

NAVORD OP 3514 (PMS/SMS) VOLUME 2

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PART 2
FIRST REVISION

DIGITAL COMPUTER MK 152 SERIES

DIAGNOSTIC PROGRAM



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CHAPTER 8

Diagnostic Program

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CHAPTER 8

DIAGNOSTIC PROGRAM

8-1. INTRODUCTION

8-2. This chapter contains instructions on the proper use of the information in the chapter, step-by-step procedures for executing the tests that comprise the diagnostic program, and fault isolation tables. An introduction and description of the program is provided in OP.3514 Volume 1, Chapter 5. Implementation of the diagnostic program as an integral part of the overall computer maintenance is described in Volume 2, Part 1, Chapter 6.

8-3. GUIDE TO PROPER USE OF CHAPTER.

8-4. The uniqueness of the program documentation makes it imperative that any potential user become thoroughly familiar with the two items listed below before attempting to load or execute the diagnostic program, or to use this chapter for malfunction isolation.

1. Sequence for performing diagnostic testing. Refer to para 8-6.
2. Use of malfunction isolation procedures. Refer to para 8-11.

8-5. After the user has become familiar with the above-mentioned items, the diagnostic program should be loaded and run (with all options) on an operational computer, starting with the preload initialization procedure (para 8-28). This will aid the user in recognizing malfunctions and in differentiating between different types of malfunctions when they occur under actual test conditions.

8-6. SEQUENCE OF DIAGNOSTIC TESTING.

8-7. The sequence in which diagnostic testing is performed is shown in figure 8-1, sheets 1 thru 5. Sheet 1 is a simplified flow chart of the diagnostic testing sequence. After preload initialization and the diagnostic load, the program is executed in the non-jumpered mode. At this time, the operator has the option of running the Skip/Stop Test, the Program Fault and Disconnect Advance P Test, or executing the program in the jumpered mode. The Special I/O Test should not be run until the program has been run in the jumpered mode for

the channels to be tested. The Dual Mode Test should not be performed until the Special I/O Test has been completed. Refer to the following paragraphs and figure 8-1, sheets 2 thru 5 for a detailed description of diagnostic testing.

8-8. The diagnostic testing sequence is initiated by performing a preload initialization procedure (para 8-28) in which various manual operations are performed to ensure that all equipment involved in the testing process is in an initialized condition before any testing is performed under program control. The initialization procedure also ensures that the computer under test can be energized properly and placed in an initialized (master clear) condition. If the preload checkout is successful (no errors), an attempt is then made to load the diagnostic program. If the preload checkout is unsuccessful, isolation is performed on the failure symptom noted during the initialization attempt. If isolation is unsuccessful, then diagnostic loading should be attempted.

8-9. In the initial load attempt, the input device is utilized to load the diagnostic program into bank 0 of memory via the normal bootstrap method of loading. (Refer to para 8-29.) If the program loads successfully, it is executed according to the procedure in para 8-30. If the bootstrap load attempt is unsuccessful, isolation is performed using the failure symptom obtained from the abortive bootstrap load attempt. If a symptom is found (a match of registers values) and if the symptom results in a suspect card list of more than 10 cards, the operator has the option of either replacing the specified cards (as directed in para 8-13) or of loading the diagnostic program via the intercomputer method if an operational computer is available. If the latter alternative is selected, the diagnostic program is first loaded into memory bank 0 of an operational Mk 152 and then transferred into memory bank 1 of the faulty Mk 152. (Refer to para 8-33.) An attempt is then made to execute the program, using the procedure in para 8-38A. If the program fails to isolate the malfunction, isolation is performed either by using the failure symptom from the abortive bootstrap attempt or another intercomputer load can be attempted this time from bank 0 of the operational computer to

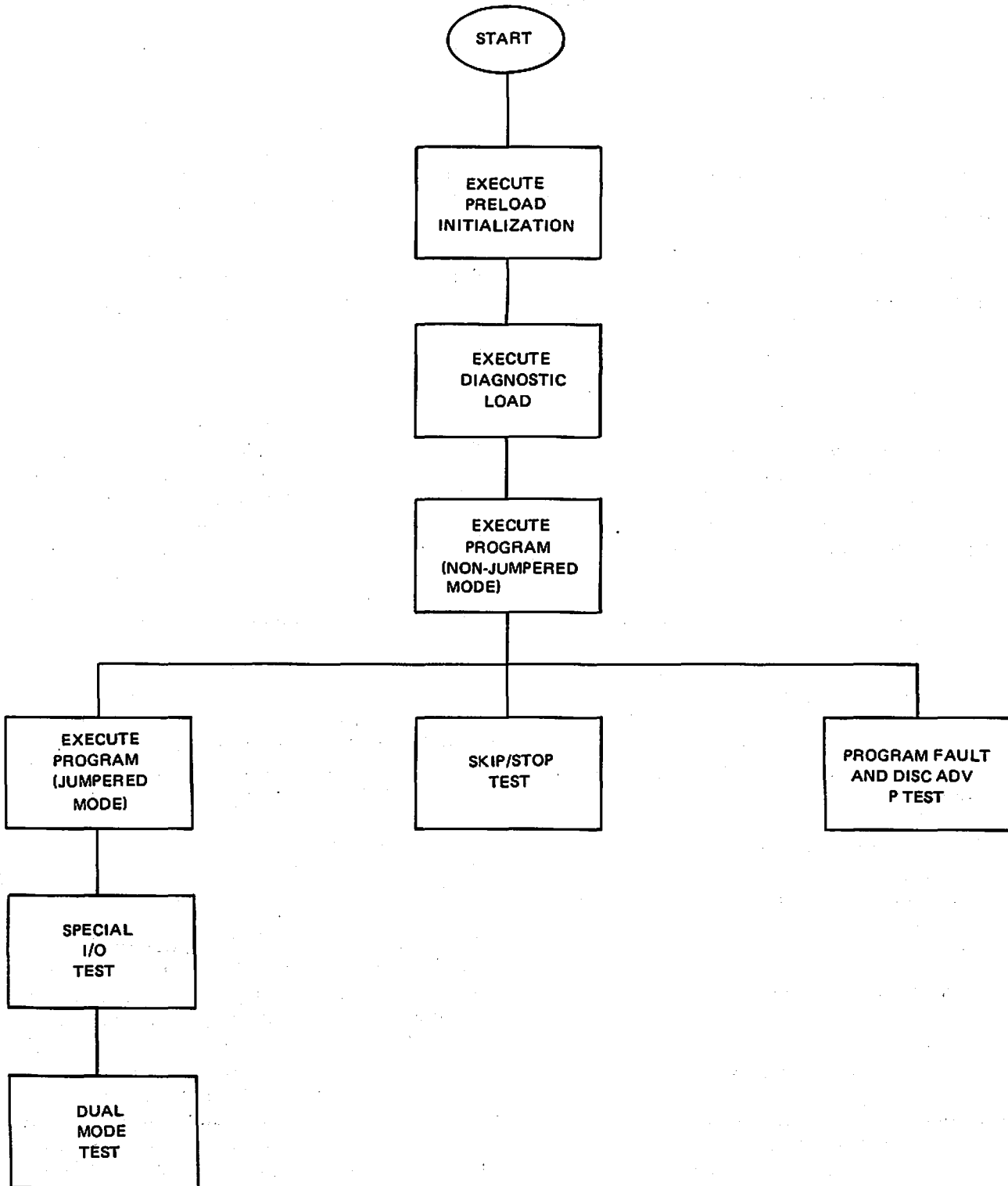


Figure 8-1. Sequence of Diagnostic Testing (Sheet 1 of 5)

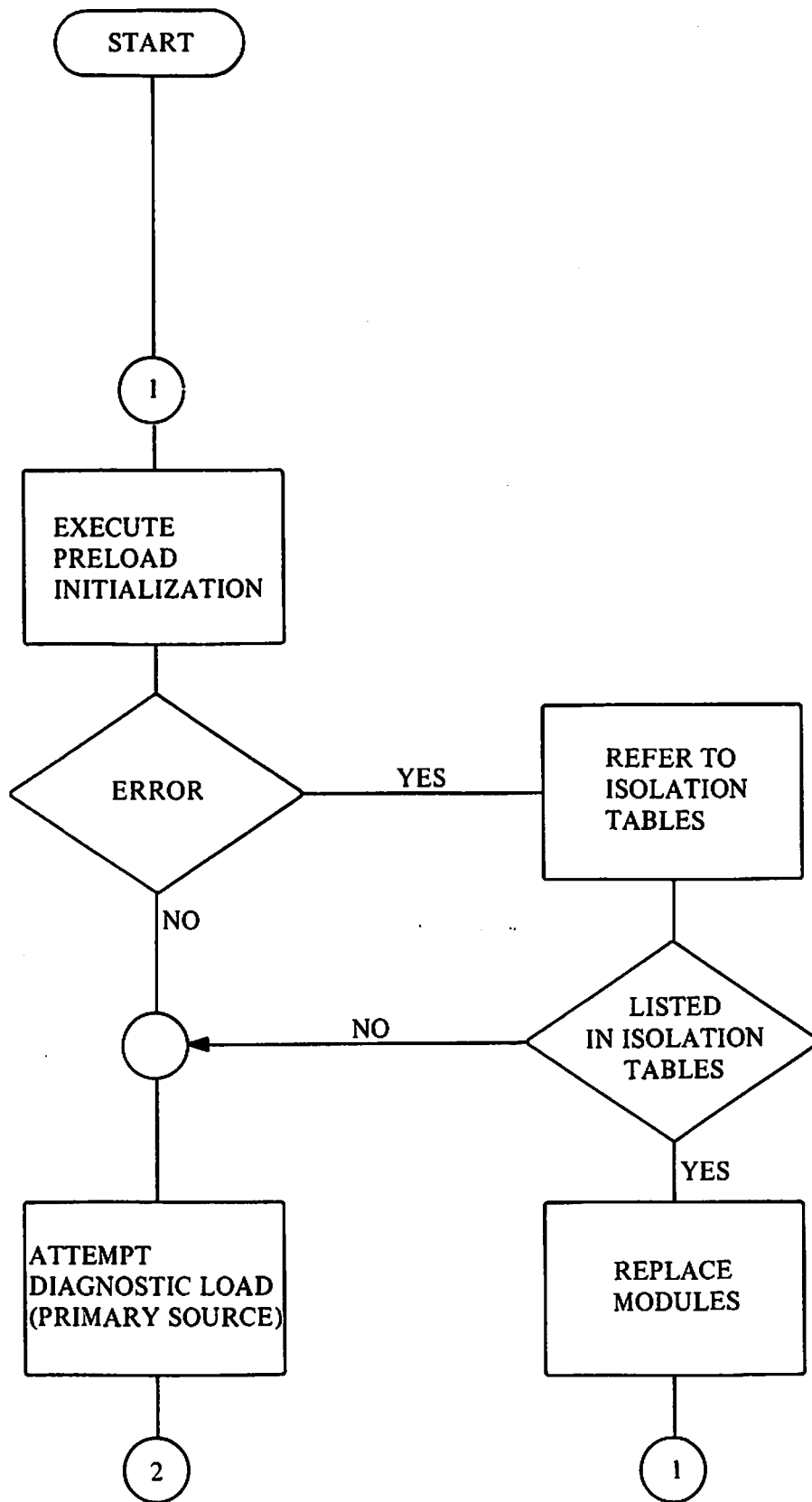


Figure 8-1. Sequence of Diagnostic Testing (Sheet 2 of 5)

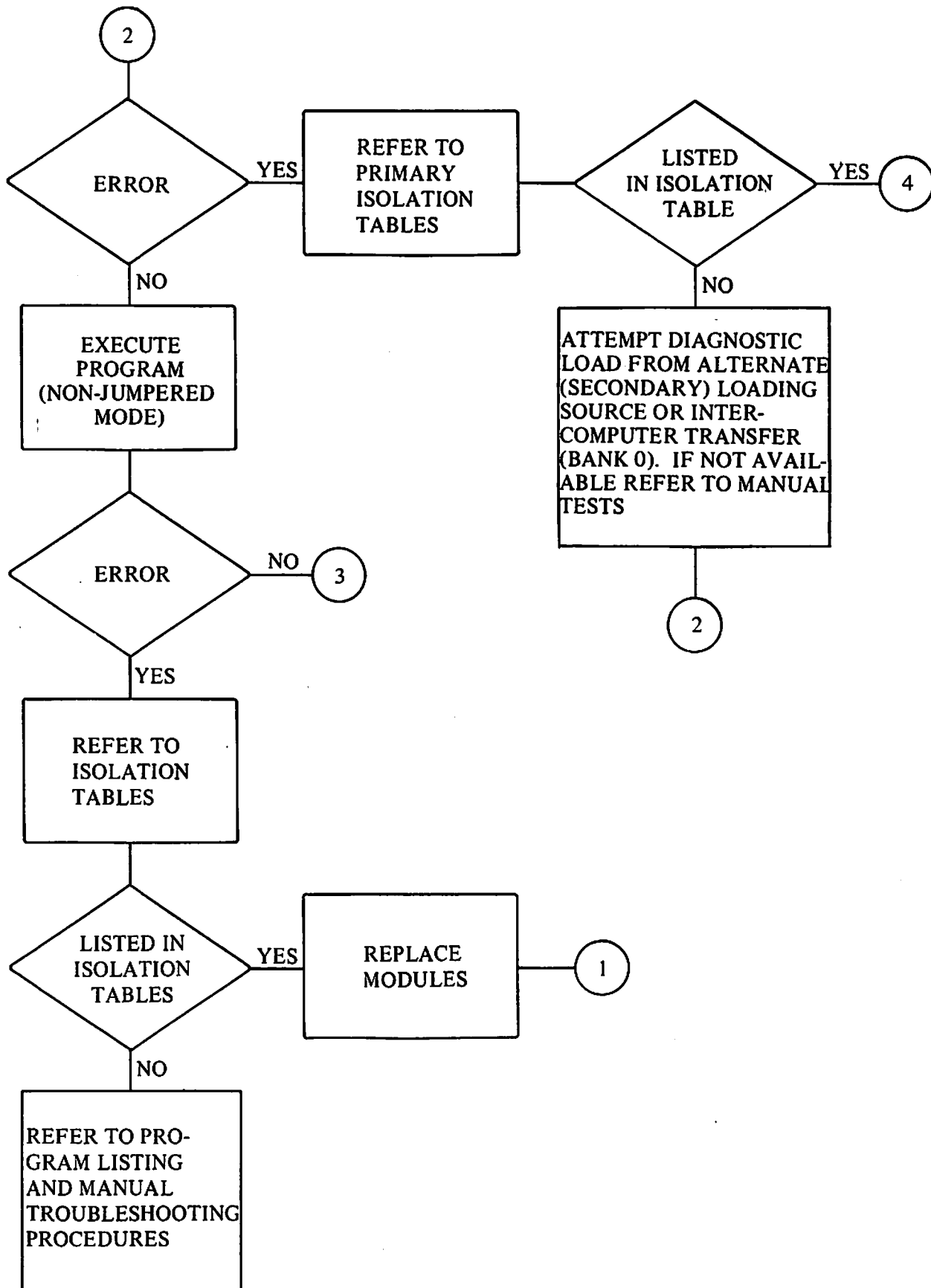


Figure 8-1. Sequence of Diagnostic Testing (Sheet 3 of 5)

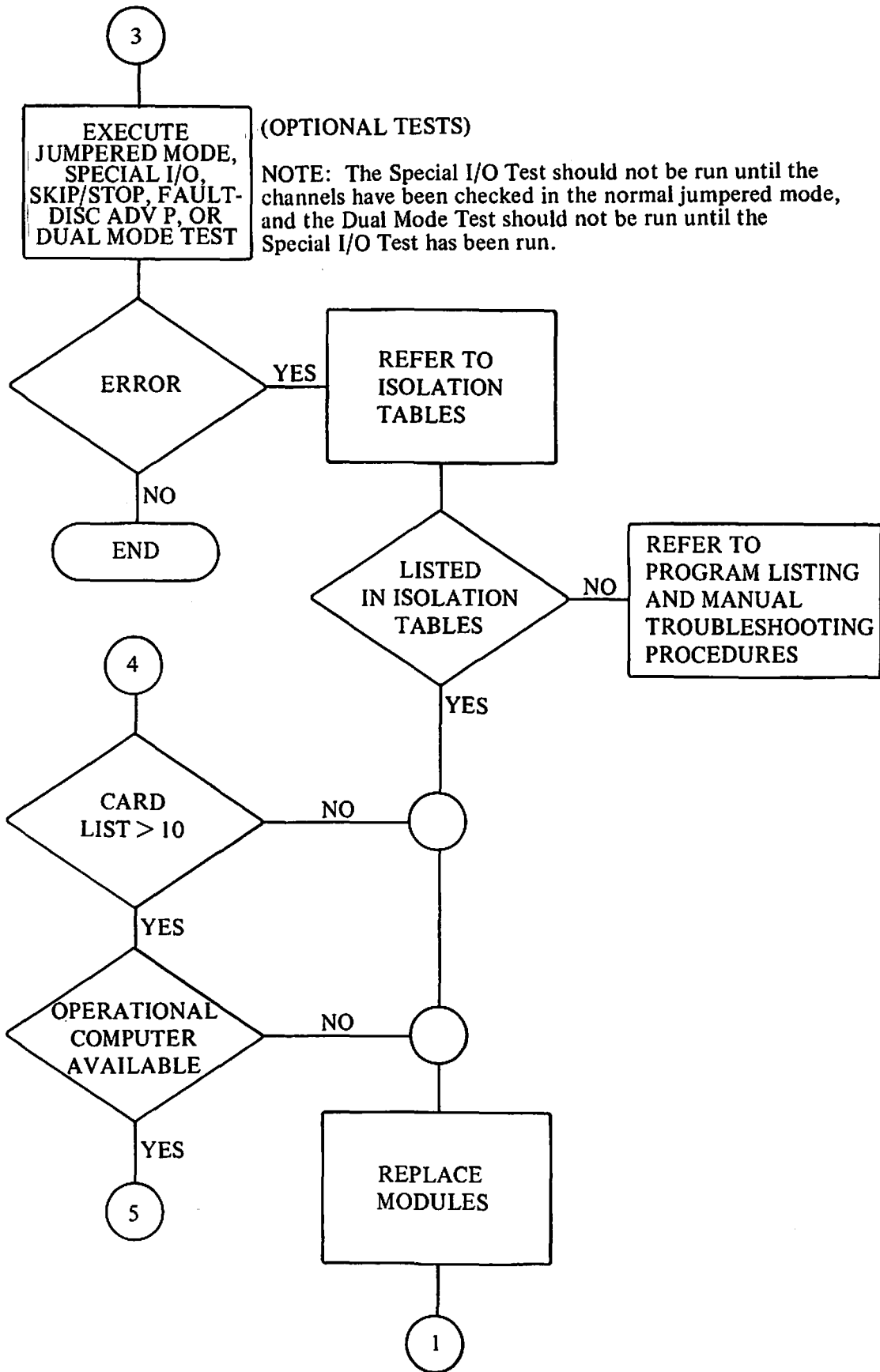


Figure 8-1. Sequence of Diagnostic Testing (Sheet 4 of 5)

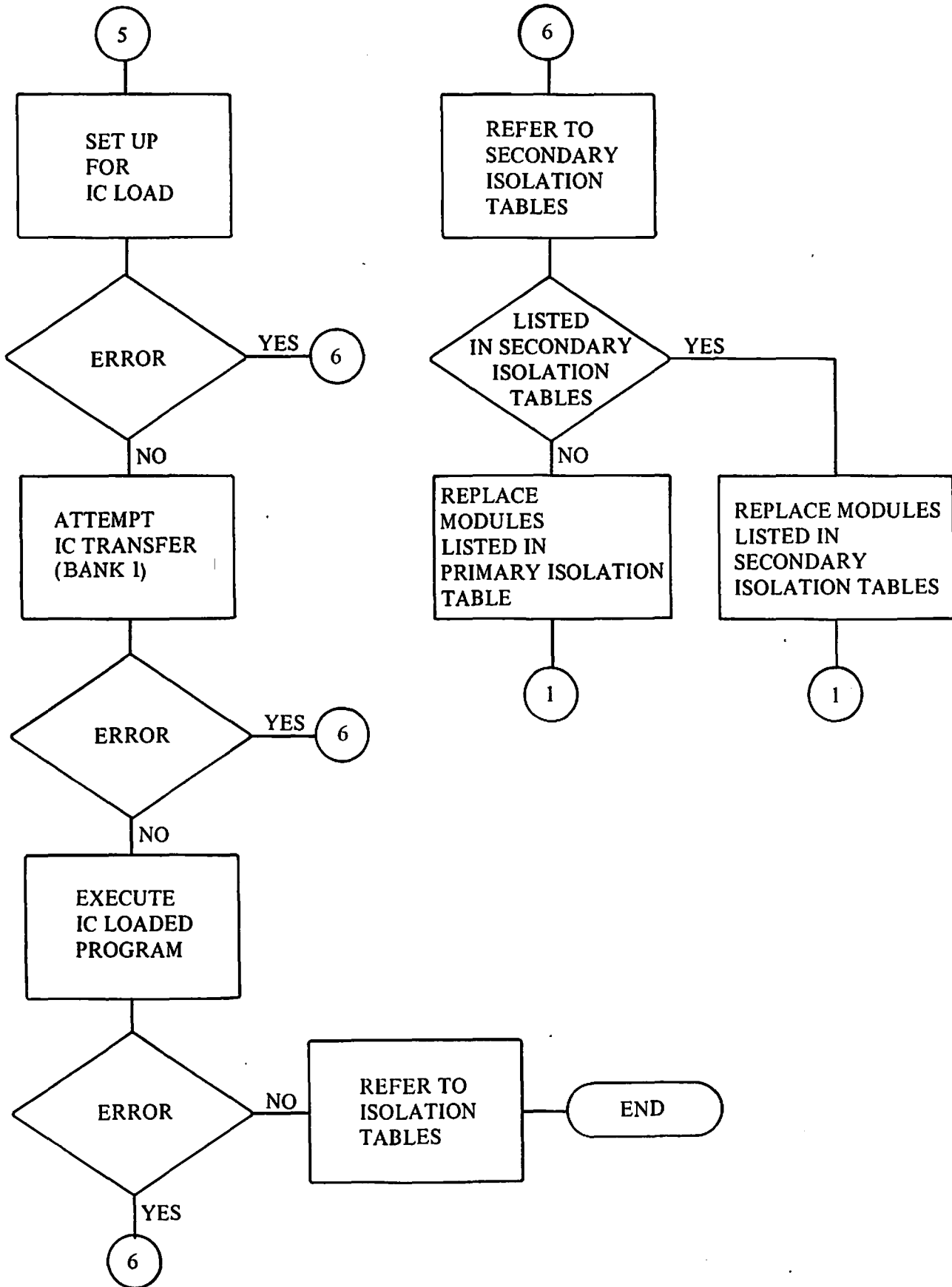


Figure 8-1. Sequence of Diagnostic Testing (Sheet 5 of 5)

bank 0 of the faulty computer using the procedures in paras 8-33 and 8-38.

8-10. Once the diagnostic program is loaded, it is executed according to the appropriate program execution procedure (para 8-30 for a bootstrap load, or paras 8-38 or 8-38A for an intercomputer load) to verify the operational status of the computer. If the program runs to successful completion, indicating no malfunctions were detected, the computer comes to a prescribed programmed stop to indicate to the operator that the program ran successfully. If the program detects a malfunction, the computer either comes to an error stop, program faults, halts or hangs up in a loop condition, with the failure symptom displayed on the maintenance panel.

8-11. MALFUNCTION ISOLATION PROCEDURES.

8-12. When a malfunction is detected, the table number of the isolation table referenced and the failure symptom associated with the malfunction should be recorded for possible future use before taking any corrective action. The isolation procedure specified for the particular failure symptom should then be referenced and the procedure performed exactly as written. If the procedure does not satisfactorily isolate a defective module, indicating a "no-find" condition, the operator should utilize the troubleshooting procedures listed in OP 3514 Volume 2, Part 1, Chapter 6.

NOTE: It is important to refer to the first page of any isolation table referenced since a special procedure may be specified at that point.

8-13. If one or more suspect modules are listed in the procedure, power should be removed from the computer before performing any corrective action. Then, the first suspect module in the "LOC" column should be exchanged with the corresponding module in the "SWAP" column or with a spare, and in the order listed since they are exchanged in descending order of failure probability. If the swap location column contains **** instead of a module location, it indicates no other module is available in the computer for exchange with the suspect module.

8-14. After exchanging modules, power should be re-applied to the computer and the testing process repeated, starting with the preload initialization procedure in para 8-28. If the same failure symptom occurs, the operator should return the modules to their original location, exchange the next suspect module in the list with the corresponding module in the "SWAP" column or from spares and then repeat the retesting process, continuing this sequence until a change in failure symptoms occurs. A change in failure symptoms, which can be a no-detect, indicates that the last suspect module that was exchanged is the defective module, or trouble is intermittent or an operator error was made. Assuming the last module exchanged was defective, the defective module should be replaced with a module from spares and the testing process repeated once more, starting with the preload initialization procedure in para 8-28. This is done to verify the operational status of the computer.

NOTE: When a malfunction is detected during program execution, the program can be restarted without having to reload the program in most cases. If a FAULT occurs, the program will probably have to be reloaded. Although reloading may not be necessary, it is good practice to repeat the entire testing process, which includes loading, to verify the computer is completely operational.

8-15. When the operator encounters a list containing more than 10 suspect modules, he should exchange the first five modules in the "LOC" column with the corresponding modules in the "SWAP" column and then retest according to the procedures in paras 8-13 and 8-14. This process should be repeated for each succeeding group of five modules until the malfunction is isolated.

NOTE: In some instances it is not possible to exchange five modules at a time because the same module in the SWAP column may be repeated several times in a table.

8-16. When the operator is directed to replace a module directly, an operational spare should be used as the replacement. After replacing the module, the testing process should be repeated, starting with the preload initialization procedure in para 8-28. This is done to verify that the new module corrected the malfunction.

8-17. INTERMITTENT ANALYSIS P REGISTER = 005246.

8-18. Normally P = 005246 is referred to as an intermittent error stop; however, some solid failures (especially in I/O) appear to the program as an intermittent failure and cause a PROGRAM STOP 5 with P = 005246. The user should first assume the failure is solid and use the isolation tables in the same manner as for any other failure. If a match cannot be found or module replacement is ineffective, assume that an intermittent failure occurred. Para 8-50 contains a procedure for isolating casualties when P = 005246. Paras 8-19 and 8-20 contain additional information on intermittent failures and OP 3514 Volume 1, Chapter 5-20 contains a more comprehensive description of intermittent failures and the intermittent routine AIMAT.

8-19. When an intermittent failure occurs, the program displays the last P value in the CO register, and displays the AU, AL, CE, and B values in their respective registers. The operator is directed to a table from the operating procedures (in paras 8-30 and 8-30A). With the data displayed, the operator is able to locate the range of symptoms in which the fault is located. Historical data relating to the intermittent failure is stored in the addresses listed below. This data may be referenced for analysis by means of the inspect and change procedure described in para 8-42.

For additional information on intermittent failures, refer to OP 3514 Volume 1, Chapter 5-20.

ADDRESS CONTENTS

005331	Last AU value
005332	Last AL value
005333	Last B value
005334	Most recent P value
005335	2nd most recent P value
005336	3rd most recent P value
005337	4th most recent P value
005340	5th most recent P value
005350	Number of attempts

005352	Number of detects
005354	Number of consecutive detects
005371	First P value
005372	First AU value
005393	First AL value
005374	First B value
005376	Number of no-detects after last detect
005401	Number of times subroutine was recycled

8-20. To extend the testing of AIMAT to further isolate an intermittent failure, the following locations may be changed.

1. Address 005362 (normally set to 5) may be set to any number to cycle the diagnostic test for as long as the operator wishes.
2. Address 005356 (normally set to 20 to allow for 20 attempts to find two consecutive detects before termination) may be set to any value to increase the number of attempts.
3. Address 005377 (normally set to 10, which is the number of no-detect passes allowed before termination) may be increased but should not exceed the maximum number of attempts specified in address 005356 (normally 20).

8-21. MALFUNCTION ISOLATION TABLES.

8-22. There are two types of malfunction isolation tables. One type is designated a "primary" isolation table, the other a "secondary" isolation table. Both types are arranged in the form of a fault catalog. The primary isolation tables are referenced from the operating procedures in paras 8-28 thru 8-30A when a malfunction is detected while performing these procedures. If the referenced primary isolation table contains a suspect module list with more than ten modules, indicating further isolation is required, reference is made from the primary isolation table to either a secondary isolation table or secondary operating procedures to obtain symptoms relating to the malfunction. In either case, the table number of the primary isolation table and symptom number from that table must be recorded for use later in the isolation process. If the secondary operating procedures (intercomputer load procedure in para 8-33) are referenced, an incorrect indication

during those procedures will refer the operator to an item number in figure 8-5. This item number and the table number of the primary isolation table that was originally referenced, determines the secondary isolation table that the operator will be required to reference. The final step in the isolation process requires the operator to locate the appropriate item number (and message, if any) in the secondary isolation table and replace and/or exchange the suspect modules listed.

8-23. A sample fault catalog is shown in figure 8-2. As shown in the sample, each table is numbered and has a title that briefly describes the area of testing and the malfunction. The row of column headings directly below the table identification line identifies the field of indicators used for isolation. The fields are arranged from left to right in the order in which they are used for isolation. In the sample, P is the most significant field and CE is the least significant field. To find a failure symptom in the sample table, the P register value in the failure symptom is first matched against the P values in the table. Then the AU, AL, and ~~lower CE registers values~~ in the failure symptom are matched (in that order) against the corresponding AU, AL, and CE values in the table. If an X appears for a single numeric character, that character is variable and is to be ignored. If an XXXXXX appears for an entire register, the XXXXXX represents any value not listed in the table for that register. In some tables the column heading SYMPTOM appears. The numbers in this column are unique symptom numbers for malfunctions that may require further isolation.

NOTE: The sample malfunction isolation table shown in figure 8-2 is a representative sample of the format only. It does not necessarily reflect the data items that constitute a specific malfunction symptom. Registers and indicators other than those shown in the sample may comprise all or part of any given malfunction symptom. Thus, the format of individual tables will change slightly to accommodate all the variations. A list of functions used for isolation that may not be readily identified by the operator are listed in figure 8-3.

8-24. Once a match is found, corrective action can be taken using the information associated with the second row of table column headings (LOC, SWAP, TYPE, PLATE, and FAULT). The information contained in these five columns is described below:

1. The LOC column identifies the modules suspected of producing the symptoms listed directly above them.
2. The SWAP column identifies the modules that can be exchanged with the suspect module to isolate the failure to a single failing module. (**** in this column indicates there is no module available for exchange.)
3. The TYPE column identifies the type number (last four digits only) of both the suspect module and the module listed in the adjacent SWAP column.
4. The PLATE column identifies the functional schematic plate number(s) that depict the suspect circuitry.
5. The FAULT column identifies the fault that was induced in the suspect module to produce the symptom. (No reverse propagating faults were induced.) Both the pin(s) and pin condition are indicated. For example, I10L in this column implies that input pin 10 of the suspect module in the L (low) state will produce the symptom listed. Similarly, O16H implies that output pin 16 of the suspect module in the H (high) state will produce the symptom listed. Each set of faults is separated by a comma; when faults are separated by an asterisk, a multiple-pin failure produced the symptom listed. This information is useful in recovering from a no-find condition where the malfunction was due to a fault in the chassis wiring associated with the listed pins.

8-25. When more than one suspect module is listed for a given symptom, the module exchange and retesting sequence described in para 8-13 should be performed. Basically, this involves exchanging the first suspect module in the list with the corresponding module in the SWAP column and

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TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000401	4J23D	376021	4J22D	444403	2050	000151	95	1	I11L, I14L, O10H, I11L*I12L, I13L* I14L*I15L O15L, I10H
	4J24C		4J21C		2070		95		
000501	7J09A	000000	7J13A	000000	2050	000000	107	2	I11L, I14L, O10H, I11L*I12L, I13L* I14L*I15L
000502	7J31D	000000	7J27D	000000	2013	000000	31	3	I9L, O10L*O11L* O12L O14L, I9H O14H, I8L*I9L* I10L I5L
	3J18D		3J16D		2070		47		
	3J18F		3J13F		2060		47		
	7J32C		7J31C		2020		31		
000512	7J31B	000000	7J25B	000002	2020	000151	31	4	I5L
000521	3J18F	000000	3J13F	000000	2060	000151	47	5	I8L
000531	3J24D	000000	3J12D	000000	2900	000151	40	6	I11L
000531	3J25A	000000	3J24A	760054	2013	000151	15	7	I9L
	7J31D		7J27D		2013		31		I8L
000540	7J30C	000146	7J25C	105050	2020	000151	31	8	I5L
000567	3J21C	000000	3J20C	511721	2060	000151	44	9	O15L, I11H, I12H
000567	3J03B	770077	3J04B	511721	2920	000151	20	10	I6L
000601	4J16F	000000	4J09F	007060	2040	000151	82	11	I11H, I12H

Figure 8-2. Sample Fault Catalog

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PULIM	Octal value of upper limit of P register when computer is in a loop
MODE	Octal representation of mode function, (e.g., if OP-STEP is set, MODE = 02)
IOFUNC	Octal representation of I/O translation function (e.g., bit 0 set and bit 1 clear is IOFUNC = 1)
IOCHAN	Octal representation of I/O translation channel (e.g., bit 1 set and others clear is IOCHAN = 02)
* CHAN 0	Octal representation of the channel 0 indicator on the I/O channel and status grid (e.g., EF ACT indicator set, CHAN 0 = X020)
SEQ	Octal representation of SEQ DES indicators (e.g., I SEQ indicator set is SEQ = 0400)
RUN	PROGRAM RUN indicator
FAULT	PROGRAM FAULT indicator
ITEM	Number listed in procedure for secondary isolation
MSG	Type of loop encountered in procedures for secondary indicator (e.g., LOOP, HALT, and FAULT are used for isolation)
ICR	Octal representation of ICR indicators
SYMPTOM	Unique symptom number – used to isolate in secondary tables

* Same for other channels, e.g., CHAN1, CHAN3, CHAN4.

Figure 8-3. Isolation Functions

then repeating the entire testing sequence, starting with the preload initialization procedure in para 8-28. If that particular suspect module was the defective one, the failure symptom that occurs during the retesting sequence will change. This indicates that the module now located in the SWAP location is defective. The operator should then replace the defective module with a module from spares and repeat the entire testing sequence to ensure that the corrective action taken eliminated the problem. If the initial module exchange did not produce a symptom change, the operator should exchange the next module in the list and continue as above.

NOTE: If the symptom appears at or near the bottom of a page, inspect the following page for a carryover to ensure that all modules associated with the symptom are included in the maintenance action.

8-26. If a message such as for FURTHER ISOLATION REFER TO PARAGRAPH 8-X appears, record the table number and symptom number, perform the procedure as directed, and then reference the table for that symptom, locating the secondary symptom from the reference number in the procedure.

8-26A. SAMPLE TROUBLESHOOTING PROBLEM. The following example shows how the diagnostic program is utilized to isolate malfunctions of the computer:

1. Example. The computer is prepared for loading the diagnostic program by performing the Preload Initialization procedures in para 8-28. The diagnostic is loaded successfully utilizing procedures in para 8-29. When the diagnostic is executed (refer to para 8-30), it is noted that incorrect indicators are observed in step 1. These incorrect indicators lead the operator to table 8-19. The operator locates the symptom with P = 002432, AU = 707070, AL = 030000 and CE = 000151. The symptom is number 793 and lists cards 6J32B, 6J33C, and 6J35C as the possible replacements. The operator swaps 6J32B with the listed swap, 6J31B, and reruns the diagnostic. The incorrect indication is not the same as the original symptom. Therefore, it is determined that the fault followed the swap and the module swapped from 6J32B to 6J31B is the faulty one.

The operator returns the modules to their original positions and replaces the module at 6J32B. The diagnostic is rerun and the indication is successful completion of the program.

8-27. OPERATING PROCEDURES.

8-28. PRELOAD INITIALIZATION. The following procedure ensures that the computer under test can be energized and initialized properly. If isolation fails during preload initialization, attempt bootstrap loading in accordance with para 8-29.

Step 1. At the Digital Computer Mk 152, position the following switches as indicated:

Power Panel (A5)

<u>SWITCH</u>	<u>POSITION</u>
DISC ALARM/RESET ALARM	NEUTRAL
BATTLE SHORT ON-OFF	OFF
INDICATE OFF-INDICATE/ SET	INDICATE/SET
POWER ON-OFF	ON

Control Panel 1 (A2)

I/O CLEAR/MASTER CLEAR	NEUTRAL
SEQ STEP/STOP	NEUTRAL
FUNCTION REPEAT	DOWN
PHASE REPEAT	DOWN
AUTO RECOVERY	DOWN
DISC ADV P	DOWN
RESTART/START STEP	NEUTRAL

Control Panel 2 (A4)

PROGRAM STOPS	DOWN
PROGRAM SKIPS	DOWN
EXT SYNC DISC	UP

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SWITCH

POSITION

RTC DISC

UP

BOOTSTRAP MODE NDRO/
MAIN MEMORY

NDRO

I/O Panels (A1) and (A8)

ALL CHANNEL INTER-
COMPUTER/CHANNEL
NORMAL

CHANNEL
NORMAL

ALL CHANNEL FUNCTION

SINGLE

BEHIND Control Panel 1(A2)

CLOCK NARROW/NORMAL
ODD/EVEN

NORMAL

Step 2. Ensure the input device being used is energized, on-line with the diagnostic program tape inserted and ready for bootstrap loading, and master cleared.

Step 3. Press STOP switch and observe that PROGRAM RUN indicator is extinguished

- a. If correct, perform step 4.
- b. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then do one of the following:
 - (1) If PROGRAM FAULT indicator is lit, press MODE-OP STEP switch and refer to table 8-2.
 - (2) If a loop condition exists, refer to table 8-1.
 - (3) If loop limits cannot be determined refer to table 8-3.

Step 4. Press MODE-OP STEP switch and observe that MODE-OP STEP indicator is lit and all other MODE indicators are extinguished.

- a. If correct, perform step 5.
- b. If incorrect, refer to table 8-4.

Step 5. Press MASTER CLEAR switch and observe that PROGRAM STOP, P, AU, and AL register indicators are extinguished.

- a. If correct, perform step 6.
- b. If incorrect, refer to table 8-5.

Step 6. Observe that none of the SEQ DES indicators are lit.

- a. If correct, perform step 7.
- b. If I and INT indicators are lit, perform step 10.
- c. If any other condition exists, refer to table 8-5.

Step 7. Observe that S1, Z1, B, and K register indicators are extinguished.

- a. If correct, perform step 8.
- b. If incorrect, refer to table 8-5.

Step 8. Observe that I/O FUNCTION, I/O CHANNEL, CO, CE and all CHAN 0 indicators are extinguished.

- a. If correct, perform step 9.
- b. If incorrect, refer to table 8-6.

Step 9. Press MODE-RUN and MASTER CLEAR switches, set FUNCTION REPEAT switch up, and set FUNCTION CODE register to 40.

- a. If correct, perform step 10.
- b. If incorrect, refer to table 8-7.

Step 10. Press START STEP switch and observe that PROGRAM RUN indicator is lit and PROGRAM FAULT indicator is extinguished.

- a. If correct, perform step 11.
- b. If incorrect, refer to table 8-7.

Step 11. Press STOP switch and observe that PROGRAM RUN and PROGRAM FAULT indicators are extinguished.

- a. If correct, perform step 12.
- b. If incorrect, refer to table 8-8.

Step 12. Set FUNCTION REPEAT switch down, press MASTER CLEAR switch, and press MODE-LOAD switch.

Step 13. Inspect the following indicators: P, PROGRAM STOPS, AU, AL, SEQ DES, S1, Z1, B, K, and MODE. The only indicators that should be lit are SEQ DES-I, MODE-LOAD, and S1 = 000500.

- a. If correct, proceed to program loading procedure in para 8-29.
- b. If incorrect, refer to table 8-9.

8-29. **BOOTSTRAP PROGRAM LOADING PROCEDURE.** To load the diagnostic program using the bootstrap loading method, perform the following steps. *Can't load w/ jumpers in stalled, Reconnect chon D.*

NOTE: If isolation fails for step 2.b, c, d, or e, attempt to load from an alternate (secondary) source or, if possible, attempt an intercomputer transfer from an operational computer into bank 0. Refer to para 8-33 for intercomputer transfer.

Step 1. Set PROGRAM STOP switches 3 and 4 up, and all other PROGRAM STOP and SKIP switches down.

Step 2. Press START STEP switch and observe that the diagnostic program loads and computer stops with PROGRAM STOP 3 indicator lit and P=000710.

- a. If correct, ensure Bootstrap Mode switch is in the NDRO position and at input loading device, master clear, deenergize, and proceed to para 8-30.
- b. If any program STOP indicator is lit and P does not equal 000710, refer to table 8-14.
- c. If PROGRAM FAULT indicator is lit, press MODE-OP switch and refer to table 8-11.
- d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists, and then do one of the following:

- (1) If a halt condition exists, refer to table 8-12.
- (2) If a loop condition exists, refer to table 8-10.
- (3) If loop limits cannot be determined, refer to table 8-13.

c. If LOAD MODE indicator is lit, perform complete Maintenance Turn-On Procedure. (Refer to NAVSEA OP 3514 (PMS/SMS) Volume 2, Part 1, table 7-1.)

8-30. **PROGRAM EXECUTION FOLLOWING BOOTSTRAP LOAD (NON-JUMPERED MODE).** To execute the diagnostic program, perform the following steps.

X NOTE: If an error is detected, the program can be restarted in most cases by setting the P Register to 005600 or 045600, setting PROGRAM STOP switches 3 and 4 up, and pressing START STEP switch. See para 8-41 for detailed procedure. *X*

Step 1. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 001300.

- a. If correct, perform step 2.
- b. If any PROGRAM STOP indicator is lit and P does not equal 001300, refer to table 8-19. If P = 005246 refer to para 8-50.
- c. If PROGRAM FAULT indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists, and then do one of the following:

- (1) If a halt condition exists, refer to table 8-16.
- (2) If a loop condition exists, refer to table 8-16A.
- (3) If loop limits cannot be determined, refer to table 8-16B.
- (4) If signature of loop cannot be found in table 8-16A, refer to table 8-16 to see if halt table contains a P Register value between the lower and upper limits.

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- d. If PRORGAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists, and then do one of the following:
- (1) If a halt condition exists, refer to table 8-17.
 - (2) If a loop condition exists, refer to table 8-15.
 - (3) If loop limits cannot be determined, refer to table 8-18.

Step 7. Some peripheral equipments connected to the computer can cause the diagnosti program to fail even when off-line or de-energized, therefore ensure that:

*Disc
I/O check
All*

- a. All peripheral equipment connected to computer on all channels is de-energized or, if necessary, the cable disconnected.
- b. Input loading device has been deenergized.
- c. External I/O cables are not faulty.

Step 2. Observe that AU = 000000 and AL = 000012 (initial memory parameters for 40K memory).

- a. If correct, perform step 3.
- b. If incorrect, refer to table 8-19.

Step 8. Set PROGRAM SKIP 3 up and PROGRAM STOP 3 down. *Clear I/O by depressing I/O clear*

NOTE: Before proceeding to step 9, ensure step 7 has been performed so that a program error detection will not be caused by a peripheral equipment or defective cables.

Step 3. If using other than 40K of memory, set AL equal to octal number of stacks as indicated in the following list.

MEMORY SIZE	SET AL TO
32K <i>✓</i>	10(MOD 0, 1, 2)
40K	12(MOD 3, 4)
48K	14(MOD 5)

Step 9. Press START STEP switch. Program should run for six passes, approximately 55 seconds, (one pass is a flash of the I/O grid) after which computer should stop with PROGRAM STOP indicator 4 lit and P = 005052.

- a. If correct, perform step 10.
- b. If P = 005246, refer to para 8-50.
- c. If any PROGRAM STOP indicator is lit and P does not equal 005052, refer to table 8-25 and if signature not found, refer to table 8-19.
- d. If PROGRAM FAULT indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then do one of the following:

Step 4. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 001306.

- a. If correct, perform step 5.
- b. If any PROGRAM STOP indicator is lit and P does not equal 001306, refer to table 8-20.

Step 5. Observe that AU = 003001 and AL = 000017.

- a. If correct, perform step 6.
- b. If incorrect, refer to table 8-20.

Step 6. Set bits 0 through 3 of AL as follows:

- a. AL = 17 for 16 I/O channel computer (Mods 0, 2, 3 and 4).
- b. *✓* AL = 07 for 8 I/O channel computers (Mods 1 and 5).

- (1) If a halt condition exists, refer to table 8-22 and, if signature not found, to table 8-16.
- (2) If a loop condition exists, refer to table 8-22A and, if signature not found, to table 8-16A.
- (3) If loop limits cannot be determined, refer to table 8-24 and if signature not found, to table 8-16B.

e. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether halt or loop condition exists, and then do one of the following:

- (1) If a halt condition exists, refer to table 8-23 first and, if signature not found, to table 8-17.
- (2) If a loop condition exists, refer to table 8-21 and, if signature not found, to table 8-15.
- (3) If loop limits cannot be determined, refer to table 8-24 and then to table 8-18.

5 and 7, 10 and 12, 11 and 13, 14 and 16, or 15 and 17.

NOTE: Although channels should be run in selected pairs, any two channels can be run; however, if a casualty occurs, the isolation tables will not be valid.

Step 10. At this time the non-jumpered automatic portion of the diagnostic has been executed without detecting a malfunction. Any of the following options may now be performed.

- a. To test I/O channels in the jumpered mode, refer to para 8-30A.
- b. To verify computer's program skip and stop circuitry, refer to para 8-31.
- c. To verify computer's program fault and disconnect advance P circuitry, refer to para 8-32.
- d. To recycle the program continuously, press the START STEP switch. Program should run continuously until one of the following PROGRAM STOP switches is set to the up position.

Step 3. Energize computer.

Step 4. Set PROGRAM STOP switches 3 and 4 up and all other PROGRAM STOP and SKIP switches down.

Step 5. Press MASTER CLEAR switch, then set P = 005600.

NOTE: If any indications in steps 6 thru 9 are incorrect, a procedural error may have been made and it may be necessary to restart the program by setting P = 045600. (Refer to para 8-41 for details.)

Step 6. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 000710.

Step 7. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 001300.

Step 8. Observe that AU = 000000 and AL = octal number of stacks as set in para 8-30 step 3.

Step 9. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 001306.

Step 10. Some peripheral equipments connected to the computer can cause the diagnostic program to fail even when off-line or deenergized; therefore, ensure:

- a. All peripheral equipment connected to computer on all channels are deenergized or, if necessary, the cables disconnected.
- b. Input loading device has been deenergized.
- c. If an even channel is jumpered, the adjacent high ODD channel cable must be disconnected.

PROGRAM STOP FUNCTION P-REGISTER=TO

0	CONTBASI	001322
1	MEDIA	022012
2	IOTA (non-jumpered)	010050

e. To recycle the program for six passes, refer to para 8-41.

30A. I/O CHANNELS JUMPERED MODE TEST.

Step 1. Denergize computer.

Step 2. Jumper input to its own output on two channels. Select channels in pairs as follows: 0 and 2, 1 and 3, 4 and 6,

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- d. External I/O cables are not faulty.
- e. Jumper cables are not loose.

NOTE: For channels 0 thru 7, some I/O PC cards which are common to the lower odd and lower even channels, such as the C Register, are only isolated when testing channels 0 and 2 and 1 and 3. Therefore, if isolation fails for channels 4 and 6 or 5 and 7, test channels 0 and 2 or 1 and 3. The most common error with no isolation is P = 014604.

refer to appropriate table for selected channels from following list. (If P = 005246, refer to para 8-50.)

CHANNEL PAIR	REFER TO TABLE 8-
0, 2	64
1, 3	25
4, 6	65
5, 7	66
10, 12	67
14, 16	68
11, 13	71
15, 17	72

Step 11. Clear AU Register then enter parameters in AU as follows:

- a. Set bit 17 if high-jumpered channel is fast interface.
- b. Set bit 8 if low-jumpered channel is fast interface.
- c. Set bits 9 thru 12 equal to higher numbered jumpered channel.
- d. Set bits 0 thru 3 equal to lower numbered jumpered channel.

c. If PROGRAM FAULT indicator is lit, press MODE-OP STEP, refer to appropriate table for selected channels from following list.

CHANNEL PAIR	REFER TO TABLE 8-
0, 2	60
1, 3	22

Step 12. Set bits 0 thru 3 of AL as follows:

- a. AL = 17 for 16 I/O channel computer (Mods 0, 2, 3 and 4).
- b. AL = 07 for 8 I/O channel computer (Mods 1 and 5).

No tables exist for other channels.

d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then refer to appropriate table for selected channel from following list.

Step 13. Set PROGRAM STOP 3 switch down.

NOTE: Before proceeding to step 14, ensure step 10 has been performed so that a program error detection will not be caused by peripheral equipment or cables.

CHANNEL PAIR	REFER TO TABLE 8-	
	HALT	LOOP
0, 2	59	59
1, 3	23	21
4, 6	60	60
5, 7	61	61
10, 12	62	62
14, 16	63	63
11, 13	69	69
15, 17	70	70

Step 14. Press START STEP switch. Program should run for six passes, approximately 55 seconds, (one pass is a flash of the I/O grid) after which computer should stop with PROGRAM STOP indicator 4 lit and P = 005052.

- a. If correct, perform step 15.
- b. If any PROGRAM STOP indicator is lit and P does not equal 005052,

Step 15. The Jumpered Test on the selected I/O channels has been completed. Any of

the following options may now be selected.

- a. To test another set of I/O channels or to recycle same channels, repeat steps 1 thru 14.
- b. To execute the Special I/O Test, refer to para 8-30B.
- c. To verify computer's program skip and stop circuitry, refer to para 8-31.
- d. To verify computer's program fault disconnect advance P circuitry, refer to para 8-32.

- (1) If a halt condition exists, refer to table 8-31.
- (2) If a loop condition exists, refer to table 8-29.

Step 6. Set CHANNEL INTERCOMPUTER switches down for the two test channels, then set RTC DISC switch up.

The Special I/O Test has been executed without detecting a malfunction. One of the following options may now be selected.

- a. To verify computer's program skip and stop circuitry, refer to para 8-31.
- b. To verify computer's program fault and disconnect advance P circuitry, refer to para 8-32.
- c. To test other channels, refer to para 8-30A.
- d. To perform the Dual Mode test, refer to para 8-30C.

8-30B. SPECIAL I/O TEST.

Step 1. Press MASTER CLEAR switch, set P = 020000, press START STEP switch and observe that computer stops with PROGRAM STOP 5 indicator lit and P = 020003.

- a. If correct, perform step 2.
- b. If incorrect, perform SKIP/STOP test, para 8-31.

Step 2. Set CHANNEL INTERCOMPUTER switches up for the two test channels that were jumpered in para 8-30A.

Step 3. Set RTC DISC switch down.

Step 4. Set PROGRAM STOP 2 switch up.

Step 5. Press START STEP switch and observe that computer stops with PROGRAM STOP 2 indicator lit and P = 021004.

- a. If correct, perform step 6.
- b. If any PROGRAM STOP indicator is lit and P does not equal 021004, refer to table 8-32.
- c. If PROGRAM FAULT indicator is lit, press MODE-OP STEP switch and refer to table 8-30.
- d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then do one of the following:

8-30C. DUAL MODE TEST.

NOTE: The DUAL MODE TEST checks two adjacent channels in the jumpered mode but uses only one jumper cable. The channels that can be checked together are 0-1, 2-3, 4-5, 6-7, 10-11, 12-13, 14-15, and 16-17. To test both channels, a 36-bit jumper cable is connected input-to-output on the odd channel only. Internal wiring will route the even channel data through the odd channel jumper cable. Before the DUAL MODE TEST is run, the normal Jumpered Mode Test and the Special I/O Test should be run on both the odd and even channels to be tested.

Step 1. Ensure a 36-bit I/O test cable is jumpered input-to-output on the odd channel only of the dual channels to be tested.

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Step 2. Ensure no peripherals are on-line to the computer and that the lower channel adjacent to the odd-jumpered channel to be tested is not connected.

Step 3. Set the CHANNEL FUNCTION switch for the I/O channels under test to the DUAL position.

Step 4. Set the CHANNEL INTERCOMPUTER switch up for the odd channel under test.

Step 5. Set RTC DISC switch up.

Step 6. Set PROGRAM STOP 4 switch up and all other PROGRAM STOPS and SKIPS down.

Step 7. Press STOP and MASTER CLEAR switches. Set P = 021250.

Step 8. Set AU Register bits 0-3 equal to the odd selected Dual Mode Test channel.

Step 9. Press START STEP switch and observe that the CO and AL registers begin incrementing and, after approximately 20 seconds, the CE and AU Registers begin incrementing. After approximately 40 seconds, the computer should stop with PROGRAM STOP 4 indicator lit and P = 021270, CO, and CE = 777777, AU and AL = 000000.

- a. If correct, perform step 10.
- b. If incorrect, refer to table 8-26.

Step 10. Press START STEP switch and observe PROGRAM STOP 4 indicator lit and P = 021274, CO, CE, AU, and AL remain the same as in step 9.

- a. If correct, perform step 11.
- b. If incorrect, refer to table 8-26.

Step 11. Set CHANNEL INTERCOMPUTER switch down and CHANNEL FUNCTION switch to SINGLE for the test channels. The Dual Mode Test has now been completed.

8-31. SKIP/STOP TEST EXECUTION PROCEDURE. To verify the program skip and stop circuitry, perform the following steps.

Step 1. Press MASTER CLEAR switch, set RTC DISC switch up, set P = 001110, and set all PROGRAM STOP and SKIP switches up.

Step 2. Press START STEP switch and observe that P = 001152 and all PROGRAM STOP indicators are lit.

- a. If correct, perform step 3.
- b. If incorrect, refer to table 8-33.

Step 3. Set all PROGRAM SKIP and STOP switches down.

Step 4. Press MODE-OP STEP switch, press MASTER CLEAR switch, and observe that all PROGRAM STOP indicators are extinguished.

- a. If correct, perform step 5.
- b. If any PROGRAM STOP indicators are lit, refer to table 8-33.

Step 5. Press MODE-RUN switch.

Step 6. Set P = 001152.

Step 7. Press START STEP switch and observe that computer stops with PROGRAM STOP indicator 5 lit and P = 001201.

- a. If correct, the program skip and stop circuitry has been verified.
- b. If any other PROGRAM STOP indicator is lit or P does not = 001201, refer to table 8-33.
- c. If the program is in a loop, halt or fault condition, replace 7J33B.

8-32. PROGRAM FAULT AND DISC ADV P TEST. To verify the program fault and disconnect advance P circuitry, perform the following steps.

Step 1. Press MASTER CLEAR switch.

Step 2. Set P = 000712.

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- Step 3. Set all PROGRAM STOP and SKIP switches down.
- Step 4. Set RTC DISC switch up.
- Step 5. Press START STEP switch and observe that PROGRAM FAULT and PROGRAM RUN indicators are lit, P = 001001, and AL = 000000.
- If correct, perform step 6.
 - If incorrect, refer to table 8-34.
- Step 6. Press MASTER CLEAR switch and observe that only PROGRAM FAULT indicator was extinguished by master clear.
- If correct, perform step 7.
 - If incorrect, refer to table 8-34.
- Step 7. Set DISC ADV P switch up and observe that PROGRAM RUN indicator is lit and P = 001000.
- If correct, perform step 8.
 - If incorrect, refer to table 8-34.
- Step 8. Momentarily press P register bit 0 and observe that PROGRAM RUN indicator is lit and P = 001001.
- If correct, perform step 9.
 - If incorrect, refer to table 8-34.
- Step 9. Set DISC ADV P switch down and observe that computer stops with PROGRAM STOP 5 indicator lit.
- If correct, the program fault and disconnect advance P circuitry has been verified.
 - If incorrect, refer to table 8-34.

attempt is unsuccessful. The program can be transferred into either bank 0 or bank 1. The main use of the intercomputer load is a transfer into bank 1 when a load failure occurs, a symptom (signature match) is found in tables 8-10 thru 8-14, and the suspect module list is greater than 10. Tables 8-10 thru 8-14 are the primary tables. When a step fails in either the initialization procedure, program transfer, or program execution, a secondary table is referenced that will attempt to provide further isolation that will reduce the suspect module list to less than 10. The program can also be transferred into bank 0 when a load failure occurs and a primary table is not found. The isolation during the intercomputer transfer does not apply for bank 0 since no primary table was found. However, if the intercomputer transfer from the operational computer into the computer under test is successful into bank 0, the normal Program Execution Following Bootstrap Load (para 8-30) can then be used for isolating the casualty. Both methods (bank 0 or bank 1 transfer) consist of (1) storing buffer control words in the computer under test (initialization procedure), (2) loading the diagnostic program into the operational computer (Program Loading), and (3) transferring data from the operational computer to the computer under test (Program Transfer). The only difference between the bank 0 and the bank 1 intercomputer load procedure is that PROGRAM SKIP 1 is set up during Program Loading for a bank 0 transfer and down for bank 1.

8-34A. PRIMARY TO SECONDARY TABLE DESCRIPTION (BANK 1). To cross-reference from a primary table to a secondary table, record the primary table that referenced this procedure and also the symptom number. When an incorrect indication is found, record the item number in the step and also the type of error (stop, loop, halt, or fault) if applicable. Refer to the appropriate secondary table from the primary table which is given in parenthesis () in the failing steps.

8-35. INITIALIZATION PROCEDURE. (Control Word Storage Computer Under Test).

NOTE: The secondary isolation tables for the Initialization Procedures were developed specifically for channel 4; however, any channel can be transferred using

8-33. INTERCOMPUTER INITIALIZATION PROGRAM LOADING AND EXECUTION PROCEDURES.

8-34. INTERCOMPUTER DESCRIPTION. The intercomputer load method attempts to transfer the diagnostic program from the operational computer into the computer under test (failing computer) when the normal bootstrap program load

the following procedure. For any incorrect indications, the reference to the secondary tables apply only when using channel 4.

- Step 1. Press MODE-OP STEP switch.
- Step 2. Master clear computer and observe that MODE-OP STEP and TIMING 11 indicators are lit.
 - a. If correct, perform step 3.
 - b. If incorrect, refer to item 103 in table 8-35 (8-10) or 8-41 (8-12).

- Step 3. Set FUNCTION REPEAT switch up.
- Step 4. Set FUNCTION CODE register to 44.
- Step 5. Set P register to value specified in following list for selected channel.

<u>CHANNEL</u>	<u>VALUE</u>	<u>CHANNEL</u>	<u>VALUE</u>
0	57	10	257
1	61	11	261
2	63	12	263
3	65	13	265
4	67	14	267
5	71	15	271
6	73	16	273
7	75	17	275

(If register cannot be set to specified value, refer to item 105 in table 8-38 (8-11) or 8-41 (8-12).

- Step 6. Press START STEP switch once and observe that P register increments by 1.
 - a. If correct, perform step 7.
 - b. If incorrect, refer to item 106 in table 8-35 (8-10), 8-38 (8-11), or 8-41 (8-12).
- Step 7. Observe that AL register = 000000.
 - a. If correct, perform step 8.
 - b. If incorrect, refer to item 107 in table 8-35.
- Step 8. Set AL register to 000304. (If register cannot be set to specified value, refer to item 107 in table 8-35.)

- Step 9. Press START STEP switch once and observe that P register increments by 1.
 - a. If correct, perform step 10.
 - b. If incorrect, refer to item 108 in table 8-35 (8-10), 8-38 (8-11), or 8-41 (8-12).

- Step 10. Manually clear AL register.
- Step 11. Set AL register to value specified in following list for selected channel.

<u>CHANNEL</u>	<u>VALUE</u>	<u>CHANNEL</u>	<u>VALUE</u>
0	55	10	255
1	57	11	257
2	61	12	261
3	63	13	263
4	65	14	265
5	67	15	267
6	71	16	271
7	73	17	273

(If registers cannot be set to specified value, refer to item 110 in table 8-35 (8-10) or 8-38 (8-11).

- Step 12. Press START STEP switch once and observe that P register increments by 1.
- Step 13. Set FUNCTION REPEAT switch down.
- Step 14. Press MASTER CLEAR switch.
- Step 15. Press MODE-RUN switch and observe that MODE-RUN indicator is lit.
- Step 16. Ensure RTC DISC switch is up and proceed to program loading procedure in para 8-36.

8-36 PROGRAM LOADING. (Operational Computer)

- Step 1. Ensure the I/O device being used is energized on-line with the diagnostic program tape ready for bootstrap loading.
- Step 2. Energize and initialize the operational computer by performing para 8-28, step 1.

- Step 3. Press MODE-LOAD switch.
- Step 4. For a bank 0 transfer, set PROGRAM STOP 3 and PROGRAM SKIP 1 switches up and all others down. For a bank 1 transfer, set only PROGRAM STOP 3 up and all other SKIP and STOP switches down.
- Step 5. Press START STEP switch and observe that program tape loads. Computer should stop with PROGRAM STOP 3 indicator lit and P = 000710.

NOTE: Incorrect results indicate a procedural error. Return to step 1.

8-37. PROGRAM TRANSFER. To transfer the diagnostic after it has been loaded, perform the following steps.

- Step 1. Connect intercomputer cables to selected channel if necessary.
- Step 2. At the operation computer, set CHANNEL INTERCOMPUTER switch up for selected channel.
- Step 3. At the operational computer, set P register to 017500.
- Step 4. At the operational computer, press START STEP switch.
- Step 5. The operational computer should stop with PROGRAM STOP 3 indicator lit, AU Register clear, AL register = 000004, and P register = 017532.
- Step 6. At the operational computer, set bits 0 thru 3 of AL to the selected channel if other than channel 4.
- Step 7. At the operational computer, press START STEP switch; P should then = 017547.
- Step 8. At the computer under test, ensure MODE-RUN indicator is lit, then press ID ACT (on the I/O grid) for selected channel (Intercomputer transfer of the diagnostic program should now occur.)

- Step 9. At the operational computer, observe PROGRAM STOP 5 indicator lit, then deenergize computer and I/O device.
- Step 10. At the computer under test, observe that PROGRAM RUN indicator is extinguished.
- Step 11. At the computer under test, observe that a master clear condition exists except that I SEQ, ID ACK, and ID ACT indicators for selected channel are now lit. (Ignore S1, Z1 function and channel registers.)
 - a. If correct, proceed to program execution procedure in para 8-38 for bank 0 or 8-38A for bank 1.
 - b. If incorrect, refer to item 233 in table 8-35 (8-10), 8-38 (8-11), or 8-41 (8-12).

8-38. PROGRAM EXECUTION BANK 0. To execute the diagnostic program after it has been successfully loaded by the intercomputer loading method into bank 0, set PROGRAM STOP switches 3 and 4 up, all others down. Set P = 000710, AU = 027400, AL = 000706, and CE = 000151 and then perform para 8-30 all steps.

8-38A. PROGRAM EXECUTION BANK 1. To execute the diagnostic program after it has been successfully loaded by the intercomputer loading method into bank 1, perform the following steps.

- Step 1. Press MASTER CLEAR switch on computer under test.
- Step 2. Set all PROGRAM SKIP switches down.
- Step 3. Set PROGRAM STOP switches 2 and 3 up.
- Step 4. Ensure all CHANNEL INTERCOMPUTER switches are down.
- Step 5. Set P register to 040706.
- Step 6. Press START STEP switch and observe that computer stops with PROGRAM STOP 3 indicator lit and P = 040710.

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- a. If correct, perform step 7.
- b. If any PROGRAM STOP indicator is lit and P does not equal 040710, refer to item 152 in table 8-37 (8-10) or 8-40 (8-11).
- c. If PROGRAM FAULT indicator is lit, press MODE-OP STEP switch and refer to item 151 (MSG = FAULT) in table 8-36 (8-10), or 8-42 (8-12).
- d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists, then do the following:
 - (1) If a halt or loop condition exists, refer to item 151 (MSG = HALT or LOOP) in table 8-36 (8-10), 8-39 (8-11), or 8-42 (8-12).

Step 7. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 041300.

- a. If correct, perform step 8.
- b. If any PROGRAM STOP indicator is lit and P does not equal 041300, refer to item 172 in table 8-37 (8-10), 8-40 (8-11), or 8-45 (8-14).
- c. If PROGRAM FAULT indicator is lit, press MODE-OP STEP switch and refer to item 171 (MSG = FAULT) in table 8-36 (8-10), 8-39 (8-11) or 8-42 (8-12).
- d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then do one of the following:
 - (1) If a halt or loop condition exists, refer to item 171 (MSG = HALT or LOOP) in table 8-36 (8-10), 8-39 (8-11), or 8-42 (8-12).

Step 8. Observe that AU = 000000 and AL = 000012.

- a. If correct, perform step 9.
- b. If incorrect, refer to item 172 in table 8-37 (8-10), 8-40 (8-11), or 8-45 (8-14).

Step 9. If using other than 40K of memory, set AL to OCTAL number of stacks as indicated in the following list.

MEMORY SIZE	SET AL TO
32K	10 (MOD 0, 1, 2)
40K	12 (MOD 3, 4)
48K	14 (MOD 5)

Step 10. Press START STEP switch and observe that PROGRAM STOP 3 indicator is lit and P = 041306.

- a. If correct, perform step 11.
- b. If any PROGRAM STOP indicator is lit and P does not equal 041306, refer to item 155 in table 8-37 (8-10) or 8-40 (8-11).

Step 11. Observe that AU = 003001 and AL = 000017.

- a. If correct, perform step 12.
- b. If incorrect, refer to item 155 in table 8-37 (8-10) or 8-40 (8-11).

Step 12. Set bits 0 thru 3 of AL as follows:

- a. AL = 17 for 16 I/O channel computer (Mods 0, 2, 3 and 4).
- b. AL = 07 for 8 I/O channel computer (Mods 1 and 5).

Step 13. Some peripheral equipments connected to the computer can cause the diagnostic program to fail even when off-line or deenergized; therefore, ensure that:

- a. All peripheral equipment connected to computer on all channels are deenergized or, if necessary, the cables are disconnected.
- b. Input loading device has been deenergized.
- c. External I/O cables are not faulty.

Step 14. Set PROGRAM SKIP 3 up and PROGRAM STOP 3 down.

NOTE: Before proceeding to step 15, ensure step 13 has been performed so that a program error detection will not be caused by a

peripheral equipment or defective cables.

Step 15. Press START STEP switch. Program should run for one pass (approximately nine seconds) after which computer should stop with PROGRAM STOP 2 indicator lit and P = 010050.

- a. If correct, refer to step 16.
- b. If any PROGRAM STOP indicator is lit and P does not equal 010050, refer to item 168 in table 8-37 (8-10), 8-40 (8-11), 8-43 (8-12), or 8-45 (8-14).
- c. If PROGRAM FAULT indicator is lit, press MODE-OP STEP switch and refer to item 167 (MSG = FAULT) in table 8-36 (8-10), 8-39 (8-11), 8-42 (8-12), or 8-44 (8-14).
- d. If PROGRAM RUN indicator is lit, refer to para 8-39 to determine whether a halt or loop condition exists and then do the following:

- (1) If a halt or loop condition exists, refer to item 167 (MSG = HALT or LOOP) in table 8-36 (8-10), 8-39 (8-11), 8-42 (8-12), or 8-44 (8-14).

Step 16. At this point, the intercomputer version of the diagnostic program has been executed without detecting a malfunction. However, the suspect modules listed under item 360 in one of the following tables should be changed before further troubleshooting is attempted. Note that item 360 has no register values: Table 8-35 (8-10), 8-38 (8-11), or 8-41 (8-12).

8-39. LOOP AND HALT DETERMINATION PROCEDURE.

8-40. To determine whether a halt or loop condition exists, perform the following steps.

- Step 1. Press MODE-OP STEP switch.
- Step 2. Record value in P register.
- Step 3. Press START STEP switch and observe P register.

- a. If P register value is the same as recorded in step 2, computer is in a halt condition. Return to point in operating instructions that referenced this procedure.
- b. If P register value is not equal to the value recorded in step 2, computer is in a loop condition. To determine loop limits, repeatedly press START STEP switch while observing P register.

- (1) If loop limits are found, record upper P register value and leave computer with the P register at the lower limit. Return to point in operating instructions that referenced this procedure.
- (2) If loop limits cannot be determined, return to point in operating instructions that referenced this procedure.

8-41. DIAGNOSTIC PROGRAM RESTARTING PROCEDURE. To execute the diagnostic program after it has come to an error or normal stop, perform the following steps:

NOTE: If computer is in a FAULT condition, the program will probably have to be reloaded.

- Step 1. Set PROGRAM STOP switches 3 and 4 up and all others down. Set MODE to RUN.
- Step 2. Press STOP and MASTER CLEAR switches.
- Step 3. Set P = 005600, press START STEP switch, and observe P = 000710.
 - a. If correct, repeat para 8-30 or 8-30A and disregard setting memory and I/O if previously set.
 - b. If incorrect, proceed to step 4.
- Step 4. Press STOP and MASTER CLEAR switches.
- Step 5. Set P = 045600, press START STEP switch, and observe P = 010015.
 - a. If correct, proceed to step 6.
 - b. If incorrect, reload program.

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Step 6. Press START STEP and observe P = 005013.

- a. If correct, proceed to step 7.
- b. If incorrect, reload program.

Step 7. Press START STEP and observe P = 000710.

- a. If correct, repeat para 8-30 or 8-30A, disregard setting memory and I/O if previously set.
- b. If incorrect, reload program.

8-42. INSPECT AND CHANGE PROCEDURE.

8-43. To utilize the Inspect and Change program, perform the following steps:

Step 1. Press MASTER CLEAR switch.

Step 2. Set P = 006000.

Step 3. Set ICR = 7.

Step 4. Press START STEP switch and observe stop with PROGRAM STOP 5 indicator lit and P = 006553.

Step 5. Set AL to value of address to be inspected or changed.

Step 6. Press START STEP switch and observe computer stops with PROGRAM STOP 5 indicator lit and P = 006553.

Step 7. Observe contents of address selected in step 5 in AU.

Step 8. Set AU to the value desired if contents are to be changed and return to step 4. Otherwise proceed to step 9.

Step 9. Perform one of the following:

- a. If no more changes are to be made, proceed to step 10.
- b. If another address is to be inspected, return to step 5.

Step 10. Press MASTER CLEAR switch.

8-43A. ZPAC OPERATING OPERATIONS. The initial setup for performing each function is as follows:

Step 1. Master clear computer.

Step 2. Set P to 006000.

Step 3. Set ICR to ZPAC Function Code as indicated in para 8-43B.

Step 4. Make necessary entries in A_U, A_L, and SR for chosen function as indicated in para 8-43B.

Step 5. Press START STEP switch.

Step 6. Observe that function is performed and that program comes to a PROGRAM STOP 5 with P = 006003, and A_U and A_L clear.

- a. If correct, a successful operation is indicated.
- b. If incorrect, refer to the Error Code in the following paragraphs.

8-43B. ZPAC FUNCTION CODES AND SPECIAL ENTRIES.

- a. Paper Tape Load
ICR = 0
- b. Paper Tape Dump
ICR = 1
A_U = EA
A_L = BA
- c. Magnetic Tape Load, Cabinet 1 only
ICR = 2
A_L 17 - 15 = Tape Transport Number (TT)
SR = Block Number of desired block - 1
Number of blocks to skip.

NOTE: This function will not load ZPAC.

- d. Magnetic Tape Dump, Cabinet 1 only
Set WRITE ENABLE on Digital Data Recorder Mk 19.
ICR = 3
A_L 17 - 15 = TT, A_L = BA

- $A_U = EA$, $A_U 17 = 1$ to Write Tape Mark
 $SR =$ Block No. - 1
- e. Buffer Control Word Compatibility Changer
 $ICR = 4$
 Allows operating in Standard 1218 Mode (NTDS format)
- f. Channel Changer
 $ICR = 5$
 $SR =$ CHAN. NO.
 $A_U 17 = 1$ if MT, = 0 if PT
- g. Format Select
 $ICR = 6$
 A_L bits 6 - 10 to required format (See figure 8-4.)
- h. Inspect and Change
 $ICR = 7$
 $A_L =$ Address
 $A_U =$ Contents

8-43C. ERROR CODE AND STATUS WORD FORMAT. Refer to the following list and figure 8-5 for error code and status word format information.

<u>A_L</u>	<u>A_U</u>	<u>ERROR TYPE</u>
111111	STATUS WD	MT Read
222222	STATUS WD	MT impr. cond.
444444	STATUS WD	MT Write
555555	000000	MT reading ZPAC
666666	CS Difference	PT Checksum
777777	STATUS WD	Read Tape Mark

(See figure 8-5.)

8-44. PREDETERMINED PROGRAM RUN, RECYCLE CONTBASI, MEDIA, AND IOTA.

8-45. To run the diagnostic program for a pre-determined time, or to recycle CONTBASI, MEDIA, or IOTA, perform steps in the following paragraphs.

8-46. PREDETERMINED RUN.

- Step 1. Perform Preload Initialization and Bootstrap Loading Procedure.
- Step 2. Set memory address 005362 to one less than OCTAL number of passes desired.

- Step 3. Ensure memory address 005350 equals 000000.
- Step 4. Set P Register = 000710, $A_U = 027400$, $AL = 000706$, and $CE = 000151$.
- Step 5. Perform Program Execution following bootstrap load.
- Step 6. Program should cycle for the number of passes set in step 2 and the program should stop with PROGRAM STOP 4 indicator lit and P Register = to 0005052.

8-47. RECYCLE CONTBASI.

- Step 1. Perform Preload Initialization and Bootstrap Loading Procedure.
- Step 2. Position PROGRAM SKIP 4 switch up, and PROGRAM STOP 3 switch down.
- Step 3. Press START STEP switch.
- Step 4. CONTBASI should recycle until PROGRAM STOP 0 switch is set to the up position, at which time the program should stop with P Register = to 001322.

8-48. RECYCLE MEDIA.

- Step 1. Perform Preload Initialization and Bootstrap Loading Procedure.
- Step 2. Perform Program Execution following bootstrap load steps 1, 2, and 3.
- Step 3. Position PROGRAM SKIP 0 switch up, and PROGRAM STOP 3 switch down.
- Step 4. Press START STEP switch.
- Step 5. MEDIA should recycle until PROGRAM STOP 1 switch is set to the up position, at which time the program should stop with P Register = to 022012.

8-49. RECYCLE IOTA (NON-JUMPERED MODE).

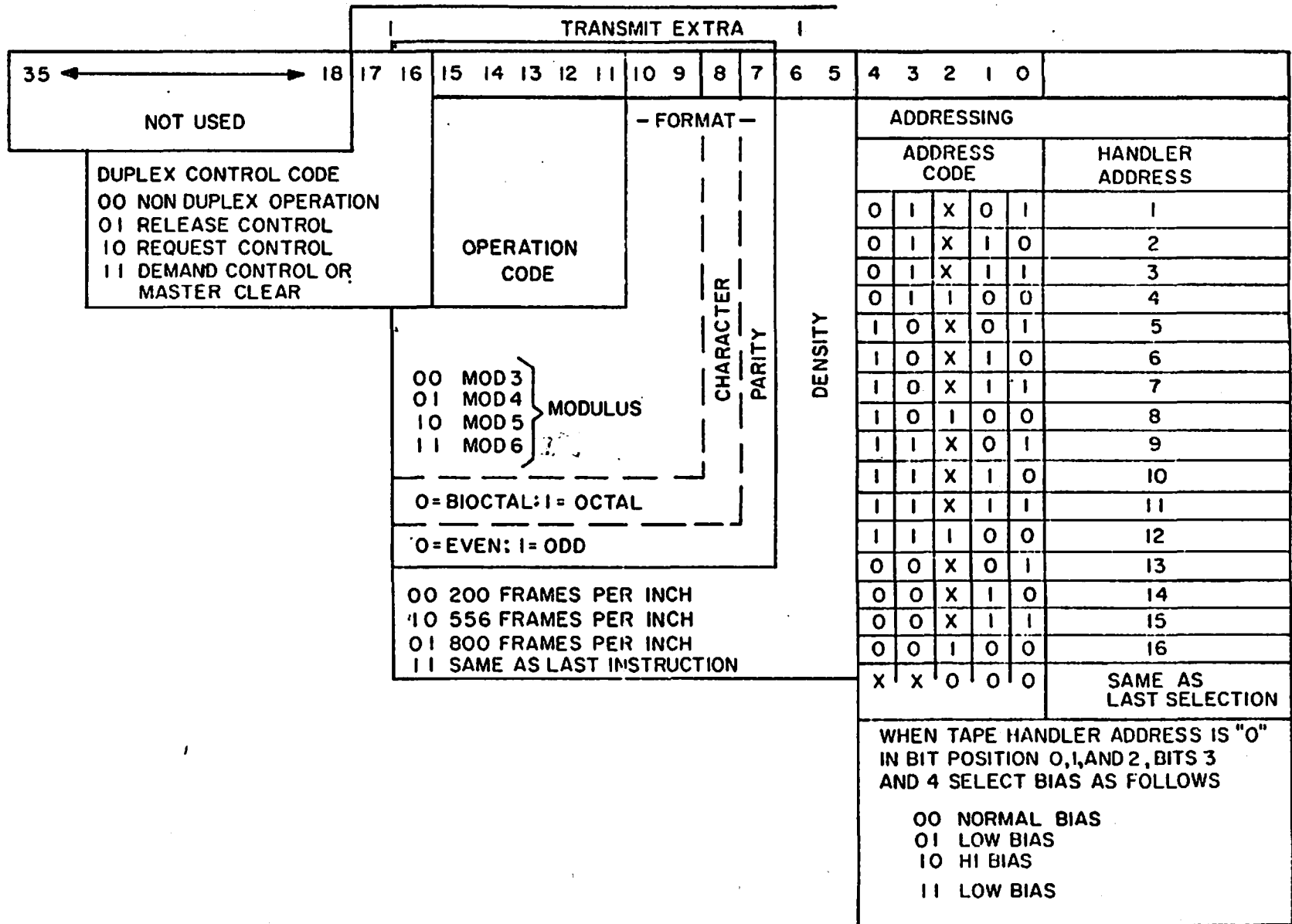


Figure 8-4. External Function Word Format

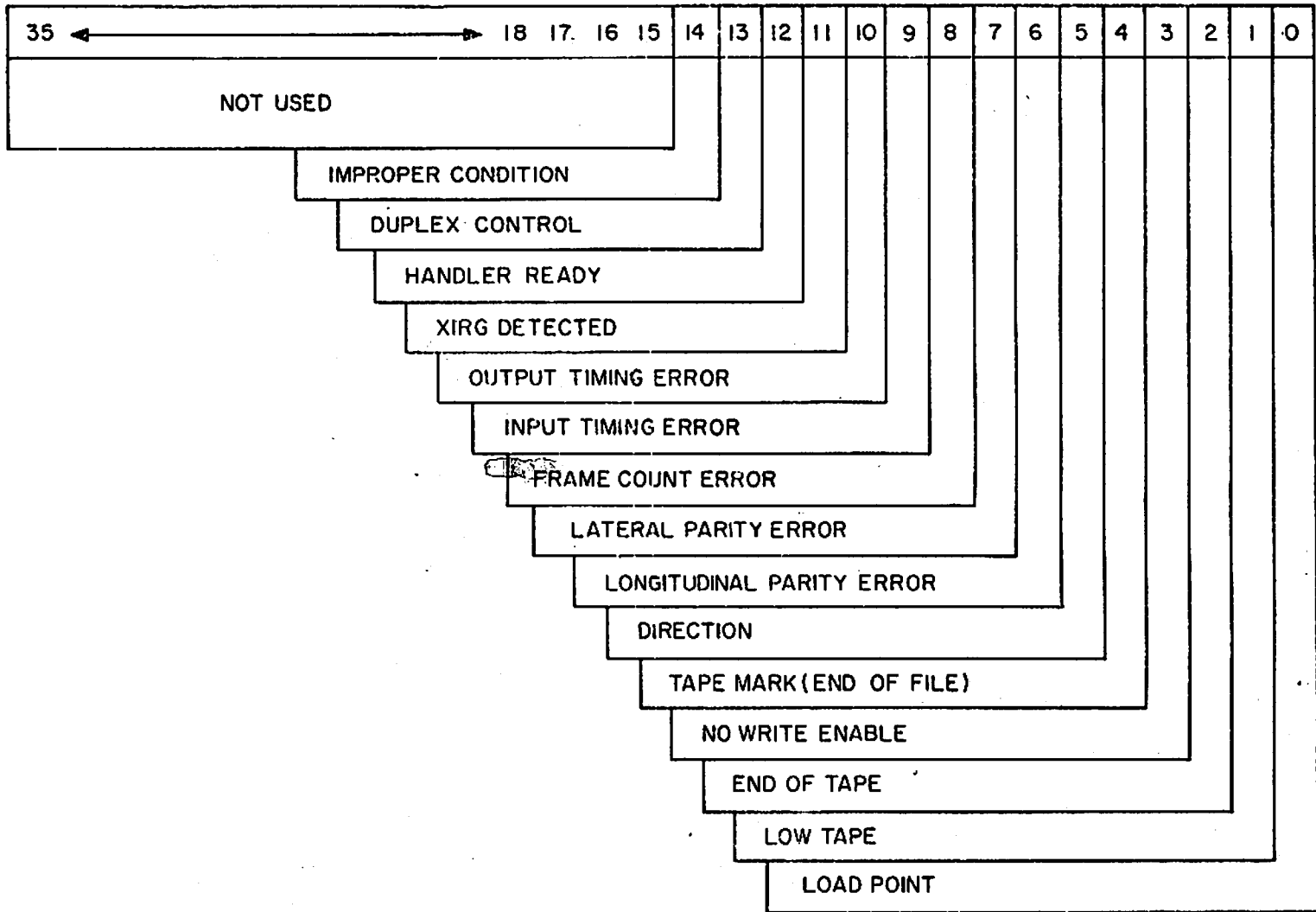


Figure 8-5. Status Word Format

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- Step 1. Perform Preload Initialization and Bootstrap Loading Procedure.
- Step 2. Perform Program Execution following bootstrap load steps 1 thru 8.
- Step 3. Set PROGRAM SKIP 2 switch up.
- Step 4. Press START STEP switch.
- Step 5. IOTA should recycle until PROGRAM STOP 2 switch is set to the up position, at which time the program should stop with P Register = to 010050 (Non-Jumpered Mode).
- Step 6. To recycle IOTA in the Jumpered Mode, perform para 8-30A steps 1 thru 13.
- Step 7. Set PROGRAM SKIP 2 up.
- Step 8. Press START STEP switch.
- Step 9. IOTA should recycle until PROGRAM STOP 2 switch is set to the up position, at which time the program should stop with P Register = to 010064 (Jumpered Mode).

- b. If no match is found or failure still exists after all modules are swapped, use the recorded CO value as the P value and proceed to step 4.

Step 4. Refer to tables 8-19 and 8-25 and attempt to match the new P (formerly CO), AU, AL, and CE.

- a. If a match is found, swap modules and retest.
- b. If no match is found or failure still exists after modules are swapped, refer to paras 8-19 and 8-20 and analyze failure, using the data listed in the addresses in para 8-19.

8-50. INTERMITTENT ISOLATION PROCEDURE P = 005246.

NOTE: Some solid failures, especially in I/O, cause an error stop with P = 005246. Although the error is solid, the program interprets the error as intermittent. The following procedure first assumes the failure is solid and then intermittent.

- Step 1. Record P, AU, AL, CE, and CO Registers values.
- Step 2. Refer to table 8-25 under the P value 005246.
- Step 3. Attempt to match the recorded values of AU, AL, and CO with corresponding values in table 8-25. Disregard CE at this time.

- a. If a match is found, swap modules and retest.

8-51. KEY EVENT LIST.

8-52. The following procedure contains a list of key events that are performed or observed by the operator when executing the diagnostic test. This list omits many necessary steps that must be performed and only contains the key events. Although this list can be used by personnel who are thoroughly familiar with the diagnostic program, it is not intended to minimize or be a substitute for the normal diagnostic operating procedures.

- KEY EVENT 1. PROGRAM STOP switches 3 and 4 up.
- KEY EVENT 2. Load diagnostic program into computer.
- KEY EVENT 3. PROGRAM STOP 3 indicator lit and P=000710 indicates good load.
- KEY EVENT 4. START STEP P = 001300.
- KEY EVENT 5. Set Memory size in AL.
- KEY EVENT 6. START STEP P = 001306.
- KEY EVENT 7. Set high I/O channel in AL and, if applicable, type interface and jumpered channels in AU.
- KEY EVENT 8. PROGRAM SKIP 3 switch up for NON-JUMPERED MODE.
- KEY EVENT 9. PROGRAM STOP switch 3 down.
- KEY EVENT 10. START STEP - After six passes PROGRAM STOP 4 indicator lit P = 005052.

8-53. PROGRAM STOP AND SKIP SWITCH FUNCTIONS.

8-54. Figure 8-6 is a quick reference to all PROGRAM STOP and PROGRAM SKIP switches used by the diagnostic program. The function is given for each switch and the P Register value is listed for the PROGRAM STOP switches. Some switches are used for several functions.

8-55. PROGRAM LISTING AND CROSS-REFERENCE INDEX.

8-56. Tables 8-73 and 8-74 provide the program listing and a cross-reference index for the diagnostic program. The tables are designed for use in locating troubles that are not isolated by the fault directory. The program listing includes labels, statements, and remarks to aid in trouble isolation. The cross-reference index refers to the address of each label along with all other addresses at which that label is either set or used. Each referenced address is followed by the letter U (used) to indicate the label is used at that address, or the letter S (set) to indicate that the contents of the label is changed at that address.

8-57. EXAMPLE USING PROGRAM LISTING LABELS, STATEMENTS, AND REMARKS. Refer

to table 8-73. Assume the diagnostic program comes to a PROGRAM STOP 5 error with P = 014771. The actual stop is at 014770 since P is advanced by one. Note that the remarks under STATEMENT refers to ODA, IDA, and acknowledge. This gives a hint that the casualty is in the output or input acknowledge circuitry. The bits set in AL also contain helpful information on the acknowledges being too short or too long. The LABEL for the routine being checked is ATIME at address 14730. OP 3514 Volume 1, Chapter 5 defines ATIME as the Acknowledge Timing Test and gives a description of the routine. OP 3514 Volume 2 Part 1, paras 7-40 and 7-44A, provides further information on using the program listing.

8-58. EXAMPLE USING CROSS-REFERENCE INDEX. Refer to table 8-74. Using the LABEL RSMFAA, the address is 20366 and references addresses 020022 and 020023. Address 020022 is followed by a U to indicate the label RSMFAA is used at that address; however, address 020023 is followed by a S which indicates the contents of RSMFAA are changes at this address. In this example, AL is stored at RSMFAA (20366) which changes the contents.

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PROGRAM STOP	FUNCTION	P REGISTER
0	CONTBASI STOP	001322
1	MEDIA STOP	022012
2	IOTA STOP (NON-JUMPERED)	010050
2	IOTA STOP (JUMPERED)	010064
2	SPECIAL I/O TEST STOP	021004
2	PROGRAM EXECUTION STOP (BANK 1 INTERCOMPUTER)	010050
3	PROGRAM LOAD STOP	000710
3	START OF PROGRAM EXECUTION (BANK 1 INTERCOMPUTER)	040710
3	PARAMETER STOPS	
	MEMORY SIZE (NORMAL PROGRAM)	001300
	I/O CHANNELS (NORMAL PROGRAM)	001306
	MEMORY SIZE (BANK 1 INTERCOMPUTER)	041300
	I/O CHANNELS (BANK 1 INTERCOMPUTER)	041306
3	BANK 1 INTERCOMPUTER OPERATIONAL COMPUTER STOPS	017532
		017547
4	PROGRAM EXECUTION STOP	005052
4	DUAL MODE TEST STOPS	021270
		021274

PROGRAM SKIP	FUNCTION
0	RECYCLE MEDIA
1	BANK 0 INTERCOMPUTER TRANSFER
2	RECYCLE IOTA
3	NON-JUMPERED IOTA
4	RECYCLE CONTBASI

Figure 8-6. Program Stop and Skip Switch Functions

NOTE: Pages 8-33 thru 8-100 are not used.

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TABLE 8-1. PRELOAD INITIALIZATION, LOOP CONDITION

P	LOC	PULIM	SWAP	TYPE	PLATE	FAULT
000777		001000				
	3J306		3J236	2070	03	012L,I6H
	8J04C		8J05C	3490	121	I9L

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TABLE 8-2. PRELOAD INITIALIZATION, FAULT CONDITION

P	LOC	SWAP	TYPE	PLATE	FAULT
000001	3J34 F	3J33 F	2060	04	015H, I11L*I12L
	3J31 E	3J09 E	2020	03	I9L, I8L*I9L* I10L
	3J31 D	3J02 D	2050	29,03	010L, I13H
	3J33 C	3J16 C	2050	03	010H, I11L*I12L
	3J32 C	3J24 C	2070	03,14	011L
000002	3J31 D	3J02 D	2050	29,03	I14H, I15H
	3J33 C	3J16 C	2050	03	I13L*I14L*I15L
000004	3J31 E	3J09 E	2020	03	011L*012H
000005	3J31 E	3J09 E	2020	03	012H
001000	3J32 C	3J24 C	2070	03,14	I5H
	3J31 E	3J09 E	2020	03	I5L*I6L*I7L
002415	3J31 B	3J24 B	2060	03,13,03	I6L
	3J33 C	3J16 C	2050	03	I14L

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TABLE 8-3. PRELOAD INITIALIZATION, NO LOOP LIMIT CONDITION
REFER TO FOLLOWING CARD LIST.

LOC	SWAP	TYPE	PLATE	FAULT
3J31B	3J24B	2060	03,13,03	I12L,015H,I11L* I12L

TABLE 8-4. PRELOAD INITIALIZATION, IMPROPER MODE SET

MODE	LOC	SWAP	TYPE	PLATE	FAULT
00	8J27D	8J24D	3670	124	I15L, I12L
01	3J33B	3J32B	2920	03	I8L*I9L*I10L, I5L*I6L*I7L, I11L*I12L*I13L, 015H, I5L
	3J32F	3J21F	2060	03,04	I6H
04	3J32F	3J21F	2060	03,04	I5H, 013L, I10L, I8L*I9L*I10L, 014H, I7H
10	3J32B	3J04B	2920	03	I13L, I8L*I9L* I10L, I5L*I6L* I7L, I11L*I12L* I13L, C15H

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	AU	AL	S1	Z1	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
000000	000000	000000	000000	000000	1
FOR FURTHER ISOLATION REFER TO TABLE 8-46.					
7J34D	*****	2100	31		I10L,I5L
7J33D	*****	2100	31		I10L,I5L
7J32D	*****	2100	31		I10L,I5L
3J15C	3J326	2930	08,09		I9L,I12L,I5H, I7H,I10L*I12L, 08H*06L,013L* 015H,I9L*I10L, 08H,015H
3J14B	3J326	2930	10,11		I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H.
3J15B	3J326	2930	08,09		I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H
3J15D	3J326	2930	08,09		I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H
3J15E	3J326	2930	08,09		I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H
8J08A	7J286	2900	118		I7L,I9L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
8J08B	7J286	2900	118		I7L,I9L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
8J08C	7J286	2900	119		I7L,I9L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
8J08E	9J06A	2900	119		I7L,I9L,I12L, 06L*08H,013L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
									015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I11L, 012L, 014L, I5H, I9H, 013H, 015H I5H, I7H, I10L* I12L, 08H* 06L, 013L* 015H, I9L* I10L, 08H, 015H I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I9L, I12L, 06L* 08H, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 08H, 015H I7L, I9L, I11L, 013L* 014H, I5L* I6L, I7L* I8L, I9L*
	8J08F		9J06A		2900		120		
	8J08G		9J06A		2900		120		
	8J09A		7J28G		2900		118		
	8J09C		7J28G		2900		119		
	8J09F		9J06A		2900		120		
	3J34C		8J28A		3640		04		
	3J14C		3J32G		2930		10, 11		
	0J08B		0J08A		2900		66		
	2J08B		2J08A		2900		66		
	7J20A		7J11A		2000		37		

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	7J21C		7J06E		2000		37		I10L,I11L*I12L, 014H I7L,I9L,I11L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
	3J32E 3J24D		3J33E 3J12D		2013 2900		04,05 40		I5H,I6H,I7H,I8H I5L,I12L,06L* 08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
	3J24E		3J12E		2900		40		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J24F		3J30E		2900		40		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J24G		3J30B		2900		40		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J28B		3J30B		2900		12		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J28D		3J30D		2900		12		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J28E		3J30E		2900		12		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	3J28F		3J30E		2900		12		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	4J02C		4J28C		2900		39		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H
	4J02F		4J28F		2900		39		06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	4J02G		4J28G		2900		39		06L*08H,013L* 015H,17L*15L* 114L,110L*112L* 19L,08H,015H
	7J20C		7J14C		2000		37		19L,111L,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H
	3J14D		3J32G		2930		10,11		112L,15H,110L* 112L,08H*06L, 08H
	3J14E		3J32G		2930		10,11		112L,15H,110L* 112L,08H*06L, 08H
	3J33D		3J11D		2020		04		113L,114L,18H, 19H,110H,011H* 012L,113L*114L* 115L,011H
	3J34D		3J09E		2020		04		114L,18H,19H, 110H,114H,113L* 114L*115L,15L* 16L*17L,012H
	7J02E		7J28C		2160		50		015L,16H,17H, 18H,19H,110H, 111H,112H,113H
	3J27E		3J26E		2060		12,14		111L,014L,18H, 19H,110H,015H, 111L*112L
	8J17A		8J15A		2000		115		17L,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
	3J13E		3J22E		2013		05,29		15H,16H,013H* 014H*015H
	8J17B		8J15B		2000		115		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
	8J17C		8J15C		2000		116		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
	8J17E		8J16E		2000		116		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
	8J17F		8J15F		2000		117		013L*014H,15L*

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
									I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J17G		8J15F		2000		117		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18A		8J15A		2000		115		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18B		8J15B		2000		115		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18C		8J15C		2000		116		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18E		8J16E		2000		116		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18F		8J15F		2000		117		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J18G		8J15F		2000		117		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19A		8J24A		2000		115		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19B		8J15C		2000		115		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19C		8J15E		2000		116		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19E		8J15F		2000		116		013L*014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19F		8J15F		2000		117		013L*014H, I5L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
									I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	8J19G		8J15F		2000		117		013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	3J30G		3J23G		2070		03		I5L, 014L, I9H, 011H
	3J35F		3J27F		2070		04		I6L, I9L, 012H, 014H
	7J28B		7J22B		2070		07, 30, 53		I7L, I9L, 013H, 014H
	3J28C		3J30C		2900		12		I7L, I11L, 06L* 08H, 08H
	4J02B		4J04B		2900		39		06L* 08H, I7L* I5L* I14L, I10L* I12L* I9L, 08H
	4J02E		4J28E		2900		39		06L* 08H, I7L* I5L* I14L, I10L* I12L* I9L, 08H
	3J34F		3J33F		2060		04		014L, I5H, I8H, I9H, I10H
	0J11B		0J10B		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	0J12A		0J04A		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	0J12B		0J10B		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	2J11B		2J10B		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	2J12A		2J04A		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	2J12B		2J10B		2030		66		010L, I5H, I6H, I7H, I8H, I9H
	7J20B		7J24B		2020		37		I9L, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
	7J21A		7J03A		2020		37		I9L, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
	7J21B		7J24B		2020		37		I9L, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
	3J35A		8J25A		2120		04		I8L, 013L, I15L, I8H, 013H
	8J05D		8J05E		2930		121		013L* 015H, I9L* I10L, 015H

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	3J10D		3J20D		2013		07		15L,013L*014L* 015L
	3J26A		3J25A		2013		14		15L,013L*014L* 015L
	3J27D		3J25D		2013		12		17L,010L*011L* 012L
	3J29D		3J25D		2013		12,13		15L,013L*014L* 015L
	3J32D		3J22E		2013		05		15H,18H
	3J35E		3J34E		2013		04		19H,010H*011H* 012H
	7J20D		7J19D		2013		37		15L,013L*014L* 015L
	7J21D		7J24D		2013		37		16L,013L*014L* 015L
	8J08D		8J07D		2013		21		16L,013L*014L* 015L
	0J09B		0J05D		2900		66		112L,06L*08H, 08H
	2J09B		2J05D		2900		66		112L,06L*08H, 08H
	0J07B		0J06B		2060		66		013L,15H,16H, 17H
	0J09A		0J07A		2060		65A,66,69A		014L,18H,19H, 110H
	2J07B		2J06B		2060		66		013L,15H,16H, 17H
	2J09A		2J07A		2060		65A,66,69A		014L,18H,19H, 110H
	3J27C		3J26C		2060		14		013L,15H,16H, 17H
	3J29A		3J09B		2020		13		113L,011H*012L, 113L*114L*115L, 011H
	7J26F		7J24F		2020		54		113L,011H*012L, 113L*114L*115L, 011H
	7J29D		7J05E		2020		34		115L,011H*012L, 113L*114L*115L, 011H
	7J30C		7J25C		2020		31		011L*012H,15L* 16L*17L,18L*19L* 110L,012H
	7J31A		7J25A		2020		31		011L*012H,15L* 16L*17L,18L*19L* 110L,012H
	7J31B		7J25B		2020		31		011L*012H,15L* 16L*17L,18L*19L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	7J31C		7J25C		2020		31		I10L, 012H 011L*012H, I5L* I6L*I7L, I8L*I9L*
	7J32B		7J04C		2020		31		I10L, 012H 011L*012H, I5L* I6L*I7L, I8L*I9L*
	7J32C		7J05E		2020		31		I10L, 012H 011L*012H, I5L* I6L*I7L, I8L*I9L*
	0J34B		0J10B		2030		64		I10L, 012H 010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	0J34C		0J04F		2030		63		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	0J34D		0J04F		2030		62		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	0J34E		0J04F		2030		61		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	1J34B		1J12B		2030		64		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	1J34C		1J12B		2030		63		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	1J34D		1J04F		2030		62		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	1J34E		1J04F		2030		61		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	2J34B		2J10B		2030		64		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	2J34C		2J04F		2030		63		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	2J34D		2J04F		2030		62		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	2J34E		2J04F		2030		61		010H, 011H, I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L
	9J34B		9J12B		2030		64		010H, 011H, I5L* I6L*I7L*I8L*I9L,

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	S1	Z1	SYMPTOM	FAULT
						PLATE		
	9J34C	9J12B			2030	63		I12L*I13L*I14L 010H,011H,15L* 16L*I7L*I8L*I9L, I12L*I13L*I14L
	9J34D	9J04F			2030	62		010H,011H,15L* 16L*I7L*I8L*I9L, I12L*I13L*I14L
	9J34E	9J04F			2030	61		010H,011H,15L* 16L*I7L*I8L*I9L, I12L*I13L*I14L
	3J10E	3J16E			2060	03,30		013L,15H,16H
	0J11A	0J20A			2070	56,57,60,66,69A		19L,014H
	0J14A	0J20A			2070	65A,66,69		17L,013H
	2J11A	2J20A			2070	56,57,60,66,69A		19L,014H
	2J14A	2J20A			2070	65A,66,69		17L,013H
	3J03C	3J06C			2070	07,11,21,18		015L,110H
	3J12A	3J14A			2070	03,07,09,53		110L,015H
	3J12C	3J06C			2070	47,11,30		013L,17H
	3J32C	3J24C			2070	03,14		110L,015H
	7J29F	7J31E			2070	34,54,134		014L,19H
	8J02B	8J06B			2070	24,25		013L,17H
	8J02G	8J06G			2070	21,61,121,107		012L,16H
	3J30A	3J09B			2020	13		011H*012L, I13L* I14L*I15L,011H
	3J34A	3J28A			2050	03,04		09L,15H,16H
	7J27E	7J23B			2050	07,34		010L,111H,112H
	7J32E	7J13E			2050	07,52		09L,15H,16H
	7J33A	7J30A			2090	07		010L,15H
	7J17F	7J18F			2030	49		I8L,010H,15L* 16L*I7L*I8L*I9L
	3J15F	3J23F			2013	08,09		010L*011L*012L
	3J19D	3J20D			2013	05		17H
	3J23E	3J22E			2013	40,43		010L*011L*012L
	3J24A	3J22A			2013	15		010L*011L*012L
	3J25E	3J22E			2013	16		013L*014L*015L
	8J16D	8J15D			2013	24		I8L
	8J18D	8J17D			2013	25		013L*014L*015L
	3J02B	3J06B			2060	21,18		014H,I8L*I9L* I10L
	3J32F	3J21F			2060	03,04		015H,111L*I12L
	0J22A	0J31A			2030	64		010H,15L*I6L* 17L*I8L*I9L
	0J22B	0J10B			2030	63		010H,15L*I6L* 17L*I8L*I9L
	0J22C	0J10B			2030	62		010H,15L*I6L* 17L*I8L*I9L
	0J22D	0J04F			2030	61		010H,15L*I6L* 17L*I8L*I9L

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	1J22A		1J12A		2030		64		010H, 15L*16L* 17L*18L*19L
	1J22B		1J12B		2030		63		010H, 15L*16L* 17L*18L*19L
	1J22D		1J04F		2030		61		010H, 15L*16L* 17L*18L*19L
	2J22A		2J31A		2030		64		010H, 15L*16L* 17L*18L*19L
	2J22B		2J10B		2030		63		010H, 15L*16L* 17L*18L*19L
	2J22C		2J10B		2030		62		010H, 15L*16L* 17L*18L*19L
	2J22D		2J04F		2030		61		010H, 15L*16L* 17L*18L*19L
	9J22A		9J12A		2030		64		010H, 15L*16L* 17L*18L*19L
	9J22B		9J12B		2030		63		010H, 15L*16L* 17L*18L*19L
	9J22C		9J12B		2030		62		010H, 15L*16L* 17L*18L*19L
	9J22D		9J04F		2030		61		010H, 15L*16L* 17L*18L*19L
	7J16G		7J33B		2080		28,49		09H, I10L*I11L* I12L*I13L*I14L* I15L
	3J06E		3J04E		2060		24,19		18L*19L*I10L
	1J22C		1J12B		2030		62		010H
	3J33B		3J32B		2920		03		I11L
	8J04C		8J05C		3490		121		I5L

000000		000000		000000		000000		000001	2
	7J06G		7J07G		2000		111		17L, I12L, 013L* 014H, 15L*16L, 17L*18L, 19L* 110L, 111L*I12L, 014H

000000		000000		000000		000000		000002	3
	7J07G		7J06G		2000		111		17L, I12L, 013L* 014H, 15L*16L, 17L*18L, 19L* 110L, 111L*I12L, 014H

000000		000000		000000		000000		000004	4
	7J08G		7J07G		2000		111		17L, I12L, 013L* 014H, 15L*16L, 17L*18L, 19L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000	7J06F	000000	7J07F	000000	2000	000000	111	000010	5	110L, I11L* I12L, 014H
000000	7J07F	000000	7J06F	000000	2000	000000	111	000020	6	17L, I12L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000000	7J08F	000000	7J07F	000000	2000	000000	111	000040	7	17L, I12L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000000	7J06E	000000	7J07E	000000	2000	000000	112	000100	8	17L, I12L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000000	7J07E	000000	7J06E	000000	2000	000000	112	000200	9	17L, I12L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000000	7J08E	000000	7J07E	000000	2000	000000	112	000400	10	17L, I12L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000000	7J06C	000000	7J07C	000000	2000	000000	112	001000	11	17L, I12L, 013L* 014H, I5L* I6L,

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000	7J07C	000000	7J06C	000000	2000	000000	112	002000	12	I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J08C	000000	7J07C	000000	2000	000000	112	004000	13	I7L,I12L,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J06B	000000	7J07B	000000	2000	000000	113	010000	14	I5L,I7L,I12L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J07B	000000	7J06B	000000	2000	000000	113	020000	15	I5L,I7L,I12L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J08B	000000	7J07B	000000	2000	000000	113	040000	16	I7L,I12L,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J06A	000000	7J07A	000000	2000	000000	113	100000	17	I5L,I7L,I12L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000	7J07D	000000	7J06D	000000	2013	000000	23	130000	18	I6L,013L*014L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	7J02B		7J15B		2060		22,23,49		015L 015L,I11H,I12H
000000		000000		000000		000000		200000	19
	7J07A		7J06A		2000		113		17L,I12L,013L* 014H,I5L*I6L, 17L*I8L,I9L* I10L,I11L*I12L, 014H
000000		000000		000000		000000		400000	20
	7J08A		7J07A		2000		113		17L,I12L,013L* 014H,I5L*I6L, 17L*I8L,I9L* I10L,I11L*I12L, 014H
000000		000000		000000		000000		777777	21
	7J06D		7J04D		2013		23		18L,010L*011L* 012L
	7J03C		7J16C		2070		22,23		012L,I6H
	3J08A		3J10A		2050		17,23		010H,I11L*I12L, I13L*I14L*I15L
	3J07A		3J02A		2920		23		015H,I11L*I12L* I13L,I5L*I6L* 17L,I8L*I9L* I10L
	3J08B		3J07B		2060		23,47,19		013H,I5L*I6L* 17L
000000		000000		000000		000001		000000	22
	7J10G		7J08G		2000		104		I12L,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
	3J07F		3J04F		2920		22		015H,I11L*I12L* I13L,I5L*I6L* 17L,I8L*I9L* I10L
	7J02G		7J13G		2050		22		09L
000000		000000		000000		000002		000000	23
	7J11G		7J10G		2000		104		013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
000000		000000		000000		000004		000000	24

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	7J12G		7J11G		2000		104		013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000000	7J10F	000000	7J08F	000000	2000	000010	104	000000	25 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000000	7J11F	000000	7J10F	000000	2000	000020	104	000000	26 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000000	7J12F	000000	7J11F	000000	2000	000040	104	000000	27 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000000	7J10E	000000	7J08E	000000	2000	000100	104	000000	28 I12L, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H 010L, I11H, I12H 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	7J02G		7J13G		2050		22		
	3J08E		3J07E		2920		22		
000000	7J11E	000000	7J10E	000000	2000	000200	104	000000	29 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000000	7J12E	000000	7J11E	000000	2000	000400	105	000000	30 I12L, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H 013L, I7H
	7J03B		7J05B		2070		22		
000000		000000		000000		000500		000000	31

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	3J08D		3J05D		2060		22		015H, I11L* I12L
000000	7J10C	000000	7J08C	000000	2000	001000	105	000000	32 I12L, 013L* 014H, 15L* 16L, 17L* 18L, 19L* 110L, I11L* I12L, 014H
000000	7J11C	000000	7J10C	000000	2000	002000	105	000000	33 I12L, 013L* 014H, 15L* 16L, 17L* 18L, 19L* 110L, I11L* I12L, 014H
000000	7J12C	000000	7J11C	000000	2000	004000	105	000000	34 I12L, 013L* 014H, 15L* 16L, 17L* 18L, 19L* 110L, I11L* I12L, 014H
000000	7J10B	000000	7J08B	000000	2000	010000	105	000000	35 I5L, I12L, 013L* 014H, I5L* 16L, 17L* 18L, 19L* I10L, I11L* I12L, 014H
000000	7J11B	000000	7J10B	000000	2000	020000	105	000000	36 I5L, I12L, 013L* 014H, I5L* 16L, 17L* 18L, 19L* I10L, I11L* I12L, 014H
000000	7J10A	000000	7J08A	000000	2000	040000	105	000000	37 I12L, 013L* 014H, 15L* 16L, 17L* 18L, 19L* 110L, I11L* I12L, 014H
000000	7J11A	000000	7J10A	000000	2000	100000	105	000000	38 I5L, I12L, 013L* 014H, I5L* 16L, 17L* 18L, 19L* I10L, I11L* I12L, 014H
000000		000000		000000		130000		000000	39

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
	7J10D		7J08D		2013		22		I8L,010L*011L* 012L
	7J03C		7J16C		2070		22,23		013L,17H
000000		000000		000001		000000		000000	40
	4J30G		4J29G		2900		99		06L*08H,08H
000000		000000		000002		000000		000000	41
	4J30G		4J29G		2900		99		013L*015H,015H
000000		000000		000003		000000		000000	42
	4J30G		4J29G		2900		99		17L*15L*114L, 110L*112L*19L
000000		000000		000004		000000		000000	43
	4J29G		4J28G		2900		99		06L*08H,08H
000000		000000		000010		000000		000000	44
	4J29G		4J28G		2900		99		013L*015H,015H
000000		000000		000014		000000		000000	45
	4J29G		4J28G		2900		99		17L*15L*114L, 110L*112L*19L
000000		000000		000020		000000		000000	46
	4J28G		4J02G		2900		99		06L*08H,08H
000000		000000		000040		000000		000000	47
	4J28G		4J02G		2900		99		013L*015H,015H
000000		000000		000060		000000		000000	48
	4J28G		4J02G		2900		99		110L,17L*15L* 114L,110L*112L* 19L
000000		000000		000100		000000		000000	49
	4J30F		4J29F		2900		99		06L*08H,08H
000000		000000		000200		000000		000000	50
	4J30F		4J29F		2900		99		013L*015H,015H
000000		000000		000300		000000		000000	51
	4J30F		4J29F		2900		99		17L*15L*114L, 110L*112L*19L
000000		000000		000400		000000		000000	52
	4J29F		4J28F		2900		100,99		06L*08H,08H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000	4J29F	000000	4J28F	001000	2900	000000	100,99	000000	53	013L*015H,015H
000000	4J29F	000000	4J28F	001400	2900	000000	100,99	000000	54	110L,17L*15L* 114L,110L*112L* 19L
000000	4J28F	000000	4J02F	002000	2900	000000	100	000000	55	06L*08H,08H
000000	4J28F	000000	4J02F	004000	2900	000000	100	000000	56	013L*015H,015H
000000	4J28F	000000	4J02F	006000	2900	000000	100	000000	57	17L*15L*114L, 110L*112L*19L
000000	4J30E	000000	4J29E	010000	2900	000000	100	000000	58	06L*08H,08H
000000	4J30E	000000	4J29E	020000	2900	000000	100	000000	59	013L*015H,015H
000000	4J30E	000000	4J29E	030000	2900	000000	100	000000	60	110L,17L*15L* 114L,110L*112L* 19L
000000	4J29E	000000	4J28E	040000	2900	000000	100	000000	61	06L*08H,08H
000000	4J29E	000000	4J28E	100000	2900	000000	100	000000	62	013L*015H,015H
000000	7J22F	000000	7J24E	130000	2930	000000	36	000000	63	112L,110L*112L, 08H*06L,08H 011L*012H,15L* 16L*17L,18L*19L* 110L
	7J23G		7J22G		2020		36			
000000	4J29E	000000	4J26E	140000	2900	000000	100	000000	64	17L*15L*114L, 110L*112L*19L
000000	4J28E	000000	4J02E	200000	2900	000000	100	000000	65	06L*08H,08H

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000	4J28E	000000	4J02E	400000	2900	000000	100	000000	66	013L*015H,015H
000000	4J28E	000000	4J02E	600000	2900	000000	100	000000	67	I7L*I5L*I14L, I10L*I12L*I9L
000000	3J13C	000000	3J10C	777777	2020	000000	11	000000	68	I5L*I6L*I7L,I8L* I9L*I10L,012H I6L 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L I6H 012H
	4J29D		4J28D		2013		20			
	3J03D		3J06D		2920		20			
	3J04E		3J02E		2060		20			
	7J23G		7J22G		2020		36			
000000	4J28C	000001	4J02C	000000	2900	000000	97	000000	69	06L*08H,08H
000000	4J28C	000002	4J02C	000000	2900	000000	97	000000	70	013L*015H,015H
000000	4J28C	000003	4J02C	000000	2900	000000	97	000000	71	I7L*I5L*I14L, I10L*I12L*I9L
000000	4J29C	000004	4J28C	000000	2900	000000	97	000000	72	06L*08H,08H
000000	4J29C	000010	4J28C	000000	2900	000000	97	000000	73	013L*015H,015H
000000	4J29C	000014	4J28C	000000	2900	000000	97	000000	74	I7L,I7L*I5L* I14L,I10L*I12L* I9L
000000	4J30C	000020	4J29C	000000	2900	000000	97	000000	75	06L*08H,08H
000000	4J30C	000040	4J29C	000000	2900	000000	97	000000	76	013L*015H,015H
000000	4J30C	000060	4J29C	000000	2900	000000	97	000000	77	I10L,I7L*I5L*

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
000000	4J28B	000100	4J04B	000000	2900	000000	97	000000	78 I14L,I10L*I12L* I9L
000000	4J28B	000200	4J04B	000000	2900	000000	97	000000	79 06L*08H,08H
000000	4J28B	000300	4J04B	000000	2900	000000	97	000000	80 013L*015H,015H
000000	4J29B	000400	4J28B	000000	2900	000000	97,98	000000	81 I7L*I5L*I14L, I10L*I12L*I9L
000000	4J29B	001000	4J28B	000000	2900	000000	97,98	000000	82 06L*08H,08H
000000	4J29B	001400	4J28B	000000	2900	000000	97,98	000000	83 013L*015H,015H
000000	4J30B	002000	4J29B	000000	2900	000000	98	000000	84 I7L*I5L*I14L, I10L*I12L*I9L
000000	4J30B	004000	4J29B	000000	2900	000000	98	000000	85 06L*08H,08H
000000	4J30B	006000	4J29B	000000	2900	000000	98	000000	86 013L*015H,015H
000000	4J28A	010000	4J29A	000000	2900	000000	98	000000	87 I7L*I5L*I14L, I10L*I12L*I9L
000000	4J28A	020000	4J29A	000000	2900	000000	98	000000	88 06L*08H,08H
000000	4J28A	030000	4J29A	000000	2900	000000	98	000000	89 013L*015H,015H
000000	4J29A	040000	4J28A	000000	2900	000000	98	000000	90 I7L,I7L*I5L* I14L,I10L*I12L* I9L
000000		100000		000000		000000		000000	91 06L*08H,08H

TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
	4J29A		4J28A		2900		98			013L*015H,015H
000000	4J29A	140000	4J28A	000000	2900	000000	98	000000	92	17L,110L,17L* 15L*114L,110L* 112L*19L
000000	4J30A	200000	4J29A	000000	2900	000000	98	000000	93	06L*06H,08H
000000	4J30A	400000	4J29A	000000	2900	000000	98	000000	94	013L*015H,015H
000000	4J30A	600000	4J29A	000000	2900	000000	98	000000	95	110L,17L*15L* 114L,110L*112L* 19L
000000	4J30D	777777	4J32D	000000	2013	000000	20	000000	96	18L,010L*011L* 012L 18L 17L,15L*16L*17L 015L,112H 15H 15H 17L*18L,111L* 112L 111L*112L*113L, 18L*19L*110L
000001	4J32A	000000	4J30A	000000	2900	000000	89	000000	97	06L*08H,08H
	4J33A		4J34A		2900		102			06L*08H,08H
000002	4J32A	000000	4J30A	000000	2900	000000	89	000000	98	013L*015H,015H 013L*015H,015H
	4J33A		4J34A		2900		102			
000003	4J32A	000000	4J30A	000000	2900	000000	89	000000	99	17L*15L*114L, 110L*112L*19L 17L*15L*114L, 110L*112L*19L
	4J33A		4J34A		2900		102			
000004	4J32B	000000	4J30B	000000	2900	000000	102	000000	100	06L*08H,08H

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
000010	4J32B	000000	4J30B	000000	2900	000000	102	000000	101 013L*015H,015H
000014	4J32B	000000	4J30B	000000	2900	000000	102	000000	102 I10L,I7L*I5L* I14L,I10L*I12L* I9L
000020	4J34B	000000	4J33B	000000	2900	000000	102	000000	103 06L*08H,08H
000040	4J34B	000000	4J33B	000000	2900	000000	102	000000	104 013L*015H,015H
000060	4J34B	000000	4J33B	000000	2900	000000	102	000000	105 I10L,I7L*I5L* I14L,I10L*I12L* I9L
000100	4J33C	000000	4J32C	000000	2900	000000	102	000000	106 06L*08H,08H
000200	4J33C	000000	4J32C	000000	2900	000000	102	000000	107 013L*015H,015H
000300	4J33C	000000	4J32C	000000	2900	000000	102	000000	108 I7L*I5L*I14L, I10L*I12L*I9L
000400	4J32E	000000	4J30E	000000	2900	000000	103	000000	109 06L*08H,08H
001000	4J32E	000000	4J30E	000000	2900	000000	103	000000	110 013L*015H,015H
001000	3J31E	000000	3J09E	000000	2020	000603	03	000000	111 I7L
001400	4J32E	000000	4J30E	000000	2900	000000	103	000000	112 I10L,I7L*I5L* I14L,I10L*I12L* I9L
002000	4J34E	000000	4J33E	000000	2900	000000	103	000000	113 06L*08H,08H
004000	4J34E	000000	4J33E	000000	2900	000000	103	000000	114 013L*015H,015H

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
006000	4J34E	000000	4J33E	000000	2900	000000	103	000000	115 I10L, I7L* I5L* I14L, I10L* I12L* I9L
006635	3J13G	000000	3J07G	000000	2920	000000	35	000000	116 015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
006637	7J20E 7J23F 7J20G 7J19E	000000	7J24E 7J19F 7J21G 7J16E	000000	2930 2060 2020 2070	000000	34,35 35,36 35 35,36,52	000000	117 I10L* I12L, 08H* 06L, 08H 013H, I5L* I6L* I7L 011H* I12L, I13L* I14L* I15L I10H
010000	4J33F	000000	4J32F	000000	2900	000000	103	000000	118 06L* 08H, 08H
020000	4J33F	000000	4J32F	000000	2900	000000	103	000000	119 013L* 015H, 015H
030000	4J33F	000000	4J32F	000000	2900	000000	103	000000	120 I10L, I7L* I5L* I14L, I10L* I12L* I9L
040000	4J32G	000000	4J30G	000000	2900	000000	103	000000	121 06L* 08H, 08H
046637	7J19E	000000	7J16E	000000	2070	000000	35,36,52	000000	122 015L
100000	4J32G	000000	4J30G	000000	2900	000000	103	000000	123 013L* 015H, 015H
130000	7J20F	000000	7J21F	000000	2020	000000	35	000000	124 I6L, I10L, I5L* I6L* I7L
140000	4J32G	000000	4J30G	000000	2900	000000	103	000000	125 I7L* I5L* I14L, I10L* I12L* I9L

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TABLE 8-5. PRELOAD INITIALIZATION, MASTER CLEAR - LOGIC

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM FAULT
146637		000000		000000		000000		000000	126
	7J20G		7J21G		2020		35		011H
177777		000000		000000		000000		000000	127
	4J33D		4J32D		2013		19,21		I6L,013L*014L* 015L
	7J20F		7J21F		2020		35		011L*012H,18L* 19L*110L,012H
	3J02A		3J07A		2920		21		I11L*I12L*I13L, I5L*I6L*I7L
	3J02C		3J04C		2060		30,15,21		I11H

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TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/O

IOFUNC	IOCHAN LOC	SWAP	CO	CE	CHANO	FAULT
			TYPE		PLATE	
0	2J06D	2J05D	2900	000000	000000	0001 68 110L,06L*08H, I7L*I5L*I14L, I10L*I12L*I9L, 08H
	7J19C	7J22C	2060			53 I8L*I9L*I10L
0	2J11D	2J07D	2900	000000	000000	0002 68 06L*08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
0	2J17D	2J16D	2930	000000	000000	0004 61,62 I10L,I10L*I12L, 013L*015H,I9L* I10L,015H
	2J17C	2J16C	2050			56,57 010L,I13H,I14H, I15H
	3J12A	3J14A	2070			03,07,09,53 014L,I9H
	3J16C	3J33C	2050			48,53 010H,I11L*I12L, I13L*I14L*I15L
	3J25B	3J26B	2013			15 010L*011L*012L
	2J12F	2J16F	2070			56,57 I10L
0	2J29E	2J25D	2070	000000	000000	0010 57,58 015L,I10H
	2J28D	2J13D	2020			61 011H*012L,I13L* I14L*I15L,011H
0	2J12F	2J16F	2070	000000	000000	0014 56,57 015H
0	2J33E	2J33D	2020	000000	000000	0020 61 I14L,011H*012L, I13L*I14L*I15L, 011H
0	3J16C	3J33C	2050	000000	000000	0024 48,53 I13L
0	2J19D	2J18D	2930	000000	000000	0040 61,62 I10L,I10L*I12L, 013L*015H,I9L* I10L,015H
	2J19C	2J17C	2050			56 010L,I13H,I14H, I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/C

IOFUNC	IOCHAN LOC	SWAP	CO TYPE	CE	CHANO PLATE	FAULT
0	2J29D	00 2J20D	000000 2930	000000	0100 61,62	110L, I10L*112L, 013L*015H, 19L* 110L, 015H
0	2J16D	00 2J17D	000000 2930	000000	0200 38	110L, I10L*112L, 013L*015H, 19L* 110L, 015H
	2J12F 2J16C	2J16F 2J17C	2070 2050		56,57 57	17L, 013H 010L, I11H, I12H
0	7J19G	00 7J17G	000000 2050	000000	0340 36,53	010H, I11L*112L, 113L*114L*115L 012L
	7J03G	7J09G	2070		26,35,53	
0	2J31D	00 2J30D	000000 2930	000000	0400 61,62	110L*112L, 013L* 015H, 19L*110L, 015H
	2J31C	2J30C	2050		56	010L, I13H, I14H, 115H
0	7J09E	00 7J31D	000000 2013	000000	0740 14	013L*014L*015L 16H
	7J03G	7J09G	2070		26,35,53	
	7J19G	7J17G	2050		36,53	111L
0	2J08A	00 2J06A	000000 2900	000000	1000 65A	112L, 06L*08H, 17L*15L*114L, 110L*112L*19L, 08H
	2J31A	2J22A	2030		65A	010L, 15H, 16H, 17H, 18H, 19H
	2J22D	2J34D	2030		61	011H, I12L*113L* I14L
0	2J03E	00 2J06E	000000 2900	000001	0000 71	013L*015H, 015H
0	2J03E	00 2J06E	000000 2900	000002	0000 71	06L*08H, 08H
0	2J03E	00 2J06E	000000 2900	000003	0000 71	17L*15L*114L, 110L*112L*19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/O

IOFUNC	IOCHAN LOC	CO SWAP	CE TYPE	CHANO PLATE	FAULT
0	2J06E	00 2J03E	000000 2900	000004 71	0000 013L*015H,015H
0	2J06E	00 2J03E	000000 2900	000010 71	0000 06L*08H,08H
0	2J06E	00 2J03E	000000 2900	000014 71	0000 17L*15L*114L, 110L*112L*19L
0	2J09E	00 2J06E	000000 2900	000020 71	0000 013L*015H,015H
0	2J09E	00 2J06E	000000 2900	000040 71	0000 06L*08H,08H
0	2J09E	00 2J06E	000000 2900	000060 71	0000 17L*15L*114L, 110L*112L*19L
0	2J12E	00 2J09E	000000 2900	000100 71	0000 013L*015H,015H
0	2J12E	00 2J09E	000000 2900	000200 71	0000 06L*08H,08H
0	2J12E	00 2J09E	000000 2900	000300 71	0000 17L*15L*114L, 110L*112L*19L
0	2J15E	00 2J12E	000000 2900	000400 71,72	0000 013L*015H,015H
0	2J15E	00 2J12E	000000 2900	001000 71,72	0000 06L*08H,08H
0	2J15E	00 2J12E	000000 2900	001400 71,72	0000 17L*15L*114L, 110L*112L*19L
0	2J18E	00 2J15E	000000 2900	002000 72	0000 013L*015H,015H
0	2J18E	00 2J15E	000000 2900	004000 72	0000 06L*08H,08H
0		00	000000	006000	0000

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/G

IOFUNC	IOCHAN LOC	SWAP	CO TYPE	CE	CHANO PLATE	FAULT	
	2J18E	2J15E	2900		72	17L*15L*114L, 110L*112L*19L	
0	2J21E	2J18E	2900	000000	010000	0000	013L*015H,015H
0	2J21E	2J18E	2900	000000	020000	0000	06L*08H,08H
0	2J21E	2J18E	2900	000000	030000	0000	17L*15L*114L, 110L*112L*19L
0	2J24E	2J21E	2900	000000	040000	0000	013L*015H,015H
0	2J24E	2J21E	2900	000000	100000	0000	06L*08H,08H
0	2J24E	2J21E	2900	000000	140000	0000	17L*15L*114L, 110L*112L*19L
0	2J27E	2J24E	2900	000000	200000	0000	013L*015H,015H
0	2J27E	2J24E	2900	000000	400000	0000	06L*08H,08H
0	2J27E	2J24E	2900	000000	600000	0000	17L*15L*114L, 110L*112L*19L
0	1J03E	1J06E	2900	000001	000000	0000	013L*015H,015H
0	1J03E	1J06E	2900	000002	000000	0000	06L*08H,08H
0	1J03E	1J06E	2900	000003	000000	0000	17L*15L*114L, 110L*112L*19L
0	1J06E	1J03E	2900	000004	000000	0000	013L*015H,015H
0	1J06E	1J03E	2900	000010	000000	0000	06L*08H,08H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/O

IOFUNC	IOCHAN LOC	SWAP	CO TYPE	CE	CHANG PLATE	FAULT
0	1J06E	00	000014 2900	000000	0000 71	I7L*I5L*I14L, I10L*I12L*I9L
0	1J09E	00	000020 2900	000000	0000 71	013L*015H,015H
0	1J09E	00	000040 2900	000000	0000 71	06L*08H,08H
0	1J09E	00	000060 2900	000000	0000 71	I7L*I5L*I14L, I10L*I12L*I9L
0	1J12E	00	000100 2900	000000	0000 71	013L*015H,015H
0	1J12E	00	000200 2900	000000	0000 71	06L*08H,08H
0	1J12E	00	000300 2900	000000	0000 71	I7L*I5L*I14L, I10L*I12L*I9L
0	1J15E	00	000400 2900	000000	0000 71,72	013L*015H,015H
0	1J15E	00	001000 2900	000000	0000 71,72	06L*08H,08H
0	1J15E	00	001400 2900	000000	0000 71,72	I7L*I5L*I14L, I10L*I12L*I9L
0	1J18E	00	002000 2900	000000	0000 72	013L*015H,015H
0	1J18E	00	004000 2900	000000	0000 72	06L*08H,08H
0	1J18E	00	006000 2900	000000	0000 72	I7L*I5L*I14L, I10L*I12L*I9L
0	1J21E	00	010000 2900	000000	0000 72	013L*015H,015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - 1/C

IOFUNC	IOCHAN LOC	SWAP	CO TYPE	CE PLATE	CHANO	FAULT
0	1J21E	00 1J18E	020000 2900	000000 72	0000	06L*08H,08H
0	1J21E	00 1J18E	030000 2900	000000 72	0000	17L*15L*114L, 110L*112L*19L
0	1J24E	00 1J21E	040000 2900	000000 72	0000	013L*015H,015H
0	1J24E	00 1J21E	100000 2900	000000 72	0000	06L*08H,08H
0	1J24E	00 1J21E	140000 2900	000000 72	0000	17L*15L*114L, 110L*112L*19L
0	1J27E	00 1J24E	200000 2900	000000 72	0000	013L*015H,015H
0	1J27E	00 1J24E	400000 2900	000000 72	0000	06L*08H,08H
0	1J27E	00 1J24E	600000 2900	000000 72	0000	17L*15L*114L, 110L*112L*19L
0	7J14A	01 7J12A	000000 2900	000000 50	0000	17L,013L*015H, 17L*15L*114L, 110L*112L*19L, 015H
0	7J14G	02 7J12G	000000 2000	000000 51	0000	16L,19L,111L, 115H,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
0	7J14F	04 7J12F	000000 2000	000000 51	0000	16L,19L,112L, 115H,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
0		06	000000	000000	0000	

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TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - I/O

IOFUNC	IOCHAN LOC	SWAP	CO	TYPE	CE	PLATE	CHAND	FAULT
	7J16E	7J19E		2070		10,49,50,54		012L,16H
0	7J12A	7J14A	000000	2900	000000	50	0000	06L*08H,17L*15L* 114L,110L*112L* 19L,08H
1	7J14E	7J12E	000000	2000	000000	51	0000	16L,19L,185H, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L,112L, 014H
2	7J14C	7J12C	000000	2000	000000	51	0000	16L,17L,19L, 112L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H
	7J15D	7J14D		2013		49		16L,013L*014L* 015L
	7J16D	7J09D		2060		49		013L,15H,16H, 17H
	7J02B	7J15B		2060		22,23,49		013H,15L*16L* 17L
2	3J34D	3J33D	000000	2020	000000	04	0000	113H,18L*19L* 110L
3			000000		000000		0000	
	7J02D	7J03D		2013		06		15H,16H,013H* 014H*015H
	7J16F	7J15F		2060		28,49		15L,015L,111H, 112H,013H,15L* 16L*17L
	3J15F	3J23F		2013		08,09		15L,013L*014L* 015L
	3J19D	3J10D		2013		05		19H,010H*011H* 012H
	7J15D	7J14D		2013		49		17L,010L*011L* 012L
	7J16D	7J09D		2060		49		015L,111H,112H
	7J30E	7J28E		2060		07,52		112L,015H,111L* 112L

TABLE 8-6. PRELOAD INITIALIZATION, MASTER CLEAR - 1/G

IOFUNC	IOCHAN	CO	CE	CHANO	FAULT
LOC	SWAP	TYPE	PLATE		
3J12C	3J06C	2070	47,11,30		012L,I6H
7J16E	7J19E	2070	10,49,50,54		15L,011H
7J31E	7J29E	2070	07		011L,15H
7J17F	7J18F	2030	49		112L,011H,I12L*
					I13L*I14L
7J18C	7J02C	2030	49,107		112L,011H,I12L*
					I13L*I14L
3J32E	3J25E	2013	04,05		010H*011H*012H
3J33E	3J25E	2013	04,05		15H
3J34E	3J25E	2013	04		19H
3J35E	3J23F	2013	04		18H
3J33F	3J32F	2060	04		18L*19L*I10L,
					111L*I12L
3J34D	3J33D	2020	04		15L,I15H

3	07	000000	000000	0000	
7J14D	7J13D	2013	49		010L*011L*012L

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TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	TYPE	Z1	PLATE	SEQ	MODE	FAULT
000000		00	000000	000000	000000		0400		01	
	3J23F		3J15F		2013		40			15H, 16H, 013H* 014H*015H
	3J24E		3J12E		2900		40			06H*08L, 06H
	3J23D		3J21D		2060		40			013H, 15L*16L* 17L
000000		40	000000	000000			0000		01	
	3J14C		3J32G		2930		10, 11			15L, 17L, 19H, 112H, 15L*114L, 08L*06H, 013H* 015L, 17L*114L, 06H, 013H
	3J15D		3J32G		2930		08, 09			15L, 17L, 19H, 112H, 15L*114L, 08L*06H, 013H* 015L, 17L*114L, 06H, 013H
	3J14B		3J32G		2930		10, 11			15L, 19H, 112H, 15L*114L, 08L* 06H, 013H*015L, 17L*114L, 06H, 013H
	3J15E		3J32G		2930		08, 09			15L, 19H, 112H, 15L*114L, 08L* 06H, 013H*015L, 17L*114L, 06H, 013H
	3J15C		3J32G		2930		08, 09			15L, 19H, 112H, 15L*114L, 08L* 06H, 013H*015L, 17L*114L, 06H, 013H
	3J15E		3J32G		2930		08, 09			19H, 112H, 15L* 114L, 08L*06H, 013H*015L, 17L* 114L, 06H, 013H
	3J33E		3J25E		2013		04, 05			16H, 17H, 18H, 19H, 010H*011H*012H
	3J15F		3J23F		2013		08, 09			17H, 18H, 19H, 010H*011H*012H
	3J19D		3J10D		2013		05			15H, 16H, 18H, 013H*014H*015H
	3J35F		3J27F		2070		04			17L, 110L, 014L, 015L, 013H, 015H
	3J33D		3J11D		2020		04			15L, 19L, 113H,

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TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	TYPE	Z1	PLATE	SEG	MODE	FAULT
										114H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H 15H,16H,013H* 014H*015H
	3J15A	3J22A			2013		05			
	3J32D	3J29D			2013		05			16H,17H,19H
	3J34E	3J25E			2013		04			17H,18H,010H* 011H*012H
	3J14D	3J32G			2930		10,11			112H,15L*114L, 08L*06H,06H
	3J14E	3J32G			2930		10,11			112H,15L*114L, 08L*06H,06H
	3J34F	3J05G			2060		04			013L,16H,17H, 013H,15L*16L* 17L
	3J34D	3J09E			2020		04			18L,113L,011L* 012H,011H*012L, 011H
	3J18G	3J17G			2060		08,46,			013L,15H,16H, 17H
	3J33F	3J32F			2060		04			013H,014H,015H, 15L*16L*17L
	7J33F	7J32F			2020		134			113L,011H*012L, 113L*114L*115L, 011H
	3J10E	3J06E			2060		03,30			15L,013H,15L* 16L*17L
	3J12C	3J06C			2070		47,11,30			17L,013H
	3J20G	3J16G			2070		8,45			110L,015H
	7J29F	7J31E			2070		34,54,134			012L,16H
	3J32E	3J25E			2013		04,05			19H
	3J35E	3J23F			2013		04			17H

000000		40		000000		000000		0000	04	
	3J32F		3J21F		2060		03,04			18L

000000		40		000000		000000		0400	01	
	3J31C		3J13C		2020		03			16L,19L,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H
	3J31E		3J09E		2020		03			18H,19H,110H, 011H*012L,113L* 114L*115L,011H
	3J31D		3J02D		2050		29,03			111L,114L,111L* 112L,113L*114L* 115L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	Z1	SEQ	MODE	FAULT
	3J04D		3J13D		2070	20,07,18		17L,013H
	3J32C		3J24C		2070	03,14		15L,011H
	3J33C		3J16C		2050	03		010L,113H,115H
	3J33E		3J32E		2013	04,05		013H*014H*015H
	3J31B		3J24B		2060	03,13,03		013H
000000	3J33B	40	3J32B	000000	000000	0400	04	015L,15H,17H
000000	3J31B	40	3J24B	000000	000001	0400	01	15L*16L*17L
000000	3J33C	40	3J16C	000000	340777	0400	01	114H
000000	3J31D	40	3J02D	000000	777777	0400	01	010H
000000	2J10E	40	2J11E	000115	000000	1000	01	15H,17H,18H,19H
000000	3J33B	40	3J32B	000500	000000	0400	04	16H
000001	3J32C	40	3J24C	000000	340777	0100	01	015L,110H
000001	3J32F	40	3J21F	000000	340777	0100	02	17L,013H,15L* 16L*17L
000001	7J33B	40	7J16E	000001	000000	0100	01	110H,111H,112H, 113H,114H,115H
	3J30F		3J29F		2030	14,03		011L,112H,113H, 114H,115H
	3J31E		3J09E		2020	03		113L
000001	7J05B	40	7J03B	000001	307712	0100	01	19L,014H
	3J34A		3J28A		2050	28,31,35 03,04		111L*112L,113L* 114L*115L
	3J32A		3J31A		2090	03		15L
000001	3J32A	40	3J31A	000001	340745	0100	01	010H
000001		40		000001	340777	0100	01	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	Z1	PLATE	SEQ	MODE	FAULT
	3J34A 7J33B		3J28A 7J16G		2050 2080	03,04 31,32			113L,01CH 09L
000501	3J32B	40	3J04B	000500	000000	03	0500	10	111L
006635	3J23D	00	3J21D	100603	000400	40	0410	01	17L
006637	3J23F	77	3J15F	160603	000453	40	0410	01	010L*011L*012L
006637	3J23F	77	3J15F	160603	000653	40	0410	01	19L
046635	2J31A	40	2J22A	120603	000000	65A	0500	01	011H
102615	2J02A	40	2J07A	000603	000000	58,65A	0500	01	014H
102631	7J26F	40	7J24F	060602	000000	54	0510	01	115L
102635	3J24B	40	3J23B	020602	000000	41,15	0510	01	15L*16L*17L
102635	3J24B	40	3J23B	060603	000000	41,15	0510	01	15L
104615	3J31B	40	3J24B	060602	000000	03,13,03	0500	01	015L
104635	3J24B	40	3J23B	060602	000000	41,15	0510	01	013H
106615	2J02A	40	2J07A	000603	000000	58,65A	0500	01	013H,18L*19L* 110L
106615	3J31B	40	3J24B	060602	000000	03,13,03	0500	01	111H
106615	3J32C 3J30G	40	3J24C 3J23G	060603	000000	03,14 03	0500	01	19L,014H 16L
106615		40		060603	000000		0510	01	

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TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	Z1	SEQ	MODE	FAULT
				TYPE	PLATE			
	3J17A		3J14A	2070	47,48			013L
	3J22F		3J08F	2070	41			19H
106635	2J02A	40	2J07A	2060	58,65A	0500	01	015H
106635	3J30G	40	3J23G	2070	03	0500	01	012H
106635	3J25A	40	3J24A	2013	15	0510	01	013L*014L*015L
	3J18B		3J11B	2050	47,48			111L*112L
106637	3J24A	40	3J22A	2013	15	0510	01	17L
124631	8J04C	40	8J05C	3490	121	0500	01	19H
142615	2J09F	40	2J04F	2030	77,77A	0500	01	115H
142635	2J09F	40	2J04F	2030	77,77A	0500	01	17H,18H
	2J10B		2J11B	2030	66			010H
144615	3J17A	40	3J14A	2070	47,48	0510	01	17H
146615	2J09F	40	2J04F	2030	77,77A	0500	01	16H
146615	2J09F	40	2J04F	2030	77,77A	0500	01	15L*16L*17L*18L*19L
146615	3J22F	40	3J08F	2070	41	0510	01	014L
146615	2J02A	40	2J07A	2060	58,65A	0500	01	17H
146635	2J09F	40	2J04F	2030	77,77A	0500	01	114L,115L,010H
	3J31B		3J24B	2060	03,13,03			112H
146635	2J10B	40	2J11B	2030	66	0510	01	113H,115H

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TABLE 8-7. PRELOAD INITIALIZATION, MEMORY CLEAR - FUNCTION CODE

P	LOC	FUNC	SWAP	S1	Z1	SEQ	MCDE	FAULT
					TYPE	PLATE		
146635		40		000603	000000	0500	G1	
	2J31A		2J22A		2030	65A		I8L,011L,I13L, 010H
	2J09F		2J04F		2030	77,77A		I12L,I13L
	2J10B		2J11B		2030	66		I14L,I15L
	2J12A		2J04A		2030	66		I8L,010H
146635		40		000603	000000	0510	G1	
	3J18B		3J11B		2050	47,48		I11L
146635		40		020603	000000	0510	G1	
	3J18B		3J11B		2050	47,48		010H
146635		40		060603	000000	0510	G1	
	3J18B		3J11B		2050	47,48		I13L*I14L*I15L
146635		40		100602	000000	0510	G1	
	2J10B		2J11B		2030	66		I12H
146635		40		100603	000000	0500	G1	
	2J10B		2J11B		2030	66		011H
146635		40		110603	000000	0510	G1	
	2J12A		2J04A		2030	66		011L
156635		40		000603	000000	0500	G1	
	2J12A		2J04A		2030	66		I12L*I13L*I14L
	2J19F		2J09F		2030	77B,78		I5L
166635		40		100602	000000	0510	G1	
	2J10B		2J11B		2030	66		I14H

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TABLE 8-8. PRELOAD INITIALIZATION, MEMORY CLEAR - RUN NOT LIT

P	LOC	SWAP	TYPE	PLATE	FAULT
000001	3J15C	3J14C	2930	08,09	I7L
	3J15E	3J14E	2930	08,09	I7L
004415	4J22E	4J21E	2920	93	I7H
006635	3J31E	3J09E	2020	03	I13H, I15H
	3J30F	3J29F	2030	14,03	I14L, I12L* I13L* I14L
066635	3J30F	3J29F	2030	14,03	011H
126635	3J31E	3J09E	2020	03	I14H

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	AU	AL	S1	Z1	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
000000	000000	000000	000000	000000	1
FOR FURTHER ISOLATION REFER TO TABLE 8-47.					
7J02A	7J12B	2160	22		15L,015L,16H, 17H,18H,19H, 110H,111H,112H, 113H,014H
3J08D	3J05D	2060	22		015L,111H,112H, 013H,014H,15L* 16L*17L,18L*19L* 110L
7J10D	7J08D	2013	22		15L,16L,013L* 014L*015L
7J18D	7J15D	2013	06		15H,16H,013H* 014H*015H
3J35E	3J34E	2013	04		19L,010L*011L* 012L
7J03D	7J02D	2013	06		17L,010L*011L* 012L
7J25D	7J24D	2013	07,54		15L,013L*014L* 015L
7J32E	7J13E	2050	07,52		15L,17L,09H,15L* 16L,17L*18L
7J32F	7J31F	2020	134		114L,011H*012L, 113L*114L*115L, 011H
3J12A	3J14A	2070	03,07,09,53		015L,110H
3J30G	3J23G	2070	03		17L,013H
7J28B	7J22B	2070	07,30,53		014L,19H
7J31E	7J29E	2070	07		013L,17H
7J27B	7J23B	2050	07,34		010H,111L*112L, 113L*114L*115L
3J33E	3J32E	2013	04,05		19L
3J32F	3J21F	2060	03,04		15L,19L
3J15B	3J14B	2930	08,09		114L
3J35F	3J27F	2070	04		110H
3J34F	3J33F	2060	04		014H
3J08C	3J22B	2080	22		09H
3J32B	3J04B	2920	03		015L
3J33B	3J05C	2920	03		17L
000000	000000	000000	000000	307712	2
3J35F	3J27F	2070	04		19H
000000	000000	000000	000002	000000	3
3J07D	3J06D	2920	22		015H,111L*112L* 113L,18L*19L* 110L

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000		000000		000000		000100		000000	4	
	7J12E		7J11E		2000		105			I15L, I11H, I12H, 013H*014L, 013H
	7J03B		7J05B		2070		22			I7L, 013H
000000		000000		000000		000400		000000	5	
	7J10E		7J08E		2000		104			I15L, I11H, I12H, 013H*014L, 013H
	7J20E		7J24E		2930		34, 35			013L*015H, I9L* I10L, 015H
	7J23D		7J26B		2930		34			013L*015H, I9L* I10L, 015H
	7J02G		7J13G		2050		22			I12L, I13L, 010H, I11L* I12L, I13L* I14L* I15L
	8J06D		7J25F		2220		34, 107			015L
000000		000000		000000		000474		000000	6	
	7J26B		7J23D		2930		34			I12L, I10L* I12L, 08H*06L, 08H
	7J30F		7J23F		2060		34			I9L, 014H, I8L* I9L* I10L
	7J29E		7J19E		2070		34, 55			015L, I10H
	7J20E		7J24E		2930		34, 35			I9L
000000		000000		000000		000500		000000	7	
	FOR FURTHER ISOLATION REFER TO TABLE 8-47.									
	3J28C		3J30C		2900		12			I9L, I5H, 06H*08L, 013L*015H, I7L* I5L* I14L, I10L* I12L* I9L, 06H, 015H
	3J27E		3J26E		2060		12, 14			I8L, I9L, 013L, 015L, I5H, I6H, I7H, I11H, I12H, 014H, I8L* I9L* I10L
	3J27D		3J22D		2013		12			I7H, I8H, I9H, 010H*011H*012H
	3J27F		3J22F		2070		12			011L, 012L, 014L, I5H, I6H, I9H
	3J26F		3J12F		2050		14, 12			I5L, I7L, I12L, 09H, 010H, I5L* I6L, I7L* I8L, I11L* I12L, I13L* I14L* I15L
	3J23D		3J21D		2060		40			I11L, 013L, I5H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LCC	AU	SWAP	AL	TYPE	S1	Z1	SYMPTOM	FAULT
									I6H, I7H, 015H, I11L*I12L
	3J10D		3J19D		2013		07		I5H, I6H, 013H* 014H*015H
	3J29D		3J32D		2013		12, 13		I5H, I6H, 013H* 014H*015H
	3J32E		3J33E		2013		04, 05		I5L, I9L, 013L* 014L*015L
	8J17D		8J18D		2013		25		I5H, I6H, 013H* 014H*015H
	3J28G		3J21G		2060		12, 48		013L, I5H, I6H, I7H, 014H, I8L* I9L*I10L
	3J29E		3J20E		2070		14, 13, 12		I6L, I7L, 012H, 013H
	3J30D		3J12E		2900		13		013L*015H, I7L* I5L*I14L, I10L* I12L*I9L, 015H
	3J30E		3J24F		2900		13		06L*08H, I7L*I5L* I14L, I10L*I12L* I9L, 08H
	3J27G		3J12G		2050		12		I6L, I7L, 09H, 010H, I5L*I6L, I7L*I8L
	3J23F		3J15F		2013		40		I5L, 013L*014L* 015L
	3J24A		3J22A		2013		15		I5L, 013L*014L* 015L
	8J02D		8J03D		2013		06, 105		I5H, I6H
	3J29G		3J03G		2040		12		015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L
	3J28B		3J30B		2900		12		I9L, I12L
	3J28D		3J24D		2900		12		I9L, I12L
	3J28F		3J24F		2900		12		I9L, I12L
	3J25D		3J22D		2013		16		013L*014L*015L
	3J25E		3J23E		2013		16		I5L
	8J16D		8J15D		2013		24		010L*011L*012L
	3J32B		3J04B		2920		03		I11H, I12H, I13H, I14H
	8J02A		8J11B		2060		21, 25, 54		015H, I11L*I12L
	3J29F		3J17F		2030		48, 12		011H, I12L*I13L* I14L
	3J24E		3J12E		2900		40		I11L
	3J28E		3J12E		2900		12		I9L
	8J17A		8J15A		2000		115		I15H
	8J17B		8J15B		2000		115		I15H
	8J17C		8J15C		2000		116		I15H

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	Z1	SYMPTOM	FAULT
	8J17E		8J16E		2000		116		I15H
	8J17F		8J15F		2000		117		I15H
	8J17G		8J15F		2000		117		I15H
	8J18A		8J15A		2000		115		I15H
	8J18B		8J15B		2000		115		I15H
	8J18C		8J15C		2000		116		I15H
	8J18E		8J16E		2000		116		I15H
	8J18F		8J15F		2000		117		I15H
	8J18G		8J15F		2000		117		I15H
	8J19A		8J24A		2000		115		I15H
	8J19B		8J15C		2000		115		I15H
	8J19C		8J15E		2000		116		I15H
	8J19E		8J15F		2000		116		I15H
	8J19F		8J15F		2000		117		I15H
	8J19G		8J15F		2000		117		I15H
	3J26G		3J11G		2040		12		O15L
	3J33B		3J05C		2920		03		I10L

000000		000000		000000		000500		000001	8
	6J38A		6J37A		0651		157		I54L
	7J06G		7J07G		2000		111		I5L,I10L,I15H
	8J03A		8J06A		2050		111		O9L,I5H,I6H

000000		000000		000000		000500		000002	9
	6J37A		6J36A		0651		157A		I54L
	7J07G		7J06G		2000		111		I5L,I10L,I15H
	8J03A		8J06A		2050		111		O10L,I11H,I12H

000000		000000		000000		000500		000004	10
	6J36A		6J35A		0651		158		I54L
	6J13C		6J15C		0761		137,175		I28H,I25H*I28H
	7J08G		7J07G		2000		111		I5L,I10L,I15H
	8J04B		8J03B		2050		111		O9L,I5H,I6H

000000		000000		000000		000500		000005	11
	6J13C		6J15C		0761		137,175		I30H,I27H*I30H

000000		000000		000000		000500		000006	12
	2J24A		2J23A		2090		63,64		I5H
	2J24D		2J23D		2090		61,62		I5H
	2J22B		2J12B		2030		63		I15L
	2J22D		2J34D		2030		61		I15L

000000		000000		000000		000500		000007	13
	6J13C		6J15C		0761		137,175		I31H,I31H*I32H

000000		000000		000000		000500		000010	14
	6J35A		6J34A		0651		158		I54L

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
	7J06F		7J07F		2000		111			I5L, I10L, I15H
	8J04B		8J03B		2050		111			010L, I11H, I12H
000000	000000	000000	000000	000500			000020		15	
	6J34A		6J33A		0651		159			I54L
	9J24A		9J23A		2321		63,64			010L, I5H
	9J24D		9J23D		2321		61,62			010L, I5H
	7J07F		7J06F		2000		111			I5L, I10L, I15H
	8J03B		8J04B		2050		111			09L, I5H, I6H
	9J22B		9J12B		2030		63			I15L
000000	000000	000000	000000	000500			000040		16	
	6J33A		6J32A		0651		159			I54L
	6J15C		6J13C		0761		137,175			I28H
	7J08F		7J07F		2000		111			I5L, I10L, I15H
	8J03B		8J04B		2050		111			010L, I11H, I12H
000000	000000	000000	000000	000500			000050		17	
	6J15C		6J13C		0761		137,175			I30H
000000	000000	000000	000000	000500			000070		18	
	6J15C		6J13C		0761		137,175			I31H
000000	000000	000000	000000	000500			000100		19	
	6J32A		6J31A		0651		160			I45H, I47H, I51L, I54L
	7J06E		7J07E		2000		112			I5L, I10L, I15H
	8J03C		8J06C		2050		112			09L, I5H, I6H
	9J22D		9J34D		2030		61			I15L
000000	000000	000000	000000	000500			000200		20	
	6J31A		6J30A		0651		160			I54L
	7J07E		7J06E		2000		112			I5L, I10L, I15H
	8J03C		8J06C		2050		112			010L, I11H, I12H
000000	000000	000000	000000	000500			000400		21	
	6J30A		6J29A		0651		161			I54L
	6J17C		6J15C		0761		136,137,175			I28H
	7J08E		7J07E		2000		112			I5L, I10L, I15H
	8J04E		8J03E		2050		112			09L, I5H, I6H
000000	000000	000000	000000	000500			000500		22	
	6J17C		6J15C		0761		136,137,175			I30H
000000	000000	000000	000000	000500			001000		23	
	6J29A		6J28A		0651		161			I54L
	6J19C		6J17C		0761		135,136,138,175			I27H+I30H
	7J06C		7J07C		2000		112			I5L, I10L, I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
	8J04E		8J03E		2050		112			010L, I11H, I12H
000000		000000		000000		000500		002000	24	
	6J28A		6J27A		0651		162			I54L
	7J07C		7J06C		2000		112			I5L, I10L, I15H
	8J03E		8J02E		2050		112			09L, I5H, I6H
000000		000000		000000		000500		004000	25	
	6J27A		6J26A		0651		162			I54L
	6J19C		6J17C		0761		135, 136, 138, 175			I28H, I25H* I28H
	8J03E		8J02E		2050		112			010L, I11H, I12H
	7J08C		7J07C		2000		112			I10L, I15H
000000		000000		000000		000500		005000	26	
	6J19C		6J17C		0761		135, 136, 138, 175			I30H
000000		000000		000000		000500		010000	27	
	6J26A		6J25A		0651		163			I54L
	8J04F		8J03F		2050		113			09L, I5H, I6H
	7J06B		7J07B		2000		113			I10L, I15H
000000		000000		000000		000500		020000	28	
	6J25A		6J24A		0651		163			I45H, I51L, I54L
	8J04F		8J03F		2050		113			010L, I11H, I12H
	7J07B		7J06B		2000		113			I10L, I15H
000000		000000		000000		000500		030000	29	
	3J18D		3J16D		2070		47			I10H
000000		000000		000000		000500		040000	30	
	6J24A		6J23A		0651		164			I45H, I47H, I51L, I54L
	6J21C		6J19C		0761		135, 136, 138, 175			I28H, I25H* I28H
	7J08B		7J07B		2000		113			I5L, I10L, I15H
	8J03F		8J04F		2050		113			09L, I5H, I6H
000000		000000		000000		000500		100000	31	
	6J23A		6J22A		0651		164			I45H, I47H, I51L, I54L
	6J23C		6J21C		0761		135, 138, 175			I30H, I27H* I30H
	8J03F		8J04F		2050		113			010L, I11H, I12H
	7J06A		7J07A		2000		113			I10L, I15H
000000		000000		000000		000500		100401	32	
	3J08D		3J05D		2060		22			I8L
000000		000000		000000		000500		200000	33	
	6J22A		6J21A		0651		165			I45H, I47H, I51L,

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	Z1	SYMPTOM	FAULT
	6J23C		6J21C		0761		135,138,175		I54L
	7J07A		7J06A		2000		113		I31H,I31H*I32H
	8J03G		8J07G		2050		113		I5L,I10L,I15H
									09L,I5H,I6H
000000		000000		000000		000500	200061	34	
	6J25C		5J25C		0260		135		I29H
000000		000000		000000		000500	340777	35	
	6J17C		6J15C		0761		136,137,175		I34L
	3J08F		3J22F		2070		16,52,33,12		011L,015L,I5H,
									I10H
	3J32E		3J25E		2013		04,05		010L*011L*012L
	7J19D		7J18D		2013		06		I5H
	7J31F		7J26F		2020		134		I13H,011L*012H
000000		000000		000000		000500	342414	36	
	6J17C		6J15C		0761		136,137,175		I34H
	7J19D		7J18D		2013		06		013H*014H*015H
000000		000000		000000		000500	400000	37	
	6J21A		6J22A		0651		165		I45H,I47H,I51L,
									I54L
	6J23C		6J21C		0761		135,138,175		I28H,I25H*I28H
	7J08A		7J07A		2000		113		I5L,I10L,I15H
	8J03G		8J07G		2050		113		010L,I11H,I12H
000000		000000		000000		000500	505002	38	
	7J31F		7J26F		2020		134		I6H
000000		000000		000000		000500	505640	39	
	3J02D		3J31D		2050		16,25		I5L,09H,I5L*I6L,
									I7L*I8L
	4J20D		4J21D		2050		95		01GH
000000		000000		000000		000500	777777	40	
FOR FURTHER ISOLATION REFER TO TABLE 8-47.									
	6J15C		6J13C		0761		137,175		I25H*I28H,I27H*
									I30H,I31H*I32H
	6J17C		6J13C		0761		136,137,175		046L,I25H*I28H,
									I27H*I30H
	6J33C		6J35C		0900		136,135,145		I45L,I46L,047L*
									048L
	6J21C		6J23C		0761		135,136,138,175		03L*04L,03H*04H
	6J19C		6J23C		0761		135,136,138,175		03L*04L
	6J29C		6J31C		0040		136		015H*020H
	7J04E		7J03E		2060		134		I6L,I9L,014L,
									I8H,I9H,I10H,

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	Z1	SYMPTOM	FAULT
									013H,014H,I5L* I6L*I7L,I8L*I9L* I10L I7H,I8H,I9H, 010H*011H*012H I5H,I6H,013H* 014H*015H 010H,I5L*I6L* I7L*I8L*I9L
-	8J02D		8J03D		2013		06,105		
-	7J06D		7J04D		2013		23		
-	7J02C		7J18C		2030		23,30		
-	7J30F		7J23F		2060		34		I11L
	3J08A		3J28A		2050		17,23		I12L
	3J10A		3J28A		2050		107		09L
000000	7J10G	000000	7J08G	000000	2000	000501	104	000000	41 I15H
000000	7J11G	000000	7J10G	000000	2000	000502	104	000000	42 I15H
000000	1J11B	000000	1J10B	000000	2030	000503	66	000000	43 010L,I5H,I6H, I7H,I8H,I9H 010L,I5H,I6H, I7H,I8H,I9H 010L,I5H,I6H, I7H,I8H,I9H 011H,I12L*I13L* I14L
	1J12A		1J04A		2030		66		
	1J12B		1J22B		2030		66		
	1J22D		1J34D		2030		61		
000000	1J08B	000000	1J08A	000000	2900	000503	66	000653	44 I9L
	1J09B		1J05D		2900		66		I12L
000000	7J12G	000000	7J11G	000000	2000	000504	104	000000	45 I11L,I15H
000000	2J22C	000000	2J34C	000000	2030	000505	62	000000	46 011H,I12L*I13L* I14L
000000	1J22C	000000	1J34C	000000	2030	000507	62	000000	47 011H,I12L*I13L* I14L
000000	7J10F	000000	7J08F	000000	2000	000510	104	000000	48 I11L,I15H
000000		000000		000000		000511		000000	49

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
	2J22B		2J12B		2030		63			011H,I12L*I13L* I14L
000000	1J22B	000000	1J12B	000000	2030	000513	63	000000	50	011H,I12L*I13L* I14L
000000	1J08B	000000	1J09B	000000	2900	000513	66	000653	51	I12L
000000	7J11D	000000	7J10D	000000	2013	000514	22	000000	52	I6L,013L*014L* 015L
	7J02B		7J15B		2060		22,23,49			014L,I8H,I9H, I10H
000000	2J09B	000000	2J08B	000000	2900	000515	66	000000	53	I9L,013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H
	1J09B		1J08B		2900		66			013L*015H,I7L* I5L*I14L,I10L* I12L*I9L,015H
	2J10B		2J11B		2030		66			010L,I6H
	2J22A		2J12A		2030		64			011H,I12L*I13L* I14L
000000	1J10B	000000	1J11B	000000	2030	000517	66	000000	54	010L,I5H,I6H, I7H,I8H,I9H
	1J22A		1J12A		2030		64			011H,I12L*I13L* I14L
	1J09B		1J08B		2900		66			I9L
000000	7J11F	000000	7J10F	000000	2000	000520	104	000000	55	I11L,I15H
000000	1J08B	000000	1J09B	000000	2900	000537	66	000000	56	06L*08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
	1J09A		1J07A		2060		65,66,69			014L,I8H,I9H, I10H
000000	7J12F	000000	7J11F	000000	2000	000540	104	000000	57	I11L,I15H

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000000	1J09B	000000	1J08B	000000	2900	000557	66	000000	58	06L*08H,08H
000000	7J12D	000000	7J11D	000000	2013	000560	22	000000	59	18L,010L*011L* 012L
	7J03C		7J16C		2070		22,23			015L,110H
000000	3J09G	000000	3J14G	000000	2070	000574	30,34,17	000000	60	013L,17H
	3J27B		3J20B		2070		14,15			015L,110H
	3J26E		3J21E		2060		15,16			013H,15L*16L* 17L
	3J08E		3J07E		2920		22			16L,19L
000000	1J07B	000000	1J06B	000000	2060	000577	66	000000	61	013L,15H,16H, 17H
	1J11A		1J20A		2070		56,57,60,66,69			19L,014H
	1J08B		1J09B		2900		66			013L*015H,015H
	1J14A		1J20A		2070		66,69			013H
000000	7J11E	000000	7J10E	000000	2000	000700	104	000000	62	115H
000000	0J22D	000000	0J34D	000000	2030	000701	61	000000	63	011H,112L*113L* 114L
000000	9J11E	000000	9J10E	000000	2030	000702	66	000000	64	010L,15H,16H, 17H,18H,19H
	9J12A		9J04A		2030		66			010L,15H,16H, 17H,18H,19H
	9J12B		9J22B		2030		66			010L,15H,16H, 17H,18H,19H
000000	9J08B	000000	9J09E	000000	2900	000702	66	000451	65	112L
000000	9J08B	000000	9J08A	000000	2900	000702	66	000453	66	19L
	9J09B		9J05D		2900		66			112L
000000	1J22C	000000	1J34C	000000	2030	000703	62	000000	67	15L*16L*17L*18L* 19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	Z1	SYMPTOM	FAULT	
							PLATE			
000000	9J22D	000000	9J34D	000000	2030	000703	61	000100	68	011H,I12L*I13L* I14L
000000	0J22C	000000	0J34C	000000	2030	000705	62	000000	69	011H,I12L*113L* I14L
000000	7J03D	000000	7J02D	000000	2013	000706	06	000000	70	010H*011H*012H
000000	9J22C	000000	9J34C	000000	2030	000707	62	000000	71	011H,I12L*113L* I14L
000000	0J22B	000000	0J12B	000000	2030	000711	63	000000	72	011H,I12L*113L* I14L
000000	9J22B	000000	9J12B	000000	2030	000713	63	000020	73	011H,I12L*113L* I14L
000000	0J09B	000000	0J08B	000000	2900	000715	66	000000	74	19L,013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H 013L*015H,I7L* I5L*I14L,I10L* I12L*I9L,015H 010L,I5H,I6H, I7H,I8H,I9H 011H,I12L*113L* I14L
	9J09B		9J08B		2900		66			
	0J10B		0J11B		2030		66			
	0J22A		0J12A		2030		64			
000000	9J10B	000000	9J11B	000000	2030	000717	66	000000	75	010L,I5H,I6H, I7H,I8H,I9H 011H,I12L*113L* I14L I9L
	9J22A		9J12A		2030		64			
	9J09B		9J08B		2900		66			
000000	9J08B	000000	9J09B	000000	2900	000737	66	000000	76	06L*08H,I7L*I5L* I14L,I10L*I12L* I9L,08H 014L,I8H,I9H,
	9J09A		9J07A		2060		65,66,69			

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	AU	AL	S1	Z1	SYMPTOM
LOC	SWAP	TYPE	PLATE	FAULT	
					I10H
000000	000000	000000	000757	000000	77
9J09B	9J02B	2900	66		06L*08H,08H
000000	000000	000000	000777	000000	78
9J07B	9J06B	2060	66		013L,15H,16H, I7H
9J11A	9J20A	2070	56,57,60,66,69		I9L,014H
9J14A	9J20A	2070	65,69,66		I7L,013H
9J08B	9J09B	2900	66		013L*015H,015H
000000	000000	000000	001500	000000	79
7J10C	7J08C	2000	105		I15H
000000	000000	000000	002500	000000	80
7J11C	7J10C	2000	105		I15H
000000	000000	000000	004500	000000	81
7J12C	7J11C	2000	105		I15H
000000	000000	000000	010500	000000	82
7J10B	7J08B	2000	105		I15H
000000	000000	000000	020500	000000	83
7J11B	7J10B	2000	105		I15H
000000	000000	000000	040500	000000	84
7J10A	7J08A	2000	105		I5L,I15H
000000	000000	000000	050500	000000	85
3J26D	3J23D	2060	16		014L,19H,I10H
3J27F	3J22F	2070	12		013L,I7H
3J28E	3J24E	2900	12		I11L
000000	000000	000000	060500	000000	86
3J27F	3J22F	2070	12		015L,I10H
3J28E	3J24E	2900	12		I12L
3J26D	3J23D	2060	16		I8H
3J08C	3J22B	2080	22		I10L
000000	000000	000000	100500	777777	87
7J11A	7J10A	2000	105		I15H
000000	000000	000000	130500	000000	88
3J29G	3J26G	2040	12		I13L*I14L
000000	000000	000000	142514	777777	89

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
	3J276		3J126		2050		12			I11L*I12L,I13L* I14L*I15L
000000		000000		000000		177777		777777	90	
	7J03D		7J02D		2013		06			I7H,I8H,I9H
	7J10D		7J08D		2013		22			I5H,I6H,013H* 014H*015H
	7J02A		7J12B		2160		22			015H,I6L*I7L* I8L*I9L*I10L* I11L*I12L*I13L
	3J08C		3J22B		2080		22			I10L*I11L*I12L* I13L*I14L*I15L
000000		000000		040000		000500		000000	91	
	4J29E		4J28E		2900		100			I10L
000000		000000		050000		000500		000000	92	
	4J29D		4J28D		2013		20			013L*014L*015L
	3J04E		3J02E		2060		20			I5H,I7H
	3J13C		3J10C		2020		11			I8L,011L*012H
000000		000000		060000		000500		000000	93	
	3J04E		3J02E		2060		20			013L
000000		001400		000000		000500		000000	94	
	4J29B		4J28B		2900		97,98			I7L
000000		010000		000000		000500		000000	95	
	4J28A		4J29A		2900		98			I10L
000000		050000		000000		000500		000000	96	
	4J29D		4J28D		2013		20			010L*011L*012L
	3J04A		3J05A		2040		20			015H,I5L*I6L, I13L*I14L
	3J04E		3J02E		2060		20			I11H
	3J03B		3J04B		2920		20			015H
000000		060000		000000		000500		000000	97	
	3J04A		3J05A		2040		20			I9L*I10L
	3J03B		3J04B		2920		20			I5L*I6L*I7L
000000		600000		000000		000500		000000	98	
	4J30A		4J29A		2900		98			I7L
000003		000000		000000		000500		000000	99	
	4J32A		4J30A		2900		89			I11L
	4J33A		4J34A		2900		102			I11L

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
000014	4J32B	000000	4J30B	000000	2900	000500	102	000000	100	I11L
000060	4J34B	000000	4J33B	000000	2900	000500	102	000000	101	I11L
000100	4J33C	000000	4J32C	000000	2900	000500	102	000000	102	I7L
000300	4J33C	000000	4J32C	000000	2900	000500	102	000000	103	I11L
000400	4J32E	000000	4J30E	000000	2900	000500	103	000000	104	I7L
000500	4J34D 3J04B	000000	4J33D 3J03B	000000	2013 2920	000500	19,21 21	000000	105	013L*014L*015L I8L,015H,I11L* I12L*I13L,I8L* I9L*I10L
000501	3J25B 3J32C 3J30F	000000	3J26B 3J24C 3J29F	000000	2013 2070 2030	000500	15 03,14 14,03	000000	106	I5L,013L*014L* 015L 013L,I7H I7L
000501	3J30F	000000	3J29F	000000	2030	000500	14,03	000706	107	010H,I5L*I6L* I7L*I8L*I9L
001400	4J32E	000000	4J30E	000000	2900	000500	103	000000	108	I11L
006000	4J34E	000000	4J33E	000000	2900	000500	103	000000	109	I11L
006635	3J13G	000000	3J07G	000000	2920	000500	35	000000	110	I5L
006637	7J20G	000000	7J21G	000000	2020	000500	35	000000	111	I8H,I9H,I10H
030000	4J33F	000000	4J32F	000000	2900	000500	103	000000	112	I11L
046272	7J31E	000000	7J29E	000000	2070	000500	07	000000	113	013H

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TABLE 8-9. BOOTSTRAP LOAD FAILURE - INITIALIZATION

P	LOC	AU	SWAP	AL	TYPE	S1	PLATE	Z1	SYMPTOM	FAULT
047461	7J31E	000000	7J29E	000000	2070	000500	07	000000	114	I7L
050000	3J02C	000000	3J04C	000000	2060	000500	30,15,21	000000	115	I12H
055545	4J32D	000000	4J30D	000000	2013	000500	19,21	000000	116	I6L
056524	4J12A	000000	4J13B	000000	2060	000500	101,21	000000	117	O15L
057245	4J12A	000000	4J13B	000000	2060	000500	101,21	000000	118	I12H
060000	3J02C	000000	3J04C	000000	2060	000500	30,15,21	000000	119	O15L
063463	3J10D	000000	3J19D	000000	2013	000500	07	000000	120	I8H
064167	3J10D	000000	3J19D	000000	2013	000500	07	000000	121	I7H
065713	3J10D	000000	3J19D	000000	2013	000500	07	000000	122	I9H
067215	4J12A	000000	4J13B	000000	2060	000500	101,21	000000	123	I11H
140000	4J32G	000000	4J30G	000000	2900	000500	103	000000	124	I10L,I11L
140777	7J20F	000000	7J21F	000000	2020	000500	35	000000	125	I15H
141052	3J02A	000000	3J07A	000000	2920	000500	21	000000	126	O15H
141052	3J02A	000000	3J07A	000000	2920	000500	21	341052	127	I8L*I9L*I10L
177777	7J20F	000000	7J21F	000000	2020	000500	35	000000	128	I14H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
000001	000512 3J24F	000000 3J28F	000002 2900	000151 40	X022	I5L	1
000001	000512 8J06G	000000 8J02G	000002 2070	100151 81	X022	014L	2
000001	000512 3J24F	000000 3J28F	020766 2900	000000 40	X000	I11L	3
000002	000507 8J02G 3J24E	000000 8J06G 3J12E	000000 2070 2900	000000 21,81,121,107 40	000151 X022	013L, I7H I5L	4
000002	000507 8J07G	000000 8J03G	000000 2050	000000 81	400151 X022	09H, I7L* I8L	5
000003	000507 8J07G	161621 8J03G	401624 2050	000000 81	X000	010H	6
000003	000507 8J07G	163505 8J03G	401624 2050	000000 81	X000	I11L* I12L	7
000003	000507 8J07G	362176 8J03G	401624 2050	000000 81	X000	I13L* I14L* I15L	8
000004	000511 3J24E	000000 3J12E	000002 2900	000151 40	X022	I14L	9
000004	000511 8J06G	000000 8J02G	000002 2070	200151 81	X022	013L, I7H	10
000013	000522 8J06E	000000 8J25B	000000 2070	000000 80,81	040151 X023	I5H	11
000037	000522 8J06E	000000 8J25B	000000 2070	000000 80,81	040151 X023	011L	12
000051	000522 3J24F	000000 3J28F	000000 2900	000151 40	X023	I14L	13
000500	000501 4J23G 4J32A 4J33A	000000 4J24G 4J30A 4J34A	000000 2050 2900 2900	000000 94 89 102	000000 X000	I11L, I14L, 010H, I11L* I12L, I13L* I14L* I15L I9H, 013H* 015L, 013H I9H, 013H* 015L,	14

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	4J226	4J21G	2050	94			013H I8L,09H,I5L*I6L, I7L*I8L
	4J24F	4J21F	2070	94			015L,I10H
000500	000503	000000	000000		000000	X022	15
	4J236	4J22G	2050	94			I5L,I8L,09H,I5L* I6L,I7L*I8L
	4J32B	4J30B	2900	102			I12H,06H*08L, 06H
	4J24F	4J21F	2070	94			014L,I9H
	4J22F	4J20F	2920	94			I13L,015H,I11L* I12L*I13L,I5L* I6L*I7L,I8L*I9L* I10L
000500	000507	000000	000000		000151	X022	16
	4J32B	4J30B	2900	102			I9H,013H*015L, 013H
	4J24G	4J23G	2050	94			I7H,I8H
	4J27E	4J26E	2920	91			I6L,I9L,I12L
000500	000507	000000	000000		600513	X022	17
	4J25G	4J26G	2050	94			I12L,I13L,010H, I11L*I12L,I13L* I14L*I15L
	4J27E	4J26E	2920	91			015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	4J24G	4J23G	2050	94			09L
000501	000502	000000	000000		000000	X000	18
	4J15A	4J14A	2000	85			I15L,I9H,I10H, 013H*014L,013H
	4J21F	4J24F	2070	94			013L,I7H
	4J23G	4J22G	2050	94			I12L,I13L
000501	000510	000000	000002		000151	X022	19
	4J24F	4J21F	2070	94			013L,I7H
	4J16B	4J15B	2000	85			I9H,I10H
	4J25G	4J24G	2050	94			I11L,I14L
000501	000510	000000	000002		600513	X022	20
	4J16B	4J15B	2000	85			I15L,013H*014L, 013H
000501	000510	000000	000062		000151	X022	21

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO FAULT	SYMPTOM
	4J21F	4J24F	2070	94			015L, I10H
000503	000504 4J14A	000000 4J15A	000000 2000	000000 85	000000	X022	22 I15L, I9H, I10H, 013H*014L, 013H
	4J21G	4J20G	2050	94			I5L, I8L, 09H, I5L* I6L, I7L* I8L
	4J21F 4J23G	4J24F 4J22G	2070 2050	94 94			014L, I9H I6L, I7L
000503	000506 4J18A	000000 4J17A	000000 2000	000000 87	000000	X022	23 I5L
000504	000513 4J19B	000000 4J18B	000000 2000	000000 87	000000	X004	24 I5L
000506	000517 4J21G	000000 4J20G	000000 2050	000000 94	000000	X004	25 010L
000506	000517 4J08G	000000 4J07G	000000 2040	000000 82	560533	X006	26 I7L
000506	000517 8J17B 8J07A	000000 8J15B 8J06A	000000 2000 2050	000000 115 79	600503	X006	27 I15L, I11H, I12H, 013H*014L, 013H 09L, I5H, I6H
000506	000517 4J21G 4J16B 4J10F	000000 4J20G 4J15B 4J09F	000000 2050 2000 2040	000000 94 85 82	600513	X006	28 I13H, I14H, I15H I5H, I6H I10L
000506	000517 4J19B	000000 4J18B	000000 2000	777767 87	600513	X006	29 I15L, I5H, I6H, 013H*014L, 013H
000506	000517 4J08G	000000 4J07G	000000 2040	777773 82	560533	X006	30 I5L, I13L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
000507	000511 7J11F	000004 7J10F	000002 2000	000002 104	000151	X003	31 I9L
000507	000516 4J19B	000000 4J18B	000000 2000	000000 87	000000	X004	32 I5L*I6L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
000507	000527	000000	000000	000000	000000	X026	33
	4J206	4J136	2050	94			15L, 18L
	4J32A	4J30A	2900	89			112L
	4J33A	4J34A	2900	102			112L
000507	000527	000003	000000	000151	X007		34
	4J19D	4J18D	2013	19			16L, 013L*014L*
	4J19A	4J18A	2000	87			015L 19L
000507	000531	000000	000002	000151	X002		35
	4J246	4J236	2050	94			113H, 114H, 115H
000507	000531	000000	000076	000151	X003		36
	8J15B	8J14B	2000	114			15L
000507	000531	000000	760054	000151	X007		37
	4J19D	4J18D	2013	19			18L, 010L*011L*
	3J06C	3J03C	2070	17, 38, 19			012L
	4J19A	4J18A	2000	87			015L, 110H 17L
000507	000531	000001	000001	000000	X026		38
	4J226	4J216	2050	94			010L, 113H, 114H, 115H
000507	000531	000007	000007	000000	X026		39
	4J206	4J136	2050	94			09H, 15L*16L, 17L* 18L
000507	000531	000044	567227	000151	X023		40
	3J24A	3J22A	2013	15			19H
000507	000531	001216	000050	000151	X007		41
	8J21A	8J20A	3771	132			114L
000507	000531	065355	000000	000000	X000		42
	3J14D	3J15D	2930	10, 11			17L*114L
000512	000517	000000	000000	000151	X007		43
	4J096	4J086	2040	82			111L
000512	000517	000000	000000	560533	X006		44
	8J19A	8J18A	2000	115			115L, 111H, 112H, 013H*014L, 013H
	8J07A	8J06A	2050	79			010L, 111H, 112H
	4J14A	4J15A	2000	85			15H, 16H
	4J216	4J206	2050	94			17H, 18H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	4J08G	4J07G	2040	82		I10L	
000512	000517 4J17A	000000 4J16A	777773 2000	777773 87	560533	X006	45 I15L, I5H, I6H, 013H*014L, 013H
000512	000517 4J09G	777773 4J08G	777775 2040	777775 82	000151	X007	46 I13L, C15H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
000513	000514 4J27E	000000 4J26E	000000 2920	000000 91	000151	X007	47 I8H, I9H, I10H
000513	000524 2J27D	000000 2J09D	000000 2013	000000 59A, 60	000000	X000	48 17H, I8H, I9H, 010H*011H*012H
	3J25B	3J26B	2013	15			17H, I8H, I9H, 010H*011H*012H
	7J16D	7J09D	2060	49			I6L, I11L, I12L, 013H, 015H, I5L* I6L*I7L, I11L* I12L
	2J01C	2J23C	2013	06			I5H, I6H, 013H* 014H*C15H
	2J27B	2J14B	2013	59			I5H, I6H, 013H* 014H*015H
	7J15C	7J09C	2013	49			I5H, I6H, 013H* 014H*C15H
	7J15D	7J14D	2013	49			I5H, I6H, 013H* 014H*C15H
	3J23A	3J03E	2030	41			I9L, 011L, 010H, I12H, I13H, I14H, I15H, I5L*I6L* I7L*I8L*I9L
	2J12F	2J16F	2070	56, 57			I9L, 015L, I10H, 014H
	7J16E	7J19E	2070	10, 49, 50, 54			I7L, 011L, I5H, 013H
	7J30E	7J28E	2060	07, 52			015L, I11H, I12H, 013H, I5L*I6L* I7L
	7J21D	7J20D	2013	37			I8L, 010L*011L* 012L
	7J17G	7J13G	2050	49, 51			I11L, I15L, 010H, I11L*I12L, I13L*

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	7J12A	7J14A	2900	50			I14L*I15L I9H,013H*015L, 013H
	7J02B	7J19B	2060	22,23,49			013L,I5H,I6H, I7H
	7J02F	7J03F	2060	53			014L,I8H,I9H, I10H
	7J15B	7J19B	2060	50			013L,I5H,I6H, I7H
	7J16F	7J15F	2060	28,49			013L,I5H,I6H, I7H
	7J16B	7J19B	2060	50			I12L,015H,I11L* I12L
	3J12A	3J14A	2070	03,07,09,53			I9L,014H
	3J20E	3J18E	2070	45			I7L,013H
	3J23G	3J20G	2070	14,41,44,46			I10L,015H
	7J31E	7J29E	2070	07			I5L,011H
	3J16C	3J33C	2050	48,53			010L,I11H,I12H
	7J18B	7J19A	2030	53			I7L,010H,I5L* I6L*I7L*I8L*I9L
	3J09C	3J04C	2060	53,30			014H,I8L*I9L* I10L
	7J18C	7J02C	2030	49,107			I15L
000513	000524 7J09E	000000 7J31D	000000 2013	000000 14	000000	X002 I5L	49
000513	000524 4J27E	000000 4J26E	000000 2920	000000 91	000000	X004 I5H,I6H,I7H	50
000513	000524 7J14E	000000 7J12E	000000 2000	000000 51	000000	X010 I15L,I7H,I8H, 013H*014L,013H	51
000513	000524 8J19D	000000 8J18D	000000 2013	000000 25	000000	X026 010L*011L*012L	52
000513	000524 2J17D	000000 2J16D	000000 2930	000000 61,62	000151	X002 I14L,I9H,I5L* I14L,013H*015L, I7L*I14L,013H	53
	2J17C	2J16C	2050	56,57		09L,I11L,I13L, I7H,I8H,010H, I11L*I12L,I13L* I14L*I15L	
	7J15F	7J04F	2060	51		014L,I8H,I9H, I10H	
	2J19A	2J18A	2060	60		I5L,013H,I5L*	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO FAULT	SYMPTOM
	2J20A	2J14A	2070	56,58,60		16L*I7L 013L, I7H	
000513	000524 7J14C	000000 7J12C	000000 2000	000000 51	000151	X022	54 I15L, I7H, I8H, 013H*014L, 013H
	3J21B	3J17B	2060	44			I10L, 014H, I8L* I9L*I10L
	7J10F	7J08F	2000	104			I7H, I8H
000513	000524 8J02A	000000 8J11B	000000 2060	000000 21,25,54	000575	X006	55 I12L
000513	000524 8J15B	000000 8J14B	000000 2000	000000 114	600513	X022	56 I15L, I5H, I6H, 013H*014L, 013H
	7J10F	7J08F	2000	104			I15L, 013H*014L, 013H
000513	000524 3J22D	000000 3J20D	000000 2013	000000 41,42	700002	X026	57 I7L
000513	000524 4J21F	000000 4J24F	000000 2070	000002 94	000000	X026	58 I6L
	4J22G	4J21G	2050	94			I5H
	4J23G	4J24G	2050	94			I15H
000513	000524 4J24F	000000 4J26F	000000 2070	000200 94	000000	X026	59 I10L, 015H
	4J20G	4J13G	2050	94			I11H, I12H
	4J21F	4J26F	2070	94			012H
	4J23G	4J22G	2050	94			I13H
000513	000524 4J22G	000000 4J21G	000000 2050	020000 94	000000	X026	60 09L, I6H
	4J15A	4J14A	2000	85			I10L
	4J23G	4J24G	2050	94			I14H
000513	000526 4J32A	000000 4J30A	000000 2900	000000 89	000000	X026	61 I9L
	4J33A	4J34A	2900	102			I9L
000513	000526 3J21D	000000 3J17D	000000 2060	000001 44	000151	X003	62 014H, I8L*I9L* I10L
000513	000526 4J08D	000000 4J07D	000000 2013	000006 17,26	000151	X003	63 I7L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO FAULT	SYMPTOM FAULT
000513	00052E 3J33B	000000 3J32B	000076 2920	000151 03	X003	64 18H, 19H, 110H	
000513	00052E 2J05B	000000 2J04B	000076 2020	000151 69A	X023	65 114L	
000513	00052E 3J26A	000000 3J25A	777777 2013	000000 14	X002	66 18L, 010L*011L* 012L	
000513	00052E 3J22E	000003 3J13E	000000 2013	000000 41, 43	X000	67 010L*011L*012L	
000513	00052E 3J14D	063243 3J15D	000000 2930	000000 10, 11	X000	68 013H	
000513	00052E 3J14D	063407 3J15D	000000 2930	000000 10, 11	X000	69 013H*015L	
000513	00052E 3J14D	064107 3J15D	000000 2930	000000 10, 11	X000	70 19H	
000513	00052E 3J22G	777777 3J25G	000050 2013	000151 42	X003	71 013L*014L*015L	
000513	00052E 7J05C 3J25C	777777 7J04C 3J29C	777777 2020 2013	000151 28 43	X003	72 011H*012L 013H	
000516	000517 3J16E	XXXXXX 3J10E	XXXXXX 2060	000000 48	X006	73 014L, 18H, 19H, 110H	
000516	000517 3J17E	XXXXXX 3J03E	XXXXXX 2030	000000 48	X026	74 010H, 011H, 15L* 16L*17L*18L*19L, 112L*113L*114L	
000516	000517 4J26F 4J14B 4J26G 4J27G	XXXXXX 4J24F 4J15B 4J25G 4J34G	XXXXXX 2070 2000 2050 2050	000000 91, 94, 100 85 94 91, 94	X027	75 014L, 19H 19H, 110H 15L, 18L 112L, 113L	
000516	000517 8J17A	XXXXXX 8J15A	XXXXXX 2000	000001 115	X026	76 19L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	AU SWAP	AL TYPE	CE PLATE	CHANO	SYMPTOM FAULT
000516	000517	XXXXXX	XXXXXX	000151	X007	77/
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
	8J13B	8J07B	2050	118		I6L, I2L, 09L, 010L, 111L, I12L, I13L, I14L, I15L, I5H, I6H, I7H, I8H, 010H, I11H, I12H, I13H, I14H, I15H, I11L*I12L, I13L* I14L*I15L
	8J11B	8J16B	2060	118		I6L, I9L, 013L, 014L, I5H, I6H, I7H, I2H, I9H, I10H, C13H, 014H, 015H, I5L*I6L* I7L, I8L*I9L* I10L, I11L*I12L
	8J12B	8J25B	2070	118, 119		I5L, I6L, I9L, 013L, 014L, I7H, I9H, 011H, 012H, 014H
	8J13C	8J07C	2050	118, 119		I5L, I6L, I7L, I8L, I11L, I12L, I13L, I14L, I15L, 09H, 010H, I5L*I6L, I7L*I2L, I11L* I12L, I13L*I14L* I15L
	8J12F	8J06L	2070	107, 119, 120		I6L, I7L, I9L, I10L, C12H, 013H, 014H, C15H
	4J16D	4J15D	2013	18		I9L, I7H, I8H, I9H, 010H*C11H*012H
	8J35C	8J34C	3780	129		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	4J17G	4J14A	2000	68		I6L, I11L, I15H, 013L*C14H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J18G	4J14A	2000	68		I6L, I11L, I15H, 013L*C14H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	3J22G	3J25G	2013	42		I5L, I5H, I6H, 013H*C14H*015H

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	4J32D	4J33D	2013	19,21			I7H, I8H, I9H, 010H*011H*012H
	4J34D	4J33D	2013	19,21			I7H, I8H, I9H, 010H*011H*012H
	4J05G	4J06G	2040	108			I5L, I7L, I9L, I11L, I14L, I13H, I14H, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	4J07G	4J06G	2040	108			I5L, I7L, I9L, I11L, I14L, I13H, I14H, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	8J11C	8J07C	2050	118			I6L, I7L, I12L, I13L, 09H, 010H, I5L*I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L
	3J21A	3J19A	2160	44			014L, 015L, I5H, I6H, I7H, I8H, I9H, I10H, I11H, I12H, I13H
	4J30F	4J29F	2900	99			I5H, I14H, 06H* 08L, 013H*015L, 06H, 013H
	4J32C	4J30C	2900	89			I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	8J12A	7J18E	2920	118			I5L, I8L, I12L, 015L, I8H, I9H, I10H, I11H, I12H, I13H, I14H, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	8J12C	7J18E	2920	118			I5L, I8L, I12L, 015L, I8H, I9H, I10H, I11H, I12H, I13H, I14H, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	3J17G	3J05G	2060	47			I12L, 014L, I8H, I9H, I10H, 015H, I11L*I12L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	3J12E	3J24E	2900	29			I14L, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H
	8J25D	8J26D	3680	124			06L, 06H, 07H, 08H, 09H
	8J33A	8J31B	3780	130			I10L, I10H, I11H, I10L*I11L
	3J25C	3J22C	2013	43, 15			I5H, I6H, 013H* 014H*015H
	3J25F	3J23F	2013	16			I5H, I6H, 013H* 014H*015H
	4J30D	4J29D	2013	20			I5H, I6H, 013H* 014H*015H
	3J12B	3J09B	2020	27			I13H, I14H, I15H, 011L*012H, I5L* I6L*I7L, I8L*I9L* I10L, 012H
	3J08B	3J16B	2060	23, 47, 19			I9L, 015L, I11H, I12H, 014H, I8L* I9L*I10L
	8J11E	8J04D	2060	119			013H, 014H, 015H, I5L*I6L*I7L, I8L* I9L*I10L, I11L* I12L
	8J28A	8J29A	3640	122			I7L, 012L, I5H, 013H
	3J04D	3J13D	2070	20, 07, 18			I6L, I9L, 012H, 014H
	3J20E	3J18E	2070	45			I6L, I9L, 012H, 014H
	8J29D	8J26D	3680	124			06H, 07H, 08H, 09H
	8J14C	8J13D	2050	119			09L, 010L, I5H, I6H, I11H, I12H
	8J14D	8J13D	2050	119			09L, 010L, I5H, I6H, I11H, I12H
	8J14E	8J07E	2050	119, 120			09L, 010L, I5H, I6H, I11H, I12H
	8J14F	8J11F	2050	120			09L, 010L, I5H, I6H, I11H, I12H
	8J14G	8J09G	2050	120			09L, 010L, I5H, I6H, I11H, I12H
	8J34A	8J31B	3780	130			I10L, I11H, I10L* I11L
	4J14E	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J14F	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	4J146	4J14A	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J15C	4J16C	2000	85			I15L, I7H, I8H, 013H*014L, 013H
	4J15E	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J15F	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J156	4J14A	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J16E	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J16F	4J19C	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J16G	4J14A	2000	86			I15L, I7H, I8H, 013H*014L, 013H
	4J31C	4J12C	2030	97			I13L, I15L, 010H, 011H, I5L*I6L* I7L*I8L*I9L, I12L*I13L*I14L
	7J096	7J03G	2070	36, 53			I6L, 011L, 012H
	8J11D	7J18E	2920	119			015L, I8H, I9H, I10H, I11H, I12H, I13H, I14H
	4J28C	4J02C	2900	97			I12H, 06H*08L, 06H
	4J29C	4J30C	2900	97			I12H, 06H*08L, 06H
	8J08A	8J09A	2900	118			I12H, 06H*08L, 06H
	8J08B	8J09A	2900	118			I9H, 013H*015L, 013H
	3J04E	3J02E	2060	20			014L, I8H, I9H, I10H
	3J06A	3J11A	2060	19, 3E			I12L, 015L, I11H, I12H
	8J11G	8J02A	2060	107, 120			014H, 015H, I8L* I9L*I10L, I11L* I12L
	8J29B	8J16B	2060	122			014L, I8H, I9H, I10H
	8J17C	8J15C	2000	110			I7L, I12L, I7H, I8H
	8J18E	8J15B	2000	115			I5L, I8L, I7H, I8H
	8J19E	8J15C	2000	115			I7H, I8H, I9H, I10H
	3J02D	3J31D	2050	16, 25			010L, I13H, I14H, I15H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	AL TYPE	CE PLATE	CHAND	SYMPTOM FAULT
	4J20B	4J12B		2050	96		I5L, I8L, I11L, I14L
	4J21B	4J22B		2050	96		I5L, I8L, I11L, I14L
	4J26B	4J25B		2050	96		I5L, I8L, I11L, I14L
	4J26D	4J25D		2050	95		I5L, I8L, I11L, I14L
	8J06C	8J03C		2050	80		I12L, O10H, I11L* I12L, I13L* I14L* I15L
	3J19C	3J18C		2060	45		O15L, I11H, I12H
	3J19F	3J20F		2060	46		O15L, I11H, I12H
	3J21E	3J19E		2060	44		I7L, O13H, I5L* I6L* I7L
	3J27C	3J26C		2060	14		O15L, I11H, I12H
	4J31G	4J12G		2060	19, 30		I12L, O15H, I11L* I12L
	7J08G	7J07G		2000	111		I6L, I7H, I8H
	3J06C	3J03C		2070	17, 38, 19		I10L, O15H
	3J17A	3J14A		2070	47, 48		I6L, O12H
	3J18D	3J16D		2070	47		I9L, O14H
	3J20G	3J16G		2070	8, 45		I5L, O11H
	8J06B	8J02B		2070	79, 80		I6L, O12H
	4J28G	4J02G		2900	99		O13H* O15L, O13H
	8J15G	8J03G		2050	24, 120		O9L, I5H, I6H
	3J20A	3J22B		2080	44, 45		I13L, O9H, I10L* I11L* I12L* I13L* I14L* I15L
	4J35B	4J35C		2220	29		O15L, I12H, I13H
	3J20D	3J19D		2013	45		I8L
	3J22E	3J13E		2013	41, 43		I9L
	8J17D	8J16D		2013	25		I9L
	8J24H	8J32A		2013	122		O13H* O14H* O15H
	8J31A	8J16A		2013	122		O10L* O11L* O12L
	3J04F	3J07F		2920	18		I7L, O15H, I5L* I6L* I7L, I8L* I9L* I10L
	3J07B	3J02B		2060	23, 19		I11L, I12L
	3J16A	3J13A		2060	48, 28		O13H, I5L* I6L* I7L
	3J17B	3J16B		2060	47		O14H, I8L* I9L* I10L
	3J18F	3J13F		2060	47		I5L, I6L
	3J18G	3J21G		2060	08, 46,		I11L, I12L
	3J03G	3J06G		2040	18		O15L, I11H, I12H
	4J14C	4J16C		2000	85		I7H, I8H
	4J15B	4J14B		2000	85		I7H, I8H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	4J16B	4J17B		2000	85			17H, 18H
	7J06G	7J07G		2000	111			17H, 18H
	7J08E	7J07E		2000	112			16L, 19L
	7J10F	7J08F		2000	104			15H, 16H
	7J11F	7J12F		2000	104			15H, 16H
	8J17B	8J15B		2000	115			15L, 18L
	8J18E	8J15F		2000	116			18L, 19L
	3J11F	3J10F		2050	29			112L, 113L
	3J12G	3J10G		2050	29			111L, 114L
	4J20D	4J22D		2050	95			111L, 114L
	4J21D	4J22D		2050	95			111L, 114L
	8J13A	8J11A		2050	118			15L, 17L
	8J31C	8J34C		3780	130			110L
	8J31D	8J33D		3780	129			110L
	8J32B	8J31B		3780	130			110L
	8J32C	8J34C		3780	129			110L
	8J32D	8J33D		3780	129			110L
	8J33B	8J31B		3780	130			110L
	8J33C	8J34C		3780	129			110L
	8J34B	8J31B		3780	130			110L
	8J35A	8J31B		3780	130			110L
	8J35B	8J31B		3780	130			110L
	3J06D	3J07D		2920	24			15H, 16H, 17H
	3J13G	3J07G		2920	35			18H, 19H, 110H
	3J14B	3J15B		2930	10, 11			112L
	8J30A	8J05A		2070	122			012H
	3J24F	3J28F		2900	40			19H
	3J05A	3J04A		2040	19			113H, 114H
	3J05E	3J09D		2040	17			15H, 16H
	4J05F	4J08E		2040	108			113H, 114H
	4J06E	4J05E		2040	109			113H, 114H
	4J06F	4J08E		2040	108			113H, 114H
	4J07E	4J08E		2040	109			113H, 114H
	4J07F	4J08E		2040	108			113H, 114H
	4J08F	4J06G		2040	82			17H, 18H
	4J08G	4J06G		2040	82			17H, 18H
	4J09E	4J08E		2040	83			17H, 18H
	4J09F	4J06G		2040	82			17H, 18H
	4J10E	4J08E		2040	83			17H, 18H
	4J10F	4J06G		2040	82			17H, 18H
	4J10G	4J06G		2040	82			17H, 18H
	8J20E	8J22E		3850	131			015H
	3J04C	3J02C		2060	20			013H
	3J06B	3J02B		2060	17			17L
	3J15G	3J05G		2060	55, 35, 34			18L
	3J17D	3J08D		2060	47			19L
	3J18A	3J13A		2060	47			16L
	3J19G	3J21G		2060	46			17L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	3J21D	3J23D	2060	44			I8L
	3J23B	3J21B	2060	41			I5L
	3J27A	3J02B	2060	13,25,33			I7L
	4J31D	4J04C	2060	20,21			I5L
	4J17C	4J16C	2000	87			I6L
	4J17E	4J19C	2000	88			I6L
	4J17F	4J14A	2000	88			I6L
	4J18B	4J17B	2000	87			I6L
	4J18C	4J19C	2000	87			I6L
	4J18E	4J19C	2000	88			I6L
	4J18F	4J14A	2000	88			I6L
	4J19B	4J17B	2000	87			I6L
	4J19E	4J19C	2000	88			I6L
	4J19F	4J14A	2000	88			I6L
	4J19G	4J14A	2000	88			I6L
	7J06E	7J07E	2000	112			I6L
	7J06F	7J08F	2000	111			I6L
	7J07F	7J08F	2000	111			I6L
	7J11G	7J10G	2000	104			I9L
	8J16E	8J15E	2000	114			I11L
	8J17E	8J15E	2000	116			I8L
	8J17F	8J15F	2000	117			I6L
	8J17G	8J15F	2000	117			I8L
	8J18C	8J15C	2000	116			I8L
	8J18F	8J15F	2000	117			I8L
	8J18G	8J15F	2000	117			I8L
	8J19C	8J15E	2000	116			I8L
	8J19E	8J15F	2000	116			I8L
	8J19F	8J15F	2000	117			I8L
	8J19G	8J15F	2000	117			I8L
	3J30A	3J29A	2020	13			I14L
	7J21G	7J20G	2020	36			I6L
	3J19B	3J18B	2050	47,46			I5L
	7J02C	7J18B	2030	23,30			I9L
	7J18C	7J28D	2030	49,107			I6L
	3J05B	3J22B	2080	19			I11L
	3J05F	3J09D	2040	17			I10L
	3J29G	3J26G	2040	12			I12L
	4J09G	4J06G	2040	82			I5L
	3J03D	3J07D	2920	20			I6L
	3J07A	3J02A	2920	23			I11L
	3J07C	3J05C	2920	24			I10L
	3J09A	3J03B	2920	23			I8L
	3J11E	3J08E	2920	29			I13L
	8J12E	7J18E	2920	119			O15L
	8J12G	9J15A	2920	120			O15L
	8J13E	9J15A	2920	119			O15L
	8J13F	9J15A	2920	120			O15L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM	SWAP	AU	TYPE	AL	PLATE	CE	CHANO	SYMPTOM FAULT
	8J13G		9J15A		2920		120			015L
000516		000517		XXXXXX		XXXXXX		000151	X027	78
	4J14B		4J15B		2000		85			115L, 15H, 16H, 013H*014L, 013H
	7J12F		7J11F		2000		104			115L, 17H, 18H, 013H*014L, 013H
	4J27G		4J34G		2050		91, 94			111L, 114L, 010H, 111L*112L, 113L* 114L*115L
	4J34B		4J33B		2900		102			19H, 013H*015L, 013H
	4J24F		4J21F		2070		94			011L, 15H
	4J26G		4J25G		2050		94			17H, 18H
	7J18C		7J02C		2030		49, 107			18L
	4J08F		4J07F		2040		82			110L
000516		000517		XXXXXX		XXXXXX		000151	X247	79
	7J07A		7J06A		2000		113			19L
000516		000517		XXXXXX		XXXXXX		001060	X027	80
	8J25A		3J35A		2120		122			013L
000516		000517		000000		XXXXXX		000000	X000	81
	8J07A		8J11A		2050		79			16L, 112L, 09H, 010H, 15L*16L, 17L*18L, 111L* 112L, 113L*114L* 115L
	8J06A		8J03A		2050		79			16L, 09H, 15L*16L, 17L*18L
	8J17B		8J15B		2000		115			17L, 112L
	8J18A		8J17A		2000		115			17L, 112L
	8J19A		8J24A		2000		115			17L, 112L
000516		000517		000000		XXXXXX		000000	X004	82
	4J16B		4J15B		2000		85			15L, 17L, 111L, 115H, 013L*014H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 014H 010L
	4J25G		4J24G		2050		94			010L
000516		000517		000000		XXXXXX		000000	X006	83
	4J09G		4J08G		2040		82			015L, 19H, 110H
	3J16F		3J03F		2030		48			010H, 15L*16L* 17L*18L*19L
	4J15A		4J14A		2000		85			16L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	AU SWAP	AL TYPE	CE PLATE	CHANO	SYMPTOM FAULT
000516	000517	000000	XXXXXX	000000	X007	84
	7J04D	7J03D	2013	23,106		013L*014L*015L
	3J06E	3J04E	2060	24,19		I6L
	4J16A	4J15A	2000	85		I9L
	7J03A	7J21A	2020	106		I8L
000516	000517	000000	XXXXXX	000000	X026	85
	4J15A	4J14A	2000	85		I9L
000516	000517	000000	XXXXXX	000000	X027	86
	3J07E	3J08E	2920	24		I6L,I12L
000516	000517	000000	XXXXXX	000002	X006	87
	4J09F	4J08F	2040	82		I11L
000516	000517	000000	XXXXXX	000050	X027	88
	8J10C	8J10B	2040	106		I12L,I13L
000516	000517	000000	XXXXXX	000054	X027	89
	3J29D	3J27D	2013	12,13		010L*011L*012L
000516	000517	000000	XXXXXX	000147	X027	90
	4J14G	4J15G	2000	86		I5L,I6L,I7L,I9L, I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	4J26B	4J25B	2050	96		I6L,I7L,09H,I5L* I6L,I7L*I8L
	4J23A	4J22A	2920	96		I6L,I9L,I13L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	4J26A	4J24A	2070	98,93,96		015L,I10H
	4J27B	4J13C	2050	93,96		010L,I11H,I12H
	4J08A	4J07A	2040	84		015L
000516	000517	000000	XXXXXX	000147	X267	91
	4J26B	4J25B	2050	96		I12L,I13L,010H, I11L*I12L,I13L* I14L*I15L
	3J04D	3J13D	2070	20,07,18		015L,I10H
	4J21A	4J04A	2070	96		015L,I10H
000516	000517	000000	XXXXXX	000151	X003	92

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	AL TYPE	CE PLATE	CHAND FAULT	SYMPTOM
	3J23C	3J21C		2060	41,44	I5L	
	4J14A	4J15A		2000	85	I6L	
	3J16F	3J03F		2030	48	I15L	
000516	000517	000000	XXXXXX	000151	X006	93	
	2J09D	2J27D	2013	58		I7H, I8H, I9H, 010H*011H*012H	
	2J03A	2J16A	2013	68		I5H, I6H, 013H* 014H*015H	
	2J06D	2J05D	2900	68		I12H, 06H*08L, 06H	
	2J10D	2J21D	2060	58,68		I9L, I10L, 014H, I8L*I9L*I10L	
000516	000517	000000	XXXXXX	000151	X007	94	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	8J12D	8J09D	2013	27		I7L, I5H, I6H, 010L*011L*012L, 013H*014H*015H	
	8J35D	8J34D	3780	129		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L	
	2J03D	2J08D	2020	70		I13L, I5H, I6H, I7H, I13H, I14H, I15H, 011H*012L, I13L*I14L*I15L, 011H	
	3J25E	3J23E	2013	16		I7H, I8H, I9H, 010H*011H*012H	
	4J28D	4J19D	2013	20		I7H, I8H, I9H, 010H*011H*012H	
	4J29D	4J30D	2013	20		I7H, I8H, I9H, 010H*011H*012H	
	8J16C	8J24B	2013	24,25		I9L, I5H, I6H, 013H*014H*015H	
	8J11A	8J07A	2050	118		I5L, I8L, I12L, I13L, 09H, 010H, I5L*I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L	
	3J12D	3J24D	2900	29		I9L, I11L, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 015H	
	3J08C	3J20A	2080	22		09L, 05H, I10H, I11H, I12H, I13H, I14H, I15H, I6L* I7L*I8L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	3J19A	3J21A		2160	44			015L, 16H, 17H, 18H, 19H, 110H, 111H, 112H, 113H
	2J05C	2J04C		2130	68			19L, 19H, 110H, 19L*110L*111L
	3J22C	3J25C		2013	41, 42			15L, 16L, 18L
	3J25D	3J27D		2013	16			15H, 16H, 013H* 014H*015H
	8J18D	8J17D		2013	25			15H, 16H, 013H* 014H*015H
	2J04D	2J08D		2020	70			114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H
	3J17F	3J16F		2030	47, 48			011L, 113L, 011H, 112H, 113H, 114H, 115H, 112L*113L* 114L
	3J22B	3J05B		2080	41			16L, 09L, 110H, 111H, 112H, 113H, 114H, 115H
	8J13A	8J03B		2050	118			16L, 18L, 112L, 115L, 09H, 15L* 16L, 17L*18L
	2J30G	2J35D		2930	69A, 70			112H, 15L*114L, 08L*06H, 06H
	2J02D	2J12D		2070	65A, 70			17L, 013L, 17H, 013H
	3J06D	3J07D		2920	24			113L, 015L, 18H, 19H, 110H, 111H, 112H, 113H, 114H
	3J23A	3J03E		2030	41			010L, 15H, 16H, 17H, 18H, 19H
	3J31D	3J02D		2050	29, 03			15L, 17L, 09H, 15L* 16L, 17L*18L
	8J15G	8J14G		2050	24, 120			111L, 113L, 010H, 111L*112L, 113L* 114L*115L
	4J30G	4J32G		2900	99			110L, 111L, 112L
	3J13F	3J06F		2060	29, 28			013L, 15H, 16H, 17H
	3J18F	3J19F		2060	47			014L, 18H, 19H, 110H
	4J31D	4J04C		2060	20, 21			18L, 19L, 014H, 18L*19L*110L
	7J09D	7J16D		2060	28, 51, 53			013L, 15H, 16H, 17H
	3J03F	3J16F		2030	20			011L, 112H, 113H,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	8J17A	8J15A	2000	115			I14H, I15H I7H, I8H, I9H, I10H
	8J34C	8J33C	3780	129			I10L, I9L* I8L
	3J04E	3J02E	2060	20			I12L, 015H, I11L* I12L
	3J17C	3J09C	2060	48			I7L, 013H, I5L* I6L* I7L
	3J17D	3J08D	2060	47			I6L, 013H, I5L* I6L* I7L
	3J19G	3J21G	2060	46			I6L, 013H, I5L* I6L* I7L
	3J21B	3J17B	2060	44			I11L, 015H, I11L* I12L
	3J21C	3J20C	2060	44			I11L, 015H, I11L* I12L
	3J21E	3J19E	2060	44			I8L, C14H, I8L* I9L* I10L
	3J26D	3J23D	2060	16			I9L, C14H, I8L* I9L* I10L
	3J28G	3J21G	2060	12, 48			015L, I11H, I12H
	8J11B	8J16B	2060	118			015L, I11H, I12H
	2J25D	2J12D	2070	61, 64			I6L, 012H
	3J12A	3J14A	2070	03, 07, 09, 53			011L, I5H
	3J18D	3J16D	2070	47			012L, I6H
	4J13D	4J12D	2070	20, 101			I6L, 012H
	7J09G	7J03G	2070	36, 53			I10L, 015H
	8J02B	8J06B	2070	24, 25			I10L, 015H
	8J06G	8J02G	2070	81			012L, I6H
	8J12B	8J06B	2070	118, 119			015L, I10H
	4J28G	4J02G	2900	99			I9L, I12L
	4J29G	4J02G	2900	99			I9L, I12L
	4J30F	4J32F	2900	99			I9L, I12L
	3J02G	3J10G	2050	18			010L, I11H, I12H
	7J09A	7J13A	2050	107			09L, I7H, I8H
	8J20E	8J20F	3850	131			013L, 014L
	8J22E	8J20F	3850	131			015L, 013H
	8J22F	8J20F	3850	131			013L, 015L
	2J23C	2J01C	2013	06			013H*014H*015H
	3J22D	3J20D	2013	41, 42			I6L
	3J22G	3J25G	2013	42			I6L
	3J03B	3J04B	2920	20			015L, I8H, I9H, I10H
	3J04C	3J02C	2060	20			015H, I11L* I12L
	3J05D	3J08D	2060	38			015H, I11L* I12L
	3J07E	3J06B	2060	23, 19			015H, I11L* I12L
	3J18C	3J09C	2060	47			013H, I5L* I6L* I7L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	3J16G	3J17G	2060	08,46,			015H, I11L*I12L
	3J21D	3J23D	2060	44			I6L, I9L
	3J23B	3J17B	2060	41			I8L, I12L
	4J05E	4J09E	2040	109			015L, I13H, I14H
	8J10B	8J10C	2040	106			I10L, I11L, I14L
	7J10G	7J11G	2000	104			I5H, I6H
	8J17B	8J15B	2000	115			I6L, I10L
	8J17C	8J15C	2000	116			I6L, I10L
	8J18A	8J15A	2000	115			I7H, I6H
	8J18B	8J19B	2000	115			I6L, I10L
	8J19A	8J24A	2000	115			I6L, I10L
	8J19C	8J18C	2000	116			I6L, I10L
	2J20C	2J19C	2050	57			I13H, I14H
	8J31D	8J34D	3780	129			I9L*I8L
	8J32C	8J31C	3780	129			I9L*I8L
	8J32D	8J34D	3780	129			I9L*I8L
	8J33D	8J34D	3780	129			I9L*I8L
	7J18C	7J02C	2030	49,107			010H, I5L*I6L* I7L*I8L*I9L
	8J21A	8J20A	3771	132			I10L
	2J18D	2J17D	2930	61,62			I7H
	3J24G	3J28F	2900	40			I10L
	4J29F	4J28F	2900	100,99			I12L
	4J08E	4J09E	2040	83			I7H, I6H
	2J23D	2J24D	2090	61			I5H
	3J03D	3J07D	2920	20			I5L, I10L
	3J07C	3J05C	2920	24			I6L, I12L
	3J09A	3J07A	2920	23			I7L, I12L
	4J20C	4J22C	2920	95			I8L, I12L
	2J26C	2J21C	2060	57,62			I11L*I12L
	3J05G	3J15G	2060	17,18			I12L
	3J19C	3J20C	2060	45			I7L
	3J24B	3J31B	2060	41,15			I7L
	3J26C	3J23C	2060	22,35			I7L
	7J06E	7J10E	2000	112			I8L
	7J06F	7J10F	2000	111			I8L
	7J07E	7J10E	2000	112			I8L
	7J07F	7J10F	2000	111			I8L
	7J08E	7J10E	2000	112			I8L
	7J08F	7J10F	2000	111			I8L
	7J08G	7J07G	2000	111			I8L
	8J16F	8J02F	2020	107			I6L
	2J22D	2J34D	2030	61			I7L
	8J04G	7J16G	2080	40,107			I10L
	7J02A	7J12B	2160	22			I6L
	3J05E	3J09D	2040	17			I5L
	4J05F	4J08F	2040	108			015L
	4J05G	4J06G	2040	108			015L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	4J06E	4J09E	2040	109		015L	
	4J06F	4J08F	2040	108		015L	
	4J07E	4J09E	2040	109		015L	
	4J07F	4J08F	2040	108		015L	
	4J09G	4J08G	2040	82		I7L	
	8J10A	8J04A	2040	106		I5L	
	4J20A	4J13A	2920	96		I12L	
	4J20F	4J11F	2920	94		I12L	

000516	000517	000000	XXXXXX		000151	X027	95
	4J24G	4J23G	2050	94		I14L	

000516	000517	000000	XXXXXX		000151	X047	96
	4J20A	4J13A	2920	96		I8L	

000516	000517	000000	XXXXXX		340540	X006	97
	4J20G	4J13G	2050	94		I12L, I13L	

000516	000517	000000	XXXXXX		560533	X006	98
	4J22F	4J20F	2920	94		I6L, I8L	

000516	000517	000000	000000		000000	X000	99
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	7J23C	7J16C	2070	37, 49		011L, 012L, 013L, 014L, I5H, I6H, I7H, I9H	
	8J05A	8J30A	2070	79		012L, 013L, 014L, 015L, I6H, I7H, I9H, I10H	
	7J20D	7J19D	2013	37		I7H, I8H, I9H	
	7J15C	7J09C	2013	49		I5L, 013L*014L* 015L	
	7J15G	7J30F	2060	51		013L, I5H, I6H, I7H	
	7J21B	7J24B	2020	37		I6L, I13H, I14H, I15H	
	2J18C	2J21C	2060	59A		I5L, 013H, I5L* I6L*I7L	
	7J12A	7J17A	2900	50		I11L, I12L	
	7J14A	7J17A	2900	50		I9L, I11L	
	7J19A	7J18B	2030	37		I14L, 011H, I12L* I13L*I14L	
	3J25D	3J22D	2013	16		I6L	
	7J20C	7J14C	2000	37		I6L, I15H	
	7J16F	7J15F	2060	28, 49		I7L	
	7J14F	7J12F	2000	51		I8L	
	7J14G	7J12G	2000	51		I8L	
	7J21C	7J06E	2000	37		I6L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	7J20B	7J24B	2020	37		I6L	
	3J25B	3J26B	2013	15		010H	
	7J16E	7J31E	2070	49		011H	
	7J15D	7J13D	2013	49		013H	
	7J18C	7J02C	2030	49		011H	

000516	000517	000000	000000	000000	X004		100
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	8J15B	8J14B	2000	114		I6L, I7L, I9L, I11L, I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H	
	2J33E	2J33D	2020	61		I7L, I13H, I14H, I15H, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H	
	2J32C	2J27C	2013	60, 69A		I5H, I6H, 013H* 014H* 015H	
	2J11A	2J14A	2070	56, 57, 60, 66, 69A		I6L, 011L, I5H, 012H	
	8J18C	8J17C	2000	116		I15L, I11H, I12H, 013H* 014L, 013H	
	3J21B	3J17B	2060	44		014L, I8H, I9H, I10H	
	2J26A	2J21A	2060	60, 64		I11L, 015H, I11L* I12L	
	7J09D	7J16D	2060	28, 51, 53		015L, I11H, I12H	
	8J06B	8J02B	2070	79, 80		I7L, 013H	
	4J32B	4J30B	2900	102		I9L, I14L	
	8J06C	8J03C	2050	80		09L, I5H, I6H	
	8J15G	8J14G	2050	24, 120		010L, I11H, I12H	
	8J16C	8J24B	2013	24, 25		I6L	
	3J06D	3J03D	2920	24		015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L	
	3J02C	3J04C	2060	30, 15, 21		014H, I8L* I9L* I10L	
	7J03F	7J02F	2060	26, 35		013H, I5L* I6L* I7L	
	4J21G	4J20G	2050	94		I11H, I12H	
	4J25G	4J24G	2050	94		I11H, I12H	
	8J20C	8J21C	3771	132		I14L	
	3J24G	3J28F	2900	40		I12H	
	4J34B	4J33B	2900	102		I5L	
	4J16B	4J15B	2000	85		I10L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LGC	SWAP	AU	TYPE	AL PLATE	CE	CHANG	SYMPTOM FAULT
	7J10F	7J08F		2000	104			18L
	7J14C	7J12C		2000	51			18L
	7J20B	7J24B		2020	37			15L
	7J21B	7J24B		2020	37			15L
000516	000517	000000	000000	000000	000000	X005		101
	7J04F	7J03F		2060	51,134			I12L,015H,I11L* I12L
000516	000517	000000	000000	000000	000000	X006		102
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.								
	8J28B	8J26C		3621	122			I10L,15H,16H, I7H,19H,I10H, I11H,I5L*I6L* I7L,19H*I10H* I11H
	2J13F	2J14F		2013	58			15H,16H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	4J18D	4J17D		2013	19			15H,16H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	8J26B	8J29A		3640	122			15L,I7L,I11L, 012L,014L,15H, I9H,012H,013H; 015H
	7J09E	7J31D		2013	14			I9L,I7H,I8H,I9H, 010L*011L*012L, 010H*011H*012H
	8J23C	8J26C		3621	123			15L,I9H,I10H, I11H,I5L*I6L* I7L,I9H*I10H* I11H
	8J24C	8J26C		3621	123			15L,I9H,I10H, I11H,I5L*I6L* I7L,I9H*I10H* I11H
	8J28A	8J29A		3640	122			15L,I9L,I11L, 014L,I9H,012H, 014H,015H
	8J25B	8J12B		2070	122,107			15L,I6L,I9L, 011L,I5H,011H, 012H,014H
	7J17A	7J12A		2900	52			15L,I14L,06L* 08H,013L*015H, I7L*I5L*I14L,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
							I10L*I12L*I9L, 08H,015H I14L,I5H,06H* 08L,013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 06H,015H
	7J17C	7J26C	2900	52			
	8J31A	8J32A	2013	122			I5L,I7H,I8H,I9H, 010H*011H*012H
	8J15F	8J16E	2000	114			I5L,I7L,I9L, I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	8J30D	8J26D	3680	124			06L,07L,08L,09L, I10L*I11L*I14L, I11L*I13L*I14L, I12L*I10L*I14L, I12L*I13L*I14L
	8J29B	8J04D	2060	122			I6L,I9L,013L, I5H,I6H,I7H, 013H,014H,I5L* I6L*I7L,I8L*I9L* I10L
	8J32C	8J31D	3780	129			I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L,012H
	8J34C	8J31D	3780	129			I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
	8J28D	8J24D	3670	124			I11L,I10H,I11H, I12H,I13H,I14H, I15H,I10L*I11L* I12L
	7J07D	7J04D	2013	23			I8L,I5H,I6H, 013H*014H*015H
	7J15C	7J09C	2013	49			I7H,I8H,I9H, 010H*011H*012H
	8J15D	8J12D	2013	24			I7H,I8H,I9H, 010H*011H*012H
	8J16C	8J24B	2013	24,25			I7H,I8H,I9H, 010H*011H*012H
	8J17D	8J19D	2013	25			I7H,I8H,I9H, 010H*011H*012H
	8J18D	8J19D	2013	25			I7H,I8H,I9H, 010H*011H*012H
	8J30A	8J05A	2070	122			I5L,I7L,013L,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	8J22C	8J26C	3621	123			17H, 011H, 013H 19H, 110H, 111H, 19H*110H*111H
	3J08B	3J16B	2060	23, 47, 19			013L, 014L, 15H, 16H, 17H, 18H, 19H, 110H
	7J18G	7J18F	2030	53			18L, 010L, 15H, 16H, 17H, 18H, 19H, 010H, 15L*16L* 17L*18L*19L
	7J17E	7J15E	2060	52			013L, 015L, 15H, 16H, 17H, 111H, 112H
	7J14B	7J12A	2900	50			17L, 013L*015H, 17L*15L*114L, 110L*112L*19L, 015H
	7J17B	7J26C	2900	52			15L, 06L*08H, 17L* 15L*114L, 110L* 112L*19L, 08H
	3J26A	3J25A	2013	14			15H, 16H, 013H* 014H*015H
	7J12D	7J13D	2013	22			15H, 16H, 013H* 014H*015H
	8J20C	8J21C	3771	132			19H, 110H, 111H, 19L*110L*111L
	8J25C	8J26C	3621	123			15H, 16H, 17H
	3J06E	3J04E	2060	24, 19			111L, 15H, 16H, 17H, 15L*16L*17L, 111L*112L, 014H
	3J26C	3J23C	2060	22, 35			014L, 18H, 19H, 110H, 013H, 15L* 16L*17L
	8J27B	8J29A	3640	122			111L, 014L, 19H, 015H
	3J14E	3J15E	2930	10, 11			19H, 013H*015L, 17L*114L, 013H
	2J12D	2J02D	2070	57, 58, 65A			16L, 012L, 16H, 012H
	3J20G	3J23G	2070	8, 45			17L, 014L, 19H, 013H
	3J27B	3J20B	2070	14, 15			16L, 011L, 15H, 012H
	8J02B	8J06B	2070	24, 25			15L, 012L, 16H, 011H
	7J17D	7J22D	2060	52			16L, 013H, 014H, 15L*16L*17L, 18L* 19L*110L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	3J09A	3J07A		2920	23			I11L, I11H, I12H, I13H, I14H, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	7J06E	7J14E		2000	112			I15L, I5H, I6H, 013H*014L, 013H
	7J08E	7J14E		2000	112			I15L, I5H, I6H, 013H*014L, 013H
	8J27D	8J24D		3670	124			I10L, I13L, I10L* I11L*I12L, I13L* I14L*I15L
	2J01C	2J23C		2013	06			I5L, 013L*014L* 015L
	7J06D	7J04D		2013	23			I5L, 013L*014L* 015L
	7J11D	7J10D		2013	22			I8L, 010L*011L* 012L
	7J26D	7J25D		2013	07, 14			I7L, 010L*011L* 012L
	8J16A	8J32A		2013	25, 105			I5H, I6H
	7J13A	7J09A		2050	50			I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	3J07C	3J05C		2920	24			015L, I8H, I9H, I10H, I11H, I12H, I13H, I14H
	2J10D	2J21D		2060	58, 68			I5L, I6L, 013H, I5L*I6L*I7L
	7J16B	7J15B		2060	50			013L, I5H, I6H, I7H
	7J16D	7J09D		2060	49			I8L, I9L, 014H, I8L*I9L*I10L
	8J17C	8J15C		2000	116			I5H, I6H, I9H, I10H
	8J19C	8J15E		2000	116			I5H, I6H, I9H, I10H
	8J23D	8J24D		3670	124			I13L, I10L*I11L* I12L, I13L*I14L* I15L
	8J20F	*****		3850	131			013L, 014L, 015L
	8J22F	*****		3850	131			014L, 013H, 015H
	8J22G	*****		3850	131			013L, 014L, 015L
	3J02D	3J31D		2050	16, 25			I11L, I15L, I5H, I6H
	8J31B	8J34A		3780	130			I10L, I9L*I8L
	7J18E	4J03G		2920	52			I8L, I13L, 015H, I11L*I12L*I13L,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
							I5L*I6L*I7L,I8L* I9L*I10L
	3J16E	3J10E	2060	48			015L,I11H,I12H
	3J27C	3J05D	2060	14			I11L,015H,I11L* I12L
	7J02B	7J15B	2060	22,23,49			I12L,015H,I11L* I12L
	7J30E	7J28E	2060	07,52			I8L,014H,I8L* I9L*I10L
	8J16B	8J11B	2060	25			I12L,015H,I11L* I12L
	1J29E	1J25D	2070	57,58,67			I7L,013H
	2J11A	2J14A	2070	56,57,60,66,69A			012L,I6H
	3J08F	3J27F	2070	16,52,33,12			I10L,015H
	3J12C	3J06C	2070	47,11,30			I6L,012H
	3J16G	3J14G	2070	09,35,9,48			014L,I9H
	3J22F	3J27F	2070	41			015L,I10H
	7J03C	7J23C	2070	22,23			014L,I9H
	7J16C	7J23C	2070	50,51			015L,I10H
	7J16E	7J19E	2070	10,49,50,54			015L,I10H
	7J14A	7J12A	2900	50			06L*08H,08H
	7J13B	7J23B	2050	50			09L,I7H,I8H
	8J22E	*****	3850	131			013L,014L
	3J05B	3J22B	2080	19			I8L,05H,I6L*I7L* I8L
	3J25D	3J22D	2013	16			010L*011L*012L
	7J08D	7J10D	2013	23			I6L
	8J16D	8J12D	2013	24			I6L
	3J07B	3J06B	2060	23,19			013H,I5L*I6L* I7L
	3J08D	3J05D	2060	22			I7L,I10L
	7J15A	7J16A	2060	50			015H,I11L*I12L
	4J17B	4J16B	2000	87			I11H,I12H
	4J18C	4J17C	2000	87			I11H,I12H
	7J06G	7J08G	2000	111			I6L,I9L
	7J07C	7J14C	2000	112			I6L,I9L
	7J07E	7J14E	2000	112			I6L,I9L
	7J07G	7J08G	2000	111			I6L,I9L
	7J08F	7J07F	2000	111			I6L,I9L
	7J10E	7J14E	2000	104			I9H,I10H
	7J10G	7J08G	2000	104			I7L,I10L
	7J11G	7J12G	2000	104			I7L,I10L
	7J12E	7J14E	2000	105			I9H,I10H
	8J17A	8J15A	2000	115			I6L,I10L
	8J17E	8J16E	2000	116			I6L,I10L
	8J17F	8J18G	2000	117			I6L,I10L
	8J17G	8J18G	2000	117			I6L,I10L
	8J18A	8J19A	2000	115			I6L,I10L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM.
	8J18C	8J15C	2000	116		I6L, I10L	
	8J18E	8J16E	2000	116		I6L, I10L	
	8J18F	8J18G	2000	117		I6L, I10L	
	8J19B	8J18B	2000	115		I6L, I10L	
	8J19E	8J16E	2000	116		I6L, I10L	
	8J19F	8J18G	2000	117		I6L, I10L	
	3J16C	3J33C	2050	48, 53		I12L, I14L	
	8J30C	*****	3760	124		I5L, I5H	
	8J31C	8J31D	3780	130		I9L*I8L	
	8J32B	8J34A	3780	130		I9L*I8L	
	8J33B	8J34A	3780	130		I9L*I8L	
	8J33C	8J31D	3780	129		I9L*I8L	
	8J34B	8J34A	3780	130		I9L*I8L	
	8J34D	8J33D	3780	129		I9L*I8L	
	8J35A	8J34A	3780	130		I9L*I8L	
	8J35B	8J34A	3780	130		I9L*I8L	
	8J35C	8J31D	3780	129		I9L*I8L	
	8J35D	8J33D	3780	129		I9L*I8L	
	3J08G	3J30F	2030	18, 24		010H, I5L*I6L* I7L*I8L*I9L	
	3J15D	3J14D	2930	08, 09		I12L	
	3J03C	3J06C	2070	07, 11, 21, 18		013H	
	3J03G	3J06G	2040	18		I10L, I14L	
	4J08B	4J07B	2040	84		I9H, I10H	
	4J09B	4J07B	2040	84		I9H, I10H	
	4J10A	4J09A	2040	84		I9H, I10H	
	4J10B	4J05C	2040	84		I9H, I10H	
	8J25D	8J26D	3680	124		I12L*I13L*I14L	
	8J29D	8J26D	3680	124		I11L*I13L*I14L	
	8J20E	*****	3850	131		015L	
	8J20G	*****	3850	131		013L	
	3J21G	3J19G	2060	45		I6L	
	3J24B	3J23B	2060	41, 15		I6L	
	7J06A	7J07A	2000	113		I6L	
	7J06B	7J20A	2000	113		I6L	
	7J06C	7J14C	2000	112		I6L	
	7J07B	7J20A	2000	113		I6L	
	7J08B	7J20A	2000	113		I6L	
	7J08C	7J14C	2000	112		I6L	
	7J10A	7J08A	2000	105		I10L	
	7J10B	7J20A	2000	105		I10L	
	7J10C	7J14C	2000	105		I10L	
	7J11A	7J20A	2000	105		I10L	
	7J11B	7J20A	2000	105		I10L	
	7J11C	7J14C	2000	105		I10L	
	7J11E	7J14E	2000	104		I10L	
	7J12C	7J14C	2000	105		I10L	
	7J12F	7J11F	2000	104		I10L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	8J30B	*****	3760	124		15H	
	7J02A	7J12B	2160	22		I11L	
	1J30F	1J29F	2040	67		015L	
	3J07G	3J13G	2920	36		I10L	
	3J08E	3J07E	2920	22		I11L	
	4J23F	4J22F	2920	94		I5L	
	3J06A	3J11A	2060	19		015H	
	4J10D	4J12D	2070	82		014H	
	7J03B	7J22B	2070	22		011H	
	8J04B	8J07B	2050	111		010H	
	3J08A	3J24A	2050	23		010H	

000516	000517	000000	000000	000000	X007	103	
	8J23D	8J27D	3670	124		I14L, I10H, I11H, I12H, I13H, I14H, I15H	
	7J17C	7J26C	2900	52		I5L, I11L, 06L* 08H, 08H	
	7J16D	7J09D	2060	49		014L, I8H, I9H, I10H	
	8J24D	8J27D	3670	124		I10L, I13L	
	3J29D	3J27D	2013	12, 13		I7L	
	3J21G	3J05G	2060	45		014H	
	8J20A	8J21A	3771	132		I14L	
	8J29D	8J26D	3680	124		I12L*I13L*I14L	
	7J06C	7J07C	2000	112		I9L	

000516	000517	000000	000000	000000	X010	104	
	3J22A	3J15A	2013	13, 43		I5H, I6H, 013H* 014H*015H	
	3J24G	3J28F	2900	40		I9H, 013H*015L, 013H	
	8J06B	8J02B	2070	79, 80		I9L, 014H	

000516	000517	000000	000000	000000	X024	105	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
IF ISOLATION NOT SUCCESSFUL SEE SYMPTOM 111.							
	2J32C	2J27C	2013	60, 69A		I7H, I8H, I9H, 010H*011H*012H	
	3J26A	3J25A	2013	14		I7H, I8H, I9H, 010H*011H*012H	
	7J09C	7J15C	2013	14		I5L, I7L, 010L* 011L*012L, 013L* 014L*015L	
	2J14C	2J25C	2070	58		I10L, 014L, 015L, I9H, I10H, 015H	
	2J32D	2J31D	2930	61, 62		I10L, I10L*I12L, 013L*015H, I9L*	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	2J30G	2J35D	2930	69A,70			I10L,015H
	7J26B	7J20E	2930	34			I9L,013L*015H, I9L*I10L,015H
	2J34E	2J34D	2030	61			I9L,013L*015H, I9L*I10L,015H
	2J04B	2J02B	2020	69A			010L,15H,16H, 17H,18H,19H
	2J05B	2J28B	2020	69A			I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	7J23D	7J20E	2930	34			I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	2J01C	2J23C	2013	06			I10L*I12L,08H* 06L,08H
	2J01E	2J27D	2013	06			I7L,010L*011L* 012L
	2J16A	2J03A	2013	58			I5H,I6H
	3J27D	3J25D	2013	12			I5H,I6H
	2J08A	2J06A	2900	65A			I5H,I6H
	3J28B	3J30B	2900	12			I12H,06H*08L, 06H
	2J18A	2J10A	2060	59,69A,70			I12H,06H*08L, 06H
	2J03B	2J02B	2020	69A			013L,15H,16H, 17H
	2J13A	2J16C	2050	69A,70			I14L,011H*012L, I13L*I14L*I15L, 011H
	2J30C	2J29C	2050	57			I5L,09H,I5L*I6L, I7L*I8L
	2J07A	2J09A	2060	65A			010L,I13H,I14H, I15H
	3J27C	3J26C	2060	14			I7L,013H,I5L* I6L*I7L
	7J19B	7J16B	2060	53			I8L,014H,I8L* I9L*I10L
	7J19C	7J22C	2060	53			I5L,013H,I5L* I6L*I7L
	7J23E	7J17E	2060	35,49,54			I7L,013H,I5L* I6L*I7L
	2J12D	2J02D	2070	57,58,65A			I5L,013H,I5L* I6L*I7L
	2J12F	2J16F	2070	56,57			013L,17H
	2J20A	2J14A	2070	56,58,60			I5L,011H
	7J23C	7J16C	2070	37,49			I10L,015H
	7J28B	7J22B	2070	07,30,53			015L,I10H 011L,15H

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	2J04A	2J12A		2030	58,65A			I6L,010H,I5L* I6L*I7L*I8L*I9L
	2J02A	2J09A		2060	58,65A			I9L,I11L*I12L
	2J12C	2J11C		2130	68			I9L*I10L*I11L
	2J29A	2J24A		2090	61,62			010H
	2J31A	2J22A		2030	65A			I5L*I6L*I7L*I8L* I9L
	7J22D	7J09D		2060	49			014H

000516	000517	000000	000000	000000	000000	X026		106
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.								
	8J21A	8J22A		3771	132			I9H,I10H,I11H, I13H,I14H,I15H, I9L*I10L*I11L, I13L*I14L*I15L
	8J24D	8J27D		3670	124			I14L,I10H,I11H, I12H,I13H,I14H, I15H,I10L*I11L* I12L,I13L*I14L* I15L
	7J09C	7J15C		2013	14			I7H,I8H,I9H, 010H*011H*012H
	8J08D	8J07D		2013	21			I7H,I8H,I9H, 010H*011H*012H
	8J16F	8J02F		2020	107			I5L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	8J15A	8J14A		2000	114			I6L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	8J09D	8J12D		2013	21,25			I5H,I6H,013H* 014H*015H
	8J30A	8J05A		2070	122			011L,012L,I5H, I6H
	8J25D	8J26D		3680	124			08L,09L,I11L* I13L*I14L,I12L* I10L*I14L
	8J03D	8J02D		2013	06			I5L,013L*014L* 015L
	8J08C	8J08B		2900	119			I12H,06H*08L, 06H
	8J09C	8J08E		2900	119			I12H,06H*08L, 06H
	8J02A	8J11B		2060	21,25,54			I5L,I6L,013H,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
								I5L*I6L*I7L
	8J04G	7J16G	2080		40,107			05L,I6H,I7H,I8H
	8J27B	8J26B	3640		122			19L,014H
	3J13D	3J04D	2070		07,29,10			17L,013H
	3J14A	3J12A	2070		08,27,107			015L,I10H
	3J16G	3J14G	2070		09,35,9,48			011L,I5H
	8J18D	8J17D	2013		25			010L*011L*012L
	3J06E	3J04E	2060		24,19			I5L,I8L
	3J07B	3J06B	2060		23,19			014H,I8L*I9L*
								I10L
	3J07E	3J08E	2920		24			I5H,I6H,I7H
	3J16F	3J03F	2030		48			011H,I12L*I13L*
								I14L
	8J20A	8J22A	3771		132			I10L
	8J23A	8J22A	3771		132			I11L
	3J14B	3J15B	2930		10,11			I7L
	2J16F	2J12F	2070		58,60,69A			011L,I5H
	3J30E	3J28E	2900		13			I10L
	8J30D	8J29D	3680		124			09H
	8J23D	8J27D	3670		124			I10L
	3J02B	3J06B	2060		21,18			I10L
	7J10F	7J08F	2000		104			I5L
	7J11G	7J10G	2000		104			I8L
	8J18C	8J17C	2000		116			I9L
	8J19B	8J18B	2000		115			I9L
	8J19E	8J18E	2000		116			I9L
	8J19F	8J18F	2000		117			I9L
	3J17E	3J03E	2030		48			I15L
	4J34D	4J02D	2013		21			013H

000516	000517	000000	000000	000000	X027	107
3J20D	3J19D	2013		45		010L*011L*012L
8J16C	8J24B	2013		24,25		010L*011L*012L
8J18D	8J17D	2013		25		I7L
3J28F	3J24F	2900		12		I10L
8J10A	8J04A	2040		106		I12L,I13L
7J08A	7J07A	2000		113		I9L
8J06D	7J25F	2220		34,107		I11H
8J10B	8J03A	2040		106		015H

000516	000517	000000	000000	000000	X034	107A
2J27A	2J17A	2013		59,60		I5H,I6H,013H*
						014H*015H
7J31E	7J29E	2070		07		I6L,012H

000516	000517	000000	000000	000000	X206	108
7J16C	7J03C	2070		50,51		012L,16H
8J32A	8J31A	2013		122		010L*011L*012L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHANO	SYMPTOM
LOC	SWAP	TYPE	PLATE			FAULT
000516	000517	000000	000000	000000	X226	109
4J19G	4J18G	2000	88			I11H, I12H
000516	000517	000000	000000	000000	X606	110
7J15E	7J04E	2060	51,107			I6L, 013H, I5L* I6L*I7L
000516	000517	000000	000000	000000	X024	111
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
IF ISOLATION NOT SUCCESSFUL SEE SYMPTOM 105.						
1J06A	1J08B	2900	65			I9L, I12L, 06L* 08H, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 08H, 015H
1J08A	1J08B	2900	65			I9L, I12L, 06L* 08H, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 08H, 015H
2J06A	2J09B	2900	65A			I9L, I12L, 06L* 08H, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 08H, 015H
2J01C	2J23C	2013	06			I7H, I8H, I9H, 010H*011H*012H
2J16A	2J03A	2013	58			I7H, I8H, I9H, 010H*011H*012H
1J31A	1J22A	2030	65			010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
1J33A	1J32A	2030	65			010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
2J33A	2J32A	2030	65A			010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
3J29A	3J30A	2020	13			I5L, I8L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
2J10A	2J18A	2060	65, 65A			013L, 014L, I5H,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	AL TYPE	CE PLATE	CHANO	SYMPTOM FAULT
							I6H, I7H, I8H, I9H, I10H
	3J22A	3J15A		2013	13, 43		I7L, I8L, 010L* 011L*012L
	3J29C	3J25C		2013	13		I7H, I8H, I9H
	2J14A	2J20A		2070	65A, 66, 69		I5L, 013L, I7H, 011H
	2J05A	1J05A		2080	65A		09L, I10H, I11H, I12H, I13H, I14H, I15H
	2J08A	2J09B		2900	65A		I9L, 013L*015H, 015H
	7J27B	7J23B		2050	07, 34		I7L, 09H, I5L*I6L, I7L*I8L
	2J31A	2J22A		2030	65A		I12H, I13H, I14H, I15H
	2J07B	2J06B		2060	66		I5L, 013H, I5L* I6L*I7L
	2J09A	2J18A		2060	65A, 66, 69A		I9L, 014H, I8L* I9L*I10L
	7J22D	7J17D		2060	49		015L, I11H, I12H
	2J02D	2J12D		2070	65A, 70		I10L, 015H
	2J11A	2J20A		2070	56, 57, 60, 66, 69A		014L, I9H
	2J16F	2J12F		2070	58, 60, 69A		I10L, 015H
	3J14A	3J12A		2070	08, 27, 107		I6L, 012H
	2J08B	2J09B		2900	66		I12H, 06H*08L
	3J29B	3J19B		2050	13		010H, I11L*I12L, I13L*I14L*I15L
	7J02E	7J28C		2160	50		I10L, 015H, I6L* I7L*I8L*I9L* I10L*I11L*I12L* I13L
	2J02A	2J18A		2060	58, 65A		I12L
	2J07A	2J18A		2060	65A		I6L
	2J04A	2J22A		2030	58, 65A		I5L
	2J12A	2J22A		2030	66		I5L*I6L*I7L*I8L* I9L

000516 000517 000000 000000 000002 X006 115

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

8J31D	8J32D	3780	129		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L, 012H
8J18E	8J17B	2000	115		I15L, I5H, I6H, I9H, I10H, I11H, I12H, 013H*014L, 013H
4J15B	4J14B	2000	85		I15L, I5H, I6H,

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	7J07F	7J06F		2000	111			013H*014L, 013H 115L, 15H, 16H, 013H*014L, 013H
	7J11F	7J10F		2000	104			115L, 19H, 110H, 013H*014L, 013H
	8J15C	8J17C		2000	114			115L, 15H, 16H, 013H*014L, 013H
	4J25G	4J24G		2050	94			15L, 18L, 09H, 15L* 16L, 17L*18L
	4J24F	4J21F		2070	94			012L, 16H
	4J26G	4J27G		2050	94			113H, 114H, 115H
	8J07B	8J04B		2050	79			010L, 111H, 112H
	8J20E	8J22E		3850	131			014H
	4J09F	4J08F		2040	82			110L
	8J19D	8J02D		2013	25			010H

000516	000517	000000	000000	000000	000002	X026	116	
	8J08B	8J09A		2900	118			112H, 06H*08L, 06H

000516	000517	000000	000000	000000	000040	X006	117	
	4J10D	4J11D		2070	84, 101, 82			19L, 014H

000516	000517	000000	000000	000000	000050	X027	118	
	8J10E	8J10G		2040	106			15L, 18L, 19L, 112L, 113L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 113L*114L
	8J10F	8J10G		2040	106			16L, 17L, 110L, 111L, 114L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 113L*114L
	8J05G	7J02E		2160	106			015L, 16H, 17H, 18H, 19H, 110H, 111H, 112H, 113H
	8J10D	8J10G		2040	106			16L, 17L, 114L, 015H, 15L*16L, 17L*18L, 19L* 110L, 111L*112L, 113L*114L
	8J10C	8J04A		2040	106			15L, 015H, 15L* 16L, 17L*18L, 19L* 110L, 111L*112L, 113L*114L
	7J03A	7J21A		2020	106			19L, 011L*012H, 15L*16L*17L, 18L*

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	8J09G	8J07G	2050	106,120			19L*110L,012H 16L,17L,09H,15L*
	8J10A	8J04A	2040	106			16L,17L*18L 015H,15L*16L, 17L*18L,19L*
	8J10B	8J04A	2040	106			110L,111L*112L, 113L*114L 015H,15L*16L, 17L*18L,19L*
	7J12B	7J02A	2160	106,107			110L,111L*112L, 113L*114L 15L,014H
000516	000517 2J12E	000000 2J09E	000000 2900	000000 71	000051	X006	119 19H,013H*015L, 013H
000516	000517 8J19B 2J09E	000000 8J18B 2J06E	000000 2000 2900	000000 115 71	000111	X006	120 115L,111H,112H, 013H*014L,013H 112H,06H*08L, 06H
	8J06B 8J07B	8J02B 8J04B	2070 2050	79,80 79			110L,015H 09L,15H,16H
000516	000517 2J06E	000000 2J03E	000000 2900	000000 71	000141	X006	121 112H,06H*08L, 06H
	8J05A	8J30A	2070	79			16L,012H
000516	000517 4J11E 4J19A	000000 4J13D 4J18A	000000 2070 2000	000000 82,83 87	000147	X006	122 19L,014H 111H,112H
000516	000517 4J10D 4J17G	000000 4J11D 4J16G	000000 2070 2000	000000 84,101,82 88	000147	X026	123 15L,011H 111H,112H
000516	000517 8J24B 8J27B 8J25B 8J16C 8J19G 8J33A 4J08A 8J20G	000000 8J32A 8J26B 8J12B 8J02D 8J18G 8J34A 4J07A 8J22G	000000 2013 3640 2070 2013 2000 3780 2040 3850	000000 122 122 122,107 24,25 117 130 84 131	000147	X027	124 16L,013L*014L* 015L 013L,17H 013L,17H 17L 16L,110L 19L*18L 19H,110H 015L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	7J08A	7J07A	2000	113		16L	
000516	000517	000000	000000	000147	X226	125	
	4J11C	4J21C	2070	83,84		16L,012H	
	4J18G	4J17G	2000	88		111H,112H	
000516	000517	000000	000000	000150	X006	126	
	8J17A	8J15A	2000	115		115L,111H,112H, 013H*014L,013H	
	2J03E	2J06E	2900	71		19H,013H*015L, 013H	
	8J05A	8J30A	2070	79		110L,015H	
	8J06A	8J03A	2050	79		010L,111H,112H	
000516	000517	000000	000000	000151	X002	127	
	3J22D	3J20D	2013	41,42		15H,16H,013H* 014H*015H	
	7J20B	7J21B	2020	37		113H,114H,115H	
	7J21C	7J20C	2000	37		15L,115H	
000516	000517	000000	000000	000151	X003	128	
FGR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	3J19E	3J16E	2060	45		110L,013L,15H, 16H,17H,014H, 18L*19L*110L	
	3J09D	3J05E	2040	30		17L,112L,113L, 015H,15L*16L, 17L*18L,19L* 110L,111L*112L, 113L*114L	
	3J20B	3J27B	2070	46,45,44		19L,012L,16H, 014H	
	3J05A	3J04A	2040	19		18L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L	
	3J17F	3J16F	2030	47,48		010L,15H,16H, 17H,18H,19H	
	7J18A	7J33C	2040	30		112L,015H,15L* 16L,17L*18L,19L* 110L,111L*112L, 113L*114L	
	3J19C	3J17C	2060	45		013L,15H,16H, 17H	
	3J23B	3J21B	2060	41		013L,15H,16H, 17H	
	3J05B	3J22B	2060	19		05L,16H,17H,18H	
	3J20C	3J21C	2060	45		112L,015H,111L*	

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

F	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
							I12L
	3J12C	3J06C	2070	47,11,30			014L,19H
	3J17A	3J14A	2070	47,48			011L,15H
	3J22F	3J08F	2070	41			I6L,012H
	3J24F	3J28F	2900	40			I7L,I12L
	2J15D	2J15C	2920	61			I5L,015H,I11L*
							I12L*I13L,I5L*
							I6L*I7L,I8L*I9L*
							I10L
	3J24A	3J22A	2013	15			I8L
	4J18D	4J17D	2013	19			I5L
	3J18C	3J17C	2060	47			014H,I8L*I9L*
							I10L
	3J18F	3J13F	2060	47			013H,I5L*I6L*
							I7L
	2J13B	2J30E	2040	60			015L,I11H,I12H
	3J02A	3J07A	2920	21			I6H,I9H,I10H
	3J18D	3J16D	2070	47			015L
	3J05C	3J07C	2920	19			I9L
	3J19E	3J02E	2060	45			014H

000516	000517	000000	000000	000151	X004		129
	7J26D	7J25D	2013	07,14			17H,I8H,I9H, 010H*011H*012H

000516	000517	000000	000000	000151	X006		130
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	2J03B	2J02B	2020	69A			I6L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	2J18D	2J17D	2930	61,62			I10L,I10L*I12L, 013L*015H,I9L* I10L,015H
	2J30G	2J35D	2930	69A,70			I12L,I5H,I10L* I12L,08H*06L, 08H
	2J04D	2J08D	2020	70			I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	2J01E	2J27D	2013	06			I7H,I8H,I9H
	2J03D	2J08D	2020	70			I6L,I8L,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	2J12C	2J11C	2130	68			I9H,I10H,I11H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHANO	SYMPTOM
LCC	SWAP	TYPE	PLATE			FAULT
2J22D	2J34D	2030	61			010L, 15H, 16H, 17H, 18H, 19H
2J23C	2J01C	2013	06			15H, 16H
2J18A	2J10A	2060	59, 69A, 70			014L, 18H, 19H, 110H
2J13A	2J16C	2050	69A, 70			111L, 010H, 111L* 112L, 113L*114L* 115L
2J30E	2J31E	2040	69A			015L, 15H, 16H, 17H, 18H
2J06B	2J07B	2060	66, 69, 69A			17L, 013H, 15L* 16L*17L
2J26D	2J21D	2060	61, 69A			111L, 015H, 111L* 112L
7J02F	7J04F	2060	53			015L, 111H, 112H
7J03F	7J04F	2060	26, 35			19L, 014H, 18L* 19L*110L
2J02D	2J12D	2070	65A, 70			16L, 012H
3J12C	3J06C	2070	47, 11, 30			110L, 015H
3J13D	3J04D	2070	07, 29, 10			014L, 19H
7J03G	7J09G	2070	26, 35, 53			015L, 110H
7J28B	7J22B	2070	07, 30, 53			15L, 011H
2J09D	2J27D	2013	58			010L*011L*012L
7J09C	7J15C	2013	14			16L
2J26C	2J21C	2060	57, 62			111L, 015H
3J09C	3J04C	2060	53, 30			013H, 15L*16L* 17L
2J20C	2J19C	2050	57			010L, 115H
2J02E	2J14E	2140	71			115H
2J04E	2J14E	2140	71			115L
2J05E	2J14E	2140	71			115L
2J07E	2J14E	2140	71			115H
2J08E	2J14E	2140	71			115L
2J10E	2J14E	2140	71			115H
2J11E	2J14E	2140	71			115H
2J13E	2J14E	2140	71			115L
2J23D	2J24D	2090	61			010H
2J04B	2J05B	2020	69A			16L
2J31A	2J22A	2030	65A			17L
7J09G	7J03G	2070	36			012H
2J08B	2J09B	2900	66			19H, 013H*015L
2J12B	2J11B	2030	66			18L, 010H, 15L* 16L*17L*18L*19L
2J07B	2J06B	2060	66			17L

000516 000517 000000 000000 000151 X007 131
 FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.
 8J34D 8J33D 3760 129 19L, 111L, 17H,

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
								15L*16L, I7L*I8L, I7L*I8L
	7J05E	7J22E		2020	28			I6L, I7L, I9L, I13H, I14H, I15H, O11L*O12H, 15L* I6L*I7L, I8L*I9L* I10L, O12H
	3J22D	3J20D		2013	41,42			I7H, I8H, I9H, O10H*O11H*O12H
	3J25G	3J22G		2013	16			I7H, I8H, I9H, O10H*O11H*O12H
	7J06D	7J04D		2013	23			I7H, I8H, I9H, O10H*O11H*O12H
	7J10D	7J08D		2013	22			I7H, I8H, I9H, O10H*O11H*O12H
	7J19D	7J18D		2013	06			I7H, I8H, I9H, O10H*O11H*O12H
	8J24C	8J23C		3621	123			I9L, I5H, I6H, I7H
	7J19C	7J22C		2060	53			I6L, I9L, I10L, O13L, I5H, I6H, I7H, O14H
	3J14D	3J15D		2930	10,11			I9L, I7H, O13L* O15H, I9L*I10L, O15H
	7J18B	7J19A		2030	53			O10L, I14L, I5H, I6H, I7H, I8H, I9H, O11H, I12L*I13L* I14L
	3J18C	3J17C		2060	47			O13L, O15L, I5H, I6H, I7H, I11H, I12H
	4J28D	4J19D		2013	20			I5H, I6H, O13H* O14H*O15H
	4J29D	4J30D		2013	20			I5H, I6H, O13H* O14H*O15H
	3J12C	3J06C		2070	47, 11, 30			I5L, O15L, I10H, O11H
	3J23G	3J20G		2070	14, 41, 44, 46			O13L, O14L, I7H, I9H
	7J03C	7J16C		2070	22, 23			I6L, I7L, O12H, O13H
	8J06E	8J12F		2070	80, 81			I7L, I10L, O13H, O15H
	8J08A	8J08E		2900	118			I11L, I9H, O13H* O15L, O13H
	3J27G	3J12G		2050	12			O9L, O10L, I7H, I8H, I11H, I12H
	7J07G	7J08G		2000	111			I15L, I5H, I6H,

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU	TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	8J17F	8J18F		2000	117			013H*014L, 013H I15L, I11H, I12H, 013H*014L, 013H
	8J18E	8J17E		2000	116			I15L, I11H, I12H, 013H*014L, 013H
	3J03F	3J16F		2030	20			010L, I5H, I6H, I7H, I8H, I9H
	2J14F	2J13F		2013	59A			I7L, 010L*011L* 012L
	2J15F	2J13F		2013	59			I7L, 010L*011L* 012L
	3J23E	3J25E		2013	40, 43			I5L, 013L*014L* 015L
	4J06D	4J05D		2013	17, 26			I8L, 010L*011L* 012L
	4J07D	4J05D		2013	17, 26			I9L, 010L*011L* 012L
	8J03D	8J02D		2013	06			I5H, I6H
	8J09D	8J08D		2013	21, 25			I5L, 013L*014L* 015L
	2J17C	2J16C		2050	56, 57			I5L, I7L, 09H, I5L* I6L, I7L*I8L
	3J29B	3J16C		2050	13			I5L, I7L, 09H, I5L* I6L, I7L*I8L
	7J32E	7J13E		2050	07, 52			I12L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	3J28D	3J24D		2900	12			I12H, 06H*08L, 06H
	3J30C	3J12D		2900	13			I12H, 06H*08L, 06H
	2J18C	2J21C		2060	59A			014L, I8H, I9H, I10H
	3J16B	3J08B		2060	48, 27, 36			013L, I5H, I6H, I7H
	3J21F	3J32F		2060	44			014H, 015H, I8L* I9L*I10L, I11L* I12L
	7J16F	7J04F		2060	28, 49			014L, I8H, I9H, I10H
	8J02A	8J11B		2060	21, 25, 54			013L, I5H, I6H, I7H
	7J11G	7J08G		2000	104			I5H, I6H, I9H, I10H
	8J18A	8J17A		2000	115			I5H, I6H, I9H, I10H
	7J05C	7J04C		2020	28			I15L, I5H, I6H, I7H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	3J08A	3J10A	2050	17,23			010L, I13H, I14H, I15H
	7J16G 7J28C	7J33B 7J12E	2080 2160	28,49 28			05L, I6H, I7H, I8H I9L, I10L, 015H, I6L*I7L*I8L*I9L* I10L*I11L*I12L* I13L
	2J18A 3J04C	2J10A 3J02C	2060 2060	59,69A,70 20			015L, I11H, I12H I8L, 014H, I8L* I9L*I10L
	3J04E	3J02E	2060	20			I7L, 013H, I5L* I6L*I7L
	3J20F 3J21G	3J19F 3J19G	2060 2060	27,45 45			015L, I11H, I12H I12L, 015H, I11L* I12L
	3J23E	3J21E	2060	41			I11L, 015H, I11L* I12L
	3J26E	3J21E	2060	15,16			I11L, 015H, I11L* I12L
	3J28G	3J15G	2060	12,48			I6L, 013H, I5L* I6L*I7L
	4J31D	4J04C	2060	20,21			I6L, 013H, I5L* I6L*I7L
	7J02F	7J04F	2060	53			I8L, 014H, I8L* I9L*I10L
	7J03F 7J15G	7J04F 7J23F	2060 2060	26,35 51			015L, I11H, I12H I9L, 014H, I8L* I9L*I10L
	7J19F	7J23F	2060	26,52			I5L, 013H, I5L* I6L*I7L
	8J26B	8J27B	3640	122			I9L, 014H
	7J10F	7J08E	2000	104			I5L, I6L, I10L
	2J12D	2J02D	2070	57,58,65A			014L, I9H
	2J12F	2J16F	2070	56,57			014L, I9H
	3J12A	3J14A	2070	03,07,09,53			I5L, 011H
	3J18D	3J16D	2070	47			011L, I5H
	3J20E	3J18E	2070	45			015L, I10H
	3J27F	3J22F	2070	12			I10L, 015H
	4J13D	4J12D	2070	20,101			I5L, 011H
	8J25B	8J12B	2070	122,107			012L, I6H
	3J28C	3J30B	2900	12			I5L, I12L
	7J03A	7J21A	2020	106			I13H, I14H, I15H
	3J06G	3J03G	2040	17			I6L, I10L, I12L, I14L
	8J29D	8J26D	3680	124			07L, I12L*I10L* I14L
	3J19B	3J18B	2050	47,40			09H, I5L*I6L, I7L* I8L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANG FAULT	SYMPTOM
	8J06F	8J04F	2050	81		010L, I11H, I12H	
	8J07E	8J04E	2050	80		010L, I11H, I12H	
	8J28D	8J27D	3670	124		114L, I13L* I14L* I15L	
	3J19A	3J21A	2160	44		I9L, 015H, I6L* I7L* I8L* I9L* I10L* I11L* I12L* I13L	
	2J09D	2J27D	2013	58		I7L	
	3J22C	3J25C	2013	41, 42		013L* 014L* 015L	
	3J22E	3J13E	2013	41, 43		I8L	
	3J25B	3J26B	2013	15		I6L	
	3J25D	3J27D	2013	16		I9L	
	4J08D	4J09D	2013	17, 26		010L* 011L* 012L	
	3J03D	3J06D	2920	20		015L, I5H, I6H, I7H	
	3J09A	3J07A	2920	23		I9L, I8H, I9H, I10H	
	8J28B	8J22C	3621	122		I6L	
	3J05G	3J15G	2060	17, 18		I7L, I8L	
	3J16A	3J13A	2060	45, 28		014H, I8L* I9L* I10L	
	3J17D	3J08D	2060	47		014H, I8L* I9L* I10L	
	3J18A	3J27A	2060	47		015H, I11L* I12L	
	7J15F	7J04F	2060	51		013H, I5L* I6L* I7L	
	4J16A	4J15A	2000	85		I5H, I6H	
	7J10F	7J08F	2000	104		I6L, I10L	
	7J11F	7J08F	2000	104		I6L, I10L	
	7J12E	7J14E	2000	105		I6L, I10L	
	7J12G	7J14G	2000	104		I6L, I10L	
	7J21E	7J22E	2920	36		I5L, I6L	
	4J20G	4J13G	2050	94		I7H, I8H	
	8J21A	8J20A	3771	132		I11L	
	8J23A	8J22A	3771	132		I13L	
	2J17D	2J16D	2930	61, 62		I7H	
	3J24E	3J12E	2900	40		I9H	
	3J24G	3J28F	2900	40		I14H	
	8J08E	8J08E	2900	116		I11L	
	8J08C	8J08E	2900	119		I11L	
	8J09A	8J08E	2900	118		I11L	
	8J09C	8J08E	2900	119		I11L	
	8J10A	8J04A	2040	106		I7L, I10L	
	8J10B	8J04A	2040	106		I6L, I7L	
	8J10C	8J10E	2040	106		I8L, I9L	
	8J10D	8J10E	2040	106		I10L, I11L	
	8J25D	8J26D	3660	124		I10L* I11L* I14L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	2J10D	2J21D	2060	58,68			06H I11L,I12L,015H, I11L*I12L
	7J19C	7J22C	2060	53			015L,I11H,I12H
	7J09G	7J03G	2070	36,53			I9L,014H

000516	000517	000000	000000	000151	X026		134
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	2J23C	2J01C	2013	06			I7H,I8H,I9H, 010H*011H*012H
	2J13D	2J08D	2020	68			I5L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	7J09C	7J15C	2013	14			I5H,I6H,013H* 014H*015H
	2J04B	2J03B	2020	69A			I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	2J05B	2J28B	2020	69A			I5H,I6H,I7H, 011H*012L,I13L* I14L*I15L,011H
	7J19B	7J16B	2060	53			013L,I5H,I6H, I7H
	7J17E	7J15E	2060	52			I9L,014H,I8L* I9L*I10L
	7J19C	7J22C	2060	53			I11L,015H,I11L* I12L
	2J12D	2J02D	2070	57,58,65A			I7L,013H
	2J16F	2J12F	2070	58,60,69A			I6L,012H
	3J03C	3J06C	2070	07,11,21,18			014L,I9H
	7J09G	7J03G	2070	36,53			014L,I9H
	2J09D	2J27D	2013	58			I5L
	2J16A	2J03A	2013	58			013H*014H*015H

000516	000517	000000	000000	000151	X027		135
	4J34B	4J33B	2900	102			I12H,06H*08L, 06H
	3J13D	3J04D	2070	07,29,10			013L,I7H
	4J15B	4J14B	2000	85			I9H,I10H
	4J25G	4J24G	2050	94			I6L,I7L
	8J15A	8J14A	2000	114			I5L

000516	000517	000000	000000	000151	X047		136
	4J11E	4J13D	2070	82,83			I5L,I6L,I7L, 011H,012H,013H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	4J10D	4J12D	2070	84,101,82			I10L,015H
	4J11D	4J12D	2070	83,101			I9L,014H
	4J17A	4J16A	2000	87			I11H,112H
	4J17C	4J16C	2000	87			I11H,112H
	4J18B	4J17B	2000	87			I11H,112H
	4J19H	4J14C	2000	87			I11H,112H
	4J19C	4J18C	2000	87			I11H,112H
000516	000517	000000	000000		000151	X126	137
	7J09E	7J31D	2013	14		I6L	
000516	000517	000000	000000		000153	X006	139
	2J03E	2J06E	2900	71		I10L,112L	
	8J21C	8J20C	3771	132		I10L	
000516	000517	000000	000000		000155	X006	140
	2J06E	2J03E	2900	71		I9L	
	8J07A	8J06A	2050	79		I13L	
000516	000517	000000	000000		000157	X006	141
	7J32E	7J13E	2050	07,52		010L	
000516	000517	000000	000000		000171	X006	142
	8J05A	8J30A	2070	79		011L,15H	
	2J09E	2J06E	2900	71		I9L	
000516	000517	000000	000000		000200	X006	143
	4J11D	4J10D	2070	83,101		I10L,015H	
000516	000517	000000	000000		000351	X006	144
	2J12E	2J09E	2900	71		I12L	
000516	000517	000000	000000		000351	X022	145
	8J06E	8J02E	2070	79,80		013L,17H	
000516	000517	000000	000000		000536	X026	146
	3J02D	3J31D	2050	16,25		I12L	
000516	000517	000000	000000		001151	X003	147
	8J06E	8J02E	2070	79,80		011L,15H	
000516	000517	000000	000000		004175	X026	148
	8J27B	8J26B	3640	122		012H	
000516	000517	000000	000000		004175	X027	149
	8J24B	8J32A	2013	122		I5L	
000516	000517	000000	000000		044175	X026	150

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LCC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM FAULT
	8J27L	8J26B	3640	122		15L	
000516	000517	000000	000000	100000	x226	151	
	4J11C	4J21C	2070	83,84		15L,011H	
000516	000517	000000	000000	307712	x006	152	
	3J34F	3J33F	2060	04		18L*19L*110L	
	3J09A	3J07A	2920	23		015L	
000516	000517	000000	000000	340540	x006	153	
	4J11E	4J13D	2070	82,83		110L,015H	
	4J18A	4J17A	2000	87		111H,112H	
000516	000517	000000	000000	340777	x006	154	
	8J15E	8J17E	2000	114		19L	
	8J16E	8J17E	2000	114		19L	
000516	000517	000000	000000	360000	x006	155	
	3J08D	3J05D	2060	22		013L,15H,16H, 17H	
000516	000517	000000	000000	360000	x026	156	
	3J026	3J10G	2050	18		16L	
000516	000517	000000	000000	503400	x006	157	
	8J19D	8J18D	2013	25		17H,18H,19H, 010H*011H*012H	
000516	000517	000000	000000	503400	x026	158	
	2J34E	2J34D	2030	61		19L	
000516	000517	000000	000000	504606	x006	159	
	8J29D	8J26D	3660	124		08L	
	8J30B	8J30C	3760	124		15L	
000516	000517	000000	000000	504606	x026	160	
	8J29D	8J26D	3680	124		09L,110L*111L* 114L	
	8J25D	8J26D	3660	124		07L	
000516	000517	000000	000000	560533	x006	161	
	8J33D	8J32D	3780	129		19L,111L,17H, 15L*16L,17L*18L, 17L*18L	
	7J08G	7J07G	2000	111		115L,15H,16H, 013H*014L,013H	
	8J19A	8J18A	2000	115		15H,16H,19H, 110H	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	7J12G	7J11G	2000	104			19H, 110H
	8J30A	8J05A	2070	122			16L
	8J22E	8J20E	3850	131			015H
000516	000517	000000	000000	560533	X026	161A	
	8J07A	8J06A	2050	79		010H	
000516	000517	000000	000000	560573	X026	162	
	8J23A	8J22A	3771	132		115L	
000516	000517	000000	000000	600513	X006	163	
	8J32D	8J31D	3780	129		19L, 111L, 17H, 15L*16L, 17L*18L, 17L*18L	
	7J06F	7J07F	2000	111		115L, 15H, 16H, 013H*014L, 013H	
	8J17B	8J15B	2000	115		15H, 16H, 19H, 110H	
	7J10F	7J08F	2000	104		19H, 110H	
	8J29D	8J26D	3630	124		06L	
	8J20E	8J22E	3850	131		013H	
000516	000517	000000	000000	600537	X026	164	
	8J25C	8J24C	3621	123		19L	
000516	000517	000000	000000	600553	X006	165	
	8J20C	8J21C	3771	132		113L	
000516	000517	000000	000000	700002	X026	166	
	3J19C	3J18C	2060	45		18L, 013H, 15L* 16L*17L	
	3J20B	3J27B	2070	46, 45, 44		014L, 19H	
	3J19E	3J16E	2060	45		17L	
	3J20C	3J21C	2060	45		17L	
000516	000517	000000	000000	763557	X006	167	
	2J13F	2J14F	2013	58		17L, 010L*011L* 012L	
000516	000517	000000	000000	777777	X024	168	
	7J22D	7J17D	2060	49		18L, 014H, 18L* 19L*110L	
	7J23E	7J17E	2060	35, 49, 54		013L, 15H, 16H, 17H	
	7J13G	7J02G	2050	51		09L, 17H, 18H	
	7J14F	7J12F	2000	51		110L	
	7J13F	7J27F	2050	51		18H, 09L, 17H	
	7J14G	7J12G	2000	51		110L	
	7J23D	7J26B	2930	34		112L	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
000516	000517	000000	000000	777777	X026	169	
	8J30D	8J29D	3680	124			06H,07H,08H
000516	000517	000000	000000	777777	X027	170	
	8J19D	8J18D	2013	25			I6L
	3J31B	3J24B	2060	03,13,03			I8L
000516	000517	000000	000000	777777	X226	171	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	4J11C	4J21C	2070	83,84			I7L,I9L,I10L, 013H,014H,015H
	4J11D	4J12D	2070	83,101			I5L,I6L,011H, 012H
	8J16B	8J11B	2060	25			015L,I11H,I12H
	3J18E	3J20E	2070	48,46			015L,I10H
	4J10D	4J12D	2070	84,101,82			I6L,012H
	7J08D	7J07D	2013	23			I7L
	8J17D	8J16D	2013	25			I8L
	4J17E	4J16E	2000	88			I11H,I12H
	4J17F	4J16F	2000	88			I11H,I12H
	4J18E	4J16E	2000	88			I11H,I12H
	4J18F	4J16F	2000	88			I11H,I12H
	4J19E	4J14F	2000	88			I11H,I12H
	4J19F	4J14G	2000	88			I11H,I12H
	3J03C	3J06C	2070	07,11,21,18			I7L
	3J17C	3J09C	2060	48			I8L
	3J02G	3J10G	2050	18			I14L
	7J02C	7J18C	2030	23,30			I8L
000516	000517	000000	000002	000000	X000	172A	
	7J10D	7J02D	2013	22			010H
000516	000517	000000	000002	000151	X007	172B	
	8J07A	8J11A	2050	79			09H
000516	000517	000000	000010	000000	X000	172C	
	8J17B	8J14B	2000	115			014H
000516	000517	000000	000010	000000	X004	172D	
	4J16B	4J19B	2000	85			014H
000516	000517	000000	000517	000000	X006	172E	
	3J16F	3J03F	2030	48			010H
000516	000517	000000	020202	000151	X007	172F	
	3J25D	3J10D	2013	16			013H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
000516	000517	000000	400000	000000	X026	172G	
	4J23A	4J11A	2920	96		015H	
	4J26B	4J27B	2050	96		09H	
000516	000517	000000	600000	000000	X226	172H	
	4J26B	4J12B	2050	96		010H	
000516	000517	000000	777777	000000	X027	173	
	8J19D	8J18D	2013	25		I8L	
000516	000517	000000	777777	000151	X003	173A	
	4J03B	4J03D	2013	5		013H, 014H, 015H	
000516	000517	000000	777777	000151	X007	174	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	4J14C	4J15C	2000	85		I5L, I6L, I7L, I9L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H	
	4J16C	4J15C	2000	85		I5L, I6L, I7L, I9L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H	
	3J25G	3J22G	2013	16		I6L, I5H, I6H, 013L*014L*015L, 013H*014H*015H	
	3J22C	3J29C	2013	41, 42		I7H, I8H, I9H, 010H*011H*012H	
	3J25D	3J22D	2013	16		I7H, I8H, I9H, 010H*011H*012H	
	4J09D	4J14D	2013	17, 26		I7H, I8H, I9H, 010H*011H*012H	
	4J35D	4J31C	2030	29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H	
	4J35E	4J31E	2030	29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H	
	3J13D	3J04D	2070	07, 29, 10		I10L, 012L, 015L, I6H, I10H, 015H	
	3J16G	3J20G	2070	09, 35, 9, 48		I7L, 013L, 015L, I7H, I10H, 013H	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	4J03D	4J02D	2013	05		15H, I6H, 013H* 014H*015H	
	4J06D	4J05D	2013	17, 26		15H, I6H, 013H* 014H*015H	
	4J17D	4J16D	2013	19		15L, I6L, 013L* 014L*015L	
	3J05B	3J22B	2080	19		I6L, 09L, I10H, I11H, I12H, I13H, I14H, I15H	
	3J14G	3J20G	2070	55, 35, 29		I9L, 012L, I6H, 014H	
	4J28E	4J02E	2900	100		I9L, I10L, I11L, I12L	
	4J28F	4J02F	2900	100		I9L, I10L, I11L, I12L	
	3J08C	3J22B	2060	22		05L, I8L, I12L, I14L, I6H, I7H, 18H	
	3J20A	3J22B	2060	44, 45		09L, I10H, I11H, I12H, I13H, I14H, I15H	
	4J22D	4J25D	2050	95		I6L, I8L, 010L, I13H, I14H, I15H	
	3J11A	3J16A	2060	27, 30		I7L, 013L, I5H, I6H, I7H	
	3J18F	3J13F	2060	47		I10L, 013L, I5H, I6H, I7H	
	4J35C	7J25F	2220	21, 29		I10L, I11L, I12L, I13L, 015H, I10L* I11L*I12L	
	3J05E	3J09D	2040	17		I9L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L	
	3J25C	3J29C	2013	43, 15		I5L, 013L*014L* 015L	
	4J08D	4J07D	2013	17, 26		I5L, 013L*014L* 015L	
	4J28D	4J19D	2013	20		I6L, 013L*014L* 015L	
	3J11F	3J10F	2050	29		I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L	
	3J12G	3J10G	2050	29		09L, I7H, I8H, I11H, I12H	
	4J22G	4J21G	2050	94		I7L, I7H, I8H, I11H, I12H	
	4J27F	4J25F	2920	91		015L, I8H, I9H,	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
							I10H, I11H, I12H, I13H, I14H
	3J28E	3J24E	2900	12			I12H, C6H+08L, 06H
	4J04B	4J02B	2900	27			I12H, C6H+08L, 06H
	4J29E	4J02E	2900	100			I9L, I11L, I12L
	4J30E	4J32E	2900	100			I9L, I11L, I12L
	3J18A	3J16A	2060	47			O13L, I5H, I6H, I7H
	3J19F	3J13F	2060	46			I8L, I12L, O15H, I11L+I12L
	3J20F	3J32F	2060	27, 45			O13L, I5H, I6H, I7H
	3J28G	3J21G	2060	12, 48			I7L, I12L, O15H, I11L+I12L
	4J31D	4J03F	2060	20, 21			O13L, I5H, I6H, I7H
	3J29G	3J26G	2040	12			I10L, I14L, O15L, I11H, I12H
	3J13G	3J07G	2920	35			I12L, I13L, I11H, I12H, I13H, I14H
	3J06A	3J16A	2060	19, 38			I11L, O15H, I11L* I12L
	3J06F	3J13F	2060	17			I9L, O14H, I8L* I9L+I10L
	3J13A	3J16A	2060	27			I12L, O15H, I11L* I12L
	3J17C	3J09C	2060	48			O15L, I11H, I12H
	3J21D	3J17D	2060	44			I11L, O15H, I11L* I12L
	3J21F	3J32F	2060	44			I7L, O13H, I5L* I6L+I7L
	3J26C	3J23C	2060	22, 35			I11L, O15H, I11L* I12L
	3J09G	3J20G	2070	30, 34, 17			O15L, I10H
	3J14A	3J12A	2070	08, 27, 107			I7L, O13H
	3J18E	3J29E	2070	48, 46			O11L, I5H
	3J20E	3J29E	2070	45			O11L, I5H
	3J27F	3J22F	2070	12			I7L, O13H
	4J21F	4J24F	2070	94			I5L, O11H
	4J26F	4J24F	2070	91, 94, 100			I7L, O13H
	7J03C	7J16C	2070	22, 23			O11L, I5H
	4J29F	4J02F	2900	100, 99			I9L, I11L
	4J29G	4J30G	2900	99			I10L, I11L
	4J30F	4J32F	2900	99			I10L, I11L
	3J07A	3J02A	2920	23			O15L, I11H, I12H, I13H, I14H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	4J22E	4J21E	2920	93			16L, G15H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
	4J08A	4J25A	2040	84			17H, I8H, I13H, I14H
	4J09A	4J25A	2040	84			17H, I8H, I13H, I14H
	4J23D	4J25D	2050	95			09L, I5H, I6H
	4J27G	4J26G	2050	91, 94			09L, I7H, I8H
	3J03F	3J16F	2030	20			16L, G10H, I5L* I6L* I7L* I8L* I9L
	3J29F	3J17F	2030	48, 12			16L, G10H, I5L* I6L* I7L* I8L* I9L
	3J21A	3J19A	2160	44			19L, G15H, I6L* I7L* I8L* I9L* I10L* I11L* I12L* I13L
	3J25A	3J24A	2013	15			16L
	3J25E	3J23E	2013	16			19L
	7J06D	7J04D	2013	23			19L
	4J20F	4J11F	2920	94			015L, I5H, I6H, I7H
	3J02E	3J06E	2060	18			18L, I12L
	3J04E	3J06E	2060	20			014H, I8L* I9L* I10L
	3J15G	3J05G	2060	55, 35, 34			014H, I8L* I9L* I10L
	3J26D	3J23D	2060	16			16L, I8L
	3J05F	3J09D	2040	17			015L, I9H, I10H
	4J05A	4J25A	2040	110			015L, I13H, I14H
	4J05B	4J25A	2040	110			015L, I13H, I14H
	4J05C	4J05E	2040	109			015L, I13H, I14H
	4J06A	4J25A	2040	110			015L, I13H, I14H
	4J06B	4J25A	2040	110			015L, I13H, I14H
	4J06C	4J05E	2040	109			015L, I13H, I14H
	4J07A	4J25A	2040	110			015L, I13H, I14H
	4J07B	4J25A	2040	110			015L, I13H, I14H
	4J07C	4J05E	2040	109			015L, I13H, I14H
	4J08E	4J07E	2040	83			015L, I9H, I10H
	4J10E	4J09E	2040	83			015L, I9H, I10H
	3J10A	3J08A	2050	107			17H, I8H
	3J16C	3J33C	2050	48, 53			17H, I8H
	4J20D	4J25D	2050	95			16L, I7L
	4J21D	4J25D	2050	95			16L, I7L
	4J24D	4J25D	2050	95			17H, I8H
	4J24G	4J23G	2050	94			15H, I6H
	3J03D	3J06D	2920	20			18H, I9H, I10H

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT	
8J22A	8J21A	3771	132		I9L	
8J23A	8J20C	3771	132		I14L	
3J24G	3J28F	2900	40		I14L	
4J28G	4J02G	2900	99		I11L	
3J05A	3J04A	2040	19		I9L,015L	
4J08B	4J25A	2040	84		I7H,I8H	
4J09B	4J25A	2040	84		I7H,I8H	
4J10A	4J25A	2040	84		I7H,I8H	
4J10B	4J25A	2040	84		I7H,I8H	
4J22C	4J23C	2920	95		I8L,I13L	
4J22F	4J11F	2920	94		I11L,I12L	
4J23F	4J25F	2920	94		I9L,I13L	
4J27E	4J26E	2920	91		I8L,I11L	
3J08D	3J05D	2060	22		I5L	
3J24B	3J23E	2060	41,15		I8L	
4J04C	4J03C	2060	27,38		I6L	
7J06A	7J10A	2000	113		I8L	
7J06B	7J10B	2000	113		I8L	
7J06C	7J10C	2000	112		I8L	
7J07A	7J10A	2000	113		I8L	
7J07B	7J10B	2000	113		I8L	
7J07C	7J10C	2000	112		I8L	
7J08A	7J10A	2000	113		I8L	
7J08B	7J10B	2000	113		I8L	
7J08C	7J10C	2000	112		I8L	
8J15A	8J14A	2000	114		I11L	
8J18A	8J17A	2000	115		I9L	
7J20G	7J21G	2020	35		I6L	
3J08G	3J30F	2030	18,24		I14L	
7J02C	7J18C	2030	23,30		I6L	
4J35B	7J25F	2220	29		O14L	
3J03G	3J06G	2040	18		I12L	
4J08C	4J05E	2040	83		I8H	
4J09C	4J05E	2040	83		I8H	
4J10C	4J05E	2040	83		I8H	
4J20A	4J13A	2920	96		I13L	
4J20C	4J23C	2920	95		I9L	

000516 000517 000000 777777 000151 X017 175
8J04G 7J16G 2080 40,107 I11L

000516 000517 000000 777777 000151 X047 176
4J25E 4J13E 2050 91,92 I11H,I12H
4J24E 4J23E 2920 92 I5L,I8L,I11L
4J26E 4J23E 2920 91 I11L
4J27E 4J04F 2920 91 I5L

000516 000517 000000 777777 000151 0247 177

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TABLE 8-10. ROOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
	4J15G	4J14G	2000	86			15L,16L,17L,19L, 111L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H
	4J24B	4J23B	2050	96			16L,18L,09H,15L* 16L,17L*18L 09L,15H,16H
	4J25B	4J26B	2050	96			015L,19H,110H
	4J09A	4J08A	2040	84			16L,110L
	8J18G	8J17G	2000	117			19L*18L
	8J34A	8J33A	3720	130			014L
	8J20G	8J22G	3850	131			16L
	7J07A	7J06A	2000	113			
000516	8J06E	8J25B	2070	80,81	010151	X007	178 013L,17H
000516	3J07D	3J06D	2920	22	000000	X007	178A 015H
000516	4J14G	4J15G	2000	86	420003	X026	178B 014H
000516	3J19C	3J02C	2060	45	000000	X017	178C 013H
000516	3J17E	3J03E	2030	48	000000	X026	178D 011H
000516	3J08B	3J02B	2060	47	000151	X007	178E 014H
000516	3J25D 4J09D 3J22G	3J10D 4J02D 3J25G	2013 2013 2013	16 26 42	000151	X007	178F 010H 010H 013H,014H,015H
000517	4J08G 4J21G	4J07G 4J20G	2040 2050	82 94	000151	X003	179 015L,19H,110H 16L,17L
000517	4J14A	4J15A	2000	85	000151	X003	180 19L
000521	4J22F	4J20F	2920	94	000151	X003	181 19L

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TABLE 2-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM FAULT
000521	000522 4J08G	4J07G	000000 2040	777777 82	000151	X003 19L	182
000534	000545 4J05B	4J08B	000147 2040	000000 110	000151	X003 015H	182A
000543	000544 3J20B 3J04B	3J27B 3J03B	000147 2070 2920	XXXXXX 46,45,44 21	000151	X003 15L,011H 111H,112H,113H, 114H	183
000543	000545 6J13C 4J22F	6J15C 4J20F	000000 0761 2920	105050 137,175 94	000151	X003 03L*04L,03H*04H 111H,112H,113H, 114H	184
000543	000545 3J17C	3J09C	000147 2060	XXXXXX 48	000151	X003 112L	185
000543	000545 6J24A 6J24E 6J21C 6J27B 4J05B	6J23A 6J23E 6J19C 6J25B 4J06B	000147 0651 0651 0761 0400 2040	XXXXXX 164 173 135,136,138,175 139,142 110	000151	X003 153H,144L,147L, 148L 154H 128L,C52L 118H 15L,17L,19L, 111L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L 115L,17H,18H, 19H,110H,013H* 014L,C13H 010L,15H,16H, 17H,18H,19H 010L,113H,114H, 115H 15L,09H,15L*16L, 17L*18L 110L,C15H 012L,16H 113H,114H,115H 19H,110H 18L	186
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
000543	000545 4J27F	4J25F	000147 2920	XXXXXX 91	777777	X023 15H,16H,17H	187

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
000543	000545 6J27B	000147 6J25B	XXXXXX 0400	505640 139,142	X023	188	I17H
000543	000545 6J13C	502100 6J15C	105050 0761	000151 137,175	X003	189	I54L
000543	000545 6J13C	505640 6J15C	105050 0761	000151 137,175	X003	190	046H
000543	000631 6J38A	000147 6J37A	XXXXXX 0651	000151 157	X007	191	I44H
000545	000631 6J34B 4J24G	000147 6J32B 4J23G	XXXXXX 0400 2050	000151 140,142 94	X007	192	I19H I13L
000566	000573 4J24B 4J24D	000506 4J23B 4J23D	000000 2050 2050	000151 96 95	X003	194	I5L I11L
000566	000573 8J32A	000706 8J31A	053231 2013	000151 122	X003	195	010H*011H*012H
000566	000573 8J32A	000706 8J31A	255144 2013	000151 122	X003	196	I5L
000566	000573 8J32A	000706 8J31A	425514 2013	000151 122	X003	197	I7H
000566	000573 8J32A	000706 8J31A	442551 2013	000151 122	X003	198	I8H
000566	000573 8J32A	000706 8J31A	646212 2013	000151 122	X003	199	I9H
000566	000573 3J13G	004000 3J07G	000000 2920	000151 35	X003	200	I11L
000566	000573 4J04A	035547 4J21A	335476 2070	000151 47,33	X003	201	I9H
000566	000577 3J20B	004000 3J27B	000000 2070	000151 46	X003	201A	011H
000570	000645 2J22D	070607 2J34D	060606 2030	000151 61	X003	202	I9L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND	SYMPTOM FAULT
000570	000645	070607	060606	000151	X007	203	
	2J14C	2J25C	2070	58			I5L
	3J12C	3J06C	2070	47,11,30			014H
	2J13B	2J30E	2040	60			I5L*I6L,I9L* I10L
	3J09D	3J05A	2040	30			015L
	7J18A	7J33C	2040	30			I11H
000600	000601	001205	000055	000151	X003	204	
	4J05C	4J06C	2040	109			I5L,I7L,I9L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L I6L
	4J08C	4J07C	2040	83			
000600	000601	001262	000056	000151	X003	205	
	6J27A	6J26A	0651	162			I44L,I48L
	6J27E	6J26E	0651	171			I53H,I54H
	6J19C	6J17C	0761	135,136,138,175			I28L,052L
	7J08C	7J07C	2000	112			I15L,I7H,I8H, I9H,I10H,013H* 014L,013H
	8J03E	8J02E	2050	112			I12L,010H,I11L* I12L,I13L*I14L* I15L
	8J07E	8J04E	2050	80			I7H,I8H
000600	000601	001516	000044	000151	X003	206	
	4J11C	4J21C	2070	83,84			015L,I10H
000600	000601	503100	505610	000151	X003	206A	
	3J18A	3J06A	2060	47			014H
000600	000601	503400	505640	000151	X003	206B	
	4J26A	4J24A	2070	98			011H
000600	000601	633547	611412	000151	X003	206C	
	4J03A	4J31A	2050	33			09H,I5L*I6L,I7L* I8L
000615	000626	000470	000000	000151	X013	207	
	4J07E	4J09E	2040	109			015H
000623	000626	000147	XXXXXX	000151	X003	208	
	6J15C	6J13C	0761	137,175			06L*018H*024H
000623	000636	000007	000002	000151	X003	209	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANU FAULT	SYMPTOM
	7JG5C	7J04C	2020	28		114L	
000623	000636 6J25A	000147 6J24A	XXXXXX 0651		000151	X003	210 140H, 141H, 142H, 136L, 152L
	8J06F	8J04F	2050	81		18L	
000623	000636 7J18A 3J09D	070607 7J33C 3J05A	000002 2040 2040		000151	X007	211 015L, 112H 111H
000623	000636 2J13B	070607 2J30E	060600 2040		000151	X007	212 17L
000625	000626	000000	XXXXXX		000151	X007	213
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	6J26A	6J25A	0651	163			I44L, I48L
	6J37A	6J36A	0651	157A			144L, I48L
	6J37E	6J36E	0651	166A			153H, I54H
	6J13C	6J15C	0761	137, 175			131L, 132L, 045L
	6J26E	6J25E	0651	172			154H
	6J29C	6J31C	0040	136			111L, 116L, 118L
	6J27C	5J27C	0280	135			139H, 047L
	4J07B	4J06B	2040	110			15L, 17L, 19L, 111L, 114L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 113L*114L
	7J06B	7J07B	2000	113			115L, 17H, 18H, 19H, 110H, 013H* 014L, 013H
	3J17B	3J16B	2060	47			15L, 19L, 013H, 15L*16L*17L
	8J03A	8J07A	2050	111			112L, 010H, 111L* 112L, 113L*114L* 115L
	8J04F	8J03F	2050	113			15L, 09H, 15L*16L, 17L*18L
	3J22F	3J08F	2070	41			110L, 015H
	4J11C	4J21C	2070	83, 84			013L, 17H
	8J06F	8J07F	2050	81			113H, 114H, 115H
	7J07D	7J06D	2013	23			010L*011L*012L
	7J07G	7J06G	2000	111			19H, 110H
	8J06A	8J07A	2050	79			17H, 18H
	4J08G	4J07G	2040	82			111H, 112H
	3J04C	3J02C	2060	20			111L
	7J31F	7J26F	2020	134			15L
	3J12F	3J11F	2050	29			15L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM FAULT
	4J09G	4J07G	2040	82		112L	
	4J10B	4J09B	2040	84		18L	
	4J10F	4J09F	2040	82		112L	
	4J10G	4J05G	2040	82		112L	
	3J02A	3J07A	2920	21		112L	
	3J11E	3J08E	2920	29		015L	
000625	000626 7J19A	000001 7J18B	XXXXXX 2030	000151 37	X007	214 16L	
000625	000626 4J07E	000046 4J06E	XXXXXX 2040	000151 109	X013	215 15L, 17L, 19L, 111L, 114L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 113L*114L 17H, 18H	
	7J06E	7J07E	2000	112			
000625	000626 4J05F	000106 4J06F	XXXXXX 2040	610602 108	X007	216 111L, 114L.	
000625	000626 6J23A	000147 6J22A	XXXXXX 0651	000000 164	X007	217 140H, 141H, 142H, 144H, 148H, 136L, 152L 139L, 141L, 142L 142H 053H 19L, 111L, 17H, 15L*16L, 17L*18L, 17L*18L 17H, 013L*015H, 015H 15H, 16H, 19H, 110H 013L, 17H 19L 15H, 16H 19H, 110H 110L 014H 17L 15L 15L 17L 16L 17L	
	6J29B	6J27B	0400	143			
	6J31B	6J32B	0400	143, 147			
	6J23C	6J21C	0761	135, 138, 175			
	8J33C	8J32C	3780	129			
	3J14E	3J15E	2930	10, 11			
	8J18C	8J17C	2000	116			
	3J03C	3J06C	2070	07, 11, 21, 18			
	3J27D	3J25D	2013	12			
	7J07E	7J06E	2000	112			
	7J11E	7J10E	2000	104			
	3J28E	3J24E	2900	12			
	8J22F	8J20F	3850	131			
	3J08B	3J07B	2060	23, 47, 19			
	8J17G	8J18G	2000	117			
	8J18F	8J17F	2000	117			
	4J22D	4J21D	2050	95			
	4J24D	4J23D	2050	95			
	3J16F	3J03F	2030	48			

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM FAULT
	3J09A	3J07A	2920	23		I10L	
000625	000626	000147	XXXXXX	000000	X027	218	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	2J02B	2J03B	2020	69A		I13L, I15L, I5H, I6H, I7H, 011H* 012L, I13L* I14L* I15L, 011H	
	8J08C	8J09C	2900	119		19H, 013H* 015L, 013H	
	2J09A	2J07A	2060	65A, 66, 69A		013L, I5H, I6H, I7H	
	2J33E	2J33D	2020	61		I15L, I8H, I9H, I10H	
	8J10B	8J04A	2040	106		I5L, I8L, I9L, I12L, I13L	
	2J26B	2J21B	2060	63, 69A		015L, I11H, I12H	
	2J11A	2J14A	2070	56, 57, 60, 66, 69A		I10L, 015H	
	2J25D	2J12D	2070	61, 64		I10L, 015H	
	7J03G	7J09G	2070	26, 35, 53		I5L, 011H	
	8J10A	8J04A	2040	106		I6L, I8L, I9L	
	3J14E	3J15E	2930	10, 11		I9L	
	8J10C	8J10E	2040	106		I7L, I10L	
	8J10D	8J10E	2040	106		I9L, I12L	
000625	000626	000147	XXXXXX	000020	X007	219	
	6J34A	6J33A	0651	159		I40H, I42H, I44H, I48H, I36L, I52L	
	6J15C	6J13C	0761	137, 175		045H	
	8J07B	8J04B	2050	79		I14L	
000625	000626	000147	XXXXXX	000050	X007	220	
	7J32E	7J13E	2050	07, 52		I11H, I12H	
000625	000626	000147	XXXXXX	000100	X007	221	
	3J07B	3J06B	2060	23, 19		I9L	
000625	000626	000147	XXXXXX	000111	X007	222	
	6J29B	6J27B	0400	143		I42H	
000625	000626	000147	XXXXXX	000151	X003	223	
	6J38A	6J37A	0651	157		I40H, I42H, I48H, I36L, I52L	
	6J34B	6J32B	0400	140, 142		I25H, I26H	
	6J13C	6J15C	0761	137, 175		053H	
	4J30G	4J29G	2900	99		I7L	
	8J06A	8J03A	2050	79		I14L	

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TABLE 2-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE			FAULT
000625	000626	000147	XXXXXX	000151	X007	224
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
6J28A	6J27A	0651	162			I44L, I48L
6J28E	6J27E	0651	171			I53H, I54H
6J24A	6J23A	0651	164			I48H
6J25A	6J26A	0651	163			I44H
6J32A	6J31A	0651	160			I48H
6J34B	6J32B	0400	140, 142			I27H
6J19C	6J17C	0761	135, 136, 138, 175			I32L
2J02B	2J03B	2020	69A			I6L, I8L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
4J06C	4J05C	2040	109			I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
3J12F	3J11F	2050	29			09L, I12L, I13L, I7H, I8H, 010H, I11L*I12L, I13L* I14L*I15L
7J07C	7J06C	2000	112			I15L, I7H, I8H, I9H, I10H, 013H* 014L, 013H
3J12D	3J24D	2900	29			I14H, 013H*015L, 013H
8J03E	8J02E	2050	112			I5L, 09H, I5L*I6L, I7L*I8L
2J26D	2J21D	2060	61, 69A			015L, I11H, I12H
3J23B	3J21B	2060	41			015L, I11H, I12H
3J17A	3J14A	2070	47, 48			012L, I6H
3J23G	3J20G	2070	14, 41, 44, 46			I9L, 014H
4J11D	4J10D	2070	83, 101			011L, I5H
4J26F	4J24F	2070	91, 94, 100			013L, I7H
7J03G	7J09G	2070	26, 35, 53			011L, I5H
8J07E	8J04E	2050	80			I13H, I14H, I15H
3J22B	3J05B	2080	41			I14L, 09H, I10L* I11L*I12L*I13L* I14L*I15L
3J11E	3J08E	2920	29			I11H, I12H, I13H, I14H
4J16C	4J15C	2000	85			I7H, I8H
2J12C	2J11C	2130	68			I10L
4J24G	4J23G	2050	94			I5L, I8L
3J04E	3J02E	2060	20			I9L
3J17B	3J16B	2060	47			I11L

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE			FAULT
4J17G	4J16G	2000	88			I5L
4J18G	4J19G	2000	88			I5L
8J17C	8J15C	2000	116			I5L
8J18E	8J17E	2000	116			I5L
3J08A	3J10A	2050	17,23			I13L
3J27G	3J12G	2050	12			I12L
3J20A	3J05B	2080	44,45			I10L
3J19A	7J02A	2160	44			I10L
3J21A	7J02A	2160	44			I6L
4J09C	4J08C	2040	83			I8L
4J27F	4J25F	2920	91			I12L
3J31B	3J24B	2060	13			014H

000625	000626	000147	XXXXXX	000151	X013	225 0
6J32A	6J31A	0651	160			I53H, I44L, I47L, I48L
6J32E	6J31E	0651	169			I53H, I54H
6J17C	6J15C	0761	136, 137, 175			I30L
8J03C	8J07C	2050	112			I5L, 09H, I5L*I6L, I7L*I8L
8J06C	8J07C	2050	80			I13H, I14H, I15H
7J06E	7J07E	2000	112			I9H, I10H
4J30G	4J29G	2900	99			I14H
4J10E	4J09E	2040	83			I8L

000625	000626	000147	XXXXXX	000151	X027	226
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
2J30G	2J35D	2930	69A, 70			I7H, I9H, 013H* 015L, I7L*I14L, 013H
2J30E	2J31E	2040	69A			I5L, I8L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
2J06B	2J07B	2060	66, 69, 69A			013L, I5H, I6H, I7H
2J25A	2J20A	2070	61, 64			I5L, 011H
3J14A	3J12A	2070	08, 27, 107			I9L, 014H
3J16G	3J14G	2070	09, 35, 9, 46			I6L, 012H
2J03B	2J02B	2020	69A			I8H, I9H, I10H
2J04B	2J02B	2020	69A			I13H, I14H, I15H
2J05B	2J28B	2020	69A			I13H, I14H, I15H
2J29A	2J24A	2090	61, 62			010L, I5H
8J10C	8J10B	2040	106			I6L, I11L, I14L
2J32D	2J31D	2930	61, 62			I7H
4J08G	4J07G	2040	82			I12L
8J10D	8J10E	2040	106			I13L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
000625	000626 2J06E	000147 2J03E	XXXXXX 2900	000155 71	X007	I10L	227
000625	000626 8J07F	000147 8J06F	XXXXXX 2050	100000 81	X007	I8L	228
000625	000626 6J22A	000147 6J21A	XXXXXX 0651	200151 165	0243	I48H	229
000625	000626 6J35A 6J15C 8J04B 4J11E 7J06F 8J07A 4J07F 4J10F	000147 6J34A 6J13C 8J03B 4J13D 7J07F 8J06A 4J06F 4J09F	XXXXXX 0651 0761 2050 2070 2000 2050 2040 2040	440645 158 137,175 111 82,83 111 79 106 82	X007	I44L, I48L I27L, I30L, 053L I12L, 010H, I11L* I12L, I13L* I14L* I15L 013L, I7H I9H, I10H I7H, I8H I11L, I14L I8L	230
000625	000626 6J33A 6J33E 6J15C 7J08F 8J03B 7J12F 8J07B 4J08F	000147 6J32A 6J32E 6J13C 7J07F 8J04B 7J11F 8J04B 4J07F	XXXXXX 0651 0651 0761 2000 2050 2000 2050 2040	610602 159 168 137,175 111 111 104 79 82	X007	I44L, I48L I53H, I54H I25L, I28L, 052L I5H, I6H, I9H, I10H I12L, 010H, I11L* I12L, I13L* I14L* I15L I9H, I10H I7H, I8H I8L	231
000625	000626 4J25E	000147 4J13E	XXXXXX 2050	700004 91,92	X007	I13L	232
000625	000626 6J22A 6J23C 8J07G	000342 6J21A 6J21C 8J03G	XXXXXX 0651 0761 2050	000151 165 135,138,175 81	X003	I40H, I41H, I42H, I36L, I52L 045H I14L	233
000625	000626 3J04A	000625 3J05A	XXXXXX 2040	000151 20	X007	I9L	234
000625	000626 4J02A	000653 3J31F	XXXXXX 2020	000151 33	X007	I8L, 011L* 012H,	235

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
							15L*16L*17L,18L* 19L*110L,012H
000625	000626	000706	XXXXXX	000151	X007	236	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	8J14D	8J02E	2050	119			15L,16L,17L,18L, 111L,112L,113L, 114L,115L,09H, 010H,15L*16L, 17L*18L,111L* 112L,113L*114L* 115L
	8J11E	8J04D	2060	119			15L,16L,19L, 111L,112L,014L, 015L,18H,19H, 110H,111H,112H 19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J31C	8J32C	3780	130			19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J34B	8J33B	3760	130			19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J35B	8J33B	3780	130			19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J08E	8J08F	2900	119			111L,19H,112H, 06H*08L,013H* 015L,06H,013H
	8J14C	8J11C	2050	119			16L,18L,111L, 112L,113L,115L, 17H,18H,010H, 111L*112L,113L* 114L*115L
	8J12E	8J11D	2920	119			15L,18L,112L, 18H,19H,110H, 111H,112H,113H, 114H,015H,111L* 112L*113L,15L* 16L*17L,18L*19L* 110L
	8J13D	8J02E	2050	119			09L,112L,113L, 15H,16H,010H, 111L*112L,113L* 114L*115L
	4J05D	4J04D	2013	17,26			15H,16H,013H* 014H*015H
	8J14E	8J07E	2050	119,120			15L,16L,17L,18L, 09H,15L*16L,17L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
							I8L
	8J12B	8J06B	2070	118,119			011L, G12L, 15H, I6H
	8J13E	8J13F	2920	119			15L, I8L, I12L, I8H, I9H, I10H, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	7J10C	7J08C	2000	105			I15L, 15H, I6H, 013H*014L, 013H
	7J11C	7J08C	2000	105			I15L, 15H, I6H, 013H*014L, 013H
	7J12C	7J14C	2000	105			I15L, 15H, I6H, 013H*014L, 013H
	8J09C	8J08C	2900	119			19H, 013H*015L, 013H
	8J17E	8J16E	2000	116			I7H, I8H, I9H, I10H
	8J18E	8J16E	2000	116			I7H, I8H, I9H, I10H
	8J19E	8J15F	2000	116			I7H, I8H, I9H, I10H
	8J20F	8J22F	3850	131			013H, 014H, 015H
	4J25D	4J24D	2050	95			I6L, I7L, I11L, I14L
	7J12B	7J02A	2160	106,107			I11L, I12L, 015H, I6L*I7L*I8L*I9L* I10L*I11L*I12L* I13L
	3J06F	3J13F	2060	17			I6L, 013H, I5L* I6L*I7L
	3J18C	3J17C	2060	47			I12L, 015H, I11L* I12L
	4J24C	4J21C	2070	95			013L, I7H
	4J26C	4J10D	2070	92,95,100			014L, I9H
	8J12F	8J06E	2070	107,119,120			015L, I10H
	7J21B	7J20B	2020	37			15H, I6H, I7H
	3J06G	3J03G	2040	17			19L, 015L, I9H, I10H
	3J19B	3J18B	2050	47,46			09L, I5H, I6H
	8J11F	8J07F	2050	119,120			09L, I5H, I6H
	8J13C	8J11C	2050	118,119			I13H, I14H, I15H
	8J19C	8J15E	2000	116			I7H, I8H
	4J27D	4J26D	2050	92,95			I12L, I13L
	4J34G	4J27G	2050	33			I12L, I13L
	7J09A	7J13A	2050	107			I11H, I12H
	8J35D	8J34D	3780	129			I5L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	LOC	PULIM	SWAP	AU	AL	PLATE	CE	CHAND	SYMPTOM FAULT
	4J28B		4J04B			97			I9L
	4J29B		4J30B			97,98			I12L
	4J08A		4J07A			84			I5H, I6H
	4J08B		4J07B			84			I5H, I6H
	4J08C		4J07C			83			I13H, I14H
	4J09A		4J07A			84			I5H, I6H
	4J09B		4J07B			84			I5H, I6H
	4J09C		4J10C			83			I13H, I14H
	4J10A		4J25A			84			I5H, I6H
	4J10B		4J05C			84			I5H, I6H
	3J05D		3J08D			38			I11L
	8J116		8J02A			107,120			I6L
	8J17F		8J15F			117			I5L
	8J18C		8J17C			116			I5L
	3J23A		3J03E			41			I7L
	7J28C		7J02E			28			I7L
	4J09F		4J08F			82			I12L
	3J07A		3J02A			23			I8L

000625		000626		000707	XXXXXX		000151	X007	237
	4J10C		4J09C		2040	83			I13H, I14H

000625		000626		007700	XXXXXX		000151	X007	238
	4J14C		4J15C		2000	85			I8L

000625		000626		010000	XXXXXX		000151	X007	239
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.									
	8J33B		8J32B		3780	130			I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	8J19D		8J18D		2013	25			I5H, I6H, 013H* 014H*015H
	8J17F		8J15F		2000	117			I5H, I6H, I7H, I8H, I9H, I10H
	8J08F		8J09F		2900	120			I11L, I12H, 06H* 08L, 06H
	8J14E		8J07E		2050	119,120			I11L, I13L, I14L, 010H, I11L*I12L, I13L*I14L*I15L
	7J06B		7J07B		2000	113			I5H, I6H
	7J10B		7J08B		2000	105			I5H, I6H
	8J13F		8J13E		2920	120			I8H, I9H, I10H
	8J22G		8J20G		3850	131			013H
	4J16F		4J15F		2000	86			I8L
	7J12B		7J02A		2160	106,107			I9L
	4J10B		4J09B		2040	84			I6L

000625		000626		010505	XXXXXX		000151	X007	240

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	AU SWAP	AL TYPE	CE PLATE	CHAND	SYMPTOM. FAULT
	4J15B	4J14B	2000	65		I&L
000625	000626 4J04E	010706 4J03E	XXXXXX 2920		000151 X007	241 I11L, C15H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L I13H, I14H
	4J10F	4J09F	2040	82		
000625	000626 4J16B	012435 4J15B	XXXXXX 2000		000151 X007	242 I&L
000625	000626 7J21A	016141 7J03A	XXXXXX 2020		000151 X007	243 I15L, I5H, I6H, I7H, I8H, I9H, I10H, 011H* 012L, I13L* I14L* I15L, 011H I15L, I8H, I9H, I10H, 011H* 012L, I13L* I14L* I15L, 011H I11L
	7J25A	7J24A	2020	37		
	7J22C	7J19C	2060	37		
000625	000626 8J32B	020000 8J31B	XXXXXX 3780		000151 X007	244 FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33. 19L, I11L, I7H, I5L* I6L, I7L* I8L, I7L* I&L I5H, I6H, I7H, I8H, I9H, I10H I15L, I5H, I6H, 013H* 014L, 013H I5L, I7L, 09H, I5L* I6L, I7L* I8L I9H, 013H* 015L, 013H I5H, I6H 014H I12L I8L I9L I&L I6L
	8J18F	8J19F	2000	117		
	7J11B	7J10B	2000	105		
	8J14F	8J11F	2050	120		
	8J08F	8J09F	2900	120		
	7J07B	7J06B	2000	113		
	8J22G	8J20G	3850	131		
	8J11G	8J11E	2060	107, 120		
	4J15F	4J14F	2000	86		
	8J17F	8J15F	2000	117		
	7J12B	7J02A	2160	106, 107		
	4J09B	4J08B	2040	84		
000625	000626 4J04G	020706 4J13G	XXXXXX 2050		000151 X007	245 010H, I11L* I12L, I13L* I14L* I15L
				27, 39		

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO FAULT	SYMPTOM
	4J09F	4J08F	2040	82		I13H, I14H	
000625	000626 4J29C	022000 4J28C	XXXXXX 2900	000151 97	X007	246 I9L	
000625	000626 4J03C	040706 4J04C	XXXXXX 2060	000151 39	X007	247 I11L, I015H, I11L* I12L I13H, I14H	
000625	000626 3J09G	045706 3J14G	XXXXXX 2070	000151 30, 34, 17	X007	248 014L, I9H	
000625	000626 4J15A	050340 4J14A	XXXXXX 2000	000151 85	X007	249 I8L	
000625	000626 4J14A	051127 4J15A	XXXXXX 2000	000151 85	X007	250 I8L	
000625	000626 3J13E 3J13F 3J21F 3J24B 3J22F 3J12E 3J22E 3J21A 4J10G 3J23A	070607 3J23E 3J06F 3J20F 3J23B 3J08F 3J24E 3J23E 3J19A 4J09G 3J03E	XXXXXX 2013 2060 2060 2060 2070 2900 2013 2160 2040 2030	000151 05, 29 29, 28 44 41, 15 41 29 41, 43 44 82 41	X007	251 I7H, I8H, I9H I5L, I7L, I013H, I5L* I6L* I7L I013L, I5H, I6H, I7H I013L, I5H, I6H, I7H I9L, I014H I013H* I015L, I013H I7L I5L, I014H I11H, I12H I6L	
000625	000626 3J12F	076220 3J11F	XXXXXX 2050	000151 29	X007	252 I8L, I11L, I14L, I09H, I5L* I6L, I7L* I8L I013L, I7H I9L, I12L	
000625	000626 4J16A	077770 4J15A	XXXXXX 2000	000151 85	X007	253 I7H, I8H	
000625	000626 4J10E	100706 4J09E	XXXXXX 2040	000151 83	X007	254 I13H, I14H	
000625	000626	163776	XXXXXX	000151	X007	255	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	4J30C	4J29C	2900	97		I7L	
000625	000626 4J30B	167716 4J29B	XXXXXX 2900	98	000151	X007 I7L	256
000625	000626 4J09E	200706 4J08E	XXXXXX 2040	83	000151	X007 I13H, I14H	257
000625	000626 3J03B	207700 3J04B	XXXXXX 2920	20	000151	X007 I5L	258
000625	000626 7J22G	343036 7J21G	XXXXXX 2020	36	000151	X007 I15L	259
000625	000626 7J24A	360000 7J21A	XXXXXX 2020	37	000151	X007 I15L, I5H, I6H, I7H, I8H, I9H, I10H, I11H* I12L, I13L* I14L* I15L, O11H I6L, I9L, O12H, O14H I15L, I9H, I10H, O13H* O14L, O13H O14L, I8H, I9H, I10H I5H, I6H, I7H I5H, I6H, I7H I5L	260
	7J22B	7J05B	2070	37			
	7J20A	7J11A	2000	37			
	7J22C	7J19C	2060	37			
	7J24B	7J21B	2020	37			
	7J25B	7J31B	2020	37			
	7J19A	7J18B	2030	37			
000625	000626 6J26A	400000 6J25A	XXXXXX 0651	163	000151	X007 I48H	261
000625	000626 6J22A	400342 6J21A	XXXXXX 0651	165	000151	X007 I44H	262
000625	000626 4J08E	400706 4J07E	XXXXXX 2040	83	000151	X007 I13H, I14H	263
000625	000626 4J17G	400777 4J16G	XXXXXX 2000	88	000151	X007 I9L	264
000625	000626 4J30A 4J18G	600777 4J29A 4J17G	XXXXXX 2900 2000	98 88	000151	X007 I11L I9L	265
000625	000626 3J03B	632716 3J04B	XXXXXX 2920	20	000151	X007 I13L	266

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
000625	000626 4J28B	707736 4J04B	XXXXXX 2900	97	000151	X007 17L	267
000625	000626 4J28C	707777 4J02C	XXXXXX 2900	97	000151	X007 17L	268
000625	000626 4J29A	740777 4J28A	XXXXXX 2900	98	000151	X007 I11L	269
000625	000626 3J21D	777631 3J17D	XXXXXX 2060	44	000151	X007 I12L	270
000625	000626 7J04D	777777 7J03D	XXXXXX 2013	23,106	000151	X007 I9L,010L*011L* 012L	271
	4J29C	4J28C	2900	97		I10L	
	4J32B	4J30B	2900	102		I14H	
	3J07A	3J02A	2920	23		I12L	
000625	000636	000000	XXXXXX		000151	X003	272
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.							
	2J05G	2J03G	2090	73A		010L, I5H	
	2J10F	2J08F	2090	77A		010L, I5H	
	2J20G	2J18G	2090	75A		010L, I5H	
	2J04G	2J09G	2030	73,73A		I12L,011H, I12L* I13L*I14L	
	2J19G	2J14G	2030	75,75A		I15L,011H, I12L* I13L*I14L	
	4J06G	4J05G	2040	108		015L, I11H, I12H	
	2J09F	2J04F	2030	77,77A		011H, I12L*I13L* I14L	
	4J30G	4J29G	2900	99		I9L	
	4J06B	4J05B	2040	110		I11H, I12H	
	4J06E	4J05E	2040	109		I11H, I12H	
	7J07G	7J06G	2000	111		I8L	
000626	000627 8J03C	000147 8J06C	000000 2050	112	000151	X003 09H	272A
000633	000636 6J35A	000147 6J34A	XXXXXX 0651	158	000151	X003	274
	6J15C	6J13C	0761	137,175		I40H, I42H, I48H, I36L, I52L, I44H	
	8J07A	8J06A	2050	79		053H I8L	
000635	000642 2J13B	070607 2J30E	000600 2040	60	000151	X007	275
						I5L, I13L, I7L*	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	3J12C	3J06C	2070	47,11,30		I8L I9L	
000635	000642	070607	060600		000151	X007	276
	2J14C	2J25C	2070	58		011H	
	2J13B	2J30E	2040	60		015H	
	2J15D	2J15C	2920	61		I7H	
	3J02A	3J07A	2920	21		I10L	
001261	007776	027400	000000		000151	X003	277
	7J32C	7J31C	2020	31		I13L, I13L*I14L* I15L, 011H	
	7J31D	7J27D	2013	31		013L*014L*015L	
006615	006635	000000	000000		000000	X000	278
	3J26B	3J25B	2013	03,14		I7H	
006635	006635	000000	000000		000000	X000	279
	3J29E	3J20E	2070	14,13,12		011H	
006635	106637	000000	000000		000000	X000	280
	3J30E	3J28E	2900	13		06H*0EL	
006635	126635	000000	000000		000000	X000	281
	3J31F	3J09F	2020	03		011L*012H, I8L* I9L*I10L	
006635	126637	000000	000000		000000	X000	282
	3J30E	3J28E	2900	13		06H	
006635	144635	000000	000000		000000	X022	283
	3J31B	3J24B	2060	03,13,03		I9L, 014H	
006637	106637	200000	000030		000000	X000	284
	3J25A	3J24A	2013	15		I6H	
006637	146635	000000	000000		000000	X000	285
	7J04C	7J05C	2020	2E		I9L, I5L*I6L*I7L	
006637	146637	000000	000000		000000	X000	286
	7J04C	7J05C	2020	2E		I8L*I9L*I10L, 012H	
022227	022233	000000	507314		000151	X003	287
	7J33B	7J16G	2080	31,32		09H, I10L*I11L* I12L*I13L*I14L* I15L	
	7J29B	7J19B	2060	32		I8L*I9L*I10L	

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHAND FAULT	SYMPTOM
	7J32C	7J31C	2020	31		011H*012L	
022227	022233 7J31D	000017 7J27D	507314 2013	507314 31	000151	X003 19H	288
022227	022233 7J05B	340514 7J03B	507314 2070	507314 28,31,35	000151	X003 014L	289
022227	022233 7J05B	440000 7J03B	507314 2070	507314 28,31,35	000151	X003 19H	290
022227	022233 7J31D	447236 7J27D	507314 2013	507314 31	000151	X003 010H*011H*012H	291
022227	022233 7J32C	504700 7J31C	507314 2020	507314 31	000151	X003 16H	292
022227	022233 7J33B	504722 7J16G	507314 2080	507314 31,32	000151	X003 112L	293
022227	022233 7J31D	507202 7J27D	507314 2013	507314 31	000151	X003 18H	294
022227	022233 7J32C	507300 7J31C	507314 2020	507314 31	000151	X003 15H	295
022227	022233 7J31D	552015 7J27D	507314 2013	507314 31	000151	X003 17H	296
022227	022233 7J29B	614410 7J19B	507314 2060	507314 32	000151	X003 014H	297
022227	022233 7J32C	700000 7J31C	507314 2020	507314 31	000151	X003 17H	298
022323	022336 3J30F	005415 3J29F	000000 2030	000000 14,03	000151	X003 115L	299
026635	026635 3J31F	000000 3J09F	000000 2020	000000 03	000000	X000 113H	300
026635	106635 7J05B	000000 7J03B	000000 2070	000000 28,31,35	000151	X003 16L	301
026635	146635 3J27A	000000 3J18A	000000 2060	000000 13,25,33	000151	X022 16H	302
026635	146637	000000	000000	000000	000000	X000	303

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM LOC	SWAP	AU TYPE	AL PLATE	CE	CHANO	SYMPTOM FAULT
	7J04C	7J05C	2020	28			011L*012H
046637	006637 3J29D	000000 3J27D	000000 2013	000000 12,13	000000	X000	304 010H*011H*012H
066635	026635 3J29E	000000 3J20E	000000 2070	000000 14,13,12	000151	X022	305 19H
066635	106635 7J05B	000000 7J03B	000000 2070	000000 28,31,35	000151	X003	306 012H
066637	126637 7J04C	000000 7J05C	000000 2020	000000 28	000151	X003	307 I15H
104635	146635 3J27A	000000 3J18A	000000 2060	000000 13,25,33	000151	X022	308 I7H
106635	106635 3J27A 3J31F	000000 3J18A 3J09F	000000 2060 2020	000000 13,25,33 03	000000	X000	309 I6L I5L*I6L*I7L
106635	106635 3J31B	000000 3J24B	000000 2060	000000 03,13,03	000000	X022	310 I8L*I9L*I10L
106635	146635 3J27A 3J31F	000000 3J18A 3J09F	000000 2060 2020	000000 13,25,33 03	000000	X000	311 013H I5L
106637	146637 7J04C	000000 7J05C	000000 2020	000000 28	000151	X003	312 I13H, I14H
106637	166637 3J29C	000000 3J25C	000000 2013	000000 13	000151	X022	313 013L*014L*015L
126617	126615 3J30E	000000 3J28E	000000 2900	000000 13	000000	X000	314 013H
126635	106635 3J29E 3J28F 3J30E	000000 3J20E 3J24F 3J28E	000000 2070 2900 2900	000000 14,13,12 12 13	000151	X022	315 014L I11L I11L
126637	106635 3J30E	000000 3J28E	000000 2900	000000 13	000000	X000	316 I12H
126637	126615 3J30E	000000 3J28E	000000 2900	000000 13	000000	X000	317 013H*015L

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TABLE 8-10. BOOTSTRAP LOAD FAILURE - LOOP CONDITION

P	PULIM	AU	AL	CE	CHANO	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT	
144615	004615	000000	000000	000000	X000	318
3J26B	3J25B	2013	03,14		010H*011H*012H	
144635	106635	000000	000000	000000	X000	319
3J27A	3J18A	2060	13,25,33		15L	
146635	026635	000000	000000	000000	X000	320
3J29E	3J20E	2070	14,13,12		15L	
146635	106635	000000	000000	000000	X000	321
3J31F	3J09F	2020	03		114H	
166615	026615	000000	000000	000000	X000	322
3J30B	3J28B	2900	13		06H*08L	
166635	026635	000000	000000	000000	X000	323
3J30E	3J28E	2900	13		19H	
166635	146635	000000	000000	000000	X000	324
3J31F	3J09F	2020	03		115H	
166637	026637	000000	000000	000000	X000	325
3J15F	3J23F	2013	08,09		16H	

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
000000	000000	000000	000000	X000	1
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.					
✓4J04D	4J05D	2013	05		I5L, I7H, I8H, I9H, 013L*014L*015L, 010H*011H*012H
✓4J32D	4J30D	2013	19,21		I5L, I5H, I6H, 013L*014L*015L, 013H*014H*015H
4J03D	4J02D	2013	05		I7H, I8H, I9H, 010H*011H*012H
4J14D	4J09D	2013	18		I7H, I8H, I9H, 010H*011H*012H
3J25B	3J26B	2013	15		I5H, I6H, 013H* 014H*019H
4J33D	4J34D	2013	19,21		I5H, I6H, 013H* 014H*015H
3J02B	3J06B	2060	21,18		013L, I5H, I6H, I7H, 013H, I5L* I6L*I7L
✓4J31D	4J04C	2060	20,21		I12L, 015L, I11H, I12H, 015H, I11L* I12L
4J35C	4J35B	2220	21,29		I6L, I7L, I8L, I9L, 014H, I6L*I7L* I8L
3J10D	3J19D	2013	07		I7L, 010L*011L* 012L
3J34E	3J33E	2013	04		I9L, 010L*011L* 012L
4J16D	4J15D	2013	18		I8L, 010L*011L* 012L
3J19E	3J16E	2060	45		I9H, I10H, 013H, I5L*I6L*I7L
3J20C	3J19C	2060	45		I12H, 013H, 014H, I8L*I9L*I10L
3J03G	3J06G	2040	18		015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
3J02C	3J04C	2060	30,15,21		I11L, 015H, I11L* I12L
✓4J12A	4J13B	2060	101,21		I11L, 015H, I11L* I12L
3J03C	3J06C	2070	07,11,21,18		I5L, 011H
3J04D	3J13D	2070	20,07,18		014L, I9H.
3J20B	3J27B	2070	46,45,44		I6L, 012H
3J32C	3J24C	2070	03,14		I7L, 013H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	4J18D		4J17D		2013		19			013L*014L*015L
	7J02D		7J03D		2013		06			010H*011H*012H
	3J02E		3J04E		2060		18			015H,I11L*I12L
	3J08G		3J30F		2030		18,24			011H,I12L*I13L* I14L
	7J20F		7J21F		2020		35			I13H
	3J18G		3J19G		2060		8			013H
000000		000000		000000		000151		X002	2	
	3J19F		3J18F		2060		46			013L
	3J19G		3J18G		2060		46			014H
000000		000000		000002		000000		XX22	2A	
	3J23C		3J26C		2060		41			013H
000000		000000		000002		764362		X002	3	
	3J23C		3J21C		2060		41,44			013H,I5L*I6L* I7L
000000		000000		777777		000000		X006	4	
	3J02G		3J10G		2050		18			I11L,010H,I11L* I12L,I13L*I14L* I15L
	3J25E		3J23E		2013		16			010L*011L*012L
000000		000000		777777		777777		X226	5	
	3J05G		3J15G		2060		17,18			013L,I5H,I6H, I7H
	4J15D		4J14D		2013		18			I8L
000000		000147		XXXXXX		000151		X003	6	
	4J07D		4J06D		2013		17,26			I5H,I6H,013H* 014H*015H
	3J06B		3J02B		2060		17			013L,I5H,I6H, I7H
	3J06C		3J03C		2070		17,38,19			I5L,011H
000001		000000		000000		000000		X000	7	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.										
	4J14D		4J09D		2013		18			I9L,I5H,I6H, 010L*011L*012L, 013H*014H*015H
	4J34D		4J33D		2013		19,21			I5H,I6H,013H* 014H*015H
	4J03D		4J02D		2013		05			I7L,010L*011L* 012L
	3J03C		3J06C		2070		07,11,21,18			I6L,012H
	3J20G		3J16G		2070		8,45			015L,I10H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	3J04B		3J03B		2920		21		015L, I8H, I9H, I10H
	3J18G		3J17G		2060		08, 46,		15L, 013H
	8J19F		8J18F		2000		117		15L, I12L
	3J31E		3J09E		2020		03		15L, I10L
	3J15B		3J14B		2930		08, 09		I12L
	3J02B		3J06B		2060		21, 18		I6L
	4J17B		4J16B		2000		87		15L
	7J10C		7J08C		2000		105		15L
	4J20D		4J22D		2050		95		15L
	4J21D		4J22D		2050		95		15L
	7J18C		7J02C		2030		49, 107		I8H
	3J30G		3J23G		2070		3		013H

000001	000000	000000	000000	000000			X006	8	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.									
	4J15D		4J16D		2013		18		I7H, I8H, I9H, 010H*011H*012H
	3J06F		3J13F		2060		17		013L, 014L, I5H, I6H, I7H, I8H, I9H, I10H
	3J05G		3J15G		2060		17, 18		I5L, 013H, 014H, 015H, I5L*I6L* I7L, I8L*I9L* I10L, I11L*I12L
	7J21F		7J20F		2020		36		I6L, I10L, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	7J21E		7J05E		2020		36		I7L, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	7J22E		7J25E		2020		36		I6L, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	4J05D		4J04D		2013		17, 26		I5L, 013L*014L* 015L
	4J06D		4J07D		2013		17, 26		I5L, 013L*014L* 015L
	3J05F		3J05E		2040		17		015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	3J06G		3J03G		2040		17		015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	3J08G		3J30F		2030		18, 24		011L, I12H, I13H,

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	4J14D		4J09D		2013		18		I14H, I15H
	3J06B		3J02B		2060		17		I8L
	3J07G		3J13G		2920		36		015H, I11L* I12L
									015H, I5L* I6L*
									I7L, I8L* I9L*
									I10L
000001	7J116	000000	7J10G	000000	2000	000000	X026	9	
									15L
000001	8J18F	000000	8J17F	000000	2000	000151	X002	10	
	3J22G		3J25G		2013				I15L, I11H, I12H,
	8J20A		8J21A		3771				013H*014L, 013H
	3J20B		3J27B		2070		46, 45, 44		I8L, 010L* 011L*
	8J02G		8J06G		2070		21, 81, 121, 107		012L
	8J06E		8J25B		2070		80, 81		I9L, I13L
	3J19B		3J18B		2050		47, 46		011L, I5H
	8J06F		8J04F		2050		81		I7L, 013H
	3J22C		3J25C		2013		41, 42		I6L, 012H
	3J18F		3J13F		2060		47		010H, I11L* I12L,
	3J24E		3J12E		2900		40		I13L* I14L* I15L
	3J24G		3J28F		2900		40		09L, I5H, I6H
	3J19G		3J18G		2060		46		I7L
	8J14A		8J15A		2000		114		015H, I11L* I12L
	3J02A		3J07A		2920		21		I5H
	3J04B		3J03B		2920		21		I5H
									I19L
									I13L
000001	7J21E	000000	7J05E	000000	2020	000151	X003	11	
	7J21F		7J20F		2020				I13H, I14H, I15H
	3J02C		3J04C		2060		30, 15, 21		I13H, I14H, I15H
	8J15C		8J17C		2000		114		I12L
	4J28D		4J30D		2013		20		I5L
	4J13D		4J11D		2070		20		010H
	4J31D		4J03C		2060		20		012H
	4J29D		4J32D		2013		20		014H
									010H
000001	8J29C	000000	8J28C	000000	3621	000151	X022	12	
									I5L, I5L* I6L* I7L
000001	8J19D	000000	8J18D	000000	2013	400151	X022	13	
	8J19G		8J18G		2000		25		013L* 014L* 015L
							117		I12L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE			
000001	000000	000000	700002	X022	14	
3J22D	3J20D	2013	41,42			010L*C11L*012L
000001	000000	000000	777777	X026	15	
7J11F	7J10F	2000	104			15L
000001	000000	00X002	000000	X002	16	
8J28C	8J27C	3621	123			15L
8J17G	8J18G	2000	117			112L
000001	000000	000002	000000	X022	17	
8J28C	8J27C	3621	123			15L*I6L*I7L
000001	000000	000002	000151	X002	18	
3J23C	3J21C	2060	41,44			16L,I8L,014H, I8L*I9L*I10L
3J22D	3J20D	2013	41,42			I8L
8J22A	8J21A	3771	132			110L
3J18F	3J13F	2060	47			111L
3J19G	3J18G	2060	46			I8L
7J12G	7J11G	2000	104			15L
8J14B	8J15B	2000	114			15L
000001	000000	000006	000151	X003	19	
3J10A	3J08A	2050	107			15L
3J07D	3J06D	2920	22			111L
3J09A	3J07A	2920	23			15H
000001	000000	000076	000151	X003	20	
7J12F	7J11F	2000	104			15L
3J20A	3J05B	2080	44,45			18L
000001	000000	000507	777777	X222	21	
3J22C	3J25C	2013	41,42			010L*011L*012L
000001	000000	003402	000000	X000	22	
8J26C	8J25C	3621	123			15L,15L*I6L*I7L
8J21C	8J20C	3771	132			111L
000001	000000	003402	000151	X002	23	
8J21C	8J20C	3771	132			113L
000001	000000	003402	600553	X002	24	
8J26C	8J25C	3621	123			19L
000001	000000	007201	000000	X004	25	
3J24G	3J28F	2900	40			06H*06L,06H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
							PLATE		
000001		000000		145454		000151	X003	26	
	2J07G		2J06G		2090		73B		010L,15H
	2J17F		2J11F		2090		77B		010L,15H
	2J22G		2J21G		2090		75B		010L,15H
	2J09G		2J04G		2030		73B,74		I5L,010H,I5L*
	2J19F		2J09F		2030		77B,78		I6L*I7L*I8L*I9L
	2J24G		2J19G		2030		75B,76		I8L,010H,I5L*
	4J05B		4J06B		2040		110		I6L*I7L*I8L*I9L
	4J05E		4J06E		2040		109		I8L,010H,I5L*
	4J05G		4J06G		2040		108		I6L*I7L*I8L*I9L
									I11H,I12H
									I11H,I12H
									I11H,I12H
000001		000000		760054		000151	X003	27	
	3J19B		3J18B		2050		47,46		I13L
000001		000000		777777		000151	X002	28	
	8J06G		8J02G		2070		81		I9L,014H
	3J24F		3J28F		2900		40		I5H
000001		000002		000000		000151	X003	29	
	3J23C		3J21C		2060		41,44		I10L
000001		000004		407440		400151	X023	30	
	6J21A		6J22A		0651		165		I44H
000001		000100		005551		000151	X003	31	
	7J21D		7J20D		2013		37		I9L
000001		000100		763032		000151	X023	32	
	4J26E		4J24E		2920		91		I6L,I9L,I12L
000001		000115		000056		000151	X003	33	
	3J07F		3J04F		2920		22		I5L
000001		000135		504606		000151	X003	34	
	8J34D		8J33D		3780		129		I10L*I11L
000001		000135		570653		000151	X003	35	
	8J34D		8J33D		3780		129		I10H,I11H
000001		000147		XXXXXX		000151	X003	36	
	6J29B		6J27B		0400		143		I19H
	6J27C		5J27C		0280		135		032H
	8J34D		8J33D		3780		129		I10L
	3J17B		3J16B		2060		47		I8L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	3J17C 8J18A		3J09C 8J17A		2060 2000		48 115			I6L I5L
000001	6J27B	000147	6J25B	XXXXXX	0400	000151	139,142	X023	37	I25L, I26L
000001	6J27B	000706	6J25B	245350	0400	000151	139,142	X003	38	I42H
000001	3J34D	000706	3J33D	507312	2020	000151	04	X003	39	I9L
000001	6J21C	000706	6J19C	776766	0761	000151	135,136,138,175	X003	40	018H
000001	6J21A 8J07G	001464	6J22A 8J03G	400074	0651 2050	400151	165 81	X023	41	I41H, I42H, I36L I8L
000001	6J31B	007060	6J29B	740000	0400	000151	143,147	X003	42	I35H
000001	6J35C	010000	6J33C	000000	0900	000151	136,145	X003	43	I24H
000001	6J35C	022000	6J33C	000000	0900	000151	136,145	X003	44	I28H
000001	7J21B 7J25B 7J22B	360000	7J20B 7J24B 7J05B	633322	2020 2020 2070	000151	37 37 37	X003	45	I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H I7L, 013H
000001	8J18G	400000	8J17G	401624	2000	000000	117	X000	46	I12L
000001	3J04C	777777	3J17C	000000	2060	000151	20	X003	46A	013H
000002	3J03C 4J34D	000000	3J06C 4J32D	000000	2070 2013	000000	21 21	X000	46B	012H 013H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	CHAND	SYMPTOM	FAULT
				TYPE		PLATE		
000002	8J026	000000	8J066	000000	000151	X002	46C	013H
				2070		81		
000002	3J23C	000000	3J26C	000002	000151	X002	46D	014H
				2060		41		
000002	6J15C	000147	6J13C	xxxxxx	000151	X013	47	154L
				0761		137,175		
000003	8J066	000000	8J026	777777	000151	X002	47A	014H
				2070		81		
000003	3J22D	000147	3J20D	xxxxxx	000151	X003	48	19L
				2013		41,42		
000003	6J25A	000147	6J24A	xxxxxx	020151	X003	49	136H
				0651		163		
000004	3J18F	000000	3J20F	000000	000151	X002	49A	015H
				2060		47		
000005	3J19B	000000	3J11B	000000	000151	X002	49B	010H
				2050		46		
000011	6J35A	000147	6J34A	xxxxxx	440655	X007	50	136H
				0651		158		
000017	3J05G	000000	3J15G	000000	000000	X006	50A	015H
				2060		17		
000041	3J16A	000147	3J13A	xxxxxx	000151	X003	51	16L
				2060		48,28		
000056	8J34D	000147	8J32D	000636	000151	X003	51A	015H
				3780		129		
000073	6J29C	000147	6J31C	xxxxxx	000151	X003	52	131L,027H*028H, 134L
				0040		136		
	6J23C		6J21C	0761		135,138,175		154H
	6J27C		5J27C	0280		135		06H
000075	6J23C	000147	6J21C	xxxxxx	000151	X003	53	046L
				0761		135,138,175		
	6J27C		5J27C	0280		135		112L
000077		000000		000076	000151	X003	54	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	3J18F		3J13F		2060		47			I12L
000101	7J03B	000000	7J22B	000000	2070	000000	22	X000	54A	013h
000102	4J21C	000000	4J11C	000000	2070	000000	95	X000	55	I5L, 014L, 19H, 011H
	4J32E		4J30E		2900		103			I5H, I12H, 06H* 08L, 06H
	4J14C		4J15C		2000		85			I15L, 013H*014L, 013H
	4J21D		4J20D		2050		95			I8L, I5L*I6L, I7L* I8L
	4J23D		4J22D		2050		95			09H, I5L*I6L, I7L* I8L
	4J17C		4J16C		2000		87			I5L
	4J18C		4J19C		2000		87			I5L
	3J33D		3J11D		2020		04			I8L
000117	8J19C	000000	8J18C	000000	2000	000000	116	X006	56	I15L, I11H, I12H, 013H*014L, 013H
	4J24C		4J21C		2070		95			014L, 19H
	8J07C		8J06C		2050		80			010L, I11H, I12H
	4J14C		4J15C		2000		85			I5H, I6H
	4J21D		4J20D		2050		95			I7H, I8H
	4J23D		4J22D		2050		95			I5L, I8L
	4J08E		4J07E		2040		83			I10L
	4J22C		4J20C		2920		95			I9L
000117	4J21C	000000	4J11C	000400	2070	000000	95	X006	57	013L, I7H
	4J22C		4J20C		2920		95			I6L, 015H, I11L* I12L*I13L, I5L* I6L*I7L, I8L*I9L* I10L
000117	4J17C	000000	4J16C	777377	2000	000000	87	X006	58	I15L, I5H, I6H, 013H*014L, 013H
000117	4J08E	000000	4J07E	777377	2040	000151	83	X003	59	I9L
000122	8J18G	277770	8J17G	001742	2000	000000	117	X000	60	I7L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
000123	4J21C	000147	4J11C	XXXXXX	2070	000000	95	X003	61	I6L, 012H
000126	8J19G	000000	8J18G	000000	2000	400151	117	X022	62	I9L
000144	2J09G	000147	2J04G	XXXXXX	2030	000000	73B, 74	X003	63	010L, 15H, 16H, 17H, 18H, 19H 16L, 010H, 011H 16L, 010H, 011H I12H I12L
	2J07G		2J06G		2090		73B			
	2J08G		2J10G		2090		73B			
	4J29G		4J28G		2900		99			
	4J05G		4J06G		2040		108			
000145	4J08E	000147	4J07E	XXXXXX	2040	000151	83	X003	64	I12L
000150	8J22A	000000	8J21A	760054	3771	000151	132	X003	65	I11L
000202	7J11E	000000	7J10E	000000	2000	000000	104	X000	66	I5L
000223	6J30A	000147	6J29A	XXXXXX	0651	000000	161	X003	67	I36H, I44L, I48L I53H, I54H I28L, 052L I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L I7H, I8H, I9H, I10H I5L, 09H, I5L*I6L, I7L*I8L 011L, I5H I13H, I14H, I15H I8L I5L
	6J30E		6J29E		0651		170			
	6J17C		6J15C		0761		136, 137, 175			
	4J05E		4J06E		2040		109			
	7J08E		7J07E		2000		112			
	8J04E		8J03E		2050		112			
	4J11E		4J13D		2070		82, 83			
	8J07C		8J06C		2050		80			
	4J08E		4J07E		2040		83			
	4J22C		4J20C		2920		95			
000253	3J24G	005100	3J28F	020000	2900	000151	40	X022	68	I11L
000260	8J07G	000000	8J03G	000000	2050	400151	81	X022	69	I6L
000264		000000		000000		000000		X000	70	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	8J07F		8J06F		2050		81			010H
000302	4J21C	000000	4J11C	000000	2070	000000	95	X000	71	I7L, 013H
000317	4J10E	000000	4J09E	000000	2040	000000	83	X006	72	I7L
000317	4J09E	000000	4J08E	000000	2040	000151	83	X003	73	I7L
000317	4J20D	000000	4J21D	000600	2050	000000	95	X006	74	I12L, I13L
000317	4J18C	000000	4J17C	777577	2000	000000	87	X006	75	I15L, 013H*014L, 013H
000317	4J09E	000000	4J08E	777577	2040	000151	83	X003	76	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L I5H, I6H
000317	4J10E	000000	4J09E	777677	2040	000000	83	X006	77	I5L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
000364	4J26C 4J26D	000000	4J24C 4J25D	004000	2070 2050	000000	92, 95, 100 95	X006	78	015L, I10H I5L* I6L, I7L* I8L
000401	7J026	000000	7J136	000000	2050	000000	22	X000	78A	010H
000402	4J33C 4J22D 4J16C 4J21C	000000	4J32C 4J21D 4J15C 4J11C	000000	2900 2050 2000 2070	000000	102 95 85 95	X000	79	I5H, I12H, 06H* 08L, 06H I11L, I14L, 010H, I11L* I12L, I13L* I14L* I15L I15L, 013H* 014L, 013H 012L, I6H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANG PLATE	SYMPTOM FAULT
000402	7J12E	000000	7J11E	000051	2000	000151	X003 105	80 15L
000411	8J07F	000000	8J06F	000000	2050	000000	X000 81	81 112L
000417	4J16C 4J20D 4J22D 4J10E	000000	4J15C 4J21D 4J21D 4J09E	000000	2000 2050 2050 2040	000000	X006 85 95 95 83	82 15H,16H 17H,18H 112L,113L 110L
000417	8J17C 8J06C	000000	8J15C 8J03C	000000	2000 2050	000000	X010 116 80	83 115L,111H,112H, 013H*014L,013H 010L,111H,112H
000417	4J21C	000000	4J11C	000600	2070	000000	X006 95	84 011L,15H
000417	4J20C	000000	4J22C	007700	2920	000000	X006 95	85 15L,015H,111L* 112L*113L,15L* 16L*17L,18L*19L* 110L
000417	4J19C	000000	4J18C	777677	2000	000000	X006 87	86 115L,15H,16H, 013H*014L,013H
000417	4J10E	000000	4J09E	777677	2040	000151	X003 83	87 19L
000417	4J26E 4J25E	000000	4J24E 4J13E	777777	2920 2050	000000	X006 91 91,92	88 15L,015H,111L* 112L*113L,15L* 16L*17L,18L*19L* 110L 010L
000417	4J26E	000000	4J24E	777777	2920	000151	X047 91	89 18L
000423	8J03C	000147	8J06C	000000	2050	000151	X003 112	89A 010H
000423		000147		XXXXXX		000000	X003 90	90

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	4J20D		4J21D		2050		95			I13H, I14H, I15H
	4J15C		4J14C		2000		85			I5H, I6H
	4J09E		4J08E		2040		83			I10L
000423		000147		XXXXXX		000151		X003	91	
	4J33C		4J32C		2900		102			I9H, I14H, 013H*
										015L, 013H
	4J23D		4J22D		2050		95			I12L, I13L
	6J31A		6J32A		0651		160			
000423		000147		XXXXXX		000151		X007	92	
	6J31A		6J30A		0651		160			I36H, I44L, I48L
	6J31E		6J30E		0651		169			I53H, I54H
	6J17C		6J15C		0761		136, 137, 175			I32L
	4J06E		4J05E		2040		109			I5L, I7L, I9L,
										I11L, I14L, 015H,
										I5L*I6L, I7L*I8L,
										I9L*I10L, I11L*
										I12L, I13L*I14L
	7J07E		7J06E		2000		112			I15L, I7H, I8H,
										I9H, I10H, 013H*
										014L, 013H
	8J03C		8J07C		2050		112			I12L, 010H, I11L*
										I12L, I13L*I14L*
										I15L
	4J11D		4J10D		2070		83, 101			015L, I10H
	8J06C		8J07C		2050		80			I7H, I8H
	4J09E		4J08E		2040		83			I8L
000432		000706		170611		000151		X003	93	
	6J25B		6J27B		0400		139			I42H
000437		000706		000050		000151		X003	94	
	4J09E		4J08E		2040		83			I12L
000445		000147		XXXXXX		000151		X003	95	
	4J10E		4J09E		2040		83			I12L
000451		000000		000000		400151		X022	96	
	8J19G		8J18G		2000		117			I7L
000457		000000		000000		000151		X003	97	
	4J08F		4J07F		2040		82			I7L
000457		000000		777737		000000		X006	98	
	4J17B		4J16B		2000		87			I15L, 013H*014L,
										013H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT	
							PLATE			
000457	4J08F	000000	4J07F	777737	2040	000151	82	X003	99	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
	4J17B		4J16B		2000		87			15H
000471	8J19F	000000	8J18F	000000	2000	000000	117	X000	100	17L
000476	7J05B	000000	7J03B	000000	2070	000000	28,31,35	X000	101	15L, 011H
000477	4J09F	000000	4J08F	000000	2040	000002	82	X006	102	17L
000477	4J10F	000000	4J09F	000000	2040	600513	82	X006	103	17L, I11L
000477	4J09F	000000	4J08F	777757	2040	000002	82	X006	104	I5L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L I15L, I5H, I6H, 013H* 014L, 013H
000477	4J09F	000000	4J08F	777757	2040	000151	82	X003	105	19L
000477	4J10F	000000	4J09F	777767	2040	600513	82	X006	106	I5L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
000500	4J17D	001120	4J15D	000627	2013	000542	19	X000	106A	013H
000500	8J07G	077744	8J03G	402320	2050	000000	81	X000	107	I12L
000501	8J15D	000000	8J12D	000000	2013	000000	24	X000	108	I5L, I8L, I5H, I6H, 010L* 011L* 012L, 013L* 014L* 015L,

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	8J24B		8J32A		2013		122		013H*014H*015H I5H,I6H,I7H,I8H, I9H,010L*011L* 012L,010H*011H* 012H
	8J07D		8J03D		2013		107		I7L,I5H,I6H, 010L*011L*012L, 013H*014H*015H
	8J16D		8J12D		2013		24		I7L,I7H,I8H,I9H, 010H*011H*012H
	8J14B		8J15B		2000		114		I6L,I7L,I9L, I15H,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
	8J21C		8J20C		3771		132		I12L,I13H,I14H, I15H,I9L*I10L* I11L,I13L*I14L* I15L
	8J23A		8J22A		3771		132		I12L,I13H,I14H, I15H,I9L*I10L* I11L,I13L*I14L* I15L
	8J29A		8J28A		3640		122		I5L,I9L,015L, I11H,012H,014H
	3J23E		3J22E		2013		40,43.		I7H,I8H,I9H, 010H*011H*012H
	8J09D		8J08D		2013		21,25		I7H,I8H,I9H, 010H*011H*012H
	8J25C		8J24C		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	8J26C		8J24C		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	8J27C		8J24C		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	8J28C		8J24C		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	8J29C		8J24C		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	3J23D		3J21D		2060		40		I6L,014L,015L, I8H,I9H,I10H, I11H,I12H
	7J12B		7J02A		2160		106,107		015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H
	3J24B		3J23B		2060		41,15		I12L,014L,I8H, I9H,I10H,015H, I11L*I12L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	8J04D		8J29B		2060		24,121		18L,014L,I8H, 19H,I10H,014H, 18L*I9L*I10L
	8J24A		8J19A		2000		122		19L,I11L,I11H, I12H,I15H,013H* 014L,I11L*I12L
	8J17D		8J18D		2013		25		16L,010L*011L* 012L,013L*014L* 015L
	8J16F		8J02F		2020		107		113L,I5H,I6H, 17H,011H*012L, 113L*I14L*I15L, 011H
	8J27B		8J26B		3640		122		17L,012L,I5H, 013H
	3J24C		3J12C		2070		44,41,40,14		17L,I9L,013H, 014H
	3J27B		3J20B		2070		14,15		19L,012L,I6H, 014H
	8J02B		8J06B		2070		24,25		17L,011L,I5H, 013H
	8J30A		8J05A		2070		122		110L,014L,I9H, 015H
	8J02E		8J03E		2050		24,33		010L,I12L,I13L, 010H,I11L*I12L, I13L*I14L*I15L
	8J02D		8J03D		2013		06,105		15L,013L*014L* 015L
	7J09A		7J13A		2050		107		15L,I7L,09H,I5L* 16L,I7L*I8L
	7J18C		7J02C		2030		49,107		010L,I5H,I6H, 17H,I9H
	8J25A		3J35A		2120		122		18L,I15L,013H, I15H
	3J06E		3J04E		2060		24,19		18H,I9H,I10H
	3J26D		3J02E		2060		16		15L,013H,I5L* 16L*I7L
	8J11G		8J11E		2060		107,120		15L,013H,I5L* 16L*I7L
	3J08F		3J22F		2070		16,52,33,12		15L,011H
	3J16G		3J14G		2070		09,35,9,48		15L,011H
	8J02G		8J06G		2070		21,21,121,107		014L,I9H
	8J25B		8J12B		2070		122,107		17L,013H
	3J02D		3J31D		2050		16,25		09L,17H,I8H
	3J24A		3J22A		2013		15		19L
	8J16C		8J32A		2013		24,25		013L*014L*015L
	3J07C		3J05C		2920		24		015H,I11L*I12L* I13L,I5L*I6L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
										I7L, I8L*19L*
										I10L
	3J08D		3J05D		2060		22			I11L
	3J23F		3J25F		2013		40			013H
	3J31B		3J24B		2060		13			014H
	3J08D		3J05D		2060		22			010H
	3J34A		3J28A		2050		3			012H
	7J32B		7J31B		2020		31			012H
	7J32C		7J25C		2020		31			012H
	7J30C		7J24C		2020		31			012H

000501		000000		000002		000000		X000	109	
	3J15E		3J14E		2930		08,09			I12L

000502		000000		000000		000000		X000	110	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.										
	4J19G		4J18G		2000		88			I5L, I11L, I15H, 013L*014H, I5L* I6L, I7L*18L, I9L* I10L, I11L*112L, 014H
	7J11D		7J10D		2013		22			I7H, I8H, I9H, 010H*011H*012H
	8J24A		8J19A		2000		122			I5L, I7L, 013L* 014H, 15L*16L, I7L*I8L, I9L* I10L, 014H
	8J29C		8J28C		3621		123			I5H, I6H, I7H
	8J23A		8J22A		3771		132			I9H, I10H, I11H
	7J03C		7J16C		2070		22,23			I9L, 014H
	4J22B		4J21B		2050		96			09L, I5H, I6H
	4J22D		4J21D		2050		95			09L, I7H, I8H
	4J24B		4J23B		2050		96			010H, I11L*112L, I13L*114L*115L
	4J24D		4J23D		2050		95			010L, I11H, I12H
	8J16D		8J15D		2013		24			013L*014L*015L
	4J22A		4J20A		2920		96			015L, I5H, I6H, I7H
	4J22C		4J20C		2920		95			015L, I5H, I6H, I7H
	4J22F		4J20F		2920		94			015L, I5H, I6H, I7H
	4J23C		4J25C		2920		95			015L, I5H, I6H, I7H
	4J23F		4J25F		2920		94			015L, I5H, I6H, I7H
	7J10E		7J08E		2000		104			I7H, I8H
	7J12E		7J14E		2000		105			I7H, I8H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
	3J18G		3J17G		2060		08,46,		16L
	4J17A		4J16A		2000		87		15L
	4J17E		4J16E		2000		88		15L
	4J17F		4J16F		2000		88		15L
	4J18E		4J16E		2000		88		15L
	4J19C		4J18C		2000		87		15L
	4J19E		4J14F		2000		88		15L
	7J10A		7J08A		2000		105		18L
	7J10B		7J08B		2000		105		18L
	7J10C		7J08C		2000		105		18L
	7J11E		7J08E		2000		104		18L
	7J12G		7J11G		2000		104		18L

000502		000000		000002		000000	X000	111	
	3J18G		3J17G		2060		08,46,		17L

000502		000000		000004		000000	X000	112	
	3J18G		3J17G		2060		08,46,		15L*16L*17L

000503		000000		000000		000000	X000	113	
	8J22A		8J21A		3771		132		113H,114H,115H, 113L*114L*115L
	8J28C		8J27C		3621		123		15H,16H,17H
	3J15F		3J23F		2013		08,09		18L

000504		000000		000000		000000	X000	114	
	8J22A		8J21A		3771		132		19H,110H,111H, 19L*110L*111L

000505		000000		000000		000000	X000	115	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.									
	3J22C		3J25C		2013		41,42		15H,16H,013H* 014H*015H
	3J23E		3J22E		2013		40,43		15H,16H,013H* 014H*015H
	3J23B		3J21B		2060		41		014L,18H,19H, 110H,014H,18L* 19L*110L
	3J22F		3J08F		2070		41		17L,013L,17H, 013H
	8J06G		8J02G		2070		81		16L,110L,012H, 015H
	8J04G		7J16G		2080		40,107		09L,110H,111H, 112H,113H,114H, 115H
	3J21D		3J17D		2060		44		17L,013L,15H, 16H,17H
	7J10G		7J08G		2000		104		115L,17H,18H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	7J11G		7J12G		2000		104		013H*014L,013H I15L,I7H,I8H,
	8J14A		8J17A		2000		114		013H*014L,013H I15L,I5H,I6H,
	8J15A		8J17A		2000		114		013H*014L,013H I15L,I5H,I6H,
	8J17G		8J18G		2000		117		013H*014L,013H I15L,I11H,I12H,
	8J19G		8J18G		2000		117		013H*014L,013H I15L,I11H,I12H,
	8J07C		8J06C		2050		80		013H*014L,013H I12L,I13L,010H,
	3J28F		3J24G		2900		12		I11L*I12L,I13L* I14L*I15L
	3J31B		3J24B		2060		03,13,03		I12H,06H*08L, 06H
	3J29F		3J17F		2030		48,12		014L,I8H,I9H, I10H
	8J07E		8J04E		2050		80		011L,I12H,I13H, I14H,I15H
	3J21G		3J23C		2060		44		I12L,010H,I11L* I12L,I13L*I14L* I15L
	3J20B		3J27B		2070		46,45,44		I9L,014H,I8L* I9L*I10L
	3J27F		3J35F		2070		12		013L,I7H
	3J29E		3J20E		2070		14,13,12		I5L,011H
	8J06B		8J02B		2070		79,80		I9L,014H
	8J06E		8J25B		2070		80,81		012L,I6H
	8J07F		8J11F		2050		81		015L,I10H
	8J07G		8J03G		2050		81		09L,I5H,I6H
	8J28C		8J27C		3621		123		09L,I5H,I6H
	8J29C		8J27C		3621		123		I9L
	3J19C		3J18C		2060		45		I9L
	8J17F		8J15F		2000		117		014H,I8L*I9L* I10L
	8J18E		8J17E		2000		116		I7L,I12L
	8J19C		8J18C		2000		116		I7L,I12L
	8J20A		8J21A		3771		132		I11L
	8J22A		8J21A		3771		132		I13L
	8J23A		8J20C		3771		132		I10L
	3J24E		3J12E		2900		40		I9L
	3J24F		3J30E		2900		40		I9L
	3J20C		3J18C		2060		45		I8L
	8J06F		8J04F		2050		81		I12L
	3J20A		3J05B		2080		44,45		I6L

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TABLE E-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE			
000505	000000	000000	000000	X002	116	I9L,014H,I8L* I9L*I10L
3J24B	3J23B	2060	41,15			
000505	000000	000000	000000	X026	117	I9L,013L*015H, 015H
3J30E	3J28E	2960	13			
000505	000000	000000	000151	X002	118	014L,I9H I12L I6L
3J27B	3J20B	2070	14,15			
3J05B	3J22B	2080	19			
3J05C	3J07C	2920	19			
000505	000000	000000	307712	X002	119	I7L
8J15A	8J14A	2000	114			
000505	000000	010000	000000	X000	120	010H,I11L*I12L, I13L*I14L*I15L
8J06F	8J04F	2050	81			
000505	000107	000000	000151	X023	121	014L,I9H
4J10D	4J11D	2070	84,101,82			
000505	000147	000000	064065	X003	121A	010H
8J03B	8J07B	2050	111			
000505	000147	XXXXXX	000151	X003	122	I30H I12L
6J29B	6J27B	0400	143			
4J08F	4J07F	2040	82			
000505	000147	XXXXXX	610002	X003	122A	
6J33A	6J34A	0651	159			
000506	000000	000000	000000	X000	123	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
4J14A	4J15A	2000	85			I5L,I7L,I10L, I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
4J16A	4J15A	2000	85			I5L,I7L,I10L, I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
4J20G	4J13G	2050	94			09L,I11L,I14L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
									I5H, I6H, 010H, I11L* I12L, I13L* I14L* I15L
	4J19A		4J18A		2000		87		I11L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
	3J32D		3J29D		2013		05		I8L, 010L* 011L* 012L
	3J28F		3J24F		2900		12		I9H, 013H* 015L, 013H
	3J27E		3J26E		2060		12, 14		I5L, I6L, 013H, I5L* I6L* I7L
	8J07E		8J04E		2050		80		I6L, 09H, I5L* I6L, I7L* I8L
	3J23D		3J21D		2060		40		I10L, 014H, I8L* I9L* I10L
	3J24C		3J12C		2070		44, 41, 40, 14		014L, I9H
	3J29E		3J20E		2070		14, 13, 12		012L, I6H
	4J21F		4J26F		2070		94		I9L, 014H
	4J24F		4J26F		2070		94		I9L, 014H
	8J06E		8J25B		2070		80, 81		014L, I9H
	3J24E		3J12E		2900		40		I7L, I12L
	4J21G		4J22G		2050		94		09L, I5H, I6H
	4J23G		4J22G		2050		94		09L, I7H, I8H
	3J23F		3J15F		2013		40		I8L
	3J35E		3J34E		2013		04		I7L
	8J19E		8J18E		2000		116		I7L, I12L
	4J32B		4J30B		2900		102		I5L

000506		000000		000000		000000		X002	124
	8J14A		8J15A		2000		114		I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H

000506		000000		000000		000000		X022	125
	8J14A		8J15A		2000		114		I6L
	3J07F		3J04F		2920		22		015H

000506		000000		000000		000151		X022	126
	7J10G		7J08G		2000		104		I8L
	8J14A		8J15A		2000		114		I7L

000506		000000		000076		000151		X003	127
	4J22G		4J21G		2050		94		I5L

000506		000000		000151		000000		X000	128

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	3J29B		3J19B		2050		13			15H, 16H
000506	3J18A	000000	3J16A	000534	2060	000000	47	X002	129	013H, 15L*16L* 17L
	3J18B		3J11B		2050		47, 48			18H
	3J29G		3J26G		2040		12			18L
000506	4J24G	000000	4J23G	002076	2050	000151	94	X003	130	112L
000507	3J07D	000000	3J03D	000000	2920	000000	22	X000	130A	015H
000507	8J27C	000000	8J26C	000000	3621	000000	123	X002	131	15H, 16H, 17H
	8J15D		8J12D		2013		24			17L
000507	7J02A	000000	7J12B	000000	2160	000000	22	X022	131A	015H
000507	7J13F	000000	7J27F	000000	2050	000000	51	X421	131B	010H
000507	8J29A	000000	8J28A	000000	3640	000001	122	X002	132	013L, 17H
	8J02E		8J03E		2050		24, 33			111L
000507	3J23F	000000	3J15F	000000	2013	000151	40	X002	133	17H, 18H, 19H, 010H*011H*012H 113H, 114H, 115H, 113L*114L*115L 15L, 013L*014L* 015L
	8J20A		8J21A		3771		132			110L
	3J27D		3J25D		2013		12			111L
	3J28B		3J30B		2900		12			010H
	3J24B		3J23B		2060		41, 15			
	3J18B		3J11B		2050		48			
000510	3J32E	000000	3J25E	000000	2013	000000	04, 05	X002	134	17L
000510	7J10D	000000	7J02D	000000	2013	000000	22	X022	134A	013H
000510	8J20A	000000	8J21A	000000	3771	000151	132	X002	135	19H, 110H, 111H, 19L*110L*111L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	3J19D		3J10D		2013		05			I5L,013L*014L* 015L
	3J14E 8J16C		3J15E 8J24B		2930 2013		10,11 24,25			I10L, I9L* I10L I5L
000511		000000		000000		000000		X002	136	
	8J26C		8J25C		3621		123			I5H, I6H, I7H
000511		000000		000000		000151		X002	137	
	8J21C		8J20C		3771		132			I9H, I10H, I11H
000511		000000		000000		000151		X022	138	
	4J18F		4J17F		2000		88			I5L
000511		000000		000002		000000		X002	138A	
	3J24B		3J02B		2060		41			013H
000512		000000		000000		000000		X000	139	
	4J17A		4J16A		2000		87			I11L, I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000512		000000		000002		000151		X002	140	
	4J19F		4J18F		2000		88			I5L
000512		000003		000002		000151		X003	141	
	7J12G		7J11G		2000		104			I9L
000514		000000		000000		000000		X000	142	
	8J15C		8J17C		2000		114			I6L, I7L, I9L, I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000515		000000		000000		000000		X000	143	
	4J22F		4J20F		2920		94			I8H, I9H, I10H
000515		000000		000000		000151		X002	144	
	3J21E 4J23G 3J21C		3J19E 4J22G 3J20C		2060 2050 2060		44 94 44			015L, I11H, I12H I5H, I6H I10L
000515		000000		000000		000151		X003	145	
	8J18A		8J17A		2000		115			I15L, I11H, I12H, 013H* 014L, 013H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	4J20G		4J13G		2050		94		I13H, I14H, I15H
	8J06A		8J03A		2050		79		09L, I5H, I6H
	4J15A		4J14A		2000		85		I5H, I6H
	7J12F		7J11F		2000		104		I9L
	4J09G		4J08G		2040		82		I10L
000515		000000		000002		000000	X006	146	
	4J22G		4J21G		2050		94		I6L
000515		000000		000002		000151	X002	147	
	4J33D		4J32D		2013		19, 21		I5L
000515		000000		000006		340540	X006	148	
	4J21F		4J24F		2070		94		012L, I6H
000515		000000		000100		000151	X003	149	
	3J24C		3J12C		2070		44, 41, 40, 14		012L, I6H
	3J22B		3J05B		2080		41		05H, I6L * I7L * I8L
	3J05E		3J09D		2040		17		I8L
000515		000000		005013		000151	X003	150	
	3J22B		3J05B		2080		41		I8L
000515		000000		777775		000151	X003	151	
	4J18A		4J17A		2000		87		I5H, I6H
	4J09G		4J08G		2040		82		I9L
000515		000000		777775		340540	X006	152	
	4J18A		4J17A		2000		87		I15L, 013H * 014L, 015H
000516		000000		000000		000000	X022	153	
	3J15B		3J14B		2930		08, 09		I10L
000516		000000		000000		000151	X003	154	
	4J10G		4J09G		2040		82		I7L, I11L
	4J08A		4J07A		2040		84		I7L
	4J09A		4J10A		2040		84		I7L
000516		000000		000007		000147	X006	155	
	4J20G		4J13G		2050		94		I6L, I7L
000516		000000		000077		000147	X006	156	
	4J20F		4J11F		2920		94		I8L
000516		000000		007076		000151	X003	157	
	4J21G		4J20G		2050		94		I12L, I13L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
000516	4J17G	000000	4J16G	377777	2000	000147	88	X026	158	I15L, C13H*014L, 013H
000516	4J08A	000000	4J07A	377777	2040	000151	84	X003	159	I15L, I19L, I11L, I13L, C15H, I15L* I16L, I17L*I18L, I19L* I110L, I111L*I112L, I113L*I114L I15H, I16H
000516	4J18G	000000	4J17G	577777	2000	000147	88	X226	160	I15L, C13H*014L, 013H
000516	4J09A	000000	4J08A	577777	2040	000151	84	X003	161	I15L, I19L, I11L, I113L, C15H, I15L* I16L, I17L*I18L, I19L* I110L, I111L*I112L, I113L*I114L I15H, I16H
000516	8J02E	000000	8J06B	774607	2070	000575	24,25	X026	162	015L
000516	4J19A	000000	4J18A	777776	2000	000147	87	X006	163	I15L, C13H*014L, 013H
000516	4J10G	000000	4J09G	777776	2040	000151	82	X003	164	I15L, I19L, I113L, 015H, I15L*I16L, I17L*I18L, I19L* I110L, I111L*I112L, I113L*I114L I15H, I16H
000516	4J20E	000000	4J04E	777777	2920	000147	93	X006	165	I15L, I18L, I111L, 015H, I111L*I112L* I113L, I15L*I16L* I17L, I18L*I19L* I110L I15H, I16H
000516		000000		777777		000151		X003	166	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANU	SYMPTOM	FAULT
	4J08G		4J07G		2040		82			I11L
	4J10F		4J09F		2040		82			I9L
000517		000000		000000		000000		X006	167	
	8J24A		8J19A		2000		122			I9H, I10H
	4J20D		4J22D		2050		95			09L
	4J21D		4J22D		2050		95			09L
000517		000000		000000		000000		X022	168	
	4J18A		4J17A		2000		87			I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
000517		000000		000000		000000		X026	169	
	4J20G		4J13G		2050		94			010L
000517		000000		000000	777777			X026	170	
	3J07C		3J05C		2920		24			I11L
000517		000000		000040		000000		X006	171	
	4J26G		4J25G		2050		94			09H, I5L*I6L, I7L* I8L
000517		000000		000060		000151		X003	172	
	4J26G		4J25G		2050		94			010H, I11L*I12L, I13L*I14L*I15L
000517		000000		000600		000000		X006	173	
	4J20D		4J21D		2050		95			I11L*I12L, I13L* I14L*I15L
000517		000000		001000		001000		X006	173A	
	8J06B		8J02B		2070		80			011H
000517		000000		004000		000000		X006	174	
	4J26D		4J25D		2050		95			09H
000517		000000		006000		000000		X006	175	
	4J26D		4J25D		2050		95			010H
000517		000000		007000		000000		X006	176	
	4J21D		4J20D		2050		95			I11L*I12L, I13L* I14L*I15L
000517		000000		040000		000000		X006	177	
	4J21B		4J20B		2050		96			09H, I7L*I8L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
000517	4J20B	000000	4J12B	060000	2050	000000	96	X006	178	I11L*I12L
000517	4J20B	000000	4J12B	070000	2050	000000	96	X006	179	I7L*I8L
000517	4J21B	000000	4J20B	700000	2050	000000	96	X226	180	010H, I11L*I12L
000517	8J18D 8J02B	000000	8J17D 8J06B	774607	2013 2070	000575	25 24,25	X026	181	I6L I10H
000521	8J20C	000000	8J21C	000000	3771	000151	132	X003	182	I13H, I14H, I15H, I13L*I14L*I15L
000521	4J17A	000003	4J16A	000000	2000	000151	87	X003	183	I7L
000521	4J17A	000073	4J16A	000000	2000	000151	87	X003	184	I9L
000522	4J23F	000000	4J22F	000000	2920	000151	94	X003	185	I8H, I9H, I10H
000523	8J20C	000000	8J21C	000000	3771	000151	132	X003	186	I11L
000525	4J24G 4J18B	000000	4J23G 4J17B	000000	2050 2000	000000	94 87	X000	187	010L, I11H, I12H I5L, I5L*I6L
000525	8J21A	000001	8J20A	000000	3771	000151	132	X003	188	I9L
000526	4J21G	000000	4J20G	000072	2050	000151	94	X002	189	010H
000526	3J22C 8J21A 3J18B	000000	3J25C 8J20A 3J11B	000076	2013 3771 2050	000151	41,42 132 47,48	X003	190	I9L I13L I13L
000526	4J26G	000000	4J34G	004040	2050	000000	94	X003	190A	09H

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LGC	SWAP	TYPE	PLATE		FAULT
000529	000706	000002	000151	X003	190B
8J11D	8J12E	2920	119		015H
000532	000000	760054	000151	X003	191
4J23F	4J22F	2920	94		I11H, I12H, I13H, I14H
000534	000000	000000	000151	X003	192
3J16D	3J13D	2070	46		015L, I10H
3J02A	3J07A	2920	21		015L, I11H, I12H, I13H, I14H
3J11E	3J08E	2920	29		015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L*
3J19F	3J18F	2060	46		I10L 013H, I5L* I6L* I7L
3J02B	3J06B	2060	21, 12		I7L
3J24A	3J22A	2013	15		013H
000534	000000	000000	777777	X226	193
3J17C	3J09C	2060	48		014H, I8L* I9L* I10L
000534	000000	000020	000000	X000	194
4J15B	4J14B	2000	85		I5L, I7L, I11L, I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000534	000000	000076	000151	X003	195
3J226	3J256	2013	42		I7H, I8H, I9H, 010H* 011H* 012H
3J196	3J126	2060	46		014L, I8H, I9H, I10H
3J23C	3J21C	2060	41, 44		014L, I2H, I9H, I10H
3J22F	3J08F	2070	41		I5L, 011H
3J19F	3J18F	2060	46		I7L
000534	000000	630053	000151	X003	196
3J24E	3J12E	2900	40		I14H, 013H* 015L, 013H
8J066	8J026	2070	31		I7L, 013H
000534	000000	630053	000151	X013	197
8J186	8J176	2000	117		I15L, I11H, I12H,

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	8J07G		8J03G		2050		81			013H*014L,013H 010L,111H,112H
000534	4J15A	000002	4J14A	000200	2000	000000	85	X026	198	15L,17L,111L, 115H,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
000534	3J02G	000525	3J10G	051723	2050	000000	18	X006	199	17L,09H,15L*16L, 17L*18L
	7J23E		7J17E		2060		35,49,54			015L,111H,112H
000535	8J25C	000000	8J24C	000000	3621	000000	123	X000	200	15L,15L*16L*17L
000535	8J20C	000000	8J21C	000000	3771	000151	132	X002	201	110L
000536	4J10F	000000	4J09F	001076	2040	000151	82	X003	202	015L,19H,110H
	4J16B		4J15B		2000		85			16L
000537	4J24F	000000	4J21F	000000	2070	000000	94	X004	203	16L,012H
	4J26G		4J27G		2050		94			010L,111H,112H
	4J25G		4J24G		2050		94			17H,18H
	4J15B		4J14B		2000		85			110L
000537	4J24G	000000	4J23G	000000	2050	000002	94	X006	204	111L
000537	4J15B	000000	4J14B	000000	2000	000151	85	X003	205	19L
000537	8J07B	000000	8J03B	000002	2050	000171	79	X003	205A	010H
000537	4J24G	000000	4J23G	000020	2050	000002	94	X006	206	010H,111L*112L, 113L*114L*115L
000537	4J09F	000000	4J08F	000020	2040	000151	82	X003	207	015L,19H,110H
	4J15B		4J14B		2000		85			16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANG	SYMPTOM	FAULT
000537	8J07B	000000	8J04B	000020	2050	000171	79	X006	208	I12L,010H,I11L* I12L,I13L*I14L* I15L I7L,I12L
	8J18B		8J17B		2000		115			
000537	8J18B	000000	8J15B	000020	2000	000171	115	X036	208A	010H
000537	4J14D	000000	4J09D	000513	2013	000000	18	X026	209	I5L,013L*014L* 015L 011L,I5H
	3J03C		3J06C		2070		07,11,21,18			
000540	4J21F	000000	4J24F	000200	2070	000000	94	X000	210	I7L,013H
000541	7J12G	000000	7J11G	000000	2000	000000	104	X026	211	I15L,I7H,I8H, 013H*014L,013H I15L,I5H,I6H, 013H*014L,013H
	8J14B		8J15B		2000		114			
000541	4J27F	000000	4J25F	000000	2920	000151	91	X003	212	I5L,I8L,015H, I11L*I12L*I13L, I5L*I6L*I7L,I8L* I9L*I10L I11H,I12H,I13H, I14H
	4J27E		4J26E		2920		91			
000541	7J11F	000000	7J10F	000000	2000	000151	104	X023	213	I7H,I8H
000541	4J22F	000000	4J20F	000002	2920	000151	94	X003	214	I5L
000541	3J22E	000000	3J13E	000006	2013	000151	41,43	X003	215	17H,I8H,I9H I5L,013L*014L* 015L 013L,I7H I7L,09H,I7L*I8L 010L*011L*012L I7L I11H,I12H I6H,I7H
	4J03D		4J02D		2013		05			
	3J14A		3J12A		2070		08,27,107			
	3J10A		3J28A		2050		107			
	4J05D		4J04D		2013		17,26			
	4J06D		4J07D		2013		17,26			
	3J08A		3J28A		2050		17,23			
	3J09A		3J07A		2920		23			

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 9-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	3J18A		3J16A		2060		47			I12L
	3J26C		3J23C		2060		22,35			I12L
	3J26D		3J23D		2060		16			I7L
	3J19E		3J18E		2050		47,46			I6L
	3J08C		3J22E		2080		22			I6L
	3J29G		3J26G		2040		12			I14H
	3J19F		3J06F		2060		46			014H
000541	8J18F	000000	8J17F	000010	2000	000000	117	X000	216	I12L
000541	3J23C	000000	3J21C	000076	2060	000151	41,44	X003	217	015L, I11H, I12H
	3J13D		3J04D		2070		07,29,10			I6L, 012H
	8J23A		8J22A		3771		132			I9L
	3J21F		3J20F		2060		44			I11L
	7J10F		7J08F		2000		104			I7L
	7J11F		7J12F		2000		104			I7L
	4J35C		4J35B		2220		21,29			015L
000541	3J17E	000000	3J16E	000217	2060	000151	47	X003	218	015H, I11L*I12L
000541	3J22D	000000	3J20D	000527	2013	000151	41,42	X003	219	013L*014L*015L
000541	3J21E	000000	3J02E	000532	2060	000151	44	X003	219A	014H
000541	3J21D	000000	3J17D	000532	2060	000151	44	X007	220	013H, I5L*I6L* I7L
000541	3J21G	000000	3J19G	000606	2060	000000	45	X023	221	I9L, 015L, I11H, I12H, 014H, I8L* I9L*I10L
000541	3J17A	000000	3J14A	074747	2070	000151	47,48	X003	222	014L, I9H
	3J08A		3J10A		2050		17,23			I6L
000541	3J08E	000000	3J02E	173717	2060	000151	23	X003	222A	013H
000541	3J07A	000000	3J02A	212537	2920	000151	23	X003	222B	015H

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHANG	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE			
000541	000000	505050	000151	X003	223	
3J20D	3J19D	2013	45			19L
000541	000000	570617	000151	X003	224	
3J17G	3J15G	2060	47			015L, I11H, I12H
000541	000000	760054	000151	X003	225	
3J15G	3J05G	2060	55, 35, 34			014L, I8H, I9H, I10H
3J21B	3J17B	2060	44			015L, I11H, I12H
3J14G	3J09G	2070	55, 35, 29			I6L, 012H
7J20G	7J21G	2020	35			I5H, I6H, I7H
7J10E	7J08E	2000	104			I5H, I6H
7J12E	7J11E	2000	105			I5H, I6H
3J02G	3J10G	2050	18			I12L
3J03G	3J06G	2040	18			I11L
3J05A	3J04A	2040	19			I11L
000541	000000	774757	000151	X003	226	
8J21A	8J20A	3771	132			I15L
000541	000000	777777	000151	X003	227	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.						
4J32C	4J30C	2900	89			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 08H, 015H
4J32F	4J33F	2900	90			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 08H, 015H
4J33B	4J32B	2900	89			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 08H, 015H
4J33E	4J32E	2900	90			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 08H, 015H
4J33G	4J32G	2900	90			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 08H, 015H

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	4J34A		4J33A		2900		89			I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
	4J34C		4J33C		2900		89,90			I9L, 08H, 015H I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
	4J34F		4J33F		2900		90			I9L, 08H, 015H I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
	4J05D		4J04D		2013		17,26			I9L, 08H, 015H I7H, I8H, I9H, 010H*011H*012H
	2J14F		2J13F		2013		59A			I5H, I6H, 013H* 014H*015H
	4J32D		4J30D		2013		19,21			I7L, 010L*011L* 012L
	7J19F		7J16F		2060		26,52			014L, I8H, I9H, I10H
	4J13G		4J04G		2050		33			010L, I13H, I14H, I15H
	4J34G		4J27G		2050		33			010L, I13H, I14H, I15H
	4J31G		4J12G		2060		19,30			015L, I11H, I12H
	4J04A		4J21A		2070		47,33			I7L, 013H
	4J26F		4J24F		2070		91,94,100			I5L, 011H
	7J03G		7J09G		2070		26,35,53			I9L, 014H
	7J16C		7J03C		2070		50,51			I9L, 014H
	4J28E		4J02E		2900		100			I5L, I14L
	4J28F		4J02F		2900		100			I5L, I14L
	4J28G		4J02G		2900		99			I5L, I14L
	4J29E		4J02E		2900		100			I5L, I14L
	4J29F		4J02F		2900		100,99			I5L, I14L
	4J29G		4J02G		2900		99			I5L, I14L
	4J30E		4J32E		2900		100			I5L, I14L
	4J30F		4J33F		2900		99			I5L, I14L
	4J30G		4J32G		2900		99			I5L, I14L
	4J32A		4J30A		2900		89			015H, 010H

 000541 000000 xxxxxx 000151 x003 227A
 3J22F 3J35F 2070 41 015H
 4J35B 4J35C 2220 29 014H

000541 000001 777777 000151 x003 228

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANU	SYMPTOM	FAULT
	4J33D		4J32D		2013		19,21			17L,010L*011L*012L
	3J06C		3J03C		2070		17,38,19			014L,19H
	4J33G		4J32G		2900		90			17L
	3J17B		3J16B		2060		47			I12L
000541	4J19C	000004	4J18C		2000	000151	87	X003	229	16L
000541	8J12B	000044	8J06B		2070	000151	118,119	X003	230	17L,013H
	8J13C		8J11C		2050		118,119			09L,15H,16H
	8J19B		8J18B		2000		115			15L,18L
	8J35C		8J34C		3780		129			I10L
000541	3J21C	000102	3J20C		2060	000151	44	X007	231	014L
000541	8J13C	000104	8J11C		2050	000151	118,119	X003	232	010L,111H,112H
	8J17C		8J15C		2000		116			I8L
000541	3J21E	000105	3J19E		2060	000151	44	X007	233	111L
000541	3J21C	000105	3J20C		2060	000151	44	X007	234	110H
000541	4J17B	000107	4J16B		2000	000151	87	X003	235	16L
000541	3J21C	000107	3J20C		2060	000151	44	X007	236	18H
000541	4J02E	000113	4J28E		2900	000151	39	X003	237	15L
000541	4J11E	000115	4J13D		2070	000151	82,83	X003	238	015L,110H
	4J35E		4J31E		2030		29			I14L
000541	4J03F	000115	4J12G		2060	000151	39	X003	239	013L,014L,015L,15H,16H,17H,18H,19H,110H,111H,112H
	4J02G		4J28G		2900		39			15L,17L,114L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	3J20F		3J19F		2060		27,45			014L, I8H, I9H, I10H
	4J03C		4J04C		2060		39			014L, I8H, I9H, I10H
	3J26C		3J23C		2060		22,35			015L, I11H, I12H
	3J18D		3J16D		2070		47			I10L, O15H
	3J20G		3J16G		2070		8,45			I6L, O12H
	4J02F		4J28F		2900		39			I5L, I7L
	3J22D		3J20D		2013		41,42			I5L
	3J18B		3J11B		2050		47,40			I5H, I6H
	4J02E		4J28E		2900		39			I7L
	4J06G		4J05G		2040		106			I11L, I14L
	3J11A		3J06A		2060		27,30			I5L
	4J31D		4J04C		2060		20,21			I7L
	4J14F		4J17F		2000		86			I12L
	4J15F		4J17F		2000		86			I12L
	4J16F		4J17F		2000		86			I12L
	4J16G		4J15G		2000		86			I12L
	7J20A		7J11A		2000		37			I6L
	3J03G		3J06G		2040		18			I6L
	3J05E		3J09D		2040		17			I6L
	3J05F		3J09D		2040		17			I9L
	4J09G		4J08G		2040		82			I8L
	3J09A		3J07A		2920		23			I5L
	3J13G		3J07G		2920		35			I14L

000541		000115		000061		000151		X003	240	
	4J35E		4J31E		2030		29			011H, I12L* I13L* I14L
	4J35C		4J35B		2220		21,29			I13H

000541		000116		000050		000151		X007	241	
	3J29F		3J17F		2030		48,12			I13L

000541		000130		550631		000151		X003	242	
	8J17A		8J15A		2000		115			I5L
	8J35D		8J33D		3780		129			O15H

000541		000134		003406		000151		X003	243	
	4J35E		4J31E		2030		29			I15L

000541		000134		003450		000151		X003	244	
	7J06G		7J07G		2000		111			I15L, O13H* O14L, O13H
	8J17A		8J15A		2000		115			I5H, I6H

000541		000134		003550		000151		X003	245	
	3J25E		3J23E		2013		16			I7L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANG	SYMPTOM	FAULT
	7J06G		7J07G		2000		111			15H, 16H
	4J22G		4J21G		2050		94			111L, I114L
	7J02B		7J15A		2060		22, 23, 49			111L
000541	4J06G	000140	4J05G	000054	2040	000151	108	X003	246	15L, 17L, 19L, 015H, I5L*I6L, 17L*18L, 19L* 110L, I11L*I12L, I13L*I14L 17H, 18H
	7J07G		7J06G		2000		111			
000541	4J30G	000142	4J29G	000054	2900	000151	99	X003	247	19H, 013H*015L, 013H
000541	4J17A	000143	4J16A	007600	2000	000151	87	X003	248	16L
000541	2J13B	000143	2J30E	505050	2040	000151	60	X007	249	19L, I13L*I14L
	2J15D		2J15C		2920		61			16H
000541	8J17A	000145	8J15A	501100	2000	000151	115	X003	250	18L
000541	4J35B	000146	4J35C	015100	2220	000151	29	X003	250A	015H
000541	3J17A	000147	3J12A	000000	2070	000151	47	X003	250B	012H
	3J12E		3J30E		2900		29			015H
	4J31G		4J12G		2060		19			015H
	7J04E		7J30E		2060		134			012H
	8J12B		8J02B		2070		118			015H
000541	6J27C	000147	5J27C	XXXXXX	0280	000151	135	X003	251	13H, 19H, I11H, I12H, I15H, I34H, I35H, I37H, I41H, I45H, I51H, I52H, I3L, I4L, I5L, I11L, 013L, I14L, I15L, I16L, I17L, 016L, 020L, I22L, 023L, I24L, 026L, I29L, 030L, I31L,

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
									032L, 036L, 139L, 040L, 141L, 142L, 145L, 046L, 148L, 151L, 152L, 028H, 023H, 054H, 053H, 018H, 013H, 020H, 026H, 047H, 046H, 06L, 010L, 054L, 053L
	6J29C		6J31C		0040		136		110H, 111H, 119H, 123H, 130H, 134H, 136H, 139H, 141H, 143H, 151H, 19L, 119L, 139L, 151L, 017H*025H, 045H* 048H, 047H*053H, 015L*020L, 017L* 025L, 027L*028L, 045L*048L, 047L* 053L, 110L, 112L, 121L, 122L, 141L, 142L, 152L, 154L
	6J33C		5J35C		0900		136, 135, 145		123H, 127H, 151H, 153H, 13L, 14L, 115L, 116L, 011H* 012H, 021H*022H, 029H*030H, 035H* 036H, 039H*040H, 041H*042H, 09L* 010L, 011L*012L
	6J35C		5J35C		0900		136, 145		16H, 116H, 123H, 127H, 131H, 15L, 16L, 115L, 116L, 09H*010H, 017H* 018H, 021H*022H, 029H*030H, 035H* 036H, 09L*010L, 017L*018L
	6J25C		5J25C		0260		135		04H, 127H, 04L, 129L
	6J23B		6J23D		0421		140		144H, 146H, 149H, 152H, 146L, 148L, 152L
	6J36B		6J23D		0421		143		144H, 146H, 149H, 152H, 146L, 148L, 152L
	6J13C		5J23C		0761		137, 175		018H, 154H, 010L, 018L, 120L, 046L,

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
	6J19C	5J23C			0761		135,136,138,175		06L*018H*024H, 019L*010H*012H 018H,026H,046H, 010L,026L,134L, 046L,154L
	6J21C	5J23C			0761		135,136,138,175		026H,046H,010L, 018L,026L,134L, 046L
	6J23C	5J23C			0761		135,138,175		046H,010L,012L, 018L,024L,151L, 154L
	6J37C	6J31C			0040		136,145		110H,111H,130H, 131H,129L,027H* 028H,015L*020L, 027L*028L,130L, 132L
	6J17C	5J23C			0761		136,137,175		018H,026H,010L, 020L,03L*04L, 03H*04H
	6J25B	6J31B			0400		139		135H,139L,141L, 142L
	6J27B	6J31B			0400		139,142		127H,127L,129L, 130L
	6J15C	5J23C			0761		137,175		046H,010L,018L, 151L
	6J19B	6J38B			0431		142		152H,154H,147L, 148L,152L
	6J21B	6J38B			0431		139		152H,154H,147L, 148L,152L
	6J29B	6J31B			0400		143		133L,135L,136L
	6J34B	6J25D			0400		140,142		133L,135L,136L
	6J32B	6J31B			0400		140		129H
	7J21D	7J19D			2013		37		15H,16H,17H,18H, 19H,010H*011H* 012H,013H*014H* 015H
	7J24D	7J25D			2013		37		15L,17H,18H,19H, 013L*014L*015L, 010H*011H*012H
	6J40B	6J38B			0431		142		148H
	7J31F	7J26F			2020		134		18L,114L,115L, 15H,17H,114H, 115H,011H*012L, 113L*114L*115L, 15L*16L*17L,18L* 19L*110L,011H, 012H
	4J32F	4J30F			2900		90		17L,19H,112H,

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
									06H*08L,013H* 015L,06H,013H I7L,I9H,I12H, 06H*08L,013H* 015L,06H,013H I7L,I9H,I12H, 06H*08L,013H* 015L,06H,013H I15L,I5H,I6H, I7H,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H I7H,I8H,I9H, 010H*011H*012H
	4J33E		4J32E		2900		90		
	4J34C		4J33C		2900		89,90		
	7J20B		7J21B		2020		37		
	7J08D		7J07D		2013		23		
	8J07D		8J03D		2013		107		
	4J28F		4J02F		2900		100		
	4J29E		4J28E		2900		100		
	4J29F		4J30F		2900		100,99		
	4J30E		4J32E		2900		100		
	4J34F		4J33F		2900		90		
	7J04D		7J02D		2013		23,106		
	7J20D		7J19D		2013		37		
	7J24B		7J21B		2020		37		
	7J24C		7J05C		2020		37		
	7J19A		7J18B		2030		37		
	7J20C		7J14C		2000		37		
									I15L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H I7L,011L,010H, I12H,I13H,I14H, I15H,I5L*I6L* I7L*I8L*I9L I5L,I15L,I9H,

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TABLE 8-11. FOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
									110H, 013H*014L, 013H
	7J22B		7J05B		2070		37		15L, 015L, 110H, 011H
	4J04B		4J02B		2900		27		19L, 114L, 013L* 015H, 015H
	8J11A		8J07A		2050		118		09L, 010L, 17H, 18H, 111H, 112H
	8J13A		8J03B		2050		118		09L, 010L, 15H, 16H, 111H, 112H
	7J22C		7J19C		2060		37		15L, 16L, 112L, 015H, 111L*112L
	7J23F		7J19F		2060		35, 36		015L, 111H, 112H, 014H, 18L*19L* 110L
	8J19E		8J18E		2000		116		115L, 111H, 112H, 015H*014L, 013H
	7J02C		7J18C		2030		23, 30		010L, 15H, 16H, 17H, 18H, 19H
	4J30D		4J29D		2013		20		15L, 013L*014L* 015L
	4J34D		4J33D		2013		19, 21		18L, 010L*011L* 012L
	7J03D		7J02D		2013		06		15L, 013L*014L* 015L
	3J02C		3J09C		2060		30, 15, 21		014L, 18H, 19H, 110H
	3J04C		3J09C		2060		20		014L, 18H, 19H, 110H
	3J13A		3J11A		2060		27		013H, 014H, 15L* 16L*17L, 18L*19L* 110L
	3J16B		3J02B		2060		42, 27, 36		014L, 18H, 19H, 110H
	3J17B		3J21B		2060		47		014L, 18H, 19H, 110H
	3J21G		3J19G		2060		45		013L, 15H, 16H, 17H
	8J11C		8J11E		2060		107, 120		013L, 15H, 16H, 17H
	7J09A		7J13A		2050		107		010L, 113H, 114H, 115H
	3J22L		3J02C		2080		41		05L, 16H, 17H, 18H
	7J21C		7J14C		2060		37		115L, 013H*014L, 013H
	3J14A		3J12A		2070		08, 27, 107		012L, 16H
	3J16D		3J13D		2070		48		014L, 19H
	3J24C		3J12C		2070		44, 41, 40, 14		16L, 012H

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	CHAND	SYMPTOM	FAULT
				TYPE		PLATE		
	7J03C		7J16C	2070		22,23		I5L,011H
	7J09G		7J03G	2070		36,53		I5L,011H
	7J31E		7J29E	2070		07		I9L,014H
	8J02G		8J06G	2070		21,81,121,107		I9L,014H
	8J05A		8J30A	2070		79		I7L,013H
	8J06B		8J02B	2070		79,80		O15L, I10H
	8J06E		8J25B	2070		80,81		I9L,014H
	8J12B		8J25B	2070		118,119		I10L, C15H
	8J12F		8J25B	2070		107,119,120		I5L,011H
	7J22G		7J21G	2020		36		O11H*O12L, I13L* I14L*I15L, O11H.
	8J07E		8J04E	2050		80		O9L, I5H, I6H
	7J06D		7J07D	2013		23		I6L
	8J32A		8J31A	2013		122		O13L*O14L*O15L
	3J26D		3J23D	2060		16		O15H, I11L*I12L
	7J15E		7J04E	2060		51,107		O14H, I8L*I9L* I10L
	3J05E		3J09D	2040		17		I7L, I7H, I8H
	7J12F		7J11F	2000		104		I5H, I6H
	8J19A		8J24A	2000		115		I5L, I8L
	3J02D		3J31D	2050		16,25		I13L, I14L
	8J33D		8J32D	3780		129		I10L
	3J24E		3J12E	2900		40		I12H
	4J32C		4J30C	2900		89		I7L
	4J33B		4J32B	2900		89		I7L
	3J16A		3J18A	2060		48,28		I6L
	3J21F		3J20F	2060		44		I8L
	8J11B		8J16B	2060		118		I11L
	4J19A		4J18A	2000		87		I6L
	7J06E		7J07E	2000		112		I9L
	7J06F		7J08F	2000		111		I9L
	7J07F		7J08F	2000		111		I9L
	7J08G		7J07G	2000		111		I9L
	7J11G		7J10G	2000		104		I6L
	8J18A		8J17A	2000		115		I8L
	7J21A		7J03A	2020		37		I6L
	8J15G		8J14G	2050		24,120		I12L
	3J03F		3J16F	2030		20		I7L
	3J23A		3J03E	2030		41		I5L
	3J05B		3J20A	2080		19		I13L
	3J21A		3J19A	2160		44		I10L
	3J05A		3J04A	2040		19		I8H
	3J05C		3J07C	2920		19		I7L

000541 000147 XXXXXX 000151 X007 252
 3J21C 3J20C 2060 44 I9H

000541 000157 000000 000151 X003 252A

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
	3J04D		3J13D		2070		20		012H
000541		000525		000523		000151	X003	253	
	3J13G		3J07G		2920		35		18L
000541		000532		000034		000151	X007	254	
	3J21E		3J19E		2060		44		015H
000541		000532		000060		000151	X007	255	
	3J21E		3J19E		2060		44		I11L*I12L
000541		777777		000056		000151	X003	256	
	4J02D		4J03D		2013		38		I7L, 010L*011L* 012L
	3J06C		3J03C		2070		17,38,19		013L, I7H
000542		000000		000000		000000	X000	257	
	4J14B		4J15B		2000		35		I5L, I7L, I10L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J24F		4J21F		2070		94		I5L, 011H
	4J26F		4J21F		2070		91,94,100		I9L, 014H
	4J26G		4J25G		2050		94		09L, I5H, I6H
	4J27G		4J34G		2050		91,94		I13H, I14H, I15H
	4J34B		4J33B		2900		102		I14L
	4J17B		4J16B		2000		87		I5L*I6L
000542		000000		000000		000151	X003	258	
	4J26G		4J25G		2050		94		I11L, I14L
	6J21A		6J22A		0651		165		
	8J03G		8J07G		2050		113		010H
	4J05F		4J07F		2040		108		015H
000542		000000		000002		000151	X002	259	
	4J21G		4J20G		2050		94		I11L, I14L
000542		000000		101010		000151	X003	260	
	4J05F		4J06F		2040		108		I5L, I7L, I9L, I12L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	7J08F		7J07F		2000		111		I15L, I7H, I8H, 013H*014L, 013H
	2J14G		2J09G		2030		74A,74B		011L, I12H, I13H,

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	2J15G		2J13G		2090		74B			I14H, I15H
	2J16G		2J17G		2090		74B			I6L, 010H, 011H
	8J19B		8J18B		2000		115			I5H, I6H
	4J28G		4J02G		2900		99			I9H

000542		000000		105050		000151		X003	261	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.										
	6J21A		6J22A		0651		165			I36H, I53H, I44L, I47L, I48L
	6J23C		6J21C		C761		135, 138, 175			I25L, I28L, 052L
	6J21E		6J22E		0651		174			I54H
	6J29B		6J27B		0400		143			I39H
	6J31B		6J32B		0400		143, 147			I36H
	6J38B		6J21B		0431		139			I48H
	4J28E		4J02E		2900		100			I5H, I14H, 06H* 08L, 013H*015L, 06H, 013H
	4J33G		4J32G		2900		90			I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J05A		4J06A		2040		110			I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
	7J08A		7J07A		2000		113			I15L, I7H, I8H, I9H, I10H, 013H* 014L, 013H
	3J17B		3J16B		2060		47			013L, I5H, I6H, I7H
	8J03G		8J09G		2050		113			I12L, 010H, I11L* I12L, I13L*I14L* I15L
	4J10D		4J11D		2070		84, 101, 82			011L, I5H
	8J06B		8J02B		2070		79, 80			014L, I9H
	8J07G		8J09G		2050		81			I7H, I8H
	3J24G		3J28F		2900		40			I9L
	4J08A		4J07A		2040		84			I8L

000542		000000		115151		000151		X003	262	
	2J02G		2J03G		2090		73			010L, I5H
	2J07F		2J06F		2090		77			010L, I5H
	2J17G		2J16G		2090		75			010L, I5H
	2J04G		2J09G		2030		73, 73A			I5L, 010H, I5L* I6L*I7L*I8L*I9L
	2J19G		2J14G		2030		75, 75A			I8L, 010H, I5L* I6L*I7L*I8L*I9L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	CHANU	SYMPTOM	FAULT
	4J07E		4J06B		2040		110		111H,112H
	4J07E		4J06E		2040		109		111H,112H
	4J07G		4J06G		2040		108		111H,112H
	2J09F		2J04F		2030		77,77A		18L
000542	000001		000677		000151		X003	263	
	3J25D		3J22D		2013		16		17L
000542	000014		610505		000151		X003	264	
	6J29B		6J27B		0400		143		136H
000542	000147		000000		000000		X023	264A	
	8J04E		8J02E		2050		112		010H
000542	000147		000000		000151		X003	264B	
	4J07F		4J09F		2040		108		015H
	8J03A		8J06A		2050		111		010H
	8J25D		8J29D		3680		124		06H,08H
000542	000147		000000		000151		X023	264C	
	7J08D		7J02D		2013		23		013H
000542	000147		XXXXXX		000000		X023	265	
	6J29A		6J28A		0651		161		136H,144L,148L
	6J29E		6J28E		0651		170		153H,154H
	6J19C		6J17C		0761		135,136,138,175		130L
	4J07C		4J06C		2040		109		15L,17L,19L, 111L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
	7J06C		7J07C		2000		112		115L,17H,18H, 19H,110H,013H* 014L,013H
	8J04E		8J03E		2050		112		112L,010H,111L* 112L,113L*114L* 115L
	4J11D		4J10D		2070		83,101		012L,16H
	7J08D		7J07D		2013		23		013H*014H*015H
	8J07C		8J06C		2050		80		17H,18H
	4J10C		4J09C		2040		83		18L
000542	000147		XXXXXX		000151		X003	266	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.									
	6J30A		6J29A		0651		161		140H,142H,144H, 148H,136L,152L
	6J23A		6J22A		0651		164		136H,153H,144L, 147L,148L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE	FAULT	
6J26A	6J21A	0651	163	I40H, I42H, I44H, I36L, I52L	
6J28A	6J27A	0651	162	I40H, I42H, I44H, I36L, I52L	
6J23C	6J21C	0761	135, 138, 175	I27L, I30L, 053L	
6J23E	6J22E	0651	173	I54H	
6J27B	6J25B	0400	139, 142	I29H, I30H	
6J17C	6J15C	0761	136, 137, 175	052H	
6J27C	5J27C	0280	135	030H	
4J33B	4J32B	2900	89	I10L, I9H, I12H, 06H*08L, 013H* 015L, 06H, 013H	
7J25C	7J24C	2020	37	I15L, I5H, I6H, I7H, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H	
4J07A	4J06A	2040	110	I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L	
4J28G	4J02G	2900	99	I7L, I5H, I14H, 06H*08L, 06H	
7J06A	7J07A	2000	113	I15L, I7H, I8H, I9H, I10H, 013H* 014L, 013H	
7J21C	7J20C	2000	37	I5H, I6H, I9H, I10H	
8J03F	8J04F	2050	113	I12L, 010H, I11L* I12L, I13L*I14L* I15L	
3J04D	3J13D	2070	20, 07, 18	012L, I6H	
4J11C	4J21C	2070	03, 84	011L, I5H	
8J05A	8J30A	2070	79	I9L, 014H	
4J34F	4J33F	2900	90	I7L, I10L	
4J30D	4J29D	2013	20	I6L	
8J07F	8J11F	2050	01	I7H, I8H	
7J19A	7J18B	2030	37	I8L, I9L	
4J28E	4J02E	2900	100	I7L	
4J28F	4J02F	2900	100	I7L	
4J29E	4J02E	2900	100	I7L	
4J29F	4J02F	2900	100, 99	I7L	
4J29G	4J30G	2900	99	I7L	
4J30E	4J32E	2900	100	I7L	
4J30F	4J33F	2900	99	I7L	
4J32C	4J30C	2900	89	I10L	
4J32F	4J33F	2900	90	I10L	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANG	SYMPTOM	FAULT
	4J33E		4J32E		2900		90			110L
	4J33G		4J32G		2900		90			110L
	4J34C		4J33C		2900		89,90			110L
	7J21F		7J20F		2020		36			18L
	8J06F		8J04F		2050		81			114L
	8J07C		8J06C		2050		80			114L
	8J07E		8J04E		2050		80			114L
	4J10A		4J09A		2040		84			18L
	4J22F		4J20F		2920		94			110L
	4J27E		4J26E		2920		91			113L
	6J37A		6J33A		0651		157A			
	6J25A		6J24A		0651		163			
000542	7J08D	000147	7J07D	XXXXXX	2013	000151	23	X013	267	15H, 16H
000542	6J37A	000147	6J36A	XXXXXX	0651	000153	157A	X007	268	136H
000542	4J07F	000147	4J06F	004040	2040	000151	108	X003	269	15L, 17L, 19L, 112L, 015H, 15L* 16L, 17L*18L, 19L* 110L, 111L*112L, 113L*114L
	4J29G		4J28G		2900		99			19H, 013H*015L, 013H
	2J09G		2J04G		2030		73B, 74			011L, 112H, 113H, 114H, 115H
	2J10G		2J08G		2090		74			16L, 010H, 011H
	2J11G		2J12G		2090		74			16L, 010H, 011H
	7J06F		7J07F		2000		111			17H, 18H
000542	7J19E	450000	7J16E	041006	2070	000151	35, 36, 52	X003	270	15H
000543	4J23G	000000	4J22G	000002	2050	000000	94	X026	271	010L, 111H, 112H
000543	4J18A	000001	4J17A	000000	2000	000151	87	X003	272	17L
000543	6J27A	000147	6J26A	XXXXXX	0651	000151	162	X003	273	140H, 142H, 144H, 136L, 152L
	6J19C		6J17C		0761		135, 136, 138, 175			052H
	4J34A		4J33A		2900		89			17L
	8J07E		8J04E		2050		80			18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
000543	6J27B	000150	6J25B	105050	0400	000151	X003 139,142	274	125H
000543	7J19E	450000	7J16E	044006	2070	000151	X003 35,36,52	275	011L
000544	4J19B	000000	4J18B	000000	2000	000000	X000 87	276	111L,115H,013L* 014H,17L*18L, 19L*110L,111L* 112L,014H
	4J24G		4J23G		2050		94		17L,09H,15L*16L, 17L*18L
	4J27E		4J26E		2920		91		015L
000544	4J18A	000143	4J17A	035034	2000	000151	X023 87	277	16L
000544	6J27B	000147	6J25B	XXXXXX	0400	000151	X003 139,142	278	117L,118L
	3J18E		3J11B		2050		47,48		115L
000544	6J27E	000147	6J25B	XXXXXX	0400	000151	X023 139,142	279	126H
	8J11B		8J16E		2060		118		112L
000544	8J13A	000147	8J11A	000646	2050	000151	X023 118	280	17H,18H
000545	7J12G	000000	7J11G	105050	2000	000151	X003 104	281	15H,16H
000545	3J08B	000003	3J07B	760001	2060	000151	X003 23,47,19	282	111L,015H,111L* 112L
	7J09G		7J03G		2070		36,53		012L,16H
000545	6J25A	000147	6J24A	XXXXXX	0651	000151	X003 163	283	153H,144L,148L
	6J34B		6J32B		0400		140,142		127L,129L,130L
	6J25E		6J24E		0651		172		154H
	6J21C		6J19C		0761		135,136,138,175		132L
	4J06B		4J05B		2040		110		15L,17L,19L, 111L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANU	SYMPTOM	FAULT
	7J07B		7J06B		2000		113		112L, I13L* I14L 115L, I7H, I8H, 19H, I10H, 013H* 014L, 013H
	8J04F		8J03F		2050		113		112L, 010H, 111L* 112L, I13L* I14L* 115L
	4J11C		4J21C		2070		83, 84		014L, I9H
	8J06F		8J07F		2050		81		17H, I8H
	3J18B		3J11B		2050		47, 48		I12L
	4J09B		4J08B		2040		84		I8L

000545		000147		XXXXXX		000151	X007	284	
	2J04G		2J09G		2030		73, 73A		011L, I12H, I13H, I14H, I15H
	2J05G		2J03G		2090		73A		I6L, 010H, 011H
	2J06G		2J07G		2090		73A		I6L, 010H, 011H
	7J19F		7J16F		2060		26, 52		015L, I11H, I12H
	7J22A		7J16A		2060		30, 52		015H, I11L* I12L
	4J06G		4J05G		2040		108		I12L

000545		000147		XXXXXX		000151	X013	285	
	4J34A		4J33A		2900		89		I9H, I12H, 06H* 08L, 013H* 015L, 06H, 013H
	4J29G		4J28G		2900		99		I5H, I14H, 06H* 08L, 06H

000546		000004		000000		000151	X003	286	
	4J19B		4J18B		2000		87		I7L

000546		000063		000000		000151	X003	287	
	4J19B		4J18B		2000		87		I9L

000546		000143		000000		000000	X023	287A	
	4J05G		4J08G		2040		108		015H

000547		000147		XXXXXX		000151	X003	288	
	4J23F		4J22F		2920		94		I12L

000550		000147		XXXXXX		000151	X003	289	
	6J29B		6J27B		0400		143		I33H

000550		000147		XXXXXX		000151	X013	290	
	6J29B		6J27B		0400		143		I29H

000551		000000		000010		000151	X003	291	
	4J24F		4J21F		2070		94		I7L, 013H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
	4J25G		4J24G		2050		94		I13H, I14H, I15H
000551		000000		000076		000151	X003	292	
	6J29B		6J27G		0400		143		I41H
000551		000140		000000		000151	X003	293	
	4J11E		4J13D		2070		82,83		014L, 19H
000551		000141		760030		000151	X023	294	
	4J10D		4J11D		2070		64, 101, 82		015L, I10H
000551		000146		000000		000151	X003	294A	
	4J07G		4J09G		2040		108		015H
000552		000142		000000		000151	X003	295	
	3J11E		3J08E		2920		29		I6L
000552		000147		000000		000151	X003	295A	
	8J28A		8J29A		3640		122		013H
	8J28B		8J28C		3621		122		014H
000554		000004		000000		000151	X023	296	
	4J18A		4J17A		2000		87		I9L
000556		000000		000000		000151	X003	297	
	6J27C		5J27C		0280		135		I22H, I35L, I38L, 036H
000557		000000		000000		000151	X003	298	
	4J23F		4J22F		2920		94		I8L, I11L
000557		000000		000040		000000	X006	299	
	4J23F		4J22F		2920		94		015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	8J19B		8J18B		2000		115		I7L, I12L
	4J26G		4J25G		2050		94		I6L, I7L
	4J27G		4J34G		2050		91, 94		I11H, I12H
	4J08F		4J07F		2040		82		I9H, I10H
	4J14B		4J15B		2000		85		I6L
	8J07B		8J04B		2050		79		I6L
000557		000000		000040		000040	X006	300	
	8J07B		8J04B		2050		79		09H, I5L*I6L, I7L* I8L
	4J08F		4J07F		2040		82		015L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	CHANO	SYMPTOM	FAULT
				TYPE		PLATE		
000557		000000		000040	000151	X003	301	
	4J26F		4J24F	2070		91,94,100		015L,I10H
	4J23F		4J22F	2920		94		16L
000557		077000		777600	000151	X003	302	
	4J19G		4J18G	2000		88		I7L
000561		000000		000020	000000	X000	303	
	4J25G		4J24G	2050		94		09L
000561		007060		740000	000151	X003	304	
	6J31B		6J29B	0400		143,147		I33L,I35L,I36L
000562		000000		000000	000000	X000	305	
	4J26F		4J24F	2070		91,94,100		I10L,015H
000563		000000		000000	000000	X000	306	
	4J18B		4J17B	2000		87		I11L,I15H,013L* 014H,I7L*I8L, I9L*I10L,I11L* I12L,014H
000563		700777		777777	000151	X003	307	
	4J19G		4J18G	2000		88		I9L
000566		000000		740000	000151	X003	308	
	6J31B		6J29B	0400		143,147		I39H
000567		000147		XXXXXX	000151	X023	309	
	8J13A		8J11A	2050		118		I13H,I14H,I15H
000567		000706		073020	000151	X003	310	
	6J19C		6J17C	0761		135,136,138,175		010H,I20L,019L* 010H*012H
	6J34B		6J32B	0400		140,142		I35H
000567		000706		115274	000151	X003	311	
	7J11C		7J10C	2000		105		I9L
000567		000706		242763	000151	X003	312	
	7J12C		7J11C	2000		105		I9L
000567		000706		271344	000151	X003	313	
	7J10C		7J08C	2000		105		I9L
000567		000706		647407	000151	X003	314	
	6J21C		6J19C	0761		135,136,138,175		010H,I20L,019L* 010H*012H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	6J34B		6J32B		0400		140,142			I33H
000567		000706		761452		000151		X003	315	
	3J06E		3J04E		2060		24,19			I10L
000567		000706		774040		000151		X003	316	
	6J21C		6J19C		0761		135,136,138,175			06L*018H*024H
000570		000706		000000		000151		X003	317	
	6J17C		6J15C		0761		136,137,175			019L*010H*012H
	8J14C		8J13C		2050		119			I5L,I7L,09H,I5L*
	7J11E		7J10E		2000		104			I6L,I7L*I8L
	8J16C		8J17C		2000		116			I15L,013H*014L,
	8J33C		8J32C		3780		129			013H
	4J09E		4J08E		2040		83			17H,I8H
										I5L
										I6L
000571		000000		000000		000000		X000	318	
	4J21F		4J24F		2070		94			I10L,015H
000571		000147		XXXXXX		000151		X023	319	
	7J10F		7J08F		2000		104			I9L
000571		000706		503400		000151		X003	320	
	6J31B		6J29B		0400		143,147			I39L,141L,142L
000572		000000		000002		000151		X003	321	
	6J29B		6J27B		0400		143			I18H
000574		000000		000000		000000		X000	322	
	3J26E		3J21E		2060		15,16			I7L
000574		000706		503400		000151		X003	323	
	7J11E		7J10E		2000		104			I9L
000575		000000		000000		000000		X000	323A	
	3J08E		3J11E		2920		22			015H
000575		000000		000076		000151		X003	324	
	8J22A		6J21A		3771		132			I14L
000577		000000		000000		777777		X022	325	
	3J03C		3J06C		2070		07,11,21,18			012L,I6H
	4J34D		4J33D		2013		19,21			I6L
000577		000000		000060		000151		X003	326	
	4J26G		4J25G		2050		94			I12L,113L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SNAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
000577	4J25F	000706	4J23F	303467	2920	000151	X003	327	16L
000600	4J27G	000706	4J26G	303467	2050	000151	X003	328	15L,17L,09H,15L+ 16L,17L+18L
000601	7J07D	000147	7J06D	XXXXXX	2013	505600	X003	329	17H,18H,19H, 010H*011H*012H
000602	4J17B	000000	4J16B	000000	2000	000000	X000	330	111L,115H,013L* 014H,17L+18L, 19L+110L,111L* 112L,014H 18L,09H,15L+16L, 17L+18L
4J20D			4J21D		2050			95	
000603	6J29B	000706	6J27B	005765	0400	000151	X003	331	127L,129L,130L
000604	6J29B	000706	6J27B	005765	0400	000151	X013	332	125H
000607	6J29B	000706	6J27B	007733	0400	000151	X003	333	127H
000611	4J25E	000000	4J13E	000000	2050	000151	X002	334	111L
	4J26E		4J24E		2920				015L
000611	6J29B	017400	6J27B	000000	0400	000151	X003	335	125L,126L
000617	4J26F	000147	4J24F	000000	2070	000151	X003	335A	012H
000621	4J26E	000000	4J24E	000000	2920	000151	X003	336	15H,16H,17H
000622	6J38A	000147	6J37A	XXXXXX	0651	000150	X003	337	144L,148L
	6J38E		6J37E		0651				153H,154H
	6J13C		6J15C		0761				127L,130L,053I
	8J03A		8J07A		2050				15L,09H,15L* 17L+18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	8J06A		8J07A		2050		79			113H, 114H, 115H
	7J06G		7J07G		2000		111			19H, 110H
	4J10G		4J09G		2040		82			18L

000622		000147		XXXXXX		000151		X003	338	
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.										
	6J35E		6J34E		0651		167			153H, 154H
	6J36A		6J35A		0651		158			144L, 148L
	6J36E		6J37E		0651		167			153H, 154H
	6J13C		6J15C		0761		137, 175			125L, 128L, 052L
	6J38A		6J37A		0651		157			136H
	8J04B		8J03B		2050		111			15L, 09H, 15L*16L, 17L*18L
	8J07A		8J06A		2050		79			113H, 114H, 115H
	7J08G		7J07G		2000		111			19H, 110H
	4J32A		4J30A		2900		89			15H
	4J33A		4J34A		2900		102			15H
	3J19F		3J18F		2060		46			111L
	4J08G		4J07G		2040		82			18L
	3J04B		3J03B		2920		21			111L

000622		000147		XXXXXX		000151		X013	339	
	2J04G		2J09G		2030		73, 73A			010L, 15H, 16H, 17H, 18H, 19H
	4J30G		4J29G		2900		99			112H, 06H*08L, 06H
	2J02G		2J05G		2090		73			16L, 010H, 011H
	2J03G		2J05G		2090		73			16L, 010H, 011H
	4J07G		4J06G		2040		10b			112L

000623		000004		020652		000151		X013	340	
	4J11D		4J10D		2070		83, 101			014L, 19H

000623		000004		020652		000151		X023	341	
	8J11C		8J07C		2050		118			010L, 111H, 112H
	8J11B		8J16B		2060		118			15L
	4J16C		4J15C		2000		85			18L
	4J35E		4J31E		2030		29			17L

000623		000004		630543		000151		X023	342	
	4J35E		4J31E		2030		29			010H, 15L*16L* 17L*18L*19L
	4J35C		4J35B		2220		21, 29			112H

000623		000004		760621		000151		X023	343	
	3J08G		3J30F		2030		18, 24			113L

000623		000147		XXXXXX		000000		X003	344	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND PLATE	SYMPTOM FAULT
	6J27B		6J25B		0400		139,142	139H,133L,135L, 136L
	6J17C		6J15C		0761		136,137,175	018L
	4J25E		4J13E		2050		91,92	09H,15L*16L,17L* 18L
	4J24E		4J23E		2920		92	015L,18H,19H, 110H
	4J20A		4J13A		2920		96	15H,16H,17H
	7J15E		7J04E		2060		51,107	18L
000623	6J27B	000147	6J25B	XXXXXX	0400	000000	X023	345 I19L
000623	6J15C	000147	6J13C	XXXXXX	0761	000151	X003	346 154H,046L
	6J29B		6J27B		0400		143	I19L
	7J11E		7J10E		2000		104	17H,18H
	4J22D		4J21D		2050		95	15H,16H
	4J22C		4J23C		2920		95	18H,19H,I10H
	7J21A		7J03A		2020		37	15L
	4J24D		4J23D		2050		95	17L
	4J20C		4J23C		2920		95	I11L
000623	8J11C	000147	8J07C	XXXXXX	2050	000151	X023	347 09L,15H,16H
	8J11B		8J16B		2060		118	18L
000623	6J27B	000147	6J25B	XXXXXX	0400	777777	X023	348 I19H
000623	2J13B	000607	2J30E	000002	2040	000151	X003	349 I12L,I11L*I12L
	2J15D		2J15C		2920		61	015L,15H
	3J09D		3J05A		2040		30	I12H
000624	3J16C	000000	3J33C	000076	2050	000151	X003	350 15H,16H
000624	6J29B	000147	6J27B	XXXXXX	0400	000151	X003	351 I17H
	7J20A		7J11A		2000		37	15L
000624	6J28A	000147	6J27A	XXXXXX	0651	000151	X023	352 I48H
000624	4J25B	000606	4J24B	000002	2050	000151	X003	353 I12L,I13L,010H, I11L*I12L,I13L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	4J25D		4J24D		2050		95		I14L*I15L I12L, I13L, 010H, I11L*I12L, I13L*
	4J21B		4J20B		2050		96		I14L*I15L I13H, I14H, I15H
	4J21D		4J20D		2050		95		I13H, I14H, I15H
	4J16E		4J15E		2000		86		I5H, I6H
	4J16G		4J15G		2000		86		I5H, I6H
	4J29E		4J28E		2900		100		I9H
	4J29F		4J28F		2900		100, 99		I9H
	4J10A		4J09A		2040		84		I10L
	4J10C		4J09C		2040		83		I10L

000624		000706		000002		000151	X003	354	
	6J27B		6J25B		0400		139, 142		I35H
	6J17C		6J15C		0761		136, 137, 175		06L*018H*024H
	8J11D		8J12C		2920		119		I5L, I8L, I12L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	8J34C		8J33C		3780		129		I5L
	4J10E		4J09E		2040		83		I6L

000625		000147		XXXXXX		000151	X003	355	
	6J37A		6J35A		0651		157A		I40H, I42H, I44H, I36L, I52L
	6J27C		5J27C		0280		135		I24H, I25L
	6J13C		6J15C		0761		137, 175		045H
	6J33C		6J35C		0900		136, 135, 145		I4H
	4J32A		4J30A		2900		89		I14L
	4J33A		4J34A		2900		102		I14L
	4J06G		4J05G		2040		108		I13H, I14H
	4J09G		4J08G		2040		82		I7H, I8H
	8J18G		8J17G		2000		117		I5L
	8J06A		8J03A		2050		79		I8L
	6J36A		6J34A		0651		158		

000626		000000		000002		000151	X007	356	
	6J15C		6J13C		0761		137, 175		019L*010H*012H

000626		000000		000076		000151	X003	357	
	3J19A		3J21A		2160		44		014L, I5H

000626		000147		XXXXXX		000000	X007	358	
	7J11E		7J10E		2000		104		I5H, I6H

000626		000147		XXXXXX		000151	X003	359	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	6J36A		6J35A		0651		158		I40H, I42H, I44H, I48H, I36L, I52L
	6J34B		6J25D		0400		140, 142		I25L, I26L
	6J32B		6J31B		0400		140		I36H
	6J13C		6J15C		0761		137, 175		052H
	7J10E		7J08E		2000		104		I7L
	8J07A		8J06A		2050		79		I14L
000626	6J36A	000147	6J35A	XXXXXX	0651	000155	X003	360	
000626	8J03D	000706	8J02D	505600	2013	000151	X007	361	013H*014H*015H
000627	8J19G	000000	8J18G	000004	2000	000151	X023	362	15L
000627	6J34B	000147	6J32B	XXXXXX	0400	000151	X003	363	I17H, I19L
	4J26F		4J24F		2070		140, 142		I6L, 012H
	4J25E		4J13E		2050		91, 94, 100		I13H, I14H, I15H
	4J27G		4J26G		2050		91, 92		I5H, I6H
	4J25F		4J23F		2920		91, 94		015L
000627	6J34B	000147	6J32B	XXXXXX	0400	000151	X007	364	130H
000627	6J31B	000147	6J29B	XXXXXX	0400	000151	X017	365	133H
000630	6J34B	000147	6J32B	XXXXXX	0400	000151	X003	366	I17L, I18L
000631	6J29B	000147	6J27B	XXXXXX	0400	000151	X003	367	I17L, I18L
	6J31B		6J32B		0400		143		I41H
000632	6J29B	000147	6J27B	XXXXXX	0400	000151	X003	368	I35H
	3J18F		3J13F		2060		143, 147		015L, I11H, I12H
	3J18D		3J16D		2070		47		I7L, 013H
	3J02A		3J07A		2920		47		I5H, I6H, I7H
	4J34A		4J33A		2900		21		I10L
000632	3J29F	501100	3J17F	777777	2030	000151	X003	369	I12L
000637		000000		000000		000151	X023	370	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	8J13C		8J11C		2050		118,119		17H,18H
000640	4J29D	000000	4J28D	105056	2013	000151	X003	371	15L
000642	6J15C	000014	6J13C	042427	0761	000151	X003	372	120L
000642	6J29B	000706	6J27B	005074	0400	000151	X003	373	126H
000647	6J37A	000147	6J36A	XXXXXX	0651	000077	X023	374	148H
000647	6J34B	600000	6J32B	000002	0400	000151	X003	375	129H
000651	3J04B	000147	3J03B	XXXXXX	2920	000151	X003	376	112L
000652	6J22A	200474	6J21A	174712	0651	200151	X003	377	136H
000653	7J28C	000706	7J12B	074000	2160	000151	X003	378	18L
000663	6J13C	000147	6J15C	XXXXXX	0761	000151	X003	379	010H
000667	4J17B	000063	4J16B	000000	2000	000151	X003	380	17L
000667	6J33A	000147	6J32A	XXXXXX	0651	000151	X003	381	140H,142H,144H, 148H,136L,152L
	6J34B		6J32B		0400		140,142		118H
	6J15C		6J13C		0761		137,175		052H
	4J14B		4J15B		2000		85		19L
	8J07B		8J04B		2050		79		18L
000670	3J08A	000147	3J10A	XXXXXX	2050	000151	X003	382	114L
000671	4J26E	000706	4J24E	503400	2920	000151	X003	383	111H,112H,113H, 114H
000672		000147		XXXXXX		000151	X003	384	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
							PLATE		
	6J15C		6J13C		0761		137,175		018H
000673	4J18B	000063	4J17B	000000	2000	000151	87	X003 385	19L
000673	4J18B	000073	4J17B	000000	2000	000151	87	X003 386	17L
000677	6J15C	000014	6J13C	270424	0761	000151	137,175	X003 387	010H
000677	4J08F	000706	4J07F	000050	2040	000151	82	X003 388	111H,112H
000702	4J15C	000000	4J14C	000000	2000	000000	85	X000 389	15L,17L,110L, 111L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H 111L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H 110L,015H 010L,111H,112H 113H,114H,115H 010H,111L*112L, 113L*114L*115L 015L,15H,16H, 17H 114L
	4J19C		4J18C		2000		87		
	4J24C		4J21C		2070		95		
	4J20D		4J21D		2050		95		
	4J23D		4J22D		2050		95		
	4J25E		4J13E		2050		91,92		
	4J20C		4J22C		2920		95		
	4J33C		4J32C		2900		102		
000707	3J30D	000000	3J28D	000000	2900	000151	13	X003 390	08H
	3J17C		3J09C		2060		48		111L
	3J13C		3J10C		2020		11		17L
000707	3J25G	000002	3J22G	000000	2013	000151	16	X003 391	010L*011L*012L
000707	3J30D	000002	3J28D	002211	2900	000151	13	X003 392	111L,112L,06L* 08H,08H 015L,111H,112H
	3J26E		3J21E		2060		15,16		

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

F	LOC	AU	SWAP	AL	CE	CHANO	SYMPTOM	FAULT
				TYPE		PLATE		
000707	3J25G	000002	3J22G	002221	000151	X003	393	I7L
000707	4J18D	022000	4J17D	000706	000151	X003	394	I6L
000707	6J27B	027400	6J29B	000706	000151	X003	395	139L, 141L, I42L
	6J25B		6J29B	0400				I17H
	8J12F		8J06E	2070				011L, 15H
	8J06F		8J04F	2050				I13L
	8J07F		8J11F	2050				I13L
000707	3J28D	740540	3J24D	012010	000151	X003	396	I10L
000710	3J19B	000706	3J18B	007700	000151	X003	397	I12L
000717	4J22D	000000	4J21D	000000	000000	X006	398	I5L
000717	4J22D	000000	4J21D	000200	000000	X006	399	09H, I5L*I6L, I7L* I8L
	4J23D		4J24D	2050				I11H, I12H
	4J09E		4J08E	2040				I9H, I10H
	4J15C		4J14C	2000				I6L
000717	8J18C	000000	8J17C	000200	000000	X022	400	I7L, I12L
	8J06C		8J03C	2050				I6L
000717	4J09E	000000	4J08E	000200	000200	X006	401	015L
000717	8J06C	000000	8J03C	000200	000200	X022	402	09H, I5L*I6L, I7L* I8L
000717	8J18C	000000	8J15C	000200	002000	X222	402A	014H
000717	8J06C	000200	8J07C	000000	000200	X002	402B	09H
000723	4J20D	000004	4J21D	020652	000151	X023	403	I5H, I6H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANG	SYMPTOM	FAULT
							PLATE		
000723		000147		XXXXXX		000000	X003	404	
	4J22D		4J21D		2050		95		111H, I12H
	7J10E		7J08E		2000		104		19L
000723		000147		XXXXXX		000100	X003	405	
	6J32A		6J31A		0651		160		140H, I41H, I42H, 144H, I36L, I52L
	8J06C		8J03C		2050		80		114L
000723		000147		XXXXXX		000151	X003	406	
	4J33C		4J32C		2900		102		15L
	4J16C		4J15C		2000		85		110L
000724		000706		000002		000151	X003	407	
	7J10E		7J08E		2000		104		115H
000726		000000		000200		000151	X003	408	
	3J16C		3J33C		2050		48, 53		09L
	3J05F		3J05E		2040		17		18L
000726		000063		000000		000151	X003	409	
	4J19C		4J18C		2000		87		17L
000726		000147		XXXXXX		000000	X007	410	
	6J23C		6J21C		0761		135, 138, 175		151H
000726		000147		XXXXXX		000151	X003	411	
	6J27C		5J27C		0280		135		117H, I27L
000726		000147		XXXXXX		000151	X017	412	
	6J32A		6J31A		0651		160		136H
000731		000147		XXXXXX		000151	X003	413	
	3J18C		3J17C		2060		47		16L
000737		000706		000050		000151	X003	414	
	4J10E		4J09E		2040		83		111H, I12H
000737		000707		000050		000151	X003	415	
	7J08D		7J07D		2013		23		013L*014L*015L
000741		000000		002777		000151	X003	415A	
	3J18C		3J20C		2060		47		013H
000745		000147		XXXXXX		000151	X003	416	
	4J09E		4J08E		2040		83		111H, I12H
	4J15C		4J14C		2000		85		19L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE			
000745	000147	XXXXXX	000351	X003	417	
6J31A	6J30A	0651	160			I40H, I42H, I36L, I52L
8J06C	8J03C	2050	80			I8L
000745	000147	XXXXXX	000351	X007	418	
6J31A	6J30A	0651	160			I44H
000750	000147	XXXXXX	000151	X003	419	
7J11G	7J10G	2000	104			I11L
000754	000000	000000	000151	X003	420	
4J34D	4J33D	2013	19,21			I5L
000767	000706	503400	000151	X003	421	
6J31A	6J30A	0651	160			I48H
000770	000107	000000	000151	X003	422	
4J17B	4J16B	2000	87			I9L
000772	000706	503400	000151	X003	423	
4J26F	4J24F	2070	91,94,100			012L, I6H
4J25E	4J13E	2050	91,92			I12L, I14L
3J10A	3J08A	2050	107			I5L+I6L
000775	000147	XXXXXX	010151	X003	424	
6J26A	6J25A	0651	163			I36H
000777	000000	000000	000000	X000	425	
4J15D	4J14D	2013	18			I7L
000777	000000	000534	340777	X002	426	
3J18B	3J11B	2050	47,48			09L
000777	000002	717606	000151	X003	427	
3J24F	3J28F	2900	40			I10L
001000	000000	000000	000000	X000	428	
7J11A	7J10A	2000	105			I8L
8J14B	8J15B	2000	114			I11L
8J15C	8J17C	2000	114			I11L
001000	000000	000006	000151	X003	429	
3J10A	3J08A	2050	107			I5L+I6L
001004	000000	501200	000151	X003	429A	
3J04E	3J02E	2050	20			015H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANU	SYMPTOM	FAULT
							PLATE		
001004	3J20B	000142	3J27B	124350	2070	000151	46	X003 429B	011H
001052	4J17E	000000	4J18E	000000	2000	000000	88	X000 429C	014H
001052	3J19F	000000	3J18F	000006	2060	000151	46	X003 430	I8L*I9L*I10L
001053	3J19F	000000	3J18F	000006	2060	000151	46	X003 431	014H
001060	4J19C	007760	4J18C	000000	2000	000151	87	X003 432	I9L
001063	4J25F	000706	4J23F	077200	2920	000151	91	X003 433	I5L, I8L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
001072	4J34B	000000	4J33B	000000	2900	000000	102	X000 434	I12L
001102	4J18C	000000	4J17C	000000	2000	000000	87	X000 435	I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
001120	3J21G	000000	3J05G	000000	2060	000000	45	X006 435A	013H
001126	4J18C	000107	4J17C	000000	2000	000151	87	X003 436	I7L
001157	4J18C	007660	4J17C	730300	2000	000151	87	X003 437	I9L
001171	8J13D	000706	8J14D	710611	2050	000151	119	X003 438	I6L, I7L, 09H, I5L* I6L, I7L*I8L
	8J14C		8J13C		2050		119		I14L
	4J08E		4J07E		2040		83		I6L
001221		000000		000513		000534		X006 439	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	4J07D		4J06D		2013		17,26		15L,013L*014L* 015L
	3J06C		3J03C		2070		17,38,19		011L,15H
	3J06B		3J02B		2060		17		013H,15L*16L* 17L
001500	4J04D	000000	4J03D	000000	2013	000000	X000	440	17L,010L*011L* 012L
001502	4J16E	000000	4J15E	000000	2000	000000	X000	441	15L,17L,110L, 111L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H
	4J17C		4J16C		2000		87		111L,115H,013L* 014H,15L*16L, 17L*18L,19L* 110L,111L*112L, 014H
	4J21D		4J20D		2050		95		010L,111H,112H
	4J25D		4J24D		2050		95		111H,112H
	4J32E		4J30E		2900		103		114L
001517	4J25D	000000	4J24D	001000	2050	000000	X006	442	113H,114H,115H
	8J17E		8J16E		2000		116		17L,112L
	8J07C		8J06C		2050		80		16L,17L
	4J10C		4J09C		2040		83		19H,110H
	4J16E		4J15E		2000		86		16L
	4J24C		4J26C		2070		95		013H
001517	8J07C	000000	8J06C	001000	2050	001000	X006	443	09H,15L*16L,17L* 18L
	4J10C		4J09C		2040		83		015L
001545	4J10C	000147	4J09C	XXXXXX	2040	000151	X003	444	111H,112H
001557	4J17C	007460	4J16C	730300	2000	000151	X003	445	19L
001563	4J17C	003716	4J16C	177070	2000	000151	X003	446	17L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
001623	6J29A	000147	6J28A	XXXXXX	0651	000000	161	X003	447	148H
001623	6J29A	000147	6J28A	XXXXXX	0651	001000	161	X003	448	140H, 142H, 144H, 136L, 152L
	8J07C		8J06C		2050		80			18L
001633	2J10G	000000	2J08G	105050	2090	000151	74	X003	449	010L, 15H
	2J20F		2J18F		2090		78			010L, 15H
	2J25G		2J23G		2090		76			010L, 15H
	2J09G		2J04G		2030		73B, 74			115L, 011H, 112L* 113L*114L
	2J19F		2J09F		2030		77B, 78			115L, 011H, 112L* 113L*114L
	2J24G		2J19G		2030		75B, 76			115L, 011H, 112L* 113L*114L
	4J07A		4J06A		2040		110			111H, 112H
	4J07C		4J06C		2040		109			111H, 112H
	4J07F		4J06F		2040		108			111H, 112H
002002	7J11C	000000	7J10C	000000	2000	000000	105	X000	450	15L
002044	3J24G	000000	3J28F	511373	2900	000151	40	X023	451	15L
002101	3J25A	000000	3J26A	000000	2013	000151	15	X003	452	17H, 18H, 19H, 010H*011H*012H
	3J24A		3J22A		2013		15			16L
	3J02G		3J10G		2050		18			15H, 16H
	3J02A		3J07A		2920		21			18L
002377	7J28C	000706	7J12B	074000	2160	000151	28	X003	453	113L
002414	3J20C	000000	3J19C	000000	2060	000000	45	X000	454	15L*16L*17L
	3J20A		3J05B		2080		44, 45			05H
	3J02A		3J07A		2920		21			19L
002415	7J11B	000000	7J10B	000000	2000	000000	105	X000	455	18L
	7J12C		7J11C		2000		105			18L
002502		000000		000000		000000		X000	456	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	4J15E		4J14E		2000		86		15L, 17L, 110L, 111L, 115H, 013L* 014H, 15L*16L, 17L*18L, 19L* 110L, 111L*112L, 014H
	4J19E		4J18E		2000		88		111L, 115H, 013L* 014H, 15L*16L, 17L*18L, 19L* 110L, 111L*112L, 014H
	4J24C		4J21C		2070		95		16L, 012H
	4J24D		4J23D		2050		95		09H, 15L*16L, 17L* 18L
	4J26D		4J27D		2050		95		010L, 111H, 112H
	4J25D		4J23D		2050		95		17H, 18H
	4J34E		4J33E		2900		103		15L
002503	4J35C	000000	4J35B	000000	2220	000000	X000	457	014L
002514	3J02D	000000	3J31D	000505	2050	000000	X000	458	010H, 111L*112L, 113L*114L*115L
002517	4J24D	000000	4J23D	002000	2050	000000	X006	459	112L, 114L, 010H, 111L*112L, 113L* 114L*115L
	4J09C		4J08C		2040		83		19H, 110H
	4J15E		4J14E		2000		86		16L
002517	4J09C	000000	4J08C	002000	2040	002000	X006	460	015L
002521	3J19E	000000	3J02E	000000	2060	000151	X003	460A	014H
002545	4J09C	000147	4J08C	XXXXXX	2040	000151	X003	461	111H, 112H
002557	4J19E	007060	4J18E	730300	2000	000151	X003	462	19L
002563	4J19E	003716	4J18E	177070	2000	000151	X003	463	17L
002623		000000		003322		000151	X003	464	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANU	SYMPTOM	FAULT
	2J02F		2J03F		2090		76A		010L, I5H
	2J12G		2J11G		2090		74A		010L, I5H
	2J22F		2J21F		2090		78A		010L, I5H
	2J04F		2J09F		2030		76A, 76B		I8L, 010H, I5L* I6L*I7L*I8L*I9L
	2J14G		2J09G		2030		74A, 74B		I8L, 010H, I5L* I6L*I7L*I8L*I9L
	2J24F		2J19F		2030		78A, 78B		I8L, 010H, I5L* I6L*I7L*I8L*I9L
	4J06A		4J05A		2040		110		I11H, I12H
	4J06C		4J05C		2040		109		I11H, I12H
	4J06F		4J05F		2040		108		I11H, I12H
002623	4J27C	000147	4J25C	XXXXXX	2920	000151	X003	465	I5L, I8L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
002626	6J28A	000147	6J27A	XXXXXX	0651	002151	X003	466	I36H
003000	4J25D	000000	4J24D	002000	2050	000000	X006	467	I5H, I6H
003121	3J21G	000000	3J19G	000004	2060	000000	X006	468	013H, I5L*I6L* I7L
003121	3J21G	000000	3J05G	000004	2060	000000	X023	468A	013H
003400	7J02D	000000	7J03D	000000	2013	000000	X000	469	I7L, 010L*011L* 012L
	7J19D		7J18D		2013		06		I5L, 013L*014L* 015L
	7J23E		7J17E		2060		35, 49, 54		I11L, 015H, I11L* I12L
	3J02G		3J10G		2050		18		09L, I7H, I8H
003401	3J22E	000000	3J13E	000000	2013	000000	X000	470	I5L, 013L*014L* 015L
	3J24D		3J12D		2900		40		I5H, 06H*08L, 06H
	3J02A		3J07A		2920		21		I14L
003402		000000		000000		000000	X000	471	

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	7J20F		7J21F		2020		35		I5L
003415		000000		000000		000000	X000	472	
	3J20A		3J05B		2080		44,45		I6L*I7L*I8L
003430		000000		000002		000151	X023	473	
	6J21A		6J22A		0651		165		I48H
003502		000000		000000		000000	X000	474	
	4J21C		4J11C		2070		95		I10L,015H
003507		000000		000000		000000	X000	475	
	3J13G		3J07G		2920		35		I6L
003700		000000		000000		000000	X000	476	
	4J15D		4J14D		2013		18		010L*011L*012L
004002		000000		000000		000000	X000	477	
	7J12C		7J11C		2000		105		I5L
004164		000147		XXXXXX		000151	X003	478	
	4J15C		4J14C		2000		85		I9H,I10H
004264		000000		000000		000000	X000	479	
	4J16C		4J15C		2000		85		I9H,I10H
004344		000000		000000		000000	X000	480	
	4J31D		4J04C		2060		20,21		I11L
004362		000000		000000		000151	X002	481	
	3J19G		3J18G		2060		46		I8L*I9L*I10L
	3J02A		3J07A		2920		21		I13L
004364		000000		000000		000000	X000	482	
	4J33C		4J32C		2900		102		I9L,I10L
	4J23D		4J22D		2050		95		I6L,I7L,010L
	4J14C		4J15C		2000		85		I9H,I10H
	4J34B		4J33B		2900		102		I9L
	4J34E		4J33E		2900		103		I9L
	7J11C		7J10C		2000		105		I8L
	7J11F		7J10F		2000		104		I8L
	7J12F		7J14F		2000		104		I8L
	4J21D		4J20D		2050		95		09H
	4J27G		4J26G		2050		91,94		010L
004364		000000		000000		000151	X002	483	
	4J32B		4J30B		2900		102		I7L
	4J34B		4J33B		2900		102		I7L

TABLE 8-11. ROOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE			
004364	000000	000000	764362	X002	484	
8J15A	8J14A	2000	114			I9L
004364	000000	000002	000151	X002	485	
3J23C	3J21C	2060	41,44			I7L
004364	000000	000006	000151	X003	486	
3J23G	3J20G	2070	14,41,44,46			015L,I10H
3J22E	3J13E	2013	41,43			010H*011H*012H
3J19F	3J18F	2060	46			I9L
3J29G	3J26G	2040	12			I13H
004364	000000	000020	000151	X003	487	
4J25G	4J24G	2050	94			I5H,I6H
004364	000000	000072	000151	X002	488	
4J21G	4J20G	2050	94			I11L*I12L,I13L* I14L*I15L
004364	000000	000077	000151	X003	489	
3J19B	3J18B	2050	47,46			I11L
004364	000000	006000	000000	X006	490	
4J26D	4J25D	2050	95			I11L*I12L,I13L* I14L*I15L
004364	000000	007000	000000	X006	491	
4J21D	4J20D	2050	95			010H
004364	000000	060000	000000	X006	492	
4J20B	4J12B	2050	96			010H
004364	000000	070000	000000	X006	493	
4J20B	4J12B	2050	96			09H
004364	000147	xxxxxx	000151	X003	494	
4J33C	4J32C	2900	102			I12L
7J10E	7J08E	2000	104			I8L
004364	000706	612002	000151	X003	495	
4J34E	4J33E	2900	103			I7L
004366	000000	000000	000000	X000	496	
4J19A	4J18A	2000	87			I15H
004367	000000	000000	000000	X022	497	
4J32A	4J30A	2900	89			I7L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	4J33A		4J34A		2900		102			I7L
004373		000000		000000		000000		X026	498	
	4J32A		4J30A		2900		89			I10L
	4J33A		4J34A		2900		102			I10L
004374		000000		000000		000000		X000	499	
	4J32B		4J30B		2900		102			I12L
004466		000000		000000		000151		X002	500	
	3J18D		3J16D		2070		47			013L, I7H
004502		000000		000000		000000		X000	501	
	4J14E		4J15E		2000		86			I5L, I7L, I10L, I11L, I15H, 013L* 014H, I5L+I6L, I7L+I8L, I9L* I10L, I11L+I12L, 014H
	4J18E		4J17E		2000		88			I11L, I15H, 013L* 014H, I5L+I6L, I7L+I8L, I9L* I10L, I11L+I12L, 014H
	4J24C		4J21C		2070		95			I5L, 011H
	4J26C		4J10D		2070		92, 95, 100			I9L, 014H
	4J26D		4J25D		2050		95			09L, I5H, I6H
	4J27D		4J13E		2050		92, 95			I13H, I14H, I15H
	4J34E		4J33E		2900		103			I14L
004514		000000		000777		000000		X000	501A	
	3J02D		3J31D		2050		25			010H
004517		000000		004000		000000		X006	502	
	4J23C		4J22C		2920		95			I6L, I9L, I13L, 015H, I11L+I12L* I13L, I5L+I6L* I7L, I8L+I9L* I10L
	4J26D		4J25D		2050		95			I6L, I7L
	4J27D		4J13E		2050		92, 95			I11H, I12H
004517		000000		774000		000000		X006	503	
	4J08C		4J07C		2040		83			I9H, I10H
	4J14E		4J15E		2000		86			I6L
004517		000000		774000		004000		X006	504	
	4J08C		4J07C		2040		83			015L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
004545	4J08C	000147	4J07C	XXXXXX	2040	000151	83	X003	505	I11H,I12H
004557	4J18E	007060	4J17E	730300	2000	000151	88	X003	506	I7L,I9L
004626	6J27A	000147	6J26A	XXXXXX	0651	000151	162	X003	507	I48H
004626	6J27A	000147	6J26A	XXXXXX	0651	004151	162	X003	508	I36H
004663	2J05F 2J15G 2J25F 2J04F 2J14G 2J24F 4J05A 4J05C 4J05F	000000	2J03F 2J13G 2J23F 2J09F 2J09G 2J19F	505050	2090 2090 2090 2030 2030 2030	000151	76B 74B 78B 76A,76B 74A,74B 78A,78B	X003	509	010L,I5H 010L,I5H 010L,I5H I15L,011H,I12L* I13L+I14L I15L,011H,I12L* I13L+I14L I15L,011H,I12L* I13L+I14L I11H,I12H I11H,I12H I11H,I12H
005364	4J32E 4J25D	000000	4J30E 4J24D	000000	2900 2050	000000	103 95	X000	510	I9L 010L
006364	4J34E 4J25D	000000	4J33E 4J24D	000000	2900 2050	000000	103 95	X000	511	I12L 09L
006414	4J27D	000000	4J26D	000000	2050	000000	92,95	X000	512	010L
006502	4J26C	000000	4J24C	000000	2070	000000	92,95,100	X000	513	I10L,015H
006517	4J21C 4J26D	000000	4J11C 4J25D	006000	2070 2050	000000	95 95	X006	514	015L,I10H I12L,I13L
006672	3J27G	056630	3J12G	607071	2050	000151	12	X003	515	I13L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
007203		000000		000000		000000		X000	516	
	8J27C		8J26C		3621		123			I5L, I5L*I6L*I7L
	8J20A		8J21A		3771		132			I15L
007203		000000		000000		000000		X022	517	
	8J27C		8J26C		3621		123			I9L
007203		000000		000000		000151		X002	518	
	8J22A		8J21A		3771		132			I15L
007517		000000		007000		000000		X006	519	
	4J21D		4J20D		2050		95			I12L, I13L
	4J24D		4J23D		2050		95			09L
007700		000000		767676		000151		X002	520	
	7J19C		7J22C		2060		53			I6L, 014L, 18H,
	2J12D		2J02D		2070		57, 58, 65A			I9H, I10H
										I9L, 014H
007700		000000		767676		000151		X003	521	
	7J12G		7J11G		2000		104			I7L
007712		000000		000000		000000		X000	522	
	3J19E		3J16E		2060		45			014L, 18H
	3J20C		3J19C		2060		45			015L, I11H
007726		000000		000000		000151		X003	523	
	8J21C		8J20C		3771		132			I14L
007737		000000		000000		000000		X000	523A	
	8J17D		8J02D		2013		25			013H
007777		000000		000000		000151		X002	524	
	3J19F		3J18F		2060		46			I5H, I6H, I7H
010000		000000		777777		000000		X226	525	
	3J16G		3J14G		2070		09, 35, 9, 48			I9L, 014H
	3J09G		3J14G		2070		17			015H
010000		000000		777777		000006		X226	525A	
	4J08D		4J02D		2013		17			013H
010000		000000		777777		777777		X226	526	
	4J08D		4J07D		2013		17, 26			I5H, I6H, 013H*
										014H*015H
	3J09G		3J14G		2070		30, 34, 17			I10L, 015H
	3J05E		3J09D		2040		17			015L, I9H, I10H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
010502	4J16F	000000	4J15F	000000	2000	000000	X000	527	I7L, I10L, I15H, 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J17E		4J16E		2000		88		I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J20B		4J12B		2050		96		09L, I5H, I6H
	4J22B		4J21B		2050		96		010L, I11H, I12H
	4J33F		4J32F		2900		103		I5L
010516	4J03B	000000	4J02D	007777	2013	000151	X003	528	I7L, 010L*011L* 012L
	3J06B		3J02B		2060		17		014L, I8H, I9H, I10H
	3J08A		3J10A		2050		17,23		I7L, 09H, I5L*I6L, I7L*I8L
010517	4J22B	000000	4J21B	010000	2050	000000	X006	529	I13H, I14H, I15H
	4J16F		4J15F		2000		86		I5L, I6L
010517	4J10B	000000	4J09B	010000	2040	010000	X006	530	015L
010526	4J10B	000000	4J09B	010000	2040	000151	X003	531	I13H
010545	4J10B	000147	4J09B	XXXXXX	2040	000151	X003	532	I11H, I12H
010557	4J17E	007060	4J16E	730300	2000	000151	X003	533	I7L
010563	4J17E	774777	4J16E	777777	2000	000151	X003	534	I9L
010633	7J10B	010000	7J08B	017320	2000	000151	X003	535	I9L
012415	4J33F	000000	4J32F	000000	2900	000000	X000	536	I12L

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHANO	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
014111	202674	076001	000151	X003	536A
3J08B	3J06B	2060	19		015H
020502	000000	000000	000000	X000	537
4J15F	4J14F	2000	86		I7L, I10L, I15H, 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
4J19F	4J18F	2000	88		I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
4J24A	4J21A	2070	96		I10L, 015H
4J20B	4J12B	2050	96		010L, I11H, I12H
4J23B	4J22B	2050	96		I13H, I14H, I15H
4J33F	4J32F	2900	103		I14L
4J20A	4J13A	2920	96		015L
020517	000000	020000	000000	X006	538
4J22B	4J21B	2050	96		I6L, I8L, 09H, I5L* I6L, I7L*I8L
4J15F	4J14F	2000	86		I5L, I6L
020545	000147	XXXXXX	000151	X003	539
4J09B	4J08B	2040	84		I11H, I12H
020557	007060	730300	000151	X003	540
4J19F	4J18F	2000	88		I7L
020563	770777	777777	000151	X003	541
4J19F	4J18F	2000	88		I9L
020633	020000	021131	000151	X003	542
7J11B	7J10B	2000	105		I9L
022415	000000	000000	000000	X000	543
4J33F	4J32F	2900	103		I9L
025706	000000	235113	020151	X023	544
8J06E	8J25B	2070	80,81		012L
030502	000000	000000	000000	X000	545
4J21A	4J04A	2070	96		I5L, I6L, 011H, 012H
032516	000000	000000	000151	X003	546
8-306	CHANGE 7				

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANG	SYMPTOM	FAULT
	4J04D		4J03D		2013		05			013H*014H*015H
033502	3J08G	000000	3J03F	000000	2030	000000	18	X000	546A	011H
034722	8J06F	000000	8J04F	020010	2050	000000	81	X000	547	I5L*I6L
036554	8J06F	000000	8J04F	020010	2050	000000	81	X000	548	I7L*I8L
037625	8J06E	000000	8J25B	235113	2070	020151	80,81	X023	549	I6H
040001	6J24A	000147	6J23A	XXXXXX	0651	000000	164	X003	550	I41H
040001	6J24A	000147	6J23A	XXXXXX	0651	000151	164	X003	551	I40H,I42H,I44H, I36L,I52L
040502	4J14F	000000	4J15F	000000	2000	000000	86	X000	552	I5L,I7L,I10L, I15H,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
	4J18F		4J17F		2000		88			I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	4J21A		4J04A		2070		96			I9L,014H
	4J24A		4J26A		2070		96			I9L,014H
	4J21B		4J20B		2050		96			09L,I5H,I6H
	4J23B		4J22B		2050		96			I7H,I8H
	4J32G		4J30G		2900		103			I5L
040516	4J21B	000000	4J20B	040000	2050	000000	96	X006	553	I5L*I6L
040517	4J22A	000000	4J20A	040000	2920	000000	96	X006	554	I6L,I8L,I13L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	4J21A		4J04A		2070		96			013L,I7H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
							PLATE		
	4J21B		4J20B		2050		96		I6L, I7L
	4J14F		4J15F		2000		86		I6L
040545		000147		XXXXXX		000151	X003	555	
	4J08B		4J07B		2040		84		I11H, I12H
040557		077000		777600		000151	X003	556	
	4J18F		4J17F		2000		88		I7L
040563		760777		777777		000151	X003	557	
	4J18F		4J17F		2000		88		I9L
040726		000000		040000		000000	X006	558	
	4J23B		4J22B		2050		96		I5H
042641		000000		020010		000000	X000	559	
	8J06F		8J04F		2050		81		09H
044364		000000		000000		000000	X000	560	
	4J32G		4J30G		2900		103		I12L
044471		000000		000000		000000	X000	561	
	8J07F		8J06F		2050		81		I11L*I12L
052351		000000		040000		040000	X026	562	
	4J08B		4J07B		2040		84		015L
060502		000000		000000		000000	X000	563	
	4J21A		4J04A		2070		96		I7L, 013H
060516		000000		060000		000000	X006	564	
	4J20B		4J12B		2050		96		I13L*I14L*I15L
060517		000000		060000		000000	X006	565	
	4J21A		4J04A		2070		96		011L, 012L, I5H, I6H
	4J20B		4J12B		2050		96		I12L, I13L
061330		000000		000000		000151	X003	566	
	3J17C		3J09C		2060		48		015H, I11L*I12L
063502		000000		000000		000000	X000	566A	
	3J02E		3J04E		2060		18		015H
063563		777677		777777		000151	X003	567	
	3J30F		3J29F		2030		14, 03		I6L
070516		000000		070000		000000	X006	568	
8-308		CHANGE 7							

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE	FAULT	
	4J20B	4J12B	2050	96	I5L*I6L
070517	000000	070000	000000	X006	569
	4J20B	4J12B	2050	96	I6L, I7L
072174	000000	040000	000000	X006	570
	4J23B	4J22B	2050	96	I6H
100001	000147	XXXXXX	000151	X003	571
	6J21C	6J19C	0761	135, 136, 138, 175	052H
100501	000000	000000	000000	X000	572
	7J18D	7J15D	2013	06	013L*014L*015L
100502	000000	000000	000000	X000	573
	4J16G	4J15G	2000	86	I7L, I10L, I15H, 013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J17F	4J16F	2000	88	I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J21A	4J04A	2070	96	I10L, 015H
	4J21B	4J20B	2050	96	010L, I11H, I12H
	4J25B	4J24B	2050	96	I11H, I12H
	4J32G	4J30G	2900	103	I14L
100503	000000	000000	000000	X000	574
	7J20G	7J21G	2020	35	I13L
100512	000000	100002	000000	X002	575
	4J16G	4J15G	2000	86	I5L
100516	000000	000000	000151	X003	576
	4J10A	4J09A	2040	84	I7L
100516	000000	677777	000000	X226	577
	4J19G	4J18G	2000	88	I15L, 013H*014L, 013H
100516	000000	677777	000151	X003	578
	4J10A	4J09A	2040	84	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
	4J19G		4J18G		2000		88			I13L*I14L I5H,I6H
100516	4J21B	000000	4J20B	700000	2050	000000	96	X226	579	I13L*I14L*I15L
100516	4J21E	000000	4J20E	777777	2920	000000	93	X226	580	I5L,I8L,I11L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
100517	4J25B 4J16G	000000	4J24B 4J15G	100000	2050 2000	000000	96 86	X006	581	I13H,I14H,I15H I6L
100517	4J24B 4J21B	000000	4J23B 4J20B	700000	2050 2050	000000	96 96	X226	582	010L,I13H,I14H, I15H I12L,I13L
100545	4J10A	000147	4J09A	XXXXXX	2040	000151	84	X003	583	I11H,I12H
100557	4J17F	077000	4J16F	777600	2000	000151	88	X003	584	I7L
100563	4J17F	740777	4J16F	777777	2000	000151	88	XC03	585	I9L
100621	4J09B	020000	4J08B	000006	2040	000151	84	X023	586	I13H
101404	3J23D	000004	3J21D	100645	2060	000151	40	X003	587	I9L
101637	3J23E	000063	3J22E	501100	2013	000151	40,43	X003	588	I9L
102102	8J19F 3J24F 8J06E 8J07F	000000	8J18F 3J28F 8J25B 8J06F	000000	2000 2900 2070 2050	000151	117 40 80,81 81	XC03	589	I15L,I11H,I12H, 015H*014L,013H I14H,013H*015L, 013H I5L,011H 010L,I11H,I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANU	SYMPTOM	FAULT
102102	6J34B	000147	6J32B	XXXXXX	0400	000151	140,142	X003	590	I39H
104364	4J32G 4J25B	000000	4J30G 4J24B	000000	2900 2050	000000	103 96	X000	591	19L 010L
104364	4J24A	000000	4J21A	100000	2070	000000	96	X006	592	I7L,013H
106657	7J09D	000706	7J16D	074000	2060	000000	28,51,53	X001	593	I10L
106657	7J28C	000706	7J12B	074000	2160	000151	28	X003	594	I6L
107703	4J10E	000147	4J09E	XXXXXX	2040	000151	83	X023	595	I11L
110501	7J02D	000000	7J03D	000000	2013	000000	06	X000	596	I5L
110502	7J02D	000000	7J03D	000000	2013	000000	06	X000	597	013L*014L*015L
115123	8J07F	100000	8J06F	000002	2050	100000	81	X022	598	I5L*I6L
115374	8J07F	100000	8J06F	000002	2050	100000	81	X022	599	09H
116035	8J07F	100000	8J06F	000002	2050	100000	81	X022	600	I7L*I8L
117414	8J18F	000000	8J17F	020010	2000	000000	117	X000	601	I7L
123502	3J08G	000000	3J30F	000000	2030	000000	18,24	X000	602	I12L
123623	8J06F	000000	8J04F	020010	2050	000000	81	X000	603	I6L
125223	8J07F	100000	8J06F	000002	2050	000000	81	X022	604	I6L
130501	7J18D	000000	7J15D	000000	2013	000000	06	X000	605	I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	CHAND	SYMPTOM	FAULT
				TYPE		PLATE		
131662	4J08B	040000	4J07B	040006	000151	X023	606	I13H
				2040		84		
132733	4J10A	100000	4J09A	100010	000151	X023	607	I13H
				2040		84		
133505	4J10A	100000	4J09A	100010	000151	X023	608	I14H
				2040		84		
135402	4J24C	000000	4J21C	001000	000000	X016	609	I7L
				2070		95		
140001	8J07F	000147	8J06F	XXXXXX	000151	X003	610	I14L
				2050		81		
140516	4J08B	000000	4J07B	000000	000151	X003	611	I7L
				2040		84		
140516	4J08B	000000	4J07B	737777	000151	X003	612	I5L, I9L, I11L, I13L, I15H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L I5H, I6H
	4J17F		4J16F	2000		88		
140516	4J17F	000000	4J16F	737777	777777	X226	613	I15L, I13H* I14L, I13H
				2000		88		
140517	4J03B	000000	4J02D	700000	000151	X003	614	I7H, I8H, I9H, I10H* I11H* I12H I9L, I14H, I8L* I9L* I10L I09L, I7H, I8H
	3J06B		3J02B	2060		17		
	3J08A		3J10A	2050		17, 23		
142102	6J24A	000147	6J23A	XXXXXX	040151	X003	615	I36H
				0651		164		
142463	7J23F	000706	7J19F	074000	000151	X003	616	I8L
				2060		35, 36		
147133	4J24C	000000	4J21C	001000	000000	X016	617	I013H
				2070		95		
147372		100000		100000	100000	X026	618	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	4J10A		4J09A		2040		84			015L
152156	8J17G	100000	8J18G	000002	2000	000000	117	X022	619	17L
152246	4J23B	000000	4J22B	000000	2050	000000	96	X000	620	09L
155576	4J09B	000000	4J08B	020000	2040	020000	84	X026	621	015L
160072	6J29C	000147	6J31C	XXXXXX	0040	000151	136	X003	622	I33L
160516	4J09B	000000	4J08B	000000	2040	000151	84	X003	623	17L
160516	4J09B	000000	4J08B	757777	2040	000151	84	X003	624	15L, 19L, I11L, I13L, 015H, 15L* 16L, 17L*18L, 19L* I10L, I11L*I12L, I13L*I14L 15H, 16H
	4J18F		4J17F		2000		88			
160516	4J18F	000000	4J17F	757777	2000	777777	88	X226	625	I15L, 013H*014L, 013H
167563	4J23B	000000	4J22B	000000	2050	000000	96	X000	626	010L
170001	4J09D	000000	4J08D	770000	2013	000000	17,26	X006	627	15L, 013L*014L* 015L 015L, I11H, I12H
	3J06F		3J13F		2060		17			
170502	3J02E	000000	3J04E	000000	2060	000000	18	X000	628	014H, I8L*I9L* I10L
170516	4J10B	000000	4J09B	000000	2040	000151	84	X003	629	17L
170516	4J10B	000000	4J09B	767777	2040	000151	84	X003	630	15L, 19L, I11L, I13L, 015H, 15L* 16L, 17L*18L, 19L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	4J19F		4J18F		2000		88			I10L, I11L*I12L, I13L*I14L I5H, I6H
170516	4J19F	000000	4J18F	767777	2000	777777	88	X226	631	I15L, 013H*014L, 013H
170516	4J23E	000000	4J03E	777777	2920	000000	92	X226	631A	015H
170516	4J23E	000000	4J22E	777777	2920	777777	93	X226	632	I5L, I8L, I11L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L 09L, I5H, I6H
170517	4J20A	000000	4J13A	770000	2920	777777	96	X226	633	I5L, 015H, I11L* I12L*I13L, I5L* I6L*I7L, I8L*I9L* I10L
170525	4J10B	000000	4J05B	777777	2040	000151	84	X003	633A	015H
174364	3J22F	000000	3J08F	000002	2070	000151	41	X002	634	011L, I5H
174516	4J08C	000000	4J07C	000000	2040	000151	83	X003	635	I7L
174516	4J08C	000000	4J07C	773777	2040	000151	83	X003	636	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L I5H, I6H
174516	4J17E	000000	4J16E	773777	2000	777777	88	X226	637	I15L, 013H*014L, 013H
175455	4J23B	000000	4J22B	020000	2050	000000	96	X006	638	I12H

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TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	CHANO	SYMPTOM	FAULT
				TYPE		PLATE		
176313	4J23B	000000	4J22B	020000	000000	X006	639	I11H
176516	4J09C	000000	4J08C	2040	000151	X003	640	I7L
176516	4J09C	000000	4J08C	2040	000151	X003	641	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L I5H, I6H
	4J18E		4J17E	2000		88		
176516	4J18E	000000	4J17E	2000	775777	X226	642	I15L, 013H*014L, 013H
176705	3J21G	741517	3J19G	2060	000151	X003	643	I7L
176737	8J07F	000000	8J06F	2050	000000	X000	644	I13L*I14L*I15L
177516	4J08E	000000	4J07E	2040	000000	X006	645	I7L
177516	4J10C	000000	4J09C	2040	000151	X003	646	I7L
177516	4J10C	000000	4J09C	2040	000151	X003	647	I5L, I9L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L I5H, I6H
	4J19E		4J18E	2000		88		
177516	4J19E	000000	4J18E	2000	776777	X226	648	I15L, 013H*014L, 013H
177516	4J08E	000000	4J07E	2040	777377	X006	649	I5L, I13L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L

TABLE 8-11. BOOTSTRAP LOAD FAILURE - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANO	SYMPTOM	FAULT
177516	4J08E	000000	4J05E	777577	2040	000000	83	X006	649A	015H
177516	4J24E	000000	4J23E	777777	2920	777777	92	X226	650	015H, I11L*I12L* I13L, I15L*I16L* I17L, I18L*I19L* I10L
177517	4J24E	000000	4J26E	777777	2920	000000	92	X226	650A	015H
177777	4J04D 3J29E	000000	4J03D 3J20E	000000	2013 2070	000000	05 14	X000	651	I15H, I16H 012H
177777	7J05C	777777	7J04C	777777	2020	000151	28	X003	652	I13L*I14L*I15L, 011H

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	AU	AL	CE	CHANG	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
000000	000000	000000	000000	X000	1
3J30F	3J29F	2030	14,03		010L,15H,16H, 17H,18H,19H
7J05C	7J04C	2020	28		110L,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
3J33C	3J16C	2050	03		16L,18L,09H,15L* 16L,17L*18L
3J27C	3J26C	2060	14		014L,18H,19H, 110H
7J216	7J20G	2020	36		011L*012H,15L* 16L*17L,18L*19L* 110L,012H
3J27B	3J20B	2070	14,15		15L,011H
3J31C	3J13C	2020	03		113H,114H,115H
000500	000000	000000	000000	X000	2
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.					
4J04B	4J02B	2900	27		15L,112L,114H, 06L*08H,013H* 015L,17L*15L* 114L,110L*112L* 19L,08H,013H
7J20G	7J21G	2020	35		18L,19L,113H, 114H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H
4J03B	4J02D	2013	05,17		15H,16H,013H* 014H*015H
7J02D	7J03D	2013	06		17H,18H,19H
7J20F	7J21F	2020	35		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
4J17D	4J16D	2013	19		15H,013H*014H* 015H
4J18D	4J19D	2013	19		17L,010L*011L* 012L
4J22G	4J21G	2050	94		112L,113L,010H, 111L*112L,113L* 114L*115L
4J32A	4J30A	2900	89		112H,06H*08L, 06H
4J33A	4J34A	2900	102		112H,06H*08L, 06H
4J20F	4J11F	2920	94		15L,19L,111L,

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	PLATE	SYMPTOM	FAULT
										015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	3J13A		3J16A		2060			27		015L, I11H, I12H
	4J04C		4J03C		2060			27, 38		I5L, 013H, I5L* I6L*I7L
	4J21F		4J24F		2070			94		011L, I5H
	4J26A		4J24A		2070			98, 93, 96		I6L, 012H
	7J19E		7J16E		2070			35, 36, 52		I10L, 014H, 015H
	4J22E		4J21E		2920			93		015L, I11H, I12H, I13H, I14H
	4J27B		4J26B		2050			93, 96		09L, I5H, I6H
	7J19D		7J18D		2013			06		I6H
	3J05C		3J07C		2920			19		015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	3J13G		3J07G		2920			35		015L, I5H, I6H, I7H
	3J06E		3J04E		2060			24, 19		I11H, I12H
	3J11A		3J06A		2060			27, 30		013H, I5L*I6L* I7L
	3J05B		3J22B		2080			19		09H, I10L*I11L* I12L*I13L*I14L* I15L
	4J25A		4J10A		2040			93		015L, I9H
	3J02B		3J06B		2060			21, 18		I5L
	4J19A		4J18A		2000			87		I5L
	3J28A		3J10A		2050			27		09L
	3J04B		3J33B		2920			21		015H
	4J13B		4J03C		2060			30		014H

000501	000000	000600	000000				X000			3
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.										
	4J16A		4J15A		2000			85		I15L, I9H, I10H, 013H*014L, 013H
	8J17E		8J16E		2000			116		I15L, I11H, I12H, 013H*014L, 013H
	3J20D		3J19D		2013			45		I6L, 013L*014L* 015L
	3J24F		3J28F		2900			40		I12H, 06H*08L, 06H
	3J23B		3J21B		2060			41		I6L, 013H, I5L* I6L*I7L
	3J22F		3J08F		2070			41		012L, I6H
	3J30G		3J23G		2070			03		013L, I7H
	8J06B		8J02B		2070			79, 80		I5L, 011H

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
							PLATE		
	8J07C		8J06C		2050		80		09L, I5H, I6H
	3J30D		3J28D		2900		13		I9L
	7J05C		7J04C		2020		28		I7L
	3J26F		3J12F		2050		14, 12		I15L
000501		000000		000000		000000	X001	3A	
	8J116		8J11E		2060		107		013H
	3J216		3J05G		2060		45		014H
000503		000000		000000		000000	X000	4	
	3J29B		3J19B		2050		13		09L
	3J29G		3J26G		2040		12		I9L
000504		000000		000000		000000	X000	5	
	3J27G		3J12G		2050		12		I11L
000507		000000		000000		000000	X002	7	
	2J14C		2J25C		2070		58		I9L, 014H
000507		000000		000000		000000	X020	8	
	FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.								
	7J03E		7J04E		2060		50		I6L, 014L, 015L, I8H, I9H, I10H, I11H, I12H, 013H, I5L*I6L*I7L
	7J13D		7J12D		2013		50		I7H, I8H, I9H, 010H*011H*012H
	7J17F		7J18F		2030		49		011L, I12H, I13H, I14H, I15H
	3J27C		3J26C		2060		14		I5L, 013H, I5L* I6L*I7L
	7J16F		7J15F		2060		28, 49		I12L, 015H, I11L* I12L
	7J12A		7J14A		2900		50		I5L, I14H
	3J26F		3J12F		2050		14, 12		09L, I7H, I8H
	7J03D		7J02D		2013		06		013H*014H*015H
	7J14D		7J15D		2013		49		I8L
	7J02E		7J28C		2160		50		014L, I5H
	2J02A		2J07A		2060		58, 65A		013L, I5L*I6L* I7L, I6H
	7J17G		7J13G		2050		49, 51		I14L
000507		000000		000000		000000	X021	9	
	7J13C		7J27B		2050		51		09L, I7H, I8H
	2J08B		2J09B		2900		66		06H
	7J14C		7J12C		2000		51		I10L
000507		000000		000000		000000	X421	10	

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHANO	SYMPTOM	FAULT
	7J15D		7J14D		2013		49		I7H, I8H, I9H,
	2J07B		2J06B		2060		66		010H*011H*012H
	7J13E		7J32E		2050		51		015L, I11H, I12H,
	7J16C		7J03C		2070		50, 51		014H, I8L* I9L*
	7J14E		7J12E		2000		51		I10L
									I8L, 09H, I5L* I6L,
									I7L* I8L
									I7L, 013H
									I9H, I10H
000507		000000		000000		000016	X020	11	
	2J02A		2J07A		2060		58, 65A		I5H
000507		000000		000000		000151	X002	12	
	3J22A		3J15A		2013		13, 43		I7H, I8H, I9H
	3J29E		3J20E		2070		14, 13, 12		013L, I7H
	3J29A		3J30A		2020		13		I8H, I9H, I10H
	3J28B		3J30B		2900		12		I11L
	3J27E		3J26E		2060		12, 14		I12L
000507		000000		000000		000436	X020	13	
	7J14D		7J13D		2013		49		I5H
000507		000000		000000		000737	X020	14	
	2J08B		2J09B		2900		66		I11L
	7J14D		7J13D		2013		49		I6H
000510		000000		000000		000151	X002	16	
	3J30B		3J28B		2900		13		I11L, I12L, 06L*
									08H, I7L* I5L*
									I14L, I10L* I12L*
									I9L, 08H
	3J29B		3J19B		2050		13		I8H
	3J29G		3J26G		2040		12		I13L
000510		000000		000000		000151	X022	17	
	3J15B		3J14B		2930		08, 09		I7L
000512		000000		777777		000151	X003	18	
	4J04C		4J03C		2060		27, 38		013L, I5H, I6H,
	3J20F		3J19F		2060		27, 45		I7H
	4J04B		4J02B		2900		27		013H, I5L* I6L*
									I7L
									I11L
000516		000000		000000		000000	X000	19	
	8J29A		8J28A		3640		122		I7L, 012L, I5H,
									013H

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHANG	SYMPTOM	FAULT
	8J30A		8J05A		2070		122			19L,014H
	8JU2E		8J03E		2050		24,33			111H,112H
	8J04D		8J11E		2060		24			014H
000516	8J24A	000000	8J19A	000000	2000	000000	122	X004	20	15H,16H
000516	7J10G	000000	7J08G	000000	2000	000000	104	X006	21	15L
000516	7J05B	000000	7J03B	000000	2070	000000	28,31,35	X023	22	013L
000516	7J02A	000000	7J12B	000000	2160	000000	22	X026	23	17L
000516	3J33E	000000	3J32E	000000	2013	000000	04,05	X020	24	15L,013L*014L* 015L
000516	7J12D	000000	7J11D	000000	2013	000151	22	X003	25	16L,013L*014L* 015L
	7J10G		7J08G		2000		104			19L
000516	3J02C	000000	3J04C	000000	2060	000151	30,15,21	X023	26	19L
000516	3J25A	000000	3J24A	000000	2013	000151	15	X026	27	15L
000517	8J06A	000000	8J03A	000000	2050	000000	79	X000	27A	010H
000517	7J14C	000000	7J12C	000000	2060	000000	51	X006	28	19H,110H
	7J04F		7J03F		2060		51,134			112H
	7J13C		7J27B		2050		51			15L*16L,09H
000517	3J19D	000000	3J10D	000000	2013	000000	05	X020	29	17L,010L*011L* 012L
000517	8J30D	000000	8J23D	000000	3660	000000	124	X023	29A	07H
000517	7J02B	000000	7J15B	000000	2060	000000	49	X163	29H	015H

TABLE 2-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	CHANG	SYMPTOM	FAULT
							PLATE		
000517	7J13C	000000	7J27B	000000	2050	000002	X006	30	I&L
000517	7J09D	000000	7J16D	000000	2060	000016	X006	31	I11L
000517	3J22A	000000	3J15A	000000	2013	000151	X003	32	I5L,013L*014L* 015L
	3J20D		3J19D		2013		45		I5L
	3J22G		3J25G		2013		42		I7L
000517	7J17G	000000	7J13G	000000	2050	000151	X006	33	010L
000517	8J19C	000000	8J18C	000000	2000	000151	X007	34	I9L
000517	3J26B	000000	3J25B	000000	2013	000151	X027	35	I7L,010L*011L* 012L
000517	7J09D	000000	7J16D	000000	2060	000416	X006	36	I11L*I12L
000517	8J06A	000000	8J03A	000001	2050	000000	X000	37	I12L,010H,I11L* I12L,I13L*I14L* I15L
	8J17A		8J15A		2000		115		I12L
000517	4J10G	000000	4J09G	000001	2040	000000	X006	38	015L,I9H,I10H
	4J16A		4J15A		2000		85		I6L
000517	3J08G	000000	3J30F	000512	2030	000000	X026	39	I15L
000520	7J04F	000000	7J03F	000000	2060	000000	X006	40	015L,I11H
	7J15F		7J16F		2060		51		015H,I11L*I12L
	7J13C		7J27B		2050		51		09H,I7L*I8L
	7J09D		7J16D		2060		28,51,53		015H
000520	7J09D	000000	7J16D	000000	2060	000000	X026	41	I8L*I9L*I10L
	7J16G		7J33B		2080		28,49		I14L

TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LOC	SWAP	TYPE	PLATE	FAULT	
000520	000000	000000	000151	X006	42
2J08B	2J09B	2900	66	013H	
7J12A	7J14A	2900	50	110L	
000520	000000	000000	000151	X026	43
7J02B	7J15B	2060	22,23,49	16L	
000520	000000	000000	000737	X006	44
7J15F	7J04F	2060	51	112L	
000520	000000	000000	777777	X006	45
7J09D	7J16D	2060	28,51,53	014H	
000520	000000	000000	777777	X026	46
7J05B	7J03B	2070	28,31,35	17H	
000521	000000	000000	000000	X000	47
7J03D	7J02D	2013	06	15H,16H	
000521	000000	000000	000151	X003	48
FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.					
7J24B	7J31B	2020	37	15L,16L,17L,19L, 110L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H	
7J25C	7J30C	2020	37	15L,16L,17L,19L, 110L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H	
7J24A	7J03A	2020	37	16L,17L,110L, 113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H	
7J25A	7J31A	2020	37	16L,17L,110L, 113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H	
7J25B	7J31B	2020	37	16L,17L,110L, 113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H	
7J18D	7J15D	2013	06	17H,18H,19H,	

TABLE 3-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	CHAND	SYMPTOM	FAULT
	7J24D		7J25D		2013		37		010H*011H*012H I8L, I5H, I6H,
	7J22B		7J05B		207U		37		010L*011L*012L 011L, 012L, 014L,
	7J24C		7J30C		2020		37		I5H, I6H, I9H I6L, I7L, I13H,
	7J05E		7J21E		2020		23		I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	7J21F		7J20F		2020		36		I13L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	7J21G		7J20G		2020		36		I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J22C		7J19C		2060		37		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	7J19E		7J16E		2070		35, 36, 52		013L, I5H, I6H, I7H, 013H, I5L* I6L*I7L
	7J05C		7J30C		2020		28		I5L, I6L, 011H, 012H
	7J23B		7J13B		2050		37, 54		I5L, I6L, I13H, I14H, I15H
	3J20G		3J16G		2070		8, 45		09L, I5H, I6H, I7H, I8H
	3J25A		3J24A		2013		15		I9L, 014H
	7J19D		7J15D		2013		06		010L*011L*012L
	7J20D		7J15D		2013		37		010L*011L*012L
	7J21D		7J25D		2013		37		010H*011H*012H
	3J07G		3J13G		2920		36		I5L 015L, I8H, I9H, I10H
	7J20A		7J11A		2000		37		I10L, I15H
	7J16G		7J33B		2080		28, 49		05H, I6L*I7L*I8L
	3J14B		3J15B		2930		10, 11		I14L
	7J20C		7J14C		2000		37		I10L
	7J21C		7J06E		2000		37		I10L
	7J04C		7J30C		2020		28		I10L
	7J20B		7J31B		2020		37		I10L
	7J21A		7J03A		2020		37		I10L
	7J21B		7J31B		2020		37		I10L
	7J19A		7J18B		2030		37		I13L

TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	AU	AL	CE	CHAND	SYMPTOM
LCC	SAP	TYPE	PLATE		FAULT
000521	000000	000076	000151	X003	49
3J33E	3J32E	2013	04,05		17L
000522	000000	000000	000151	X003	50
7J19A	7J15B	2030	37		010L,15H,16H, 17H,18H,19H
7J21G	7J20G	2020	36		17L,113H,114H, 115H
7J22C	7J19C	2060	37		015L,111H,112H
7J23F	7J19F	2060	35,36		111L,015H,111L* 112L
7J19E	7J16E	2070	35,36,52		012L,16H
7J22B	7J05B	2070	37		110L,015H
000522	000000	000076	000151	X003	51
3J27G	3J12G	2050	12		115L
000526	000000	000076	000151	X003	52
3J28D	3J24D	2900	12		111L
3J30C	3J28C	2900	13		111L
3J29G	3J26G	2040	12		111L
000526	000520	000076	000151	X003	53
3J30C	3J28C	2900	13		17L*15L*114L, 110L*112L*119L
000526	044444	052076	000151	X003	54
3J30C	3J28C	2900	13		112L,06L*06H
000526	503726	052076	000151	X003	55
3J30C	3J28C	2900	13		08H
000537	000000	000000	000151	X003	55A
3J22B	3J05B	2080	41		05H
000541	000147	XXXXXX	000151	X003	56
6J13C	6J15C	0761	137,175		151L
000544	000147	XXXXXX	000151	X023	57
7J14A	7J12A	2900	50		110L
000555	000000	000000	000151	X003	58
7J21A	7J03A	2020	37		113H,114H,115H
000561	000000	000000	000151	X003	59
7J22C	7J19C	2060	37		19L,014H,18L* 19L*110L

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TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	7J22B		7J05B		2070		37			013L, 17H
	7J24A		7J21A		2020		37			15L, 19L
	7J25A		7J31A		2020		37			15L, 19L
	7J25B		7J24B		2020		37			15L, 19L
000563	7J23B	060740	7J13B	000000	2050	000151	37, 54	X003	60	15L, 17L, 09H, 15L* 16L, 17L*18L
000563	7J22C	360000	7J19C	000000	2060	000151	37	X003	61	18L
000601	8J05A	141532	8J30A	505009	2070	000150	79	X003	61A	015H
000603	6J34A	000147	6J33A	XXXXXX	0651	000151	159	XU03	62	144L, 148L
	6J34E		6J33E		0651		168			153H, 154H
	6J15C		6J13C		0761		137, 175			131L, 132L, 045L
	8J03B		8J04B		2050		111			15L, 09H, 15L*16L, 17L*18L
	4J11E		4J13D		2070		82, 83			012L, 16H
	8J07H		8J04E		2050		79			113H, 114H, 115H
	4J06F		4J05F		2040		108			15L, 111L, 114L
	7J07F		7J06F		2000		111			19H, 110H
	4J34B		4J33B		2900		102			15H
	4J09F		4J08F		2040		82			18L
000640	3J32D	010000	3J29D	042312	2013	000151	05	X003	63	15L
006635	3J29C	000000	3J25C	000000	2013	000000	13	X000	64	15H
046635	3J27A	000000	3J18A	000000	2060	000151	13, 25, 33	X022	65	15H
126635	3J31F	000000	3J09F	000000	2020	000000	03	X000	66	18L
142615	3J26B	000000	3J25B	000000	2013	000000	03, 14	X000	67	18H, 19H
144635	3J27A	000000	3J18A	000000	2060	000000	13, 25, 33	X000	68	15L*16L*17L
146635	3J29D	000000	3J27D	000000	2013	000000	12, 13	X000	69	17H, 18H, 19H

TABLE 8-12. BOOTSTRAP LOAD FAILURE - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	CHAND	SYMPTOM	FAULT
	3J29C		3J25C		2013		13			16H, 013H*014H* 015H
	7J23D		7J26B		2930		34			19L
	3J14A		3J12A		2070		08,27,107			11UL
146635		000000		000000		000151		X022		70
	3J29C		3J25C		2013		13			15L
	3J27A		3J18A		2060		13,25,33			013L
	3J29F		3J17F		2030		48,12			115L
166615		000000		000000		000000		X000		71
	3J30B		3J28B		2900		13			112H, 06H
166635		000000		000000		000000		X000		72
	3J14A		3J12A		2070		08,27,107			015H
	3J31F		3J09F		2020		03			012H
166635		000000		000000		000000		X004		73
	3J30E		3J28E		2900		13			112L
166635		200000		000010		000000		X000		74
	3J25A		3J24A		2013		15			013H*014H*015H
166637		000000		000000		000000		X000		75
	3J15F		3J23F		2013		08,09			15H, 013H*014H* 015H
166637		200000		000010		000000		X000		76
	3J25A		3J24A		2013		15			15H

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TABLE 8-13. BOOTSTRAP LOAD FAILURE - NO LOOP LIMIT CONDITION

LOC	SWAP	TYPE	PLATE	FAULT

3J24A	3J22A	2013	15	15H, I6H, I7H, I8H, 010H*011H*012H, 013H*014H*015H
3J22E	3J13E	2013	41,43	15H, I6H, 013H* 014H*015H
3J08D	3J05D	2060	22	I12L, 014L, I8H, I9H, I10H
3J24B	3J23B	2060	41,15	015L, I11H, I12H
3J26C	3J23C	2060	22,35	I9L, 014H, I8L* I9L*I10L
3J24C	3J12C	2070	44,41,40,14	013L, I7H
3J23E	3J25E	2013	40,43	I8L
3J33E	3J32E	2013	04,05	010L*011L*012L
8J04C	7J16G	2080	40,107	09H, I10L*I11L* I12L*I13L*I14L* I15L
8J06G	8J02G	2070	81	I9H
3J23D	3J21D	2060	40	I12L
8J07G	8J03G	2050	81	I5L*I6L

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	PLATE	FAULT
000401	4J23D	376021	4J22D	444403	000151	1	95	I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
	4J24C		4J21C				95	015L, I10H
000501	7J09A	000000	7J13A	000000	000000	2	107	I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
000502	7J31D	000000	7J27D	000000	000000	3	31	I9L, 010L*011L* 012L
	3J18D		3J16D				47	014L, I9H
	3J18F		3J13F				47	014H, I8L*I9L* I10L
	7J32C		7J31C				31	I5L
000512	7J31b	000000	7J25B	000002	000151	4	31	I5L
000517	7J15A	000000	7J23A	000000	000000	4A	50	015H
000521	3J18F	000000	3J13F	000000	000151	5	47	I8L
000531	3J24D	000000	3J12D	000000	000151	6	40	I11L
000531	3J25A	000000	3J24A	760054	000151	7	15	I9L
	7J31D		7J27D				31	I8L
000540	7J30C	000146	7J25C	105050	000151	8	31	I5L
000567	3J21C	000000	3J20C	511721	000151	9	44	015L, I11H, I12H
000567	3J03D	770077	3J04E	511721	000151	10	20	I8L
000601	4J10F	000000	4J09F	007060	000151	11	32	I11H, I12H

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TABLE 3-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	3J17D	000000	3J02D	020000	2060	000151	47	12	I8L
000601	4J25B	000000	4J24B	124647	2050	000151	96	13	I5L, I6L, 09H, I5L* I6L, I7L* I8L
	4J24A		4J21A		2070		96		012L, I6H
	4J26B		4J27B		2050		96		I13H, I14H, I15H
	4J26D		4J25D		2050		95		I13H, I14H, I15H
	4J15G		4J14G		2000		86		I5H, I6H
	4J28E		4J02E		2900		100		I12H
	4J09A		4J02A		2040		84		I10L
000601	3J21A	000000	3J19A	303467	2160	000151	44	14	I11L
000601	4J23A	000000	4J22A	505020	2920	000151	96	15	I5L
000601	3J24E	000000	3J12E	505610	2900	000151	40	16	I10L
000601	8J03G	000000	8J07G	560631	2050	000151	113	16A	09H
	6J22A		6J21A		0651		165		
000601	6J22A	000001	6J21A	560632	0651	000151	165	17	I53H, I44L, I47L, I48L
	6J23C		6J21C		0761		135, 136, 175		I31L, I32L, 045L
	6J22E		6J21E		0651		174		I54H
	4J06A		4J05A		2040		110		I5L, I7L, I9L, I11L, I14L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
	7J07A		7J06A		2000		113		I15L, I7H, I8H, I9H, I10H, 013H* 014L, 013H
	8J03G		8J09G		2050		113		I5L, 09H, I5L* I6L, I7L* I8L
	4J11C		4J21C		2070		83, 84		012L, I6H
	8J07G		8J09G		2050		81		I13H, I14H, I15H
	4J09A		4J02A		2040		84		I6L
000601	4J08C	000007	4J07C	101020	2040	000151	83	18	I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J26B	000077	4J25B	105020	2050	000151	96	19	17H, 18H
000601	4J14B 4J35E	000151	4J15B 4J31E	000076	2000 2030	000151	85 29	20	18L 18L
000601	3J24G	000706	3J28F	222131	2900	000151	40	21	17L
000601	4J14G 4J08A	000777	4J15G 4J07A	105020	2000 2040	000151	86 84	22	15H, 16H 110L
000601	4J24B	003460	4J23B	303467	2050	000151	96	23	111H, 112H
000601	4J20A	003470	4J13A	303467	2920	000151	96	24	19L
000601	4J28F	003777	4J02F	101020	2900	000151	100	25	19H
000601	7J16E 7J20G	005765	7J19E 7J21G	760770	2070 2020	000151	10,49,50,54 35	26	013L, 17H 15L
000601	3J16A	006132	3J13A	003056	2060	000151	48,28	27	17L
000601	4J09F	007060	4J08F	730350	2040	000151	82	28	111H, 112H
000601	4J10F	011724	4J09F	006522	2040	000151	82	29	15H, 16H
000601	4J35E	020653	4J31E	012244	2030	000151	29	30	112L
000601	4J03G	032472	4J27F	057235	2920	000151	39	31	16L, 18L, 015H, 111L*112L*113L, 15L*16L*17L, 18L* 19L*110L
000601	4J27C	042467	4J25C	303467	2920	000151	92	32	18H, 19H, 110H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
000601	4J23E	043473	4J22E	303467	000151	93	33	15H,16H,17H
000601	4J35D	045751	4J31C	127252	000151	29	34	011H, I12L*I13L* I14L
000601	4J24E	046470	4J23E	303467	000151	92	35	15H,16H,17H
000601	7J08C 8J19E	051170	7J07C 8J18E	710001	000151	112 116	36	15H,16H 15H,16H
000601	8J13D 8J13E 8J11E 8J17E 8J19E	051562	8J14D 8J12E 8J04D 8J16E 8J18E	765000	000151	2050 2920 2060 2000 2000	37	010L, I11H, I12H I11H, I12H, I13H, I14H I8L I5L I5L
000601	4J15C 4J35E	056440	4J14C 4J31E	000076	000151	85 29	38	I8L I6L
000601	6J23C	057073	6J21C	710001	000151	135,136,175	39	019L*010H*012H
000601	8J34B 8J32A	057453	8J33B 8J31A	504700	000151	3780 2013	40	110H, I11H, I10L* I11L I8L
000601	3J07A	060331	3J02A	004400	000151	23	41	I13L
000601	4J08C 4J35D	061147	4J07C 4J31C	765000	000151	83 29	42	15H, I6H I13L
000601	4J24E	071467	4J23E	303467	000151	92	43	I10L
000601	8J14D 8J17E	073411	8J13D 8J16E	502600	000151	119 116	44	17H, I8H I9L

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LGC	SWAP	TYPE	PLATE		
000601	073470	303467	000151	45	
4J21C	4J11C	2070	95		19L, 014H
4J24C	4J26C	2070	95		19L, 014H
4J23D	4J22D	2050	95		17H, 18H
000601	076466	303467	000151	46	
4J27C	4J25C	2920	92		015L
000601	077460	000000	000151	47	
4J35E	4J31E	2030	29		15L
000601	101777	101020	000151	48	
4J14E	4J15E	2000	86		15H, 16H
000601	103371	303467	000151	49	
4J27A	4J23A	2920	93		015L
000601	103400	505610	000151	50	
4J30A	4J29A	2900	98		013H+015L, 013H
000601	103427	303467	000151	51	
4J27A	4J23A	2920	93		15H, 16H, 17H
000601	103465	303467	000151	52	
4J24B	4J23B	2050	96		17L
000601	103467	303467	000151	53	
4J24E	4J23E	2920	92		19L
000601	103473	303467	000151	54	
4J24B	4J23B	2050	96		15H, 16H
000601	103504	303467	000151	55	
4J22A	4J20A	2920	96		19L
000601	105110	105020	000151	56	
4J26B	4J25B	2050	96		09L
000601	107514	405765	000151	57	
7J08C	7J07C	2000	112		19L
000601	110137	000000	000151	58	
4J08E	4J07E	2040	82		15H, 16H
000601	110536	507300	000151	59	
7J06C	7J07C	2000	112		15H, 16H
8J17E	8J16E	2000	116		15H, 16H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
000601	114405	000000	000151		60		
	4J30B	4J29B	2900	98			I9L
000601	114606	040572	000151		61		
	6J23C	6J21C	0761	135,138,175			06L*018H*024H
000601	117467	303467	000151		62		
	4J23C	4J22C	2920	95			I11L
000601	120674	105257	000151		63		
	7J06A	7J07A	2000	113			I9L
000601	122263	507300	000151		64		
	4J08F	4J07F	2040	82			I5H,I6H
000601	122567	444404	000151		65		
	6J34B	6J32B	0400	140,142			I36H
000601	123420	303467	000151		66		
	4J23C	4J22C	2920	95			I8L
000601	123457	303467	000151		67		
	4J22B	4J21B	2050	96			I11L,I14L
000601	123746	027244	000151		68		
	4J28C	4J02C	2900	97			I9L
000601	141367	000000	000151		69		
	4J29F	4J28F	2900	100,99			I12H
000601	141532	505004	000151		70		
	7J20C	7J14C	2000	37			I5H,I6H
000601	143234	143134	000151		71		
	4J20C	4J22C	2920	95			I11H,I12H,I13H, I14H
000601	143651	000000	000151		72		
	4J14B	4J15B	2000	85			I7H,I8H
000601	153134	143134	000151		73		
	4J20A	4J13A	2920	96			I11H,I12H,I13H, I14H
000601	163470	303467	000151		74		
	4J22B	4J21B	2050	96			I7H,I8H
000601	170611	444603	000151		75		

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	SYMPTOM	FAULT
	6J17C		6J15C			0761	136,137,175		010H,I2CL
000601	4J23E	173466	4J22E	303467		2920	93	76	I12L
000601	4J27C	173467	4J25C	303467		2920	92	77	I11H,I12H,I13H, I14H
000601	4J06F	200001	4J05F	600646		2040	108	78	I7L,I9L,I12L, 015H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L 010L,I5H,I6H, I7H,I8H,I9H I6L,010H,011H I7H,I8H I12H
	2J146		2J096			2030	74A,74B		
	2J126		2J116			2090	74A		
	2J136		2J156			2090	74A		
	7J07F		7J06F			2000	111		
	4J286		4J02G			2900	99		
000601	4J21E	203417	4J20E	303467		2920	93	79	I6L
000601	4J21E	203425	4J20E	303467		2920	93	80	I13L
000601	4J20B	203434	4J12B	303467		2050	96	81	I13H,I14H,I15H
000601	4J25E	203456	4J13E	303467		2050	91,92	82	I7H,I8H
000601	4J24B	203467	4J23B	303467		2050	96	83	I13L
000601	4J27A	203520	4J23A	303467		2920	93	84	I11L
000601	4J26A	203524	4J24A	303467		2070	98,93,96	85	013L,I7H
000601	4J27A	203544	4J23A	303467		2920	93	86	I5L
000601	4J27A	203566	4J23A	303467		2920	93	87	015H,I11L*I12L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
								I13L, I5L* I6L* I7L, I8L* I9L* I10L
000601	4J24E	204467	4J23E	303467	000151	92	88	I12L
000601	4J26C	213455	4J24C	303467	000151	92,95,100	89	I6L, 012H
000601	4J27D	213466	4J26D	303467	000151	92,95	90	I7H, I8H
000601	4J14A 4J08G	213707	4J15A 4J07G	005036	000151	85 82	91	I7H, I8H I6L
000601	8J14C 4J14E 8J19C	242763	8J13C 4J15E 8J18C	000000	000151	119 86 116	92	I13H, I14H, I15H I8L I5L
000601	4J22A	243470	4J20A	303467	000151	96	93	I11L
000601	4J22B	243476	4J21B	303467	000151	96	94	I5L
000601	4J20C	246567	4J22C	303467	000151	95	95	I8H, I9H, I10H
000601	4J27C	250470	4J25C	303467	000151	92	96	I11L
000601	4J25F	252067	4J23F	303467	000151	91	97	I5H, I6H, I7H
000601	4J26E	252767	4J24E	303467	000151	91	98	I13L
000601	4J21D	253060	4J20D	000000	000151	95	99	I5H, I6H
000601	4J23E	253463	4J22E	303467	000151	93	100	I10L
000601	4J24D	253467	4J23D	303467	000151	95	101	I5H, I6H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J26C	253473 4J24C	303467 2070	000151	92,95,100	102	012L,16H
000601	4J30B	257711 4J29B	707710 2900	000151	98	103	111L
000601	4J26C	260466 4J24C	303467 2070	000151	92,95,100	104	17L,013H
000601	4J25E	263473 4J13E	303467 2050	000151	91,92	105	17L
000601	4J26E	264267 4J24E	303467 2920	000151	91	106	110L
000601	4J25F	265267 4J23F	303467 2920	000151	91	107	18H,19H,110H
000601	8J06G 8J04G	266153 8J02G 7J16G	777777 2070 2080	000151	81 40,107	108	015L,110H 112L
000601	4J22C	266467 4J20C	303467 2920	000151	95	109	111L
000601	4J25D 4J24C 4J15E 4J28F 4J09C	271024 4J24D 4J21C 4J14E 4J02F 4J08C	124647 2050 2070 2000 2900 2040	000151	95 95 86 100 83	110	15L,18L,09H,15L* 16L,17L*18L 012L,16H 15H,16H 112H 110L
000601	4J25F	272767 4J23F	303467 2920	000151	91	111	111H,112H,113H, 114H
000601	7J24D	275115 7J21D	444617 2013	000151	37	112	013H*014H*015H
000601	4J22C	301067 4J20C	303467 2920	000151	95	113	112L
000601	4J27E	301407 4J26E	303467 2920	000151	91	114	110L
000601		302067	303467	000151		115	

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TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J22C		4J20C		2920		95		I11H, I12H, I13H, I14H
000601	4J22E	302247	4J21E	303467	2920	000151	93	116	I8H, I9H, I10H
000601	4J23F	302667	4J22F	303467	2920	000151	94	117	I10L
000601	4J26A 4J27B	302670	4J24A 4J26B	303467	2070 2050	000151	98,93,96 93,96	118	014L, I9H I12L, I13L
000601	4J30A	303123	4J29A	002000	2900	000151	98	119	I12L
000601	4J20E	303140	4J04E	303467	2920	000151	93	120	I6L
000601	4J20E	303153	4J04E	303467	2920	000151	93	121	I10L
000601	4J20E	303160	4J04E	303467	2920	000151	93	122	I9L
000601	4J20E	303206	4J04E	303467	2920	000151	93	123	I13L
000601	4J20F	303400	4J11F	303467	2920	000151	94	124	I8H, I9H, I10H
000601	4J20E	303406	4J04E	303467	2920	000151	93	125	I12L
000601	4J27B	303420	4J26B	303467	2050	000151	93,96	126	I7H, I8H
000601	4J23B	303440	4J22B	303467	2050	000151	96	127	I12L, I13L
000601	4J24B	303446	4J23B	303467	2050	000151	96	128	09L
000601	4J20F	303453	4J11F	303467	2920	000151	94	129	I13L
000601	4J25C	303462	4J23C	303467	2920	000151	92	130	I5H, I6H, I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J23A	303463	4J22A	303467	2920	000151	96	131	18H, 19H, I10H
000601	3J23C	303467	3J21C	303467	2060	000151	41, 44	132	013L, 15H, 16H, 17H
	3J12F		3J11F		2050		29		010L, I13H, I14H, I15H
	3J14G		3J09G		2070		55, 35, 29		I7L, 013H
	3J11E		3J08E		2920		29		I9L, I12L
	3J19F		3J18F		2060		46		I6L
	3J13G		3J07G		2920		35		I9L
000601	4J20F	303470	4J11F	303467	2920	000151	94	133	I11H, I12H, I13H, I14H
	4J22A		4J20A		2920		96		I12L
000601	4J04F	303471	4J11F	303467	2920	000151	39	134	I12L
000601	4J27A	303473	4J23A	303467	2920	000151	93	135	I12L
000601	4J23A	30350C	4J22A	303467	2920	000151	96	136	015L
000601	4J27B	303510	4J26B	303467	2050	000151	93, 96	137	15L, 17L, 09H, 15L* 16L, 17L*18L
000601	4J21E	303513	4J20E	303467	2920	000151	93	138	I11H, I12H, I13H, I14H
000601	4J24G	303527	4J23G	303467	2050	000151	94	139	16L
000601	4J20E	303540	4J04E	303467	2920	000151	93	140	I11H, I12H, I13H, I14H
000601	4J26B	303545	4J25B	303467	2050	000151	96	141	15H, 16H
000601	3J19G	303603	3J18G	022000	2060	000151	46	142	013L, 15H, 16H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
							I7H
000601	4J22E	303663	4J21E	303467	000151	143	I7L, I10L
000601	4J26A	303725	4J24A	303467	000151	144	I10L, 015H
000601	4J24A 4J25B	303737	4J21A 4J24B	303467	000151	145	I6L, 012H I7H, I8H
000601	4J20E	303767	4J04E	303467	000151	146	I8H, I9H, I10H
000601	4J26A	304015	4J24A	303467	000151	147	012L, I6H
000601	4J20E	304145	4J04E	303467	000151	148	I5H, I6H, I7H
000601	4J22E	304241	4J21E	303467	000151	149	I8L
000601	4J22E	304274	4J21E	303467	000151	150	I5L
000601	4J20E	304570	4J04E	303467	000151	151	015L
000601	4J22E	305462	4J21E	303467	000151	152	I12L
000601	4J22C	305467	4J20C	303467	000151	153	I10L
000601	4J27F	305517	4J25F	303467	000151	154	I6L
000601	4J27F	305537	4J25F	303467	000151	155	I9L
000601	4J27F	306047	4J25F	303467	000151	156	I11L
000601	4J14F 4J08B	307202	4J15F 4J07B	507361	000151	157	I5H, I6H I10L

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TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601		307271		547361		000151		158	
	4J15F		4J14F		2000		86		15H, 16H
	4J09B		4J08B		2040		84		110L
000601		307467		303467		000151		159	
	4J23C		4J22C		2920		95		110L
000601		310122		303467		000151		160	
	3J13A		3J11A		2060		27		17L
000601		310164		000007		000151		161	
	4J09E		4J08E		2040		83		15H, 16H
000601		310525		000000		000151		162	
	4J10E		4J09E		2040		83		15H, 16H
000601		313167		303467		000151		163	
	4J25F		4J23F		2920		91		112L
000601		320467		303467		000151		164	
	4J25F		4J23F		2920		91		19L
000601		320714		767027		000151		165	
	4J08C		4J07C		2040		83		16L
000601		323467		303467		000151		166	
	4J24D		4J23D		2050		95		113L
000601		326552		700077		000151		167	
	4J09G		4J08G		2040		82		16L
000601		336470		303467		000151		168	
	4J26C		4J24C		2070		92, 95, 100		013L, 17H
000601		340507		101020		000151		169	
	4J26D		4J25D		2050		95		17H, 18H
000601		343377		303467		000151		170	
	4J23B		4J22B		2050		96		111L, 114L, 010H, 111L*112L, 113L* 114L*115L
	4J24A		4J21A		2070		96		015L, 110H
	4J30E		4J29E		2900		100		19H
000601		354514		460014		000151		171	
	4J28B		4J04B		2900		97		112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J24D	355467 4J23D	303467 2050	000151	95	172	I5L, I8L
000601	4J09D	356337 4J08D	770477 2013	000151	17-26	173	I5H, I6H, 013H* 014H*015H
000601	4J23E	363464 4J22E	303467 2920	000151	93	174	I6L
000601	4J24D 4J23C	363467 4J23D 4J22C	303467 2050 2920	000151	95 95	175	I13H, I14H, I15H I12L
000601	4J27C	367467 4J25C	303467 2920	000151	92	176	I12L
000601	3J03B	370404 3J04B	612332 2920	000151	20	177	I9L
000601	4J23C	373467 4J22C	303467 2920	000151	95	178	I11H, I12H, I13H, I14H
000601	4J27B 4J24A 4J28E	377777 4J26B 4J21A 4J02E	105020 2050 2070 2900	000151	93,96 96 100	179	I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L 011L, 15H 19H
000601	4J24A 4J25B	403274 4J21A 4J24B	303467 2070 2050	000151	96 96	180	013L, 17H I11L, I14L
000601	4J21B	403400 4J20B	303467 2050	000151	96	181	I7H, I8H
000601	4J29A	403400 4J28A	505610 2900	000151	98	182	013H*015L, 013H
000601	4J21A 4J23B	403411 4J04A 4J22B	303467 2070 2050	000151	96 96	183	014L, 19H I6L, I7L
000601	4J26A	403413 4J24A	303467 2070	000151	98,93,96	184	I7L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J21E	403444 4J20E	303467 2920	000151	93	185	I12L
000601	4J24B	403455 4J23B	303467 2050	000151	96	186	I11L, I14L
000601	4J23E	403470 4J22E	303467 2920	000151	93	187	I11H, I12H, I13H, I14H
000601	4J27A	403511 4J23A	303467 2920	000151	93	188	I6L, I9L
000601	4J21E	403551 4J20E	303467 2920	000151	93	189	I5H, I6H, I7H
000601	4J09G	406723 4J08G	020000 2040	000151	82	190	I13H, I14H
000601	4J27D	413462 4J26D	303467 2050	000151	92, 95	191	I5H, I6H
000601	4J24E	420467 4J23E	303467 2920	000151	92	192	I11H, I12H, I13H, I14H
000601	4J23E	433463 4J22E	303467 2920	000151	93	193	I13L
000601	4J25C	433465 4J23C	303467 2920	000151	92	194	I8H, I9H, I10H
000601	4J30F	436432 4J29F	000000 2900	000151	99	195	I9H
000601	4J09C	442422 4J08C	307257 2040	000151	83	196	I6L
000601	4J03E	443071 4J04E	040000 2920	000151	39	197	I12L, I015H, I11L* I12L*I13L, I15L* I16L*I17L, I18L*I19L* I10L
000601	4J22B	443432 4J21B	303467 2050	000151	96	198	I12L, I13L, I010H, I11L*I12L, I13L* I14L*I15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J30E		4J29E		2900		100		I12H
000601	8J14D	446313	8J13D	000000	2050	000151	119	199	I13H, I14H, I15H
000601	4J25C	453471	4J23C	303467	2920	000151	92	200	I9L
000601	4J23C	473467	4J22C	303467	2920	000151	95	201	I6H, I9H, I10H
000601	4J25C	473472	4J23C	303467	2920	000151	92	202	I6L
000601	4J30C	475674	4J29C	057656	2900	000151	97	203	I12L
000601	4J30E	501400	4J29E	505610	2900	000151	98	204	06H*08L, 06H
000601	4J29E	502400	4J28E	505610	2900	000151	97,98	205	013H*015L, 013H
000601	4J29E	503000	4J28E	505610	2900	000151	97,98	206	06H*08L, 06H
000601	4J29C	503065	4J28C	005047	2900	000151	97	207	I12L
000601	4J23D	503310	4J22E	303467	2050	000151	96	208	I5L, I8L, 09H, I5L* I6L, I7L*18L
	4J24A		4J21A		2070		96		014L, I9H
	4J29E		4J28E		2900		100		I12H
000601	4J28C	503335	4J02C	507300	2900	000151	97	209	I12L
000601	3J21D	503400	3J17D	303467	2060	000151	44	210	014L, I8H, I9H, I10H
	3J19A		3J21A		2160		44		I12L
000601	4J28A	503400	4J32A	505610	2900	000151	98	211	I5L, I14L, I5H, I14H, 06H*08L, 013H*015L, 06H,

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J28B		4J04B		2900		97		013H 15L, I14L, 15H, 114H, 06H*08L, 013H*015L, 06H, 013H
	4J30C		4J32C		2900		97		15L, I14L, 15H, 114H, 06H*08L, 013H*015L, 06H, 013H
	4J19D		4J18D		2013		19		17L, 17H, 18H, 19H, 010H*011H*012H
	4J30D		4J29D		2013		20		19L, 17H, 18H, 19H, 010H*011H*012H
	4J28C		4J02C		2900		97		15L, I14L, 15H, 114H, 013H*015L, 013H
	4J29A		4J32A		2900		98		15L, I14L, 15H, 114H, 06H*08L, 06H
	4J29B		4J04B		2900		97, 98		15L, I10L, I11L, I14L, 15H, I14H
	4J29C		4J02C		2900		97		15L, I14L, 15H, 114H, 013H*015L, 013H
	4J30A		4J32A		2900		98		15L, I14L, 15H, 114H, 06H*08L, 06H
	4J30B		4J32B		2900		98		15L, I14L, 15H, 114H, 013H*015L, 013H
	4J13A		4J11A		2920		33		16L, 19L, I12L, 015L, 15H, I6H, 17H, 015H, I11L* I12L*I13L, 15L* I6L*I7L, 18L*I9L* I10L
	4J04A		4J21A		2070		47, 33		012L, 013L, 16H, 17H
	4J26A		4J24A		2070		98, 93, 96		15L, 011L, 15H, 011H
	3J04C		3J02C		2060		20		013L, 15H, 16H, 17H
	4J34G		4J27G		2050		33		111L, I14L, 111H, 112H
	4J17A		4J16A		2000		87		18L, 17H, 18H
	4J17B		4J16B		2000		87		18L, 17H, 18H
	4J17C		4J16C		2000		87		18L, 17H, 18H
	4J17E		4J16E		2000		88		18L, 17H, 18H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J17F		4J16F		2000		88		I8L, I7H, I8H
	4J17G		4J16G		2000		88		I8L, I7H, I8H
	4J18A		4J16A		2000		87		I8L, I7H, I8H
	4J18B		4J16B		2000		87		I8L, I7H, I8H
	4J18C		4J16C		2000		87		I8L, I7H, I8H
	4J18E		4J16E		2000		88		I8L, I7H, I8H
	4J18F		4J16F		2000		88		I8L, I7H, I8H
	4J18G		4J16G		2000		88		I8L, I7H, I8H
	4J19A		4J14B		2000		87		I8L, I7H, I8H
	4J19B		4J14C		2000		87		I8L, I7H, I8H
	4J19C		4J14E		2000		87		I8L, I7H, I8H
	4J19E		4J14F		2000		88		I8L, I7H, I8H
	4J19F		4J14G		2000		88		I8L, I7H, I8H
	4J19G		4J14G		2000		88		I8L, I7H, I8H
	3J04D		3J13D		2070		20, 07, 18		I5L, 011H
	3J18A		3J16A		2060		47		014H, I8L*19L*
	3J03F		3J16F		2030		20		I10L I13L
000601	4J28C	503401	4J02C	505610	2900	000151	97	212	I10L
000601	4J28C	503403	4J02C	505610	2900	000151	97	213	I11L
000601	4J29C	503414	4J28C	505610	2900	000151	97	214	I11L
000601	4J21E	503443	4J20E	303467	2920	000151	93	215	I9L
000601	4J27A	503446	4J23A	303467	2920	000151	93	216	I8H, I9H, I10H
000601	4J30C	503460	4J29C	505610	2900	000151	97	217	I11L
000601	4J27A	503462	4J23A	303467	2920	000151	93	218	I11H, I12H, I13H, I14H
000601	4J27A	503544	4J23A	303467	2920	000151	93	219	I8L
000601	4J28B	503600	4J04B	505610	2900	000151	97	220	I10L
000601		503660		303467		000151		221	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J21E		4J20E			93		015L
000601		503700		505610	000151		222	
	4J28B		4J04B			97		I11L
000601		507400		505610	000151		223	
	4J30B		4J29B			98		I10L
000601		511460		505020	000151		224	
	4J23C		4J22C			95		I5L
000601		520250		501113	000151		225	
	4J10C		4J09C			83		I5H, I6H
	4J16E		4J15E			86		I8L
	4J35D		4J31C			29		I15L
000601		527324		547361	000151		226	
	4J16F		4J15F			86		I5H, I6H
	4J10B		4J09B			84		I10L
000601		532060		025767	000151		227	
	7J07B		7J06B			113		I9L
000601		533467		303467	000151		228	
	4J27C		4J25C			92		I6L
000601		534037		447676	000151		229	
	4J29A		4J28A			98		I9L
000601		543464		303467	000151		230	
	4J23E		4J22E			93		I9L
000601		545041		022000	000151		231	
	3J17F		3J16F			47,48		I12L
000601		546674		547361	000151		232	
	4J25A		4J10A			93		I5H, I6H
000601		547156		547361	000151		233	
	4J25A		4J10A			93		I11H, I12H
000601		547227		547361	000151		234	
	4J25A		4J10A			93		I7H, I8H
000601		547361		547361	000151		235	
	4J15A		4J14A			85		I7H, I8H
	4J09E		4J08E			82		I11H, I12H
	4J14F		4J15F			86		I8L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J14G		4J15G		2000	86		I8L
	4J16G		4J15G		2000	86		I8L
000601	4J25A	547523	4J10A	547361	000151	93	236	I7L
000601	4J25A	547531	4J10A	547361	000151	93	237	I11L
000601	4J25A	547555	4J10A	547361	000151	93	238	I12L
000601	4J25A	547645	4J10A	547361	000151	93	239	I6L
000601	4J25A	547663	4J10A	547361	000151	93	240	I5L
000601	4J25A	550004	4J10A	547361	000151	93	241	I8L
000601	4J25A	550146	4J10A	547361	000151	93	242	I9L, I015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
000601	4J25E	553470	4J13E	303467	000151	91,92	243	I6L, I8L
000601	4J10G	560316	4J09G	511113	000151	82	244	I13H, I14H
000601	4J10G 4J16A	560422	4J09G 4J15A	766136	000151	82 85	245	I5H, I6H I8L
000601	4J27C	561467	4J25C	303467	000151	92	246	I9L
000601	4J20A	563466	4J13A	303467	000151	96	247	I8H, I9H, I10H
000601	4J26B	564173	4J25B	124647	000151	96	248	I010L
000601	4J35C	566416	4J35B	444617	000151	21,29	249	I11H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
000601	566636	000000	000151	250	
4J09C	4J08C	2040	83		15H, 16H
4J15E	4J14E	2000	86		18L
4J35D	4J31C	2030	29		114L
000601	572256	000000	000151	251	
4J30F	4J29F	2900	79		112H
000601	573272	450004	000151	252	
4J30A	4J29A	2900	98		19L
000601	573453	303467	000151	253	
4J27D	4J26D	2050	92, 95		09L
000601	577252	010000	000151	254	
4J28A	4J29A	2900	98		111L
000601	601066	503400	000151	255	
4J29B	4J28B	2900	97, 98		19L
000601	603445	303467	000151	256	
4J21E	4J20E	2920	93		110L
000601	603475	303467	000151	257	
4J25C	4J23C	2920	92		15L
000601	603514	303467	000151	258	
4J21E	4J20E	2920	93		18H, 19H, 110H
000601	603545	040000	000151	259	
4J08G	4J07G	2040	82		113H, 114H
000601	610066	000000	000151	260	
4J28A	4J29A	2900	98		112L
000601	611553	070000	000151	261	
4J30C	4J29C	2900	97		19L
000601	614767	077270	000151	262	
3J03F	3J16F	2030	20		112L
000601	620066	000000	000151	263	
4J28A	4J29A	2900	98		19L
000601	623476	303467	000151	264	
4J25C	4J23C	2920	92		18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	3J06B	625215	3J02B	017760	2060	000151	17	265	I10L
000601	4J35E	626515	4J31E	020424	2030	000151	29	266	I9L
000601	4J10C	630446	4J09C	027072	2040	000151	83	267	I6L
000601	4J25C	633471	4J23C	303467	2920	000151	92	268	I11L
000601	4J04A 4J03A	633547	4J21A 4J31A	611412	2070 2050	000151	47,33 33	269	014L I&L
000601	7J07C 8J18E	633614	7J06C 8J17E	127242	2000 2000	000151	112 116	270	I5H, I6H I5H, I6H
000601	4J29A	640066	4J28A	000000	2900	000151	98	271	I12L
000601	4J22B	640402	4J21B	700402	2050	000151	96	272	I7L
000601	4J22A	643465	4J20A	303467	2920	000151	96	273	I8H, I9H, I10H
000601	4J24E	662466	4J23E	303467	2920	000151	92	274	I13L
000601	4J20B	663457	4J12B	303467	2050	000151	96	275	I7H, I8H
000601	4J09G	670134	4J08G	010000	2040	000151	82	276	I5H, I6H
000601	4J30B	672402	4J29B	010000	2900	000151	93	277	I12L
000601	4J02A 3J04A	673342	3J31F 3J05A	611412	2020 2040	000151	33 20	278	I6L I14L
000601	4J20A	673464	4J13A	303467	2920	000151	96	279	I11L

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TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J15G	700134	4J14G	700134	2000	000151	86	280	18L
000601	3J04F	700402	3J07F	700402	2920	000151	18	281	110L
000601	4J25B	703216	4J24B	303467	2050	000151	96	282	16L, 17L
000601	4J27D	703243	4J26D	101020	2050	000151	92, 95	283	111L, 114L, 010H, 111L*112L, 113L* 114L*115L 011L, 15H
000601	4J23A	703415	4J22A	303467	2920	000151	96	284	18L
000601	4J23A	703462	4J22A	303467	2920	000151	96	285	110L
000601	4J25C	703465	4J23C	303467	2920	000151	92	286	111H, 112H, 113H, 114H
000601	4J24B	703466	4J23B	303467	2050	000151	96	287	112L
000601	4J27D	703467	4J26D	303467	2050	000151	92, 95	288	15L, 17L, 09H, 15L* 16L, 17L*18L
000601	4J23A	703472	4J22A	303467	2920	000151	96	289	111L
000601	4J23A	703474	4J22A	303467	2920	000151	96	290	111H, 112H, 113H, 114H
000601	4J24B	703475	4J23B	303467	2050	000151	96	291	17H, 18H
000601	4J23A	703476	4J22A	303467	2920	000151	96	292	112L
000601	4J22A	703510	4J20A	303467	2920	000151	96	293	15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
000601	4J23A	703511	4J22A	303467	000151	294	I5H, I6H, I7H
				2920	96		
000601	4J26B	703620	4J25B	303467	000151	295	I11H, I12H
				2050	96		
000601	4J24A	704265	4J21A	303467	000151	296	I5L, O11H
	4J26A		4J11C	2070	96		I9L, O14H
	4J27B		4J26B	2050	98, 93, 96		I13H, I14H, I15H
					93, 96		
000601	4J35E	706073	4J31E	035034	000151	297	I13L
				2030	29		
000601	4J27C	706466	4J25C	303467	000151	298	I5H, I6H, I7H
				2920	92		
000601	4J23E	713477	4J22E	303467	000151	299	O15L
				2920	93		
000601	4J24E	715466	4J23E	303467	000151	300	I6L
				2920	92		
000601	4J25C	723452	4J23C	303467	000151	301	O15L
				2920	92		
000601	4J09F	726055	4J08F	006213	000151	302	I5H, I6H
				2040	82		
000601	7J06B	730461	7J07B	015765	000151	303	I9L
				2000	113		
000601	4J25C	733470	4J23C	303467	000151	304	I12L
				2920	92		
000601	4J08E	743120	4J07E	443347	000151	305	I5H, I6H
				2040	83		
000601	4J22A	743467	4J20A	303467	000151	306	I11H, I12H, I13H, I14H
				2920	96		
000601	4J22A	743470	4J20A	303467	000151	307	I10L
				2920	96		
000601	4J23E	743471	4J22E	303467	000151	308	I8H, I9H, I10H
				2920	93		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000601	4J25E	753475	4J13E	303467	2050	000151	91,92	309	15L
000601	7J08D	757167	7J07D	777777	2013	000151	23	310	010L*011L*012L
000601	3J06F	762335	3J13F	770077	2060	000151	17	311	112L,015H,111L* 112L
000601	4J25C	763500	4J23C	303467	2920	000151	92	312	015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
000601	3J06A	770050	3J11A	005077	2060	000151	19,38	313	16L
000601	4J04F	776557	4J11F	020000	2920	000151	39	314	015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
000601	4J28D	777777	4J19D	505610	2013	000151	20	315	18L,010L*011L* 012L
	4J31D		4J04C		2060		20,21		014L,18H,19H, 110H
	3J03F		3J16F		2030		20		011H,112L*113L* 114L
	3J04D		3J13D		2070		20,07,18		011L
000610	7J31B	017400	7J25B	000000	2020	000151	31	316	17L
	7J30C		7J25C		2020		31		16L
000615	6J25A	000000	6J24A	000000	0651	000151	163	318	148H
	4J31E		4J12E		2030		100		010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	4J31F		4J35E		2030		99		15H,16H,17H,18H, 19H,112H,113H, 114H,115H

FOR FURTHER ISOLATION REFER TO PARAGRAPH 8-33.

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J12G		3J10G		2050		29		I&L, 010L, 09H, I13H, I14H, I15H, I5L*I&L, I7L*I&L
	4J35B		4J35C		2220		29		I&L, I7L, I8L, I9L, 014H, I6L*I7L*
	4J13G		4J04G		2050		33		I&L I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	3J11F		3J10F		2050		29		010L, I13H, I14H, I15H
	3J06B		3J02B		2060		17		015L, I11H, I12H
	3J16B		3J08B		2060		48, 27, 36		I&L, 013H, I5L* I6L*I7L
	3J18A		3J16A		2060		47		015L, I11H, I12H
	4J26F		4J24F		2070		91, 94, 100		011L, I5H
	4J34G		4J27G		2050		33		010H, I11L*I12L, I13L*I14L*I15L
	3J23B		3J21B		2060		41		I7L, I9L
	3J12E		3J24E		2900		29		I11L
	4J30G		4J29G		2900		99		I5H
	3J11E		3J08E		2920		29		I&L

000615		000630		000600		000171		319	
	6J34A		6J33A		0651		159		I36H

000616		000000		000000		000151		320	
	3J20A		3J05B		2080		44, 45		I7L

000626		000146		105650		000151		321	
	6J15C		6J13C		0761		137, 175		03L*04L, 03H*04H

000630		000000		000000		000151		322	
	8J35D		8J34D		3780		129		I10L

000666		000146		105050		610602		323	
	6J33A		6J32A		0651		159		I36H

000666		001464		002140		400151		324	
	6J21A		6J22A		0651		165		I40H, I52L
	6J23C		6J21C		0761		135, 138, 175		052H

000666		007060		771000		000151		325	
	4J26E		4J24E		2920		91		I&H, I9H, I10H

000666		000146		105650		000151		326	
	7J12F		7J11F		2000		104		I7L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-14. BOOTSTRAP LOAD FAILURE - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002332	7J23C	707070	7J16C	000000	2070	000151	37,49	327	19L,014H
004374	4J33F	140647	4J32F	010570	2900	000000	103	328	17L
006635	3J136	027400	3J076	000706	2920	000151	35	329	110L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIM	SWAP	AU	AL	PLATE	CE	FAULT
000001		000512		000000	XXXXXX		000151	
	8J06G		8J02G		2070	81		014L, 19H
	3J24F		3J28F		2900	40		15L
000001		006045		600001	XXXXXX		000151	
	4J34E		4J33E		2900	103		15L
000010		001240		027400	XXXXXX		000151	
	3J07D		3J06D		2920	22		111L
000511		000710		027400	XXXXXX		000151	
	4J22D		4J21D		2050	95		17H
000516		000517		027400	XXXXXX		000151	
	4J15C		4J14C		2000	85		115L, 19H, 110H, 013H*014L, 013H
	7J11E		7J10E		2000	104		115L, 17H, 18H, 013H*014L, 013H
	4J23D		4J22D		2050	95		112L, 113L, 010H, 111L*112L, 113L* 114L*115L
	4J33C		4J32C		2900	102		19H, 013H*015L, 013H
	7J18C		7J02C		2030	49, 107		16L, 010H, 15L* 16L*17L*18L*19L
000520		000717		027400	XXXXXX		000151	
	4J22D		4J21D		2050	95		09L
000522		000721		027400	XXXXXX		000151	
	4J22D		4J21D		2050	95		18H
000710		000711		027400	XXXXXX		000151	
	4J06D		4J05D		2013	17, 26		15L, 013L*014L* 015L
	3J05F		3J05E		2040	17		015H, 15L*16L, 17L*18L, 19L* 110L, 111L*112L, 113L*114L
	3J06F		3J13F		2060	17		014L, 18H, 19H, 110H
000710		000716		027400	XXXXXX		000151	
	4J20G		4J13G		2050	94		09L, 15H, 16H
000766		000770		027400	XXXXXX		000151	
	4J08G		4J07G		2040	82		111L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE E-15. PROGRAM EXECUTION, PRE AIMAT CONTRCL - LOOP CONDITION

P	PULIM	AU	AL	CE	FAULT
LUC	SWAP	TYPE	PLATE		
4J19E	4J18B	2000	87		115L,15H,013H* 014L,013H,16H
001000	001017	027400	XXXXXX	000151	
4J24E	4J23G	2050	94		010H
001001	001007	027400	XXXXXX	000151	
6J31A	6J30A	0651	160		148L
6J31E	6J30E	0651	169		154H
6J17C	6J15C	0761	136,137,175		132L
7J07E	7J06E	2000	112		115L,19H,110H, 013H*014L,013H
8J03C	8J07C	2050	112		112L,010H,111L* 112L,113L*114L* 115L
8J06C	8J07C	2050	80		09L,17H,18H
001003	001006	027400	XXXXXX	000151	
4J14A	4J15A	2000	85		19H,110H
4J21F	4J24F	2070	94		014L,19H
4J21G	4J20G	2050	94		15L,18L
4J23G	4J22G	2050	94		16L,17L
4J22F	4J20F	2920	94		18H,19H,110H
001004	001025	027400	XXXXXX	000151	
4J24E	4J23G	2050	94		113L*114L*115L
001016	001037	027400	XXXXXX	000151	
4J24E	4J23G	2050	94		111L*112L
001024	001025	027400	XXXXXX	000151	
4J09F	4J08F	2040	82		015L
4J27E	4J26E	2920	91		114H,113H,112H
4J27F	4J25F	2920	91		18L*19L*110L
					18L,015H,15L
					111L*112L*113L
					15L*16L*11L
					111H
4J25G	4J27G	2050	94		15H,16H
001026	001037	027400	XXXXXX	000151	
4J21G	4J20G	2050	94		010L
001036	001037	027400	XXXXXX	000151	
4J10F	4J09F	2040	82		015L
4J21F	4J11E	2070	94		110L,015H
4J25G	4J27G	2050	94		111H,112H,113H
					010L,114H,115H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

F	LOC	PULIM	SWAP	AU	AL	PLATE	CE	FAULT
	4J24G		4J23G		2050	94		I14L
	4J24F		4J26F		2070	94		I7L
001105		001106		027400	XXXXXX		000151	
	4J23G		4J22G		2050	94		I12L, I13L
001200		001237		027400	XXXXXX		000151	
	4J34B		4J33B		2900	102		I9H, 013H*015L, 013H
001201		001214		027400	XXXXXX		000151	
	4J34B		4J33B		2900	102		I12H, 06H*08L, 06H
001201		001263		027400	XXXXXX		000151	
	6J25A		6J24A		0651	163		I44H
001202		001221		027400	XXXXXX		000151	
	4J15H		4J14B		2000	85		I9H, I10H
	4J25G		4J24G		2050	94		I6L, I7L
001203		001240		027400	XXXXXX		000151	
	4J14B		4J15B		2000	85		I9H, I10H
	4J26F		4J24F		2070	91, 94, 100		014L, I9H
	4J27G		4J26G		2050	91, 94		I12L, I13L
	4J34B		4J33B		2900	102		I14H
001203		001250		027400	XXXXXX		000151	
	3J06B		3J02B		2060	17		I7L
001211		001214		027400	XXXXXX		000151	
	4J21G		4J20G		2050	94		09H, I5L*I6L, I7L* I8L
001213		001250		027400	XXXXXX		000151	
	4J10D		4J11D		2070	84, 101, 82		014L, I9H
001221		001234		027400	XXXXXX		000151	
	7J11F		7J10F		2000	104		I7H, I8H
001221		001254		027400	XXXXXX		000151	
	7J12F		7J11F		2000	104		I7H, I8H
001243		001250		027400	XXXXXX		000151	
	4J07F		4J06F		2040	108		I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

P	PULIM	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
4J10F	4J09F	2040	82		I12L, I13L+I14L
4J29G	4J28G	2900	99		I8L
4J11E	4J13D	2070	82,83		I9H, 013H+015L,
4J07F	4J06F	2040	108		013H
					013L, I7H
					015H
001260	007776	027400	XXXXXX	000151	
4J07G	4J06G	2040	108		I5L, I7L, I9L,
					I11L, I14L, 015H,
					I5L+I6L, I7L+I8L,
					I9L+I10L, I11L*
					I12L, I13L+I14L
4J10G	4J09G	2040	82		I8L
4J30G	4J29G	2900	99		I12H, 06H+08L,
					06H
4J11E	4J13D	2070	82,83		014L, I9H
7J06G	7J07G	2000	111		I7H, I8H
001261	001265	027400	XXXXXX	000151	
3J22C	3J25C	2013	41,42		I7L
001261	007776	027400	XXXXXX	000151	
7J20D	7J19D	2013	37		I7H, I8H, I9H,
					010H+011H+012H
7J30B	7J29B	2060	32		014L, I8H, I9H,
					I10H
7J21A	7J03A	2020	37		I13H, I14H, I15H
7J28A	7J27A	2090	32		I6L, 011H
7J19A	7J18B	2030	37		I14L, 011H, I12L+
					I13L+I14L
7J33C	7J18A	2040	31		I10L
001262	001375	424242	XXXXXX	000151	
4J10D	4J11D	2070	84, 101, 82		015L, I10H
4J08G	4J07G	2040	82		I12L
001265	001375	424242	XXXXXX	000151	
4J10G	4J09G	2040	82		I12L
001265	001540	070707	XXXXXX	000151	
4J09G	4J08G	2040	82		I12L
001266	001375	424242	XXXXXX	000151	
4J32B	4J30B	2900	102		I5H
001270	001675	000000	XXXXXX	000151	
4J10F	4J09F	2040	82		I12L

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TABLE 2-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

P	PULIM	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
001543	001675	750377	XXXXXX	000151	
3J24B	3J23B	2060	41,15		I11L
001713	001747	000000	XXXXXX	000151	
7J05C	7J04C	2020	28		I14L
001713	001747	000000	XXXXXX	025311	
3J18D	3J16D	2070	47		014H
002306	004624	027400	XXXXXX	000151	
3J18G	3J19G	2060	46		015H
002377	002426	707070	XXXXXX	000151	
8J12D	8J09D	2013	27		I5L
8J11A	8J07A	2050	118		I7L
002422	047775	707070	XXXXXX	000151	
6J37E	6J36E	0651	166A		I44L, I47L, I48L
6J37A	6J36A	0651	157A		I54H
002422	107775	707070	XXXXXX	000151	
5J37A	5J36A	0651	157A		I53H, I44L, I47L, I48L
5J13C	5J15C	0761	137, 175		I31L, I32L, 045L
8J03A	8J06A	2050	111		I13L
002424	047775	707070	XXXXXX	000151	
8J12D	8J09D	2013	27		013L*014L*015L
002424	107775	707070	XXXXXX	000151	
8J11A	8J07A	2050	118		I6L, 09H, I5L*I6L, I7L*I8L
8J13A	8J03B	2050	118		I7H, I8H
002457	002460	XXXXXX	XXXXXX	000151	
7J32C	7J31C	2020	31		I13L, I13L*I14L* I15L, 011H
7J31D	7J27D	2013	31		013L*014L*015L
003104	003125	XXXXXX	XXXXXX	000151	
7J21D	7J24D	2013	37		I7H, I8H, I9H, 010H*011H*012H
7J20D	7J19D	2013	37		I8L, 010L*011L* 012L
7J19A	7J19B	2030	37		011L, I12H, I13H, I14H, I15H
3J26D	3J23D	2060	16		015H, I11L*I12L

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TABLE 8-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIM	SWAP	AU	AL	PLATE	CE	FAULT
	8J06G		8J02G		2070	81		012H,015H
005014		005021		000013	XXXXXX		000151	
	8J06B		8J02B		2070	79,80		16L,012H
	3J24F		3J28F		2900	40		19H
005254		005261		XXXXXX	XXXXXX		000151	
	8J07G		8J03G		2050	81		111L*112L,010H 113L*114L*115L
005263		005270		XXXXXX	XXXXXX		000151	
	8J07G		8J03G		2050	81		111L*112L,010L 113L*114L*115L
005272		005277		XXXXXX	XXXXXX		000151	
	8J07G		8J03G		2050	81		111L*112L,010L 113L*114L*115L
006001		006003		000000	XXXXXX		000151	
	4J23C		4J22C		2920	95		18H,19H,110H
006103		006105		070707	XXXXXX		000151	
	3J24D		3J12D		2900	40		15H
006456		006457		707070	XXXXXX		000151	
	6J27E		6J26E		0651	171		136H,140H,141H, 142H,144H,145H, 147H,148H,136L, 151L,152L,154L
	5J27A		5J26A		0651	162		140H,144H,145H, 147H,136L,151L, 152L,154L
	6J27A		6J26A		0651	162		140L,142L
	5J19C		5J17C		0761	135,136,175,138		128H,052H,125H* 128H
	8J03E		8J02E		2050	112		113H,114H,115H
006615		106615		027400	XXXXXX		000151	
	3J30B		3J28B		2900	13		06H
006615		126617		027400	XXXXXX		000151	
	3J30B		3J28B		2900	13		06H*08L
006635		126635		027400	XXXXXX		000151	
	3J29C		3J25C		2013	13		15H
006635		146635		027400	XXXXXX		000151	
	3J27A		3J16A		2060	13,25,33		16L

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TABLE 8-15. PROGRAM EXECUTION, PRE-AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIM	SWAP	AU	TYPE	AL	PLATE	CE	FAULT
006637	3J29C	026637	3J25C	027400	2013	XXXXXX	13	000151	013H*014H*015H
006637	3J29C 3J29D	106637	3J25C 3J27D	027400	2013	XXXXXX	13 12,13	000151	16H 17H
006721	4J26C	006722	4J24C	027400	2070	XXXXXX	92,95,100	000151	015H, I10L
006777	4J15E 4J24C 4J25D 4J26D 4J34E 7J11C	007066	4J14E 4J21C 4J24D 4J27D 4J33E 7J10C	027400	2000 2070 2050 2050 2900 2000	XXXXXX	86 95 95 95 103 105	000151	110L 16L,012H 17H,18H 111H,112H 112L 16L
011172	4J19E	011245	4J18E	000000	2000	XXXXXX	38	000151	17L
011235	4J16F	011244	4J15F	027400	2000	XXXXXX	86	000151	15L
016126	6J25A	016127	6J24A	707070	0651	XXXXXX	163	000151	140L
022413	7J31D 7J32C 7J05B 7J33B 7J29B	022430	7J27D 7J31C 7J03B 7J16G 7J19B	040000	2013 2020 2070 2080 2060	XXXXXX	31 31 28,31,35 31,32 32	000151	17H,18H,19H, 010H*011H*012H 15H,16H,17H, 011H*012L 014L,19H 112L,09H,110L* 111L*112L*113L* 114L*115L 014H,18L*19L* 110L
022463	3J30F	022500	3J29F	040000	2030	XXXXXX	14,03	000151	115L
025336	3J18D	025351	3J16D	000000	2070	XXXXXX	47	025311	19L
026637	3J29D	106637	3J27D	027400	2013	XXXXXX	12,13	000151	010H*011H*012H

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TABLE 8-15. PROGRAM EXECUTION, PRE AIMAT CONTROL - LOOP CONDITION

P	PULIM LOC	SWAP	AU	AL TYPE	CE PLATE	FAULT
046330	046331 8J15A	707070 8J14A	XXXXXX 2000	000151 114	013H	
102424	107775 5J23C	100000 5J21C	XXXXXX 0761	000151 135,138,175	053H	
106635	166635 3J27A	027400 3J18A	XXXXXX 2060	000151 13,25,33	I5L*I6L*I7L	
106637	146635 3J29D	027400 3J27D	XXXXXX 2013	000151 12,13	I9H	
106637	146637 3J29D	027400 3J27D	XXXXXX 2013	000151 12,13	I8H	
126635	106635 3J30E	027400 3J28E	XXXXXX 2900	000151 13	I12L	
144635	104635 3J27A	027400 3J18A	XXXXXX 2060	000151 13,25,33	I5L	
166615	106637 3J30B	027400 3J28B	XXXXXX 2900	000151 13	I12H	

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000000	3J10D	000000	3J19D	000000	2013	000151	07	1	17L,010L*011L*012L
000000	3J34E	027400	3J33E	000000	2013	000151	04	2	010L*C11L*012L
000000	4J04D	027400	4J03D	000706	2013	000151	05	3	15L,17H,18H,19H, 013L*014L*015L, 010H*C11H*012H
	4J32D		4J30D		2013		19,21		15H,16H,013H* 014H*015H
	4J33D		4J34D		2013		19,21		15H,16H,013H* 014H*015H
	4J16D		4J17D		2013		18		18L,010L*011L* 012L
	3J03G		3J06G		2040		18		015H,15L*16L, 17L*18L,19L* 110L,111L*112L, 113L*114L
	3J34E		3J33E		2013		04		19L
	4J15D		4J14D		2013		18		18L
000000	3J20C	027400	3J19C	000706	2060	000151	45	4	15L*16L*17L,18L* 19L*110L
	3J20B		3J27B		2070		46,45,44		16L
	3J19F		3J18F		2060		46		013L
	3J20A		3J05B		2080		44,45		05H
000000	3J02B	027400	3J06B	000706	2060	000151	21,18	5	013L,15H,16H, 17H,013H
	4J35C		4J35B		2220		21,29		16L,17L,18L,19L, 014H,16L*17L* 18L
	3J02G		3J10G		2050		18		111L,17H,010H, 111L*112L,113L* 114L*115L
	3J05G		3J15G		2060		17,18		013L,15H,16H, 17H
	4J31D		4J04C		2060		20,21		112L,112H,015H, 111L*112L
	3J02C		3J04C		2060		30,15,21		111L,015H,111L* 112L
	3J20C		3J19C		2060		45		112H,013H,014H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	FLATE	SYMPTOM	FAULT
	4J12A		4J13B		2060		101,21		I11L,015H,I11L* I12L
	3J03C		3J06C		2070		07,11,21,18		15L,011H
	3J19E		3J16E		2060		45		19H,I10H
000000		027400		001240		000151		6	
	3J18A		3J16A		2060		47		013L,15H,16H, 17H
	3J21A		3J19A		2160		44		19L
000000		027400		764362		000151		7	
	3J17C		3J09C		2060		48		014H,I8L*I9L* I10L
000000		707070		342414		000151		8	
	8J14A		8J15A		2000		114		I9L*I10L
000000		764362		000000		347775		9	
	3J03G		3J06G		2040		18		17L
000001		000000		000000		000151		10	
	7J21E		7J05E		2020		36		I13H,I14H,I15H
	7J21F		7J20F		2020		36		I13H,I14H,I15H
000001		000000		004222		000706		11	
	3J23A		3J03E		2030		41		010L
000001		027400		000000		000151		12	
	3J22D		3J20D		2013		41,42		18L
000001		027400		000706		000151		13	
	4J15D		4J16D		2013		18		17H,18H,19H, 010H*011H*012H
	3J05E		3J09D		2040		17		I9L,015H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
	4J08D		4J07D		2013		17,26		I5L,013L*014L* 015L
	3J08G		3J30F		2030		18,24		011L,I12H,I13H, I14H,I15H
	3J25E		3J23E		2013		16		010L*011L*012L
	4J14D		4J09D		2013		18		18L
	3J03G		3J06G		2040		18		I11L
000001		027400		000706		000151		15	
	6J25B		6J27B		0400		139		I19H
	3J05G		3J15G		2060		17,18		I5L,013H,014H,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
						I5L*I6L*I7L,I8L* I9L*I10L 015H,I11L*I12L
	3J06B	3J02B	2060	17		
	3J02C	3J04C	2060	30,15,21		I12L
	4J23D	4J22D	2050	95		09H
	4J21D	4J20D	2050	95		09H
000001	027400	001240	000151	16		
	3J18A	3J16A	2060	47		I12L
	7J10G	7J08G	2000	104		I6L
	3J22D	3J20D	2013	41,42		I5L
000001	027400	003600	000151	17		
	6J22A	6J21A	0651	165		I36H,I44H
	8J07G	8J03G	2050	81		I14L
000001	027400	465014	000151	18		
	6J34B	6J32B	0400	140,142		I41H
000001	027400	764362	000151	19		
	6J23A	6J22A	0651	164		I41H,I44H
	3J20B	3J27B	2070	46,45,44		011L,15H
	8J07F	8J06F	2050	81		I8L
000002	000001	000005	000151	20		
	3J23C	3J21C	2060	41,44		I10L
000002	027400	000000	000151	21		
	4J34D	4J33D	2013	19,21		I6H
000002	027400	000000	000151	22		
	3J03C	3J06C	2070	07,11,21,18		012H
000003	000001	000005	000151	23		
	3J19B	3J18B	2050	47,46		I11L
000003	027400	000000	000151	25		
	3J03C	3J06C	2070	07,11,21,18		I6L
	4J34D	4J33D	2013	19,21		I5H
000003	027400	000706	000151	26		
	6J34B	6J32B	0400	140,142		I39H
000004	005700	000706	000151	27		
	6J29A	6J28A	0651	161		I36H,I48L
	6J29E	6J28E	0651	170		I54H
	6J19C	6J17C	0761	135,136,138,175		I30L
	7J06C	7J07C	2000	112		I15L,I9H,I10H,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J04E		8J03E		2050		112		013H*014L,013H I12L,010H,I11L* I12L,I13L*I14L* I15L
	8J07C		8J06C		2050		80		09L,I7H,I8H
000004	027400		000706		000151		28		
	4J16E		4J15E		2000		86		I15L,I5H,I6H, 013H*014L,013H
	4J19E		4J18E		2000		88		I15L,I5H,I6H, 013H*014L,013H
	4J10C		4J09C		2040		83		I9L,I10L
	7J08D		7J07D		2013		23		I5H,I6H,013H* 014H*015H
	4J25D		4J26D		2050		95		I12L,I13L,010H, I11L*I12L,I13L* I14L*I15L
	4J32E		4J30E		2900		103		I9H,013H*015L, 013H
	4J24E		4J23E		2920		92		I5L,I8L,I11L, 015H,I11L*I12L* I13L,I5L*I16L* I7L,I8L*I9L* I10L
	4J21D		4J20D		2050		95		I13H,I14H,I15H
	4J24D		4J23D		2050		95		09L,I7H,I8H
	3J05G		3J15G		2060		17,18		015H,I11L*I12L
	3J07B		3J06B		2060		23,19		013H,I5L*I16L* I7L
000005	027400		000706		000151		30		
	4J21C		4J11C		2070		95		015L,I10H
	4J22B		4J24B		2050		96		09H
000005	764363		000003		000151		31		
	6J38A		6J37A		0651		157		I44H
	8J06A		8J03A		2050		79		I14L,010H,I11L* I12L,I13L*I14L* I15L
	4J10G		4J09G		2040		82		015L,I9H,I10H
000010	027400		000706		000151		32		
	4J18D		4J17D		2013		19		013L*014L*015L
000011	341074		341074		000151		33		
	4J21G		4J20G		2050		94		I11H,I12H
	4J16B		4J15B		2000		85		I10L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000011	4J16B	341130	4J15B	341130	2000	000151	85	34	I5L,I7L,I11L, I15H,C13L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
000012	4J20D	027400	4J21D	000706	2050	000151	95	35	I5L,I8L,09H,I5L* I6L,I7L*I8L
000021	4J20D	027400	4J26D	000706	2050	000151	95	35A	09H
000021	3J22C	027400	3J25C	774702	2013	000151	41,42	36	010L*011L*012L
000041	3J07G	000016	3J13G	140570	2920	000151	36	37	015H,I5L*I6L* I7L,I8L*I9L* I10L
000073	4J21G	000776	4J20G	000706	2050	000151	94	38	I12L,I13L
000102	4J03D	027400	4J02D	000706	2013	000151	05	39	I7L,010L*011L* 012L
000112	4J20D	027400	4J21D	000706	2050	000151	95	40	I11L,I14L,I11L* I12L,I13L*I14L* I15L
000114	8J02G	027400	8J06G	000006	2070	000151	21,81,121,107	41	I7H
000117	4J21C	027400	4J11C	000400	2070	000151	95	42	013L,I7H
000150	8J07G	027400	8J03G	000006	2050	000151	81	43	I5L*I6L
000164	8J02G 3J24E	027400	8J06G 3J12E	000006	2070 2900	000151	21,81,121,107 40	44	013L I5L
000201		177777		001513		000151		45	

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J18C		4J17C		2000		87		111L
000242	3J08E	027400	3J11E	000706	2920	000151	22	45A	015H
000311	4J32E	027400	4J30E	000706	2900	000151	103	46	06H*08L,06H
000312	3J246	027400	3J28F	000000	2900	000151	40	48	111L
000312	4J21C	027400	4J11C	000706	2070	000151	95	49	15L,C14L,I9H, 011H
	4J21D		4J20D		2050		95		15L,I8L,I5L*I6L, 17L*I8L
	4J23D		4J22D		2050		95		09H,I5L*I6L,I7L* I8L
	4J32E		4J30E		2900		103		I12H
	4J14C		4J15C		2000		85		I15L,013H*014L, 013H
	3J33D		3J11D		2020		04		I8L
000337	8J076	027400	8J036	000006	2050	000151	81	50	17L*I8L
000357	8J076	027400	8J036	000006	2050	000151	81	51	09H
000364	4J26C	027400	4J24C	000000	2070	000151	92,95,100	52	014L,I9H
	4J14E		4J15E		2000		86		19H,I10H
	4J27D		4J26D		2050		92,95		I12L,I13L
000364	4J34E	027400	4J33E	347775	2900	000151	103	53	19H,013H*015L, 013H
000402	4J20D	027400	4J26D	000706	2050	000151	95	53A	010H
000404	4J08E	027400	4J07E	000706	2040	000151	83	54	15L,I9L,I13L, 015H,I5L*I6L, 17L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
	4J17C		4J16C		2000		87		I15L,I5H,I6H,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
013H*014L,013H									
000407		027400		000706		000151		55	
	4J08E		4J07E		2040		83		I11L
000516		027400		000000		000151		56	
	4J05B		4J06B		2040		110		I5L,I9L,I11L, 015H,I7L*I8L, I11L*I12L,I13L* I14L
	4J14F		4J15F		2000		86		I5H
	4J08B		4J07B		2040		84		I8L
	4J10D		4J11D		2070		84,101,82		012L,I6H
	4J29E		4J28E		2900		100		06H*08L,06H
	7J08B		7J07B		2000		113		I6H
	4J21B		4J20B		2050		96		I7H
	8J06F		8J04F		2050		81		I6L
000516		777441		340521		000151		58	
	6J23C		6J21C		0761		135,138,175		I27L,I30L
	7J06A		7J07A		2000		113		I9H
	8J03F		8J04F		2050		113		I12L
	8J07F		8J06F		2050		81		I7H
000517		027400		000000		000151		59	
	4J05B		4J06B		2040		110		I7L,I14L,I5L* I6L,I9L*I10L
	4J14F		4J15F		2000		86		I6H
	3J06G		3J03G		2040		17		I12L
	4J08B		4J07B		2040		84		I10L
	4J29E		4J28E		2900		100		I12H
	7J08B		7J07B		2000		113		I7H
	4J21B		4J20B		2050		96		I8H
000517		777441		340521		000151		61	
	6J23A		6J22A		0651		164		I48L
	6J23E		6J22E		0651		173		I54H
	8J03F		8J04F		2050		113		010H,I11L*I12L, I13L*I14L*I15L
	7J06A		7J07A		2000		113		I10H
	8J07F		8J06F		2050		81		I6H
000622		027400		000000		000151		62	
	4J08E		4J07E		2040		83		I7L
000625		027400		500606		000151		63	
	6J27E		6J26E		0651		171		I54H
	8J03E		8J02E		2050		112		I12L,010H,I11L*

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J08C		7J07C		2000		112		I12L, I13L* I14L* I15L I15L, I9H, 013H* 014L
000626		027400		500606		000151		64	
	6J27A		6J26A		0651		162		I48L
	6J19C		6J17C		0761		135, 136, 138, 175		I28L
	8J07E		8J04E		2050		80		09L, I7H, I8H
	7J08C		7J07C		2000		112		I10H, 013H
000627		027400		020000		000151		65	
	8J06F		8J04F		2050		81		I5L* I6L
000631		027400		020706		000151		66	
	8J06F		8J04F		2050		81		09H
000636		027400		020706		000151		67	
	8J06F		8J04F		2050		81		I7L* I8L
000702		027400		000706		000151		68	
	4J16B		4J15B		2000		85		I15L, 013H* 014L, 013H
	4J32B		4J30B		2900		102		I9H, 013H* 015L, 013H
	4J25G		4J24G		2050		94		I11L, 010H, I11L* I12L, I13L* I14L* I15L
	4J21F		4J26F		2070		94		015L, I10H
	4J24F		4J26F		2070		94		013L, I7H
000704		027400		000706		000151		70	
	4J26E		4J24E		2920		91		I5L, I8L, I11L, 015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
	4J20C		4J22C		2920		95		I5L, 015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
	4J25E		4J13E		2050		91, 92		010L, I11H, I12H
000705		027400		000706		000151		71	
	4J10E		4J09E		2040		83		I5L, I9L, I13L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
	4J19C	4J18C	2000	87	I13L*I14L I15L, I5H, I6H, 013H*C14L, 013H
000706	027400	000706	000151	72	
	3J23D	3J21D	2060	40	I9L, 014H, I8L* I9L*I10L
	3J24C	3J12C	2070	44, 41, 40, 14	014L, I9H
000706	027400	776073	000151	73	
	4J16A	4J15A	2000	85	I5L
000710	027400	000706	000151	74	
	3J18G	3J17G	2060	08, 46,	I5L*I6L*I7L
	3J26E	3J21E	2060	15, 16	I7L
	3J25B	3J26B	2013	15	013, 014, 015H
000711	027400	000706	000151	76	
FOR FURTHER ISOLATION REFER TO TABLE 8-48.					
	6J27C	5J27C	0280	135	I3H, I11H, I12H, I15H, I22H, I35H, I41H, I45H, I51H, I52H, I5L, 013L, I17L, 018L, 020L, I22L, 026L, 030L, I31L, I35L, 036L, I38L, I45L, 046L, I48L, I51L, I52L, 023H, 054H, 053H, 018H, 036H, 046H, 06L, 054L, 053L I30H, I34H, I36H, I39H, I43H, I51H, I39L, I51L, 045H* 048H, 047H*053H, 027L*028L, 045L* 048L, 047L*053L, I41L, I42L, I52L, I54L I35H, I27L, I29L, I30L, I39L, I41L, I42L 026H, 046H, 010L, 018L, 026L, I34L, 046L I44H, I46H, I52H, I46L, I52L I44H, I48H, I52H,
	6J29C	6J31C	0040	136	
	6J27B	6J31B	0400	139, 142	
	6J21C	5J23C	0761	135, 136, 138, 175	
	6J23B	6J23D	0421	140	
	6J36B	6J23D	0421	143	

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
						I48L,I52L
	6J23C	5J23C	0761	135,138,175		046H,010L,018L, I51L,I54L
	6J29B	6J31B	0400	143		127H,I41H,I25L, I26L
	6J13C	5J23C	0761	137,175		154H,010L,018L, 046L
	6J15C	5J23C	0761	137,175		154H,010L,046L, 03H*04H
	6J19C	5J23C	0761	135,136,138,175		046H,010L,046L, I54L
	6J33C	6J35C	0900	136,135,145		I51H,I53H,039H* 040H,041H*042H
	6J34B	6J25D	0400	140,142		I33L,I35L,I36L
	6J17C	5J23C	0761	136,137,175		012H,026L,03L* 04L
	6J19B	6J38B	0431	142		154H,I47L,I48L, I52L
	6J21B	6J38B	0431	139		154H,I47L,I48L, I52L
	6J25B	6J31B	0400	139		I17H,I42H
	6J32B	6J31B	0400	140		I29H
	6J40B	6J38B	0431	142		I48H
	7J08D	7J07D	2013	23		I7H,18H,I9H, 010H*011H*012H
	7J11D	7J10D	2013	22		I7H,18H,I9H, 010H*011H*012H
	6J07D	8J03D	2013	107		I7H,18H,I9H, 010H*011H*012H
	3J23D	3J21D	2060	40		I6L,014L,015L, I8H,I9H,I10H, I11H,I12H
	3J24B	3J23B	2060	41,15		I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
	7J04D	7J03D	2013	23,106		I7H,18H,I9H
	3J14A	3J12A	2070	08,27,107		012L,015L,I6H, I10H
	3J24C	3J12C	2070	44,41,40,14		I7L,I9L,013H, 014H
	7J03C	7J16C	2070	22,23		I5L,I9L,011H, 014H
	7J02C	7J18C	2030	23,30		010L,I5H,I6H, I7H,18H,I9H
	7J06D	7J07D	2013	23		I6L,013L*014L* 015L
	8J11E	8J11E	2060	107,120		013L,I5H,I6H, I7H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
7J09A	7J13A	2050	107		010L, I13H, I14H, I15H
3J09A	3J07A	2920	23		I9L, I11L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L*I9L*I10L
3J16G	3J14G	2070	09, 35, 9, 48		I9L, 014H
3J27B	3J20B	2070	14, 15		I9L, 014H
7J31E	7J29E	2070	07		I9L, 014H
8J02G	8J06G	2070	21, P1, 121, 107		I9L, 014H
8J12F	8J06E	2070	107, 119, 120		I5L, 011H
7J15E	7J04E	2060	51, 107		014H, I8L*I9L*I10L
7J12E	7J11E	2000	105		I7H, I8H
7J31F	7J26F	2020	134		I13L*I14L*I15L, 011H
3J15B	3J14B	2930	08, 09		I12L
3J15E	3J14E	2930	08, 09		I12L
7J10A	7J08A	2000	105		I6L
7J11A	7J20A	2000	105		I6L
3J08B	3J24B	2060	23		013H
3J07A	3J02A	2920	23		015H
3J07D	3J06D	2920	22		015H
3J23F	3J15F	2013	40		013, 014, 015H
3J08D	3J05D	2060	22		015H
3J08D	3J17D	2060	22		013H
3J23E	3J22E	2013	40, 43		I7H, I8H, I9H, 010H*011H*012H
3J15F	3J23F	2013	08, 09		I5H, I6H, 013H*014H*015H
3J26A	3J25A	2013	14		I6L, 010L*011L*012L
3J24A	3J22A	2013	15		I9L

000712	000000	000706	000151	77	
6J32B	6J31B	0400	140		I36H
6J15C	6J13C	0761	137, 175		019L*010H*012H

000712	027400	000706	000151	79	
FOR FURTHER ISOLATION REFER TO TABLE 8-48.					
6J27B	6J25B	0400	139, 142		I25L, I26L
6J15C	6J13C	0761	137, 175		018H, 06L*018H*024H
6J19C	6J17C	0761	135, 136, 138, 175		018H
6J38B	6J21B	0431	139		I48H
7J12D	7J11D	2013	22		I6L, 013L*014L*015L
4J24B	4J23B	2050	96		010H, I11L*I12L,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
	4J22A	4J20A	2920	96		I13L*I14L*I15L 015L,I5H,I6H, I7H
	7J10F	7J08F	2000	104		I7H,I8H
	3J08D	3J05D	2060	22		15L
	7J31F	7J26F	2020	134		114L
	4J22C	4J20C	2920	95		015L
	3J08C	3J22B	2080	22		09H
	3J23F	3J15F	2013	40		I7H,I8H,I9H, 010H*011H*012H
	4J19G	4J18G	2000	88		15L,I11L,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	4J19B	4J18B	2000	87		15L,I5L*I6L
	4J17F	4J16F	2000	88		15L
000714	027400	000010	000151	80		
	4J19E	4J18E	2000	88		15L
	7J10C	7J08C	2000	105		15L,I8L
000714	027400	005056	000151	81		
	4J19F	4J18F	2000	88		15L
000715	027400	000007	000151	83		
	7J02A	7J12B	2160	22		I7L
000715	027400	000706	000151	84		
	3J02G	3J10G	2050	18		I7L,09H,I5L*I6L, I7L*I8L
000716	027400	000716	000151	85		
	7J23E	7J17E	2060	35,49,54		015L,I11H,I12H
	3J02G	3J10G	2050	18		09H
000716	505640	505640	000151	86		
	6J13C	6J15C	0761	137,175		018H
000717	027400	001515	000151	87		
	4J07D	4J06D	2013	17,26		15L,013L*014L* 015L
	3J06C	3J03C	2070	17,38,19		011L,I5H
	3J06B	3J02B	2060	17		013H,I5L*I6L* I7L
000722	027400	340774	000151	89		
	4J18B	4J17B	2000	87		15L,I5L*I6L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
000725	4J23F	027400 4J22F	340777 2920	000151 94	90	015L
000731	7J11D 7J03C	027400 7J10D 7J16C	000000 2013 2070	000151 22 22,23	91	18L,010L*011L* 012L 014L;19H
000731	6J27B	505640 6J25B	505640 0400	000151 139,142	92	125H
000733	6J13C 7J12G	027400 6J15C 7J11G	344707 0761 2000	000151 137,175 104	93	03H*04H 18L
000735	7J11G	027400 7J10G	340751 2000	000151 104	94	18L
000737	6J30A 7J10C 4J26G	027400 6J29A 7J08C 4J25G	000000 0651 2000 2050	000151 161 105 94	98	136H 19L 010L
000737	8J06C 8J03E	027400 8J03C 8J02E	000100 2050 2050	000151 80 112	99	114L,010H,111L* 112L,113L*114L* 115L 010H
000737	4J21G	027400 4J20G	254520 2050	000151 94	100	09L
000737	4J21F 4J24F 4J21G 4J23G 4J14A	027400 4J26F 4J26F 4J20G 4J22G 4J15A	340745 2070 2070 2050 2050 2000	000151 94 94 94 94 85	101	19L,014H 19L,014H 15H,16H 17H,18H 15L,17L,110L, 111L,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
000737	6J13C 7J10G	027400 6J15C 7J08G	340751 0761 2000	000151 137,175 104	102	06L*018H*024H 115L,013H*014L, 013H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
000737	027400	340753	000151	103	
4J23G	4J22G	2050	94		010L
000737	027400	344707	000151	104	
FOR FURTHER ISOLATION REFER TO TABLE 8-48.					
6J31A	6J32A	0651	160		I36H, I44H
6J30A	6J29A	0651	161		I44H
6J27B	6J25B	0400	139, 142		I27H
8J06C	8J03C	2050	80		I8L, 09H, I5L* I6L, I7L* I8L
8J07C	8J11C	2050	80		I14L, 010H, I11L* I12L, I13L* I14L* I15L
4J24F	4J21F	2070	94		I6L, 012H
7J10G	7J08G	2000	104		I7H, 18H
4J25G	4J24G	2050	94		I7H, 18H
4J26G	4J27G	2050	94		I11H, I12H
4J34E	4J33E	2900	102		I12L
4J23G	4J22G	2050	94		09L
3J22G	3J25G	2013	42		I7H, I8H, I9H, 010H* 011H* 012H
3J25C	3J22C	2013	43, 15		I5H, I6H, 013H* 014H* 015H
4J15B	4J14B	2000	85		I10L
000737	027400	344727	000151	105	
4J25G	4J24G	2050	94		09L
4J15B	4J14B	2000	85		I5L, I7L, I11L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
000737	301360	654361	000151	106	
8J07E	8J04E	2050	79		I8L, 09H, I5L* I6L, I7L* I8L
000740	027400	344707	000151	107	
4J16A	4J15A	2000	85		I7L, I10L, I11L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H
4J19A	4J18A	2000	87		I11L, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, 014H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
000743	027400	546343	000151	108	
4J08F	4J07F	2040	82		17L
000745	027400	340771	000151	109	
4J17A	4J16A	2000	87		15L
000746	027400	000001	000151	110	
4J24G	4J23G	2050	94		010L
000750	027400	000001	000151	111	
4J21F	4J24F	2070	94		17L,013H
000750	027400	254514	000151	112	
4J21G	4J20G	2050	94		010H
000750	027400	340762	000151	113	
4J22F	4J20F	2920	94		015L
000750	027400	340764	000151	114	
4J20G	4J13G	2050	94		010L
000750	027400	340766	000151	115	
4J21F	4J26F	2070	94		I6L,012H
4J24F	4J26F	2070	94		I10L,015H
4J22G	4J21G	2050	94		09L,I5H,I6H
4J23G	4J24G	2050	94		I13H,I14H,I15H
4J20G	4J13G	2050	94		I11H,I12H
4J15A	4J14A	2000	85		I10L
000750	027400	340773	000151	116	
4J15A	4J14A	2000	85		I5L,I7L,I11L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
000750	027400	722342	000151	117	
4J08F	4J07F	2040	82		I5L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
000750	027400	777737	000151	118	
4J17B	4J16B	2000	87		I15L,I5H,013H* 014L,013H
4J08F	4J07F	2040	82		I9L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000751	7J10G	274000	7J08G	000001	2000	000151	104	120	17L
000756	3J08D	027400	3J05D	564737	2060	000151	22	120A	014H
000764	4J08F	027400	4J07F	340777	2040	000151	82	121	111L
000765	4J26G 8J07G	027400	4J25G 8J03G	000000	2050 2050	000151	94 81	122	09L 18L
000765	4J18B 4J18B 4J09F	027400	4J17B 4J17B 4J08F	000706	2000 2000 2040	000151	87 87 82	123	16H 115L,15H,013H* 014L,013H 17L,111L
000765	4J27E 4J10F	027400	4J26E	340735	2920 2040	000151	91 82	124	015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L 15L,113L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
000765	4J14B	027400	4J15B	340777	2000	000151	85	125	15L,17L,111L, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
000765	3J14A 3J08A	027400	3J12A 3J10A	777777	2070 2050	000151	08,27,107 23	128	17L,013H 010H
000766	8J07F	002240	8J06F	013342	2050	000151	81	129	09L
000766	4J08G	027400	4J07G	777773	2040	000151	82	130	15L,113L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LUC	SWAP	TYPE	PLATE		
000767	027400	000706	000151	131	
3J30F	3J29F	2030	14,03		I7H
000777	027400	000000	000151	132	
3J19E	3J16E	2060	45		013H
4J21G	4J20G	2050	94		I14L
000777	027400	000706	000151	133	
7J12C	7J11C	2000	105		I8L, I9L
000777	027400	140700	000151	134	
4J15D	4J14D	2013	18		I7L
001000	004603	000000	000151	135	
3J22F	3J08F	2070	41		013L, I7H
3J23B	3J21B	2060	41		014H, I8L* I9L*
					I10L
3J21E	3J19E	2060	44		I11L
001000	027400	000000	000151	140	
FOR FURTHER ISOLATION REFER TO TABLE 8-48.					
8J06B	8J02B	2070	79,80		012L, 013L, 014L, I6H, I7H, I9H
7J32A	7J31A	2020	31		I6L, I13H, I14H, I15H, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
7J33C	7J18A	2040	31		I12L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
7J26D	7J25D	2013	07,14		I5L, 013L* 014L* 015L
3J18C	3J17C	2060	47		014L, I8H, I9H, I10H
7J23A	7J22A	2060	30,31		015L, I11H, I12H
7J30B	7J29B	2060	32		015L, I11H, I12H
3J17A	3J14A	2070	47,48		I5L, 011H
8J06E	8J25B	2070	80,81		I9L, 014H
3J24G	3J28F	2900	40		I9L, I12L
7J29A	7J28A	2090	32		I5L, 010H
4J23F	4J22F	2920	94		I5H, I6H, I7H
3J24E	3J12E	2900	40		I12H
3J24F	3J28F	2900	40		I9L
3J23B	3J21B	2060	41		I8L
3J02A	3J07A	2920	21		I10L
4J34D	4J33D	2013	19,21		013H* 014H* 015H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3JC9D		3J05A		2040		30		015L, I13H, I14H
001000		027400		000001		000151		141	
	4J24G		4J23G		2050		94		I13H, I14H, I15H
001000		027400		000002		000151		142	
	4J14B		4J15B		2000		85		I10L
	4J24F		4J21F		2070		94		I5L, 011H
	4J26F		4J21F		2070		91, 94, 100		I9L, 014H
	4J27G		4J34G		2050		91, 94		I13H, I14H, I15H
	4J26G		4J25G		2050		94		I5H, I6H
001000		027400		000003		000151		143	
	3J22D		3J20D		2013		41, 42		I5H, I6H, 013H*
									014H*015H
	3J24G		3J28F		2900		40		I7L
001000		027400		000706		000151		144	
	7J10C		7J08C		2000		105		I15L, 013H*014L,
									013H
	4J24C		4J21C		2070		95		013L, I7H
	4J25D		4J24D		2050		95		I11L, I14L
001000		027400		077757		000151		144A	
	4J10F		4J09F		2040		82		I7L
001000		301360		000000		000151		145	
	8J06B		8J02B		2070		79, 80		015L, I10H
	7J21A		7J03A		2020		37		I6L
001002		000000		000000		000151		146	
	3J24F		3J28F		2900		40		06H*08L, 06H
001003		027400		000706		000151		146A	
	3J18B		3J19B		2050		48		
001004		004400		000706		000151		147	
	3J22E		3J13E		2013		41, 43		010L*011L*012L
001004		027400		000706		000151		149	
FOR FURTHER ISOLATION REFER TO TABLE 8-48.									
	6J25B		6J31B		0400		139		I25H, I33H, I27L,
									I29L, I30L
	6J29B		6J31B		0400		143		I25H, I33H, I27L,
									I29L, I30L
	6J34B		6J25D		0400		140, 142		I18H, I35H, I39L,
									I41L, I42L
	6J19C		6J21C		0761		135, 136, 138, 175		010H, 018L, I20L,

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J27B		6J31B		0400		139,142		019L*010H*012H I26H, I17L, I18L
	6J13C		6J21C		0761		137,175		010H, I20L
	6J17C		6J21C		0761		136,137,175		010L, 018L
	6J32B		6J31B		0400		140		I42H
	6J15C		6J21C		0761		137,175		018L
	3J16G		3J14G		2070		09,35,9,48		015L, I10H
	7J12B		7J02A		2160		106,107		I12L, 015H, I0L* I7L*I8L*I9L* I10L*I11L*I12L* I13L
	7J10C		7J08C		2000		105		I7H, I8H
	7J09A		7J13A		2050		107		I11H, I12H
	7J12E		7J11E		2000		105		I7L
	4J21B		4J26B		2050		96		010H
	4J20B		4J21B		2050		96		09H, 010H
	3J29F		3J17F		2030		48,12		I6L, 010H, I5L* I6L*I7L*I8L*I9L
	3J29G		3J26G		2040		12		I10L, I14L

001005		027400		000706		000151		150	
	4J19G		4J18G		2000		88		I15H
	6J34B		6J32B		0400		140,142		I25H, I27L, I29L, I30L
	7J31F		7J26F		2020		134		I15L

001007		027400		000706		000151		152	
	6J34B		6J32B		0400		140,142		I17H, I30H, I19L
	6J13C		6J15C		0761		137,175		019L*010H*012H

001007		027400		505540		000151		153	
	4J26G		4J25G		2050		94		09H, I5L*I6L, I7L* I8L

001007		101000		000706		000151		154	
	6J13C		6J15C		0761		137,175		046H, I51L, I54L

001010		027400		000706		000151		155	
	6J34B		6J32B		0400		140,142		I19H, I26H, I17L, I18L

001011		027400		000706		000151		156	
	3J20B		3J27B		2070		46,45,44		013L, I7H
	3J19C		3J18C		2060		45		014H, I8L*I9L* I10L
	7J12G		7J11G		2000		104		I5L, I7L
	3J20C		3J21C		2060		45		I8L
	3J20A		3J05B		2080		44,45		I6L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
001011	7J12E	027400 7J11E	003777 2000	000151 105	157	19L
001011	6J27B	341000 6J25B	000706 0400	000151 139,142	158	I18H
001011	3J34F	424242 3J33F	003777 2060	000151 04	159	18L*19L*110L
001013	3J25B	027400 3J26B	000706 2013	000151 15	160	013H*014H*015H
001015	4J17A	027400 4J16A	000706 2000	000151 87	161	I15H
001016	4J18A	027400 4J17A	000006 2000	000151 87	162	013L*014H
001021	4J21G 4J19B	027400 4J20G 4J18B	000000 2050 2000	000151 94 87	164	I11L I11L,013L*014H, I7L*I8L,I9L* I10L,I11L*I12L, 014H
001021	3J25B	027400 3J26B	000706 2013	000151 15	165	15H
001024	7J06A	004070 7J07A	774330 2000	000151 113	166	013H*014L,013H
001024	4J18A	027400 4J17A	000004 2000	000151 87	167	I11L
001024	4J18A	027400 4J17A	341030 2000	000151 87	168	I11L*I12L
001025	7J06A	004070 7J07A	774330 2000	000151 113	169	I15L
001032	4J18A	027400 4J17A	341031 2000	000151 87	170	I9L*I10L,014H
001042	6J35A	027400 6J34A	341042 0651	000151 158	171	I36H
001043		027400	003000	000151	172	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J18A		4J17A		2000		87		I7L*I8L
001047		027400		341052		000151		176	
	6J35A		6J34A		0651		158		I44H
001047		027400		341101		000151		177	
	4J24G		4J23G		2050		94		I12L
001047		027400		341121		000151		178	
	8J07B		8J04B		2050		79		I14L, 010H, I11L* I12L, I13L*I14L* I15L
	4J15B		4J14B		2000		85		I6L
	4J09F		4J08F		2040		82		I9H, I10H
001047		027400		505510		000151		179	
	8J07A		8J06A		2050		79		I8L, 09H, I5L*I6L, I7L*I8L
	4J16B		4J15B		2000		85		I6L
	4J10F		4J09F		2040		82		I9H, I10H
001047		027400		505540		000151		180	
	4J23F		4J22F		2920		94		I6L, I9L, I13L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	4J26F		4J24F		2070		91, 94, 100		015L, I10H
	4J26G		4J25G		2050		94		I6L, I7L
	4J27G		4J34G		2050		91, 94		I11H, I12H
	4J14B		4J15B		2000		85		I6L
	4J06F		4J07F		2040		82		015L, I9H, I10H
001047		027400		777777		000151		181	
	4J27E		4J26E		2920		91		I5H, I6H, I7H
001051		027400		341052		000151		182	
	4J18A		4J17A		2000		87		I15H, I5L*I6L
001054		000000		000000		201062		183	
	7J11E		7J10E		2000		104		I5H
001054		000002		505640		201062		184	
	4J17B		4J16B		2000		87		I5L
001054		000003		505640		201062		185	
	3J13G		3J07G		2920		35		I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
001055	7J11E	000000 7J10E	000000 2000	201062 104	186	I6H
001055	4J33C	000000 4J32C	505640 2900	201062 102	187	I14H
001055	4J34B	000002 4J33B	505640 2900	201062 102	188	I9L
001057	4J19B	027400 4J18B	003000 2000	000151 87	189	I15H
001073	4J17B	027400 4J16B	777777 2000	201062 87	190	I5L*I6L
001102	4J21F	027400 4J24F	000706 2070	000151 94	191	013L,I7H
001102	4J17A	027400 4J16A	777777 2000	000151 87	192	I15L,I5H,I6H, 013H*014L,013H
001202	6J25B 6J27B	027400 6J29B 6J29B	000706 0400 0400	000151 139 139,142	193	I18H,I19L I33H
001203	6J17C	027400 6J15C	000000 0761	000151 136,137,175	194	019L*010H*012H
001203	6J27B	027400 6J25B	764362 0400	000151 139,142	195	I17H,I30H,I19L
001211	6J15C 6J33A 6J33E 7J08F 7J12F 4J27G 8J03B	027400 6J13C 6J32A 6J32E 7J07F 7J11F 4J34G 8J04B	000706 0761 0651 0651 2000 2000 2050 2050	000151 137,175 159 168 111 104 91,94 111	197	I25L,I28L,03L* 04L I48L I54H I15L,I9H,I10H, 013H*014L,013H I15L,I5H,I6H, 013H*014L,013H I11L,I14L,010H, I11L*I12L,I13L* I14L*I15L I12L,010H,I11L* I12L,I13L*I14L* I15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J24F		4J21F		2070		94		011L, I5H
	8J07B		8J04B		2050		79		09L, I7H, I3H
	4J26G		4J25G		2050		94		I7H, I6H
	4J14B		4J15B		2000		85		I6H
	4J14E		4J15E		2000		85		I15L, I5H, 013H*
									014L, 013H
	4J08F		4J07F		2040		82		I10L
001211	6J17C	552766	6J15C	000000	0761	000151	136, 137, 175	198	010H
001211	6J17C	572766	6J15C	000000	0761	000151	136, 137, 175	199	I20L
001213	3J24B	027400	3J21B	400320	2060	000151	41	199A	013H
001213	3J32E	027400	3J25E	777777	2013	000151	04, 05	200	I7L
001216	6J25A	000000	6J24A	000706	0651	000151	163	201	I48L
	6J25E		6J24E		0651		172		I54H
	6J21C		6J19C		0761		135, 136, 138, 175		I52L
	7J07B		7J06B		2000		113		I15L, I9H, I10H, 013H*014L, 013H
	3J24G		3J28F		2900		40		I5H, 06H*06L, 06H
	8J04F		8J03F		2050		113		I12L, 010H, I11L* I12L, I13L*I14L* I15L
	8J06E		8J25E		2070		80, 81		I6L, 012H
	8J06F		8J07F		2050		81		09L, I7H, I8H
001222	3J22D	027400	3J20D	000000	2013	000151	41, 42	202	013L*C14L*015L
001234	6J15C	027400	6J13C	000000	0761	000151	137, 175	203	010H, I20L
001240	3J18D	027400	3J16D	000000	2070	000151	47	204	015L
	3J18B		3J11B		2050		47, 48		I15L
001241	3J26C	027400	3J23C	000000	2060	000151	22, 35	205	015H, I11L*I12L
001243	6J15C	027400	6J13C	000000	0761	000151	137, 175	206	046H, I51L, I54L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
001251	000000	007110	000151	207	
6J21A	6J22A	0651	165		I48L
6J21E	6J22E	0651	174		I54H
001251	000000	407110	000151	208	
6J23C	6J21C	0761	135,138,175		I25L,I28L
7J08A	7J07A	2000	113		I15L,I9H,I10H, 013H*014L,013H
8J03G	8J09G	2050	113		I12L,010H,I11L* I12L,I13L*I14L* I15L
8J07G	8J09G	2050	81		09L,I7H,I8H
001251	000777	777000	000151	209	
7J21G	7J20G	2020	36		I6L
001261	027400	000000	000151	210	
6J31B	6J29B	0400	143,147		I33L,I35L,I36L
001262	000000	104240	000151	211	
6J29B	6J27B	0400	143		I36H
001311	027400	000706	000151	212	
4J17B	4J16B	2000	87		I15H
3J18G	3J17G	2060	08,46,		I6L
001312	027400	000706	000151	214	
3J20G	3J16G	2070	8,45		015L
3J18G	3J17G	2060	08,46,		013H
001333	027400	000000	000151	215	
6J25B	6J29B	0400	139		I17L,I18L
6J27B	6J29B	0400	139,142		I41H
001500	000000	346232	000151	216	
4J19C	4J18C	2000	87		I15H
001714	027400	000010	000151	221	
4J16E	4J15E	2000	86		I10L
4J21D	4J20D	2050	95		010L,I11H,I12H
4J25D	4J24D	2050	95		I11H,I12H
001714	027400	000076	000151	222	
6J25B	6J27B	0400	139		I30H
001714	027400	000706	000151	223	
3J03C	3J06C	2070	07,11,21,18		011L,I5H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J08G 4J14D		3J30F 4J09D		2030 2013		18,24 18		I15L I5L,013L*014L* 015L
001714	4J20D	027400	4J21D	000710	2050	000151	95	224	I6L,I7L
001714	3J05F 3J16C	027400	3J05E 3J33C	000716	2040 2050	000151	17 48,53	225	I8L 09L
001714	4J16E	027400	4J15E	001010	2000	000151	86	225A	I5L,I7L,I11L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
001717	4J34D 3J03C	027400	4J33D 3J06C	000706	2013 2070	000151	19,21 07,11,21,18	226	I6L 012L,I6H
001774	7J10A 7J11A	000000	7J08A 7J20A	000000	2000 2000	000151	105 105	228	I9L I9L
002000	4J17D	027400	4J16D	000706	2013	000151	19	229	I5L
002001	4J24D	000000	4J23D	000306	2050	000151	95	230	010L
002001	4J18E	000000	4J17E	000706	2000	000151	88	231	I15H
002001	4J15E	027400	4J14E	002000	2000	000151	86	232	I9L
002405	8J14A	707070	8J15A	000001	2000	000151	114	233	I15H
002411	8J14A	707070	8J15A	557775	2000	000151	114	234	013L*014H
002417	8J14A	707070	8J15A	000001	2000	000151	114	235	I7L*I8L,014H
002417		707070		777777		000151		236	

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J14A		8J15A		2000		114		16L
002420	707070		000000		000151		237		
	8J14A		8J15A		2000		114		013H*014L
002425	707070		000001		000151		238		
	8J14A		8J15A		2000		114		111L*112L
002426	707070		000001		000151		239		
	8J14A		8J15A		2000		114		15L*16L
002457	003001		000000		000151		240		
	8J06E		8J25B		2070		80,81		110H
002460	003001		000000		000151		241		
	8J06E		8J25B		2070		80,81		015L
	3J24E		3J12E		2900		40		19L
002551	000100		000100		000151		242		
	6J32A		6J31A		0651		160		141H,144H
002551	003001		525252		000151		243		
	7J10E		7J08E		2000		104		15L
003000	027400		000706		000151		244		
	4J21D		4J20D		2050		95		111L,114L,111L* 112L,113L*114L* 115L
003011	027400		000706		000151		245		
	4J35C		4J35B		2220		21,29		014L
003050	027400		000706		000151		246		
	3J05B		3J22B		2080		19		05L,16H,17H,18H
	3J05A		3J04A		2040		19		015H
003200	027400		777715		000151		247		
	6J34B		6J32B		0400		140,142		142H
003202	027400		000706		000151		248		
	4J15E		4J14E		2000		86		115H
	6J28A		6J27A		0651		162		136H,144H,148H
003202	507640		000706		000000		250		
	4J24D		4J23D		2050		95		111L
003264	214000		010340		000151		251		
	3J25G		3J22G		2013		16		16L,013L*014L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
							015L
003700	4J15D	027400 4J14D	000706 2013	000151	18	252	010L*011L*012L
003712	4J21C	027400 4J11C	000706 2070	000151	95	253	I10L,C15H
003764	4J09E	027400 4J08E	000000 2040	000151	83	254	I7L
004001	4J14C	000000 4J15C	004001 2000	000151	85	255	I9H
004001	4J17E	027400 4J16E	000706 2000	000151	88	256	I15H
004014	4J17C	011400 4J16C	557775 2000	000151	87	257	I15H
004053	4J17C	027400 4J16C	001712 2000	000151	87	258	I11L
004164	4J11D	000000 4J10D	002770 2070	201062	83,101	259	015L,I10H
004214	3J28C 3J27G 3J28G	027400 3J30C 3J12G 3J21G	000401 2900 2050 2060	000151	12 12 12,48	260	I5L,I12L 09L,I7H,I6H 013H,I5L*I6L* I7L
004214	6J35C	027400 6J33C	614001 0900	000151	136,145	261	09H*010H
004276	6J32E	000000 6J31E	777676 0651	347675	169	262	I53H
004331	4J23F	764374 4J22F	004371 2920	000151	94	263	I11H
004344	4J34E	027400 4J33E	000000 2900	000151	102	265	I5H
004344	4J28G 4J11E	027400 4J02G 4J13D	000010 2900 2070	000151	99 82,83	266	I12H,06H*08L, 06H 012L,I6H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J07F		7J06F		2000		111		17H, 18H 15L, 17L, 19L, 111L, 114L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 113L*114L
	4J06F		4J05F		2040		108		
	4J09F		4J08F		2040		82		18L
004345		027400		000000		000151		267	
	4J31D		4J04C		2060		20, 21		111L
004362		027400		000000		000151		266	
	3J20B		3J27B		2070		46, 45, 44		012H
004362		027400		000706		000151		269	
	3J19G		3J18G		2060		46		014H, 18L*19L* 110L
004362		424242		424242		000151		270	
	4J32A		4J30A		2900		89		114H
	4J33A		4J34A		2900		102		114H
004362		602512		470760		000151		271	
	4J21B		4J20B		2050		96		113H, 114H
004362		627045		070760		000151		272	
	4J25B		4J24B		2050		96		113L, 010H, 113L* 114L*115L
004362		653213		270760		000151		273	
	4J07A		4J06A		2040		110		17L, 19L, 111L, 015H, 15L*16L, 17L*18L, 19L* 110L, 113L*114L 18H
	7J06A		7J07A		2000		113		
004362		653213		370760		000151		274	
	4J10A		4J09A		2040		84		18L
004362		702512		470760		000151		275	
	4J29E		4J28E		2900		100		19H
004362		702512		570760		000151		276	
	4J16G		4J15G		2000		86		15H, 16H
004362		716211		570760		000151		277	
	4J11C		4J21C		2070		83, 84		011L, 15H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
004362	4J29E	761311	4J28E	277777	2900	000151	100	278	013H*015L,013H
004362	4J25G	764362	4J24G	004361	2050	000151	94	279	I14L
004363	3J19F	027400	3J18F	000000	2060	000151	46	281	I11L,015H,I11L* I12L
	3J13D		3J04D		2070		07,29,10		I10L,015H
	3J14G		3J09G		2070		55,35,29		012L,16H
	3J13G		3J07G		2920		35		I11H,I12H,I13H, I14H
	3J15G		3J05G		2060		55,35,34		014H,I8L*19L* I10L
	7J20G		7J21G		2020		35		I6L
	3J05A		3J04A		2040		19		I9L
004363	3J28D	027400	3J24D	000503	2900	000151	12	282	I11L
004363	3J14E	027400	3J15E	764362	2930	000151	10,11	283	I9L*I10L
004363	4J21E	602512	4J20E	470760	2050	000151	96	284	I15H
004363	4J25E	627045	4J24E	070760	2050	000151	96	285	I12L,I11L*I12L
004363	4J07A	653213	4J06A	270760	2040	000151	110	286	I5L,I14L,I11L* I12L
	7J06A		7J07A		2000		113		I7H
004363	4J10A	655513	4J09A	070760	2040	000151	84	287	I10L
004364	6J19C	000000	6J17C	003776	0761	343775	135,136,138,175	288	052L
004364	7J12F	000000	7J11F	077777	2000	000151	104	289	I8L
004364	3J22E	000000	3J05E	777776	2080	000706	41	290	I6L
004364		027400		000000		000151		291	

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J34B		6J32B		0400		140,142		I26L
	4J22C		4J20C		2920		95		I11H,I12H,I13H, I14H
	3J14E		3J15E		2930		10,11		I10L
	3J26C		3J23C		2060		22,35		I12L
	3J04B		3J03B		2920		21		I13L
004364	7J12C	027400	7J11C	347775	2000	000151	105	292	I7H,I8H
004364	4J19G	353535	4J18G	707070	2000	000151	88	293	I7L,I9L
004364	3J18B	424242	3J11B	004366	2050	000151	47,48	294	I14L
004364	4J23F	424242	4J22F	353535	2920	000151	94	295	I8H,I9H,I10H
004364	4J16B	764362	4J15B	004361	2000	000151	85	296	I9H
004365	4J23D	000000	4J22D	000000	2050	000151	95	297	I6L,I7L
004365	6J27A	000000	6J26A	000000	0651	343775	162	298	I44L
004365	3J17D	000000	3J08D	000706	2060	000706	47	299	I6L
004365	3J20D	000024	3J19D	000706	2012	000706	45	300	I6L
004365	6J26A	010000	6J25A	000706	0651	000151	163	301	I44H
004365	6J34B	027400	6J32B	000000	0400	000151	140,142	302	I27H,I25L
004365	6J29B	424242	6J27B	347775	0400	000151	143	303	I18H
004365	7J08E	613376	7J07E	000000	2000	000151	112	304	I15L,013H*014L
	8J04E		8J03E		2050		112		I5L
	8J07C		8J06C		2050		90		C10L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
004365	764362	000000	000151	305	
4J16B	4J15B	2000	85		I10H
004365	764374	000070	000151	306	
4J21G	4J20G	2050	94		I13L*I14L*I15L
004365	764374	347775	000151	307	
4J23F	4J22F	2920	94		I12H
004365	777677	347675	347675	308	
6J32A	6J31A	0651	160		I44L
004366	000000	000706	000706	309	
3J23A	3J03E	2030	41		I5H
004366	000706	000706	000706	310	
3J22D	3J20D	2013	41,42		I7H,010H*011H*012H
3J02A	3J07A	2920	21		I7H
004366	027400	347775	000151	311	
6J33C	6J35C	0900	136,135,145		I4H
004366	300003	000000	000151	312	
6J34B	6J32B	0400	140,142		I29H
004366	613376	000000	000151	313	
7J08E	7J07E	2000	112		013H
8J04E	8J03E	2050	112		09H
8J07C	8J06C	2050	80		I14H
004366	764374	000070	000151	314	
4J21G	4J20G	2050	94		I11L*I12L
004367	000000	004222	000706	315	
3J23A	3J03E	2030	41		I6H
004367	000000	105630	000706	316	
6J35A	6J34A	0651	158		I44L
004367	000706	004404	000706	317	
3J18D	3J16D	2070	47		013H
004367	027400	004374	000151	318	
4J32B	4J30B	2900	102		I7L
004367	377777	014411	000076	319	
4J25E	4J13E	2050	91,92		I5L*I6L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
004367	6J33A	501240	6J32A	777736	0651	000040	159	320	136H
004367	8J07C	613376	8J06C	003774	2050	000151	80	321	113H
004367	4J23F	764374	4J22F	004371	2920	000151	94	322	114H
004367	6J32A	777677	6J31A	777676	0651	347675	160	323	147L
004370	3J22D	000706	3J20D	004404	2013	000706	41,42	324	18H
004371	4J14C	000000	4J15C	004001	2000	000151	85	325	110H
004371	3J18F	000706	3J13F	004404	2060	000706	47	326	015L
004371	3J25A	004372	3J24A	004374	2013	000151	15	327	17H
004371	3J25D	764362	3J22D	000000	2013	000000	16	328	17L
004371	3J23C	764362	3J21C	004361	2060	347775	41,44	329	16L
004372	6J27E	000000	6J26E	003776	0651	343775	171	330	153H
004372	4J06G	000000	4J05G	004357	2040	000704	108	331	111L*112L,113L* 114L
004372	6J15C	000000	6J13C	105630	0761	000706	137,175	332	053L
004372	4J21D	000400	4J20D	004401	2050	000151	95	333	09H
004372	3J22D	000706	3J20D	004404	2013	000706	41,42	334	19H
	3J18D		3J16D		2070		47		17L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
004372	4J23F	764374	4J22F	004371	2920	000151	94	335	I13H
004373	6J17C 8J04E 8J07C	613376	6J15C 8J07E 8J06C	003774	0761 2050 2050	000151	136,137,175 112 80	336	I28L I5L*I6L I15H
004373	3J29G	777777	3J26G	004372	2040	000706	12	337	I12L
004374	3J25A	004372	3J24A	004374	2013	000151	15	338	I8H,010H*011H* 012H
004374	4J32B	027400	4J30B	344707	2900	000151	102	339	I12L
004374	6J30A 8J04E	613376	6J29A 8J03E	003774	0651 2050	000151	161 112	340	I48L I7L*I8L
004375	7J08E	613376	7J07E	003774	2000	000151	112	341	I10H
004376	4J06G	000000	4J05G	004357	2040	000704	108	342	I9L,I11L,I14L, I9L*I10L
004376	3J13G	027400	3J07G	777776	2920	000000	35	343	I13L
004376	4J20E	070000	4J12E	074372	2050	000000	96	344	09H
004377	4J24D	507640	4J23D	000706	2050	000151	95	345	010H,I11L*I12L, I13L*I14L*I15L
004401	3J18F	000000	3J13F	003173	2060	000000	47	346	014L,I8H,I10H
004401	3J23A	000000	3J03E	004222	2030	000706	41	347	I8H
004401	4J06G	000000	4J05G	004357	2040	000704	106	348	I5L*I6L,I7L*I8L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
004401	000706	004404	000706	349	
3J236	3J20G	2070	14,41,44,46		014L,19H
3J18F	3J13F	2060	47		111H
3J236	3J21B	2060	41		111L
3J02A	3J07A	2920	21		16H
004401	001250	001250	000704	350	
6J37E	6J36E	0651	166A		153H
6J13C	6J15C	0761	137,175		045L
004401	613376	003774	000151	351	
6J30E	6J29E	0651	17C		154H
004402	000000	003173	000000	352	
3J18F	3J13F	2060	47		19H
004402	000000	004222	000706	353	
3J23A	3J03E	2030	41		17H
004402	000000	004357	000704	354	
4J066	4J05G	2040	108		17L,015H
004402	001250	001250	000704	355	
6J37A	6J36A	0651	157A		144L
004402	004372	004374	000151	356	
3J25A	3J24A	2013	15		19H
004403	000000	004222	000706	357	
3J23A	3J03E	2030	41		19H
004403	000000	004357	000704	358	
4J11E	4J13D	2070	82,83		015L
7J07G	7J06G	2000	111		17H
4J06G	4J05G	2040	108		15L
004403	000706	004404	000706	359	
3J18F	3J13F	2060	47		112H
004403	764362	004402	000151	360	
6J27B	6J25B	0400	139,142		136H
004404	000000	004357	000704	361	
4J11E	4J13D	2070	82,83		110H
7J07G	7J06G	2000	111		18H
004404	027400	000000	000151	362	
3J19E	3J16E	2060	45		15L*16L*17L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J02A		3J07A		2920		21		I13L
004404	3J07F	554374	3J04F	124403	2920	254524	22	363	I10L
004404	7J08E	613376	7J07E	003774	2000	000151	112	364	I9H
004405	3J02A	000706	3J07A	004404	2920	000706	21	365	ISL
004405	3J23C	027400	3J21C	000000	2060	000151	41,44	366	013H, 15L*16L* 17L
004406	3J18F	027400	3J13F	000000	2060	000151	47	367	I11L
	3J19G		3J18G		2060		46		I8L
	3J23C		3J21C		2060		41,44		I7L
004424	4J18B	353535	4J17B	707070	2000	000151	87	368	I7L
004441	4J27G	505640	4J26G	032272	2050	000151	91,94	369	010L
004453	4J17C	027400	4J16C	000706	2000	000151	87	370	013L*014H, 15L* 16L, 17L*18L, 19L* 110L, 111L*112L, 014H
004464	4J17B	353535	4J16B	707070	2000	000151	87	371	I7L, 19L
004466	3J18D	027400	3J16D	764362	2070	000151	47	372	013L, 17H
004475	4J25E	013767	4J13E	010533	2050	000151	91,92	373	I11L
	4J26E		4J24E		2920		91		015L
004601	4J33C	000001	4J32C	004700	2900	000151	102	374	I10L
004603	7J20F	027400	7J21F	000000	2020	000151	35	375	I13H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
004607	027400	000000	000151	376	
3J02A	3J07A	2920	21		19L

004707	027400	344707	000151	377	
7J11F	7J10F	2000	104		18L

004714	027400	000010	000151	378	
4J19E	4J18E	2000	88		19L, 111L, 013L* 014H, 15L*16L, 17L*18L, 19L* 110L, 111L*112L, 014H
4J24D	4J23D	2050	95		15L, 18L, 09H, 15L* 16L, 17L*18L
4J27C	4J25C	2920	92		15L, 18L, 111L, 015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* 110L
4J26C	4J24C	2070	92, 95, 100		013L, 17H

004760	027400	000706	000151	380	
6J27C	5J27C	0280	135		19H
6J29C	6J31C	0040	136		110L

004777	027400	000706	000151	381	
4J14E	4J15E	2000	86		15L, 17L, 111L, 013L*014H, 15L* 16L, 17L*18L, 19L* 110L, 111L*112L, 014H

005002	027400	000706	000151	382	
3J02G	3J10G	2050	18		09L

005007	341261	777776	000151	383	
3J22G	3J25G	2013	42		15H

005012	027400	000706	000151	384	
3J15B	3J14B	2930	08, 09		110L

005015	027400	000007	000151	385	
4J17B	4J16B	2000	87		111L, 013L*014H, 17L*18L, 19L* 110L, 111L*112L, 014H

005015	341261	016014	000151	386	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
	3J22G	3J25G	2013	42		16H
005017		171541	777777	000151	387	
	3J10A	3J28A	2050	107		17H,18H
	3J08A	3J28A	2050	17,23		114L
005225		027400	501600	000151	388	
	4J18C	4J17C	2000	87		15L
005247		000535	000000	025311	388A	
	3J18D	3J16D	2070	47		014H
005364		027400	000010	000151	389	
	4J32E	4J30E	2900	103		19L
005364		027400	001010	000151	390	
	4J25D	4J24D	2050	95		010L
005364		353535	000000	000151	391	
	4J17C	4J16C	2000	87		19L
005364		377777	000002	000151	392	
	4J32E	4J30E	2900	103		114L
005376		027400	000706	000151	393	
	4J17C	4J16C	2000	87		15L
005603		027400	000706	000151	394	
	4J18C	4J17C	2000	87		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
005610		027400	000706	000151	395	
	7J02D	7J03D	2013	06		17L,010L*011L* 012L
	7J19D	7J18D	2013	06		15L,013L*014L* 015L
	7J23E	7J17E	2060	35,49,54		111L,111L*112L
	7J20G	7J21G	2020	35		011L*012H,012H
	7J20F	7J21F	2020	35		16H
	3J02G	3J10G	2050	18		18H
005612		027400	000706	000151	396	
	7J20F	7J21F	2020	35		15L
005712		027400	000706	000151	397	
	7J02D	7J03D	2013	06		15L,013L*014L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J18D		7J15D		2013		06		015L 15L,013L*014L* 015L
005714	4J14D	027400	4J09D	000706	2013	000151	18	398	17H,18H,19H, 010H*011H*012H
	4J04D		4J03D		2013		05		15H,16H
	3J08G		3J30F		2030		18,24		112L,011H,112L* 113L*114L
	3J02E		3J04E		2060		18		015H,111L*112L
	7J20G		7J21G		2020		35		113L
005721	3J15F	027400	3J23F	000706	2013	000151	08,09	400	18L
	3J13G		3J07G		2920		35		16L
006376	4J19E	027400	4J18E	000706	2000	000151	88	402	115H
006443	4J27D	027400	4J26D	454051	2050	000151	92,95	403	010L
006713	4J18E	027400	4J17E	000706	2000	000151	88	404	111L,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
007000	4J26D	027400	4J25D	000000	2050	000151	95	405	010L
007001	7J11C	027400	7J10C	000000	2000	000151	105	406	19L
007001	4J15E	027400	4J14E	002000	2000	000151	86	407	15L,17L,111L, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
007001	4J26D	027400	4J25D	507202	2050	000151	95	408	112L,113L
007512	3J08C	440010	3J22B	000000	2060	000151	22	409	112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
007712		027400		000706		000151		410	
	3J19E		3J16E		2060		45		014L, 18H
	3J20C		3J19C		2060		45		015L, 111H
007776		027400		000040		000151		412	
	6J33A		6J32A		0651		159		I44H
007776		027400		347775		000151		413	
	7J10E		7J08E		2000		104		15H, 16H
	3J18B		3J11B		2050		47, 48		15H, 16H
	3J16A		3J13A		2060		48, 28		17L
	3J22E		3J13E		2013		41, 43		17H, 18H, 19H,
	3J29G		3J26G		2040		12		010H*011H*012H
									113H, 114H
007776		027400		505642		000151		414	
	3J24G		3J28F		2900		40		I10L
007777		027400		000000		000151		415	
	3J19F		3J18F		2060		46		15H, 16H, 17H
007777		027400		341261		000151		416	
	6J22A		6J21A		0651		165		I48H
010000		027400		000706		000151		417	
	4J08D		4J07D		2013		17, 26		15H, 16H, 013H*
	4J03B		4J02D		2013		05, 17		014H*015H
	3J08A		3J10A		2050		17, 23		17L, 010L*011L*
	3J05E		3J09D		2040		17		012L
	3J09G		3J14G		2070		30, 34, 17		17L, 09H, 15L*16L,
									17L*18L
									015L, 19H, 110H
									110L, 015H
010001		000000		000000		017073		419	
	4J16F		4J15F		2000		86		I10L
010611		027400		004610		000151		420	
	3J29E		3J20E		2070		14, 13, 12		013L, 17H
	3J27E		3J26E		2060		12, 14		112L
011004		027400		000706		000151		421	
	4J16F		4J15F		2000		86		I6L
	4J10B		4J09B		2040		84		015L
013065		777777		740377		000151		422	
	7J21F		7J20F		2020		36		I6L, I10L, I15L*
									I6L*I7L, I8L*I9L*

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
							I10L
013661	027400	557751	000151		423		
	3J02A	3J07A	2920		21		I6L
014364	353535	707070	000151		424		
	4J17E	4J16E	2000		88		I9L
014403	377777	005002	000076		425		
	4J25E	4J13E	2050		91,92		09H
	4J20A	4J13A	2920		96		I5H
014404	377777	005102	000076		426		
	4J20A	4J13A	2920		96		I7H
014411	377777	007002	000076		427		
	4J25E	4J13E	2050		91,92		I7L*I8L
015020	017102	777777	011046		428		
	4J22B	4J21B	2050		96		I13H,I14H,I15H
015020	777700	001717	000151		429		
	4J20B	4J12B	2050		96		I5H,I6H
	4J22B	4J21B	2050		96		I11H,I12H
016004	341261	777776	000151		430		
	3J22G	3J25G	2013		42		013H*014H*015H
016065	000000	000000	000151		431		
	7J11B	7J10B	2000		105		I9L
017016	000000	503000	000000		432		
	4J33F	4J32F	2900		103		I5L
017023	000000	001000	000151		433		
	8J06G	8J02G	2070		81		I6L,I10L,012H, 015H
	8J04G	7J16G	2080		40,107		09L,I10H,I11H, I12H,I13H,I14H, I15H
017046	377777	007002	000076		434		
	4J20A	4J13A	2920		96		I6H
017057	513000	513000	000151		435		
	4J16F	4J15F	2000		86		I15H
017240	570000	016140	000151		436		

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TABLE 2-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J27B		3J20B		2070		14,15		014L,19H
017405		027400		007777		000151		437	
	3J24B		3J23B		2060		41,15		014H,18L*19L* I10L
017776		707070		000000		000151		437A	
	3J05D		3J17E		2060		38		014H
020162		774343		000000		000000		438	
	8J06B		8J02B		2070		79,80		I5L,011H
	3J24F		3J28F		2900		40		I12H
020373		XXXXXX		777777		000151		439	
	8J15A		8J14A		2000		114		I15L, I15H, 013H* 014L, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H
020373		007311		007300		000151		440	
	8J06B		8J02B		2070		79,80		I7L,013H
	3J24G		3J28F		2900		40		I12H
021005		027400		000706		000151		441	
	4J19F		4J18F		2000		88		I15H
021204		027400		764362		000151		442	
	4J15F		4J14F		2000		86		I15H
025011		000000		000000		000151		443	
	4J33F		4J32F		2900		103		I9L
026050		353535		616115		000151		444	
	4J18E		4J17E		2000		88		I7L
026124		027400		000706		000151		445	
	3J06B		3J02B		2060		17		014L,18H,19H, I10H
	3J06A		3J28A		2050		17		09H
027243		027400		000706		000151		446	
	3J22A		3J15A		2013		13,43		I5L,013L*014L* 015L
	3J05E		3J09D		2040		17		I8L
027402		777532		505640		000151		447	
	6J23A		6J22A		0651		164		I36H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
030000	3J24B	027400 3J23B	000000 2060	000151 41,15	448	19L
030001	4J22B	017101 4J21B	753704 2050	010764 96	449	010L
030002	4J16F	027400 4J15F	513000 2000	000151 86	450	17L, 013L*014H, 15L*16L, 17L*18L, 19L*110L, 111L* 112L, 014H
030401	3J06B	027400 3J03B	000706 2040	000151 17	450A	015H
030403	3J06F	027400 3J13F	000706 2060	505000 17	451	013L, 15H, 16H, 17H
030404	3J22B	027400 3J08C	000706 2080	000151 41	451A	05H
030405	8J06E	027400 8J25B	000706 2070	000151 80, 81	452	013L, 17H
030405	8J06F	027400 8J04F	755726 2050	000151 91	453	114L
030410	3J09G 3J24C 3J22B 3J24G	027400 3J14G 3J12C 3J05B 3J28F	000706 2070 2070 2080 2900	000151 30, 34, 17 44, 41, 40, 14 41 40	454	015L, 11CH 012L, 16H 18L, 05H, 16L*17L* 18L 114L
030712	4J21A	027400 4J04A	000706 2070	000151 96	455	16L, 012H
031070	4J26G	514730 4J25G	514750 2050	027404 94	456	112L, 113L
031774	4J18B	764362 4J17B	000000 2000	000151 87	457	19L
032052	4J18E	424242 4J17E	567656 2000	000151 88	458	19L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
033021	3J20A	027400 3J05B	000706 2080	000151	459 44,45	I6L*I7L*I8L
036017	4J15F	000000 4J14F	000000 2000	000151	460 86	I10L
036017	4J15F	020000 4J14F	020000 2000	000151	461 86	I7L,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
036026	4J24A 4J23B 4J20B	000000 4J21A 4J22B 4J12B	000000 2070 2050 2050	000151	462 96 96 96	I10L,015H I13H,I14H,I15H I11H,I12H
037142	3J13G	027400 3J07G	000706 2920	000151	463 35	I10L
040001	7J31F	027400 7J26F	000706 2020	000151	464 134	I5H,I7H
040405	8J06F	027400 8J04F	755726 2050	000151	465 81	010H,I11L*I12L, I13L*I14L*I15L
040712	4J14F 4J21A 4J24A 4J21B 4J23B	027400 4J15F 4J04A 4J26A 4J20B 4J22B	000706 2000 2070 2070 2050 2050	000151	466 86 96 96 96 96	I5L,I7L,I10L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H I9L,014H I9L,014H 09L,I5H,I6H I7H,I8H
040714	4J19F	027400 4J18F	005056 2000	000151	468 85	I9L,I11L,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
040726	4J20A	027400 4J13A	777777 2920	000151	469 96	015L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
041204	027400	764362	000151	470	
4J14F	4J15F	2000	86		I15H
042415	707070	342414	000151	471	
4J14F	4J15F	2000	86		19L
042611	027400	344622	000151	472	
3J286	3J21G	2060	12,48		17L
044364	027400	000706	000151	473	
4J32G	4J30G	2900	103		I12L
044364	353535	707070	000151	474	
4J18F	4J17F	2000	85		19L
044714	027400	000706	000151	475	
4J19D	4J18D	2013	19		I6L,013L*014L* 015L
050725	027400	000706	000151	476	
4J21A	4J04A	2070	96		15L,011H
052223	027400	000706	000151	477	
4J23B	4J22B	2050	96		09L
060712	027400	000706	000151	478	
4J21A	4J04A	2070	96		17L,013H
060713	027400	000706	000151	479	
4J18F	4J17F	2000	88		I11L,013L*014H, 15L*I6L,17L*I8L, 19L*I10L,I11L* I12L,014H
061006	027400	000706	000151	480	
4J18F	4J17F	2000	88		I15H
064474	000000	777777	000151	481	
4J19F	4J18F	2000	88		17L
071004	027400	000706	000151	482	
4J20B	4J12B	2050	96		I6L,17L
100001	027400	105050	000151	483	
7J10B	7J08B	2000	105		18L
100001	027400	440000	000151	483A	
3J27B	3J20B	2070	15		012H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
100712		027400		000706		000151		484	
	4J16G		4J15G		2000		86		I7L, I10L, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J17F		4J16F		2000		88		I11L, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H
	4J21A		4J04A		2070		96		I10L, 015H
	4J21H		4J20B		2050		96		010L, I11H, I12H
	4J25B		4J24B		2050		96		I11H, I12H
101003		027400		000706		000151		486	
	4J10A		4J09A		2040		84		I5L, I7L, I9L, I11L, I13L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
	4J19G		4J18G		2000		88		I15L, I5H, I6H, 013H*014L, 013H
101003		027400		000706		000151		487	
	4J21E		4J20E		2920		93		I5L, I8L, I11L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
101004		027400		000706		000151		488	
	4J16G		4J15G		2000		86		I5L, I6L
	4J24A		4J21A		2070		96		013H
	4J24B		4J23B		2050		96		010L, I13H, I14H, I15H
	4J25B		4J26B		2050		96		I13H, I14H, I15H
	4J21B		4J20B		2050		96		I12L, I13L
101005		027400		000706		000151		490	
	4J17F		4J16F		2000		88		I15H
101204		027400		764362		000151		491	
	4J16G		4J15G		2000		86		I15H
101370		027400		000706		000151		491A	
	3J07E		3J08B		2060		19		015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
101372	000000	000706	000151	492	
3J06C	3J03C	2070	17,38,19		014L,19H
102414	707070	342414	000151	493	
4J15D	4J14D	2013	18		15L,013L*014L* 015L
3J02E	3J04E	2060	18		16H,17H
102415	707070	342414	000151	494	
3J02E	3J04E	2060	18		013L,15H
3J03E	3J17E	2030	18		011H,112L*113L* 114L
4J16G	4J15G	2000	8E		19L
104364	027400	000000	000151	495	
4J32G	4J30G	2900	103		114L
104364	027400	000706	000151	496	
4J24A	4J21A	2070	96		17L,013H
4J32G	4J30G	2900	103		19L
4J25B	4J24B	2050	96		010L
104364	353535	347775	000151	497	
4J17F	4J16F	2000	88		19L
105001	027400	717776	000151	498	
3J25D	3J22D	2013	16		010L*011L*012L
105003	027400	000706	000151	499	
3J22D	3J20D	2013	41,42		010L*011L*012L
105004	027400	000706	000151	500	
6J24A	6J23A	0651	164		148L
6J24E	6J23E	0651	173		154H
6J21C	6J19C	0761	135,136,138,175		126L
7J08E	7J07E	2000	113		115L,19H,110H, 013H*014L,013H
3J24F	3J28F	2900	40		114H,013H*015L, 013H
8J03F	8J04F	2050	113		15L,09H,15L*16L, 17L*18L
8J07F	8J06F	2050	81		010L,113H,114H, 115H
8J06E	8J25F	2070	80,81		15L,011H
105641	000000	000000	000151	501	
6J25B	6J27B	0400	139		129H

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
105642	000000	000000	000151	502	
7J11B	7J10B	2000	105		18L
105642	000015	507310	000151	503	
4J18F	4J17F	2000	88		15L
105642	022247	504814	000151	504	
4J22B	4J21B	2050	96		09L,15H,16H
112662	027400	000000	000151	505	
4J23B	4J22B	2050	96		17L*18L
112771	027400	000000	000151	506	
4J23B	4J22B	2050	96		15L*16L
113047	027400	000000	000151	507	
4J24A	4J21A	2070	96		19H
113262	027400	000000	000151	508	
4J24A	4J21A	2070	96		014L
113546	027400	000000	000151	509	
4J23B	4J22B	2050	96		18L
114756	027400	000000	000151	510	
4J23B	4J22B	2050	96		15L
115171	027400	000706	000151	511	
3J07B	3J06B	2060	23,19		015H,111L*112L
116104	707070	317704	000151	512	
4J16F	4J15F	2000	86		19L
116304	027400	000000	000151	513	
4J23B	4J22B	2050	96		09H
120001	027400	440000	000151	514	
3J26C	3J23C	2060	22,35		17L,014L,18H, 19H,110H,013H, 15L*16L*17L
3J27B	3J20B	2070	14,15		16L,012H
3J08D	3J05D	2060	22		110L
124350	353535	707070	000151	515	
4J18F	4J17F	2000	88		17L
124415	027400	000100	000151	516	
6J32A	6J31A	0651	160		136H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE	PLATE	SYMPTOM	FAULT
125642	4J20B	000000 4J12B	000000 2050	000151	96	517	010L
126444	4J10A	100000 4J09A	100000 2040	000151	84	518	I13H
127003	4J10A	100000 4J09A	100000 2040	000151	84	519	I14H
131417	4J10A	100000 4J09A	100000 2040	000151	84	520	015L
136712	3J08B 3J06C 7J09G	027400 3J07B 3J03C 7J03G	000706 2060 2070 2070	000151	23,47,19 17,38,19 36,53	521	I11L,015H,I11L* I12L 015L,I10H 012L,I6H
136713	3J20G 3J07G	136000 3J16G 3J13G	003430 2070 2920	000151	8,45 36	522	014L,I9H I10L
140024	8J07F	100000 8J06F	000002 2050	000151	81	523	I5L*I6L
140123	8J07F	100000 8J06F	000002 2050	000151	81	524	I7L*I8L
141003	4J08B 4J17F	027400 4J07B 4J16F	000706 2040 2000	000151	84 88	525	I5L,I7L,I9L, I11L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L I15L,I5H,I6H, 013H*014L,013H
141004	4J03B 3J08A 4J17F 3J06B	027400 4J02D 3J10A 4J16F 3J02B	000706 2013 2050 2000 2060	000151	05,17 17,23 88 17	526	I7H,I8H,I9H, 010H*011H*012H 09L,I7H,I8H I7L I9L,014H,I8L* I9L*I10L
141071	4J24G	000776 4J23G	000706 2050	000151	94	528	09L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
142007	3J16G	027400	3J14G	000706	2070	000151	09,35,9,48	529	014L,19H
143233	8J07F	100000	8J06F	000002	2050	000151	81	530	09H
147507	4J06H	027400	4J07B	040000	2040	000151	84	531	015L
151217	8J06G	350227	8J02G	621476	2070	000151	81	532	013L
152363	3J24E	546536	3J12E	020022	2900	000151	40	533	I14L
154777	4J19D	027400	4J18D	000706	2013	000151	19	534	I8L,010L*011L*012L
155327	6J24A 3J07F	027400	6J23A 8J06F	000706	0651 2050	000151	164 81	535	I36H,I41H,I44H I14L
161003	4J09B 4J16F	027400	4J08B	000706	2040	000151	84	536	I7L,I11L,I13L, 015H,15L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L I15L,I5H,I6H, 013H*014L,013H
161160	8J06G	064631	8J02G	336233	2070	000151	81	537	I7H
162724	4J23B	020000	4J22B	020000	2050	000151	96	538	010L
164363	3J18F	027400	3J13F	764362	2060	000151	47	539	015H,I11L*I12L
164364	3J19B	027400	3J18B	164363	2050	000151	47,46	540	010H,I11L*I12L, I13L*I14L*I15L
170001	4J09D	027400	4J08D	000706	2013	000151	17,26	541	I5L,013L*014L*

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TABLE E-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
	3J06F	3J13F	2060	17		015L 015L,I11H,I12H
170473	027400 8J07F	000306 8J06F	000151 2050	543 81		113L*I14L*I15L
170701	027400 8J07F	000306 8J06F	000151 2050	544 81		111L*I12L
170712	027400 3J02E	000706 3J04E	000151 2060	545 18		014H,I18L*I19L* I10L
171003	027400 4J10B	000706 4J09B	000151 2040	546 84		15L,I7L,I9L, I11L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L I15L,I5H,I6H, 013H*014L,013H 15L,I8L,015H, I11L*I12L*I13L, I5L*I6L*I7L,I8L* I9L*I10L 09L
	4J19F	4J18F	2000	98		
	4J23E	4J22E	2920	92		
	4J25E	4J13E	2050	91,92		
171004	027400 4J20A	000706 4J13A	000151 2920	548 96		15L,015H,I11L* I12L*I13L,I5L* I6L*I7L,I8L*I9L* I10L
171005	777777 3J21G	777777 3J19G	000151 2060	549 45		013H,I5L*I6L* I7L
171010	027400 8J07F	000306 8J06F	000151 2050	550 81		010H
172343	216771 3J21G	134462 3J19G	000151 2060	551 45		17L
174364	027400 3J22F 3J23C	764362 3J08F 3J21C	000151 2070 2060	552 41 41,44		011L,I5H 014H,I8L*I9L* I10L

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TABLE 8-16. PROGRAM EXECUTION, PRE AIMAT CONTROL - FAULT CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
174364	424242	000000	000151	553	
3J23C	3J21C	2060	41,44		I8L

175003	027400	000706	000151	554	
4J08C	4J07C	2040	83		I5L, I7L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
4J17E	4J16E	2000	88		I15L, 15H, I6H, 013H*014L, 013H

176360	424242	476201	000151	555	
4J09C	4J08C	2040	83		I5L

177003	027400	000706	000151	556	
4J10C	4J05E	2040	83		I5L, I7L, I11L, I13L, 015H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
4J09C	4J08C	2040	83		I7L, I11L, I13L, 015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
4J18E	4J17E	2000	88		I15L, 15H, I6H, 013H*014L, 013H

177400	027400	000706	000151	557	
3J04D	3J13D	2070	20,07,18		014L, 19H

177710	027400	000706	000151	558	
3J06E	3J04E	2060	24,19		I11H, I12H

177772	764362	124342	000151	559	
3J13D	3J04D	2070	07,29,10		015L, 110H
3J13G	3J07G	292U	35		I12L

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TABLE 8-16A. PROGRAM EXECUTION, PRE AIMAT CONTROL-FAULT (LOOP) CONDITION

P	PULIM	AU	AL	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
000000	002426	707070	XXXXXX	1	
8J14A	8J15A	2000	114		014H
000370	000503	027400	000006	2	
8J07G	8J03G	2050	81		09H
000504	000505	007400	523000	3	
8J06F	8J03F	2050	81		09H
000521	000522	000777	441503	4	
8J03F	8J06F	2050	113		010H
002014	002015	027400	000706	5	
8J026	8J06G	2070	107		014H
002457	002460	003001	000000	6	
8J06B	8J02B	2070	79		015H
004364	004377	004405	XXXXXX	7	
3J23E	3J25E	2013	43		013H,014H,015H
004364	004404	613376	003774	8	
8J04E	8J07E	2050	112		09H
004364	004405	000706	XXXXXX	9	
3J22D	3J25D	2013	41		010H,011H,012H
3J18D	3J16D	2070	47		013H
004364	017046	377777	XXXXXX	10	
4J25E	4J13E	2050	92		09H
004371	004404	000000	004357	11	
4J06G	4J07G	2040	108		015H
004373	004404	004372	004374	12	
3J25A	3J24A	2013	15		010H,011H,012H
005002	016023	014416	XXXXXX	13	
3J22G	3J25G	2013	42		013H,014H,015H
042114	042115	707070	342114	14	
3J03E	3J17E	2030	18		011H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-16B. PROGRAM EXECUTION

PRE AIMAT CONTROL - FAULT (LOOP) UNDETERMINED LIMITS CONDITION

LOC	SWAP	TYPE	PLATE	FAULT
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REFER TO THE FOLLOWING CARD LIST:

8J06B	8J02B	2070	79	015H
8J07F	8J04F	2050	81	09H,010H
8J07G	8J03G	2070	81	010H
3J29F	3J30F	2030	12	011H
3J30E	3J28E	2900	13	08H
4J23B	4J24B	2050	96	09H

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TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000001	4J14D	027400	4J09D	000706	2013	000151	18	1	19L,15H,16H, 010L*011L*012L, 013H*014H*015H
000501	3J30G	027400	3J23G	000706	2070	000151	03	2	013L,17H
000710	4J04B	027400	4J02B	000706	2900	000151	27	4	15L,112L,114H, 06L*08H,013H* 015L,17L*15L* 114L,110L*112L* 19L,08H,013H 115L,15H,17H, 011H*012L,113L* 114L*115L,011H 18L,19L,113H, 115H,15L*16L* 17L,18L*19L* 110L
	7J20F		7J21F		2020		35		112L,113L,010H, 111L*112L,113L* 114L*115L
	7J20G		7J21G		2020		35		112H,06H*08L, 06H 112H,06H*08L, 06H
	4J22G		4J21G		2050		94		15L,19L,111L, 015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
	4J32A		4J30A		2900		89		015L,111H,112H 15L,013H,15L* 16L*17L
	4J33A		4J34A		2900		102		011L,15H 16L,012H
	4J20F		4J11F		2920		94		015L,111H,112H, 113H,114H
	3J13A		3J16A		2060		27		09L,15H,16H 16H
	4J04C		4J03C		2060		27,38		015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
	4J21F		4J24F		2070		94		
	4J26A		4J24A		2070		98,93,96		
	4J22E		4J21E		2920		93		
	4J27G		4J26E		2050		93,96		
	7J19D		7J18D		2013		06		
	3J05C		3J07C		2920		19		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J02B		3J06B		2060		21,18		I5L,I5L*I6L*I7L
	3J11A		3J06A		2060		27,30		013H,I5L*I6L* I7L
	4J31D		4J03F		2060		20,21		015L,I11H
	3J13G		3J07G		2920		35		015L,I6H,I7H
	7J19E		7J16E		2070		35,36,52		I10L
	7J23E		7J17E		2060		35,49,54		015H
	3J28A		3J10A		2050		27		09L
	4J03D		4J02D		2013		05		I7H,I8H,I9H, 010H*011H*012H
	4J03B		4J02D		2013		05,17		I5H,I6H,013H* 014H*015H
	4J18D		4J17D		2013		19		I7L,010L*011L* 012L
	4J32D		4J30D		2013		19,21		I5L,013L*014L* 015L
	4J25A		4J10A		2040		93		015L,I9H
	4J19A		4J18A		2000		87		I5L
	3J30D		3J28D		2900		13		015H
	3J30A		3J12B		2020		13		011H
	3J29A		3J09E		2020		13		011H
	3J27G		3J02G		2050		12		09H
	3J27E		3J21E		2060		12		014H
	3J29D		3J32D		2013		12		013H,014H,015H
	3J27D		3J25D		2013		12		010H,011H,012H
	3J26F		3J12F		2050		12		010H
	3J29G		3J26G		2040		12		015H
	3J27G		3J10G		2050		12		010H
	3J29E		3J20E		2070		12		013H
	3J12C		3J03C		2070		11		013H
	3J05B		3J22B		2080		19		09H
	4J04D		4J06D		2013		5		013H,014H,015H
	7J29D		7J25A		2020		34		011H
	7J20E		7J23D		2930		34		015H
	7J26B		7J20E		2930		34		06H
	7J16E		7J31E		2070		54		014H

000711	027400	000706	000151	5	
	7J05C	7J04C	2020	28	I7L

000713	027400	000706	000151	6	
	3J24F	3J28F	2900	40	I10L
	7J20G	7J21G	2020	35	I14H

000713	027400	000712	000151	7	
	3J24E	3J12E	2900	40	I10L

000714	027400	000706	000151	8	
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J32C		3J24C		2070		03,14		013H
001000		027400		000000		000151		10	
	4J24G		4J23G		2050		94		I7L,09H,I5L*I6L, I7L*I8L
	4J27E		4J26E		2920		91		015L
001000		027400		000706		000151		11	
FOR FURTHER ISOLATION REFER TO TABLE 8-49.									
	6J27B		6J25B		0400		139,142		I29H
	6J13C		6J15C		0761		137,175		03L*04L
	7J07D		7J06D		2013		23		I7H,I8H,I9H, 010H*011H*012H
	4J23G		4J22G		2050		94		I5L,I8L,I11L, I14L,09H,010H, I5L*I6L,I7L*I8L, I11L*I12L,I13L* I14L*I15L
	4J24F		4J21F		2070		94		014L,015L,I9H, I10H
	7J12G		7J11G		2000		104		I15L,I7H,I8H, 013H*014L,013H
	4J32A		4J30A		2900		89		I9H,013H*015L, 013H
	4J32B		4J30B		2900		102		I12H,06H*08L, 06H
	4J33A		4J34A		2900		102		I9H,013H*015L, 013H
	3J07B		3J06B		2060		23,19		014H,I8L*I9L* I10L
	7J22E		7J21E		2020		36		I6L
	4J18A		4J17A		2000		87		I5L
001000		027400		001000		000151		12	
	3J23G		3J20G		2070		14,41,44,46		013L,I7H
001000		027400		001240		000151		13	
	3J17B		3J16B		2060		47		I12L
	3J19B		3J18B		2050		47,46		I6L
001003		027400		000706		000151		14	
	4J17D		4J16D		2013		19		I5H,013H*014H* 015H
	4J16A		4J15A		2000		85		I9H,I10H
	3J05B		3J22B		2080		19		09H,I10L*I11L* I12L*I13L*I14L* I15L

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TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
001004		027400		000706	000151		16	
	4J21F		4J24F		2070	94		012L, 16H
	4J22G		4J21G		2050	94		I6L

001006		027400		000706	000151		17	
	7J11G		7J10G		2000	104		I15L, 17H, 18H, 013H*014L, 013H

001015		027400		505642	000151		18	
	3J13G		3J07G		2920	35		I5H

001034		505642		145042	000151		19	
	3J25A		3J24A		2013	15		013H*014H*015H

001035		505642		145042	000151		20	
	3J25A		3J24A		2013	15		I5H, I6H

001077		050642		745656	000151		20A	
	3J25A		3J22A		2013	15		013H, 014H, 015H

001156		027400		000706	000151		21	
	3J26A		3J25B		2013	03, 14		I7H, I8H, I9H, 010H*011H*012H
	3J31F		3J09F		2020	03		I5L, I13H, I14H, I15H, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	7J04C		7J05C		2020	28		I9L, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	3J14A		3J12A		2070	08, 27, 107		I10L, 015H

001201		027400		764362	000151		23	
	3J05B		3J22B		2080	19		I12L

001202		027400		000706	000151		25	
	3J29E		3J20E		2070	14, 13, 12		I5L, 011H

001202		027400		777777	000151		26	
	3J30B		3J28B		2900	13		I11L, I12L, 06L* 08H, I7L*I5L* I14L, I10L*I12L* I9L, 08H
	3J27A		3J18A		2060	13, 25, 33		013L, I5H, I6H, I7H
	3J27G		3J12G		2050	12		I15L
	3J29B		3J19B		2050	13		I8H
	3J29C		3J25C		2013	13		I5L, 013L*014L*

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TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
							015L
001203	027400		764362	000151		27	
	3J29G		3J26G	2040	12		I13L
001205	027400		344622	000006		28	
	7J05B		7J03B	2070	28,31,35		013L
	7J09D		7J16D	2060	28,51,53		I8L*I9L*I10L
	7J16G		7J33B	2080	28,49		I14L
001205	027400		344622	000151		29	
	3J15B		3J14B	2930	08,09		I7L
001205	027400		344622	764362		30	
	7J09D		7J16D	2060	28,51,53		014H
001232	027400		000000	000151		31	
	7J11G		7J10G	2000	104		I5L
001241	027400		000000	000151		32	
	3J29G		3J26G	2040	12		I9L,I11L
001243	027400		000000	000151		33	
	3J30C		3J28C	2900	13		I11L,I12L,06L* 08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
001325	027400		000706	000151		34	
	7J19E		7J16E	2070	35,36,52		015H
001573	070707		777777	000151		35	
	3J14C		3J15C	2930	10,11		I9L
001710	027400		000706	000151		36	
	4J04D		4J03D	2013	05		I7L,010L*011L* 012L
001734	000000		000000	000151		37	
FOR FURTHER ISOLATION REFER TO TABLE 8-49.							
	7J24B		7J20B	2020	37		I6L,I7L,I10L, I13H,I14H,I15H, 011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
	7J25A		7J31A	2020	37		I6L,I7L,I10L, I13H,I14H,I15H, 011L*012H,I5L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J25B		7J31B		2020		37		I6L*I7L,I8L*I9L* I10L,C12H I6L,I7L,I10L, I13H,I14H,I15H, O11L*C12H,I5L* I6L*I7L,I8L*I9L* I10L,C12H
	7J25C		7J30C		2020		37		I6L,I7L,I10L, I13H,I14H,I15H, O11L*C12H,I5L* I6L*I7L,I8L*I9L* I10L,C12H
	7J18D		7J15D		2013		06		I7H,I8H,I9H, O10H*C11H*O12H
	7J24D		7J21D		2013		37		I6L,I5H,I6H, O10L*O11L*O12L
	7J22B		7J05B		2070		37		O11L,C12L,O14L, I5H,I6H,I9H
	7J24A		7J21A		2020		37		I7L,I10L,I13H, I14H,I15H,O11L* O12H,I5L*I6L* I7L,I8L*I9L* I10L,C12H
	7J24C		7J30C		2020		37		I6L,I7L,I13H, I14H,I15H,O11L* O12H,I5L*I6L* I7L,I8L*I9L* I10L,C12H
	7J21F		7J20F		2020		36		I15L,I8H,I9H, I10H,O11H*O12L, I13L*I14L*I15L, O11H
	7J22C		7J19C		2060		37		I6L,I9L,O13H, O14H,I5L*I6L* I7L,I8L*I9L* I10L
	7J19E		7J16E		2070		35,36,52		I5L,I6L,O11H, O12H
	7J05E		7J21E		2020		23		I13L,I5H,I6H, I7H,O11H*O12L, O11H
	7J05C		7J30C		2020		28		I5L,I6L,I13H, I14H,I15H
	7J21G		7J20G		2020		36		I14L,I5H,I6H, I7H,I13L*I14L* I15L
	7J03D		7J02D		2013		06		I5H,I6H
	3J12C		3J06C		2070		47,11,30		I6L,O12H

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TABLE 8-17. PROGRAM EXECUTION, PRE AIRAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J20G		3J16G		2070		8,45		I9L,014H
	7J21B		7J20B		2020		37		I13H,I14H,I15H
	7J23B		7J13B		2050		37,54		O9L,I7H,I8H
	7J19D		7J20D		2013		06		O10L*O11L*O12L
	3J07G		3J13G		2920		36		O15L,I8H,I9H, I10H
	7J16G		7J33B		2080		28,49		O5H,I6L*I7L*I8L
	3J14B		3J15B		2930		10,11		I14L
	7J20A		7J11A		2000		37		I15H
	7J04C		7J30C		2020		28		I10L

001735		000000		000000		000151		38	
FOR FURTHER ISOLATION REFER TO TABLE 8-49.									
	7J19A		7J18B		2030		37		O10L,I5H,I6H, I7H,I8H,I9H
	7J21G		7J20G		2020		36		I7L,I13H,I14H, I15H
	7J22C		7J19C		2060		37		O15L,I11H,I12H
	7J23F		7J19F		2060		35,36		I11L,O15H,I11L* I12L
	7J19E		7J16E		2070		35,36,52		O12L,I6H
	7J22B		7J05B		2070		37		I10L,O15H
	7J20A		7J11A		2000		37		I10L
	7J20C		7J14C		2000		37		I10L
	7J21C		7J06E		2000		37		I10L
	7J20B		7J24B		2020		37		I10L
	7J21A		7J03A		2020		37		I10L
	7J21B		7J24B		2020		37		I10L
	7J24A		7J25A		2020		37		I6L

001766		000000		000000		000151		38A	
	3J15G		3J28G		2060		34		O15H

004402		040000		200000		000151		38B	
	8J06B		8J02B		2070		80		O13H

004402		764362		000000		000616		39	
	3J25A		3J24A		2013		15		O10L*O11L*O12L

004403		764362		000000		347775		40	
	3J22G		3J25G		2013		42		I7L

006376		002000		000706		000151		41	
	4J09C		4J08C		2040		83		O15L,I9H,I10H
	4J25D		4J24D		2050		95		I5H,I6H
	4J15E		4J14E		2000		86		I6L

006376		002000		007002		000151		42	

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TABLE 8-17. PROGRAM EXECUTION, PRE AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J07E		8J04E		2050		80		I14L,010H,I11L* I12L,I13L*I14L* I15L

006376	7J11C	013601	7J10C	000343	2000	000151	105	43	I5L

046635	3J27A	027400	3J18A	000706	2060	000151	13,25,33	44	013H

176635	7J05B	000000	7J03B	000000	2070	000151	28,31,35	45	I6L,012H

176637	7J04C	000000	7J05C	000000	2020	000151	28	46	I13H,I14H,I15H

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TABLE 8-18. PROGRAM EXECUTION, PRE AIMAT CONTROL - NO LOOP LIMIT
CONDITION

LOC	SWAP	TYPE	PLATE	FAULT
REFER TO FOLLOWING CARD LIST.				
5J23A	5J22A	0651	164	I40H,I41H,I42H, I44H,I45H,I47H, I48H,I36L,I51L, I52L,I54L
6J24E	6J23E	0651	173	140H,I42H,I44H, I36L,I52L,I54L
5J23C	5J21C	0761	135,138,175	I36H,I27H*I30H
8J03F	8J04F	2050	113	I13H,I14H,I15H
3J08D	3J05D	2060	22	I12L,I10H
3J24B	3J23B	2060	41,15	I11H
3J26C	3J23C	2060	22,35	014H
3J15F	3J23F	2013	9	013H,014H,015H
4J21C	4J24C	2070	95	011H
3J28G	3J21G	2060	12	013H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000002	4J20B	027400	4J21B	000706	2050	000151	96	0	010H
000003	7J10G	505640	7J08G	501501	2000	027250	104	1	15L
000007	7J21F	000000	7J20F	000000	2020	000151	36	2	011L*012H,012H
000007	7J21E	027400	7J05E	000000	2020	000151	36	3	I7L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
000007	7J22E	027400	7J21E	000000	2020	505000	36	4	011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
000007	3J22G	027400	3J25G	001240	2013	000151	42	5	I5L
000060	4J05B	027400	4J06B	775213	2040	000151	110	5A	015H
000401	3J22B	000000	3J20A	000706	2080	000151	41	5B	05H
000401	4J03B	027400	4J09D	000706	2013	000151	17	5C	010H,011H,012H
000402	4J20D	027400	4J21D	000706	2050	000151	95	5D	010H
000601	4J10E	100545	4J09E	000000	2040	000151	83	6	I7L
000612	4J22D	027400	4J23D	000706	2050	000151	95	6A	010H
000615	4J16C	000000	4J15C	000000	2000	000151	85	7	I15L,I9H,I10H, 013H*014L,013H
	4J22D		4J21D		2050		95		I11L,I14L,010H, I11L*I12L,I13L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J33C		4J32C		2900		102		I14L*I15L I12H,06H*08L, 06H
	4J09E		4J08E		2040		83		I11L
000615	4J18C	000177	4J17C	777577	2000	000151	87	8	I15L,013H*014L, 013H
000615	4J21C	000600	4J11C	000600	2070	000151	95	9	012L,I6H
000615	4J09E	777577	4J08E	777577	2040	000151	83	10	I5L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L I5H,I6H
	4J18C		4J17C		2000		87		
000706	7J05B	027400	7J03B	000706	2070	000151	28,31,35	11	I5L,011H
000710	7J21G	000000	7J20G	000000	2020	000151	36	12	011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
000710	6J27A	027400	6J26A	000000	0651	000151	162	14	I48H
000710	3J23E	027400	3J22E	000706	2013	000151	40,43	15	I5H,I6H,013H* 014H*015H
	3J19D		3J10D		2013		05		I5L,013L*014L* 015L
	3J30F		3J29F		2030		14,03		010L,I5H,I6H, I8H,I9H
	3J31E		3J09E		2020		03		I5L,I10L,I14L
	3J20D		3J22D		2013		45		013L*014L*015L
	3J25B		3J26B		2013		15		I6H
	3J29G		3J26G		2040		12		I8L
	4J10E		4J09E		2040		83		I11L
	3J35F		3J22F		2070		4		013H
	3J33D		3J34D		2020		4		011H
	3J33F		3J34F		2060		4		013H,014H,015H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J32F		3J06F		2060		4		015H
	3J35F		3J27F		2070		4		010H, 011H, 012H
	3J34E		3J35E		2013		4		015H
	3J33E		3J25E		2013		4		010H, 011H, 012H
	3J32E		3J22E		2013		4		010H, 011H, 012H
	3J15F		3J25F		2013		8		010H, 011H, 012H
	3J31D		3J02D		2050		3		010H
	7J02D		7J03D		2013		06		17H, 18H, 19H,
	3J27C		3J26C		2060		14		010H*011H*012H
	3J27B		3J20B		2070		14, 15		014L, 18H, 19H,
	3J24D		3J12D		2900		40		110H
	3J18A		3J16A		2060		47		15L, 011H
	7J05C		7J04C		2020		28		06H*08L, 06H
	7J21G		7J20G		2020		36		013H, 15L*16L*
	3J18H		3J11B		2050		47, 48		17L
	3J20G		3J16G		2070		8, 45		011L*012H, 012H
	3J32C		3J24C		2070		03, 14		011H*012L, 011H
	7J05B		7J03B		2070		28, 31, 35		09L, 18H
	3J18G		3J17G		2060		08, 46,		110H
	3J26F		3J12F		2050		14, 12		17L
									115L

G00711	027400	000706	000151					17	
FOR FURTHER ISOLATION REFER TO TABLE 8-50.									
	3J33E		3J32E		2013		04, 05		15L, 010L*011L*
	3J19D		3J10D		2013		05		012L, 013L*014L*
	3J31E		3J09E		2020		03		015L
	3J29F		3J17F		2030		48, 12		17L, 010L*011L*
	3J34A		3J28A		2050		3		012L
	6J25C		5J25C		0260		135		115L
	6J29C		6J31C		0040		136		113L
	6J35C		5J35C		0900		136, 145		010H
	6J17C		6J15C		0761		136, 137, 175		127H, 04L, 129L
	6J37C		6J31C		0040		136, 145		19L, 119L, 017H*
	6J33C		5J35C		0900		136, 135, 145		025H, 112L, 121L,
	7J31D		7J27D		2013		31		122L
									16H, 116H, 017H*
									018H
									026H, 03H*04H
									130H, 131H, 027L*
									028L
									011H*012H
									15H, 16H, 010L*

TABLE E-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LGC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J31F		7J26F		2020		134		011L*012L 18L,114H,115H, 011H*012L,15L* 16L*17L,18L*19L* 110L,012H
	3J21C		3J20C		2060		44		014L,18H,19H, 110H
	7J32C		7J31C		2020		31		15L,113H,114H, 115H
	3J08D		3J05D		2060		22		014L,18H,19H
	3J26D		3J02E		2060		16		15L,013H,15L* 16L*17L
	3J08F		3J22F		2070		16,52,33,12		15L,011H
	3J14A		3J12A		2070		08,27,107		16L,012H
	3J27b		3J20E		2070		14,15		012L,16H
	7J03C		7J16C		2070		22,23		011L,15H
	3J02D		3J31D		2050		16,25		09L,17H,18H
	3J29B		3J19B		2050		13		09L,15H,16H
	3J21D		3J17D		2060		44		013H,15L*16L* 17L
	3J21E		3J19E		2060		44		015H,111L*112L
	3J24B		3J23B		2060		41,15		015L,112H
	3J26C		3J23C		2060		22,35		19L,18L*19L* 110L
	7J23D		7J26B		2930		34		19L
	3J18G		3J17G		2060		08,46,		15L
	3J23D		3J17D		2060		40		112L
	3J27G		3J12G		2050		12		111L
	7J02C		7J18C		2030		23,30		16L

000715		000000		000000		000151		18	
	6J17C		6J15C		0761		136,137,175		06L*018H*024H
	7J10E		7J08E		2000		104		17H,18H

000731		220000		070600		000151		19	
	3J23E		3J22E		2013		40,43		18L

000731		274000		070600		000151		20	
	3J24C		3J12C		2070		44,41,40,14		013L,17H

000777		000000		000000		000151		21	
	8J06G		8J02G		2070		81		19L,014H
	3J24F		3J28F		2900		40		15H

000777		000000		000000		201062		22	
	3J22E		3J13E		2013		41,43		15H,16H,013H*

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
014H*015H									
000777		000017		000006	201062			23	
	3J19G		3J18G		2060		46		014L, 18H, 19H, I10H
	3J19F		3J18F		2060		46		17L, 013H, 15L* 16L*17L
	3J02A		3J07A		2920		21		111H, 112H, 113H, 114H
	3J11E		3J08E		2920		29		015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* I10L
000777		027400		000006	000151			26	
	6J22A		6J21A		0651		165		I48L
	6J22E		6J21E		0651		174		I54H
	6J23C		6J21C		0761		135, 138, 175		I31L, I32L
	7J07A		7J06A		2000		113		I15L, 19H, 110H, 013H*014L, 013H
	3J24E		3J12E		2900		40		114H, 013H*015L, 013H
	8J03G		8J09G		2050		113		15L, 09H, 15L*16L, 17L*18L
	8J07G		8J09G		2050		81		010L, 113H, 114H, 115H
	4J26F		4J24F		2070		91, 94, 100		I10L, 015H
	8J06G		8J02G		2070		81		I7L, 013H
000777		027400		000706	000151			27	
	7J12C		7J11C		2000		105		I5L
	4J27E		4J26E		2920		91		I5L
	4J10F		4J09F		2040		82		I11L
000777		027400		777775	000151			27A	
	4J09G		4J08G		2040		82		15L, 113L, 015H, 15L*16L, 17L*18L, 19L*110L, 111L* I12L, 113L*114L
000777		505642		000006	201062			28	
	3J24A		3J22A		2013		15		15H, 16H, 013H* 014H*015H
001001		027400		000706	000151			29	
	4J15A		4J14A		2000		85		I15L, 19H, 110H,

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									013H*014L,013H
001003	6J21A	027400	6J22A	000001	0651	000151	165	30	144H
001003	4J17A	027400	4J16A	000003	2000	000151	87	32	111L,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
001003	6J13C	027400	6J15C	000706	0761	000151	137,175	33	125L,127L,128L, 130L,131L,132L 154H 148L 154H 148L 154H 146L 154H 15L,112L,09H, 010H,15L*16L, 17L*18L,111L* 112L,113L*114L* 115L
	6J35E		6J34E		0651		167		
	6J36A		6J35A		0651		158		
	6J36E		6J34E		0651		167		
	6J37A		6J35A		0651		157A		
	6J37E		6J34E		0651		166A		
	6J38A		6J21E		0651		157		
	6J38E		6J34E		0651		166		
	8J03A		8J11A		2050		111		
	8J06A		8J11A		2050		79		09L,010L,17H, 18H,113H,114H, 115H 115L,19H,110H, 013H*014L,013H 115L,19H,110H, 013H*014L,013H 115L,19H,110H, 013H*014L,013H 17H,18H,113H, 114H,115H 15L,18L,111L, 015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
	7J06G		7J10G		2000		111		
	7J07G		7J10G		2000		111		
	7J08G		7J10G		2000		111		
	4J20G		4J13G		2050		94		
	4J20E		4J04E		2920		93		
	4J22G		4J23G		2050		94		15L,09H,15L*16L, 17L*18L 15L,09H,15L*16L, 17L*18L
	8J04B		8J03B		2050		111		

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J07A		8J11A		2050		79		010L, I13H, I14H, I15H
	4J24C		4J21C		2070		95		015L, I10H
	4J20D		4J21D		2050		95		I13H, I14H, I15H
	4J21G		4J13G		2050		94		I7H, I8H
	4J23D		4J22D		2050		95		I11L, I14L
	4J22E		4J21E		2920		93		I5H, I6H
	4J15C		4J14C		2000		85		I6H
	4J20F		4J11F		2920		94		I8L
	4J08A		4J07A		2040		84		I5L, I7L, I9L, I11L, I13L, I015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L*I12L, I13L*I14L
	4J09A		4J10A		2040		84		I5L, I7L, I9L, I11L, I13L, I015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L*I12L, I13L*I14L
	4J10G		4J05G		2040		82		I5L, I7L, I10L, I11L, I13L, I015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L*I12L, I13L*I14L
	4J14A		4J17A		2000		85		I15L, I5H, I6H, I013H*I014L, I013H
	4J16A		4J17A		2000		85		I15L, I5H, I6H, I013H*I014L, I013H
	4J17G		4J16G		2000		88		I15L, I5H, I6H, I013H*I014L, I013H
	4J18A		4J17A		2000		87		I15L, I5H, I6H, I013H*I014L, I013H
	4J18G		4J19G		2000		88		I15L, I5H, I6H, I013H*I014L, I013H
	4J19A		4J14B		2000		87		I15L, I5H, I6H, I013H*I014L, I013H
	4J15A		4J17A		2000		85		I5H, I6H
	4J09G		4J07G		2040		82		I10L, I11L
	4J15C		4J14C		2000		85		I5H
	4J08G		4J07G		2040		82		I10L
	4J09E		4J08E		2040		83		I10L

 001003 027400 070600 000151 34
 3J24D 3J12D 2900 40 I11L

001003 027400 376000 000151 35

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J260		4J250		2050		95		010H, I11L* I12L, I13L* I14L* I15L
001004	4J20B	027400	4J12B	000706	2050	000151	96	30	010H, I11L* I12L, I13L* I14L* I15L
001005	4J20G	027400	4J13G	000706	2050	000151	94	37	111L, I14L, 010H, I11L* I12L, I13L* I14L* I15L
001006	6J19C 7J12E 7J31B	027400	6J17C 7J11E 7J25B	000706	0761 2000 2020	000151	135, 136, 138, 175 105 31	38	06L* 018H* 024H 18L, 115H 15L
001012	7J12E	027400	7J11E	000706	2000	000151	105	39	15L
001017	4J18B	027400	4J17B	000706	2000	000151	87	40	111L, 013L* 014H, 17L* 18L, 19L* 110L, I11L* I12L, 014H
001020	7J11E	027400	7J10E	505642	2000	000151	104	41	15L
001051	4J19C	027400	4J18C	000040	2000	000151	87	42	15L
001053	7J10E	027400	7J08E	000706	2000	000151	104	43	18L, 115H
001056	3J23C 3J22F	027400	3J21C 3J08F	505640	2060 2070	000151	41, 44 41	44	014L, 18H, 19H, 110H 15L, 011H
001100	8J04G	000000	7J16G	000000	2080	201062	40, 107	45	09H, 110L* I11L* I12L* I13L* I14L* I15L
001100		0000X7		0000X7		201062		46	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J02B 3J02A		3J06B 3J07A		2060 2920		21,18 21		I7L 015L
001100	6J25B	027400	6J27B	000706	0400	000151	139	47	I27H
001107	7J10G 3J07F	027400	7J08G 3J04F	000706	2000 2920	000151	104 22	48	I8L, I9L 015H
001110	6J23C 6J29C 4J20G 4J22D	027400	6J21C 6J31C 4J13G 4J21D	000706	0761 0040 2050 2050	000151	135, 138, 175 136 94 95	49	046L I31L I6L, I7L I5H, I6H
001110	4J32B	027400	4J30B	341074	2900	000151	102	50	I9L
001111	4J19A 4J20G 4J22G 4J32A 4J33A	027400	4J18A 4J13G 4J21G 4J30A 4J34A	000706	2000 2050 2050 2900 2900	000151	87 94 94 89 102	52	I15H I5L, I8L, 09H, I5L* I6L, I7L* I8L 010L, I13H, I14H, I15H I12L I12L
001121	3J06B	027400	3J07B	001515	2060	000151	17	52A	013H
001130	4J24G	027400	4J23G	000705	2050	000151	94	54	I11H, I12H
001130	4J18B	027400	4J17B	003000	2000	000151	87	54A	I15H
001151	4J32E	070707	4J30E	000000	2900	000151	103	55	I5H
001153	4J16C	027400	4J15C	000706	2000	000151	85	56	I5L, I7L, I9L, I11L, I15H, 013L* 014H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L,

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J10E		4J09E		2040	83		014H
	4J22D		4J21D		2050	95		015L, I9H, I10H
	4J33C		4J32C		2900	102		010L, I13H, I14H,
	4J16C		4J15C		2000	85		I15H
								I12L
								I6L
001200		000000		000726		000151	58	
	4J20D		4J21D		2050	95		I5H, I6H
	4J22D		4J21D		2050	95		I11H, I12H
	4J16C		4J15C		2000	85		I10L
001200		027400		000706		000151	59	
	4J27E		4J26E		2920	91		I8L
001200		503400		000706		000151	60	
	4J20D		4J21D		2050	95		09L
001201		027400		000000		000151	62	
	4J256		4J24G		2050	94		I12L, I13L
001201		027400		000010		000151	63	
	6J34A		6J33A		0651	159		I48L
	6J34E		6J33E		0651	168		I54H
	6J15C		6J13C		0761	137, 175		I31L, I32L
	7J07F		7J06F		2000	111		I15L, I9H, I10H,
	4J256		4J24G		2050	94		013H*014L, 013H
	8J03B		8J04B		2050	111		I5L, I8L, 09H, I5L*
	8J07B		8J04B		2050	79		I6L, I7L*I8L
	4J24F		4J21F		2070	94		I5L, 09H, I5L*I6L,
	4J266		4J27G		2050	94		I7L*I8L
	4J15B		4J14B		2000	85		010L, I13H, I14H,
	4J15B		4J14B		2000	85		I15H
	4J09F		4J08F		2040	82		I02L, I6H
								I13H, I14H, I15H
								I6H
								I5H
								I10L
001201		027400		000070		000151	64	
	4J246		4J23G		2050	94		I7H, I8H
001201		027400		000706		000151	65	
	4J27E		4J26E		2920	91		I6L, I9L, I12L
001201		027400		344622		000151	66	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J22F		4J20F		2920	94		I13L
001201	4J22G	027400	4J21G	764360	2050	94	67	I18L
001202	7J30C	027400	7J25C	000706	2020	31	68	I15L
001205	4J22C	027400	4J20C	344022	2920	95	69	I18H, I19H, I10H
001206	7J11F	027400	7J10F	764362	2000	104	70	I15L
001207	7J12F	027400	7J11F	001252	2000	104	71	I15L
001211	7J10F	027400	7J08F	000000	2000	104	72	I15L, I13H*014L, I13H
001220	3J20F 3J07G	000706	3J19F 3J13G	027400	2060 2920	27,45 36	73	I015L, I11H, I12H I17L
001220	3J23C 3J19F 4J08G 4J09G	027400	3J21C 3J18F 4J07G 4J10G	000000	2060 2060 2040 2040	41,44 46 82 82	99	I013L, I15H, I16H, I17H I16L I17L I17L
001220	4J30G 3J17C 4J16A	027400	4J29G 3J09C 4J15A	000001	2900 2060 2000	99 48 85	100	I112L I17L I16L
001220	4J30G	027400	4J29G	000002	2900	99	101	I19L
001220	4J30G	027400	4J29G	000003	2900	99	102	I110L, I111L
001220	4J21G 4J29G	027400	4J20G 4J28G	000004	2050 2900	94 99	103	I16L, I17L I112L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
					PLATE		
	4J22F		4J20F		94		18L
	4J14A		4J15A		85		16L, 19L
001220	027400		000010		000151	104	
	3J17C		3J09C		2060	48	010H, 15L*16L* 17L
	4J296		4J28G		2900	99	19L
	4J15B		4J14B		2000	85	115L, 013H*014L, 013H
001220	027400		000014		000151	105	
	4J296		4J28G		2900	99	110L, 111L
001220	027400		000020		000151	106	
	4J28G		4J02G		2900	99	112L
001220	027400		000030		000151	107	
	4J246		4J23G		2050	94	111L
001220	027400		000040		000151	108	
	4J28G		4J02G		2900	99	19L
001220	027400		000060		000151	109	
	4J266		4J25G		2050	94	010H, 111L*112L, 113L*114L*115L
	4J28G		4J02G		2900	99	111L
001220	027400		000075		000151	110	
	3J05G		3J15G		2060	17,18	112L
001220	027400		000077		000151	111	
	4J20F		4J11F		2920	94	112L
001220	027400		000100		000151	112	
	4J30F		4J29F		2900	99	112L
001220	027400		000200		000151	113	
	4J30F		4J29F		2900	99	19L
001220	027400		000300		000151	114	
	4J30F		4J29F		2900	99	110L, 111L
001220	027400		000400		000151	115	
	4J29F		4J28F		2900	100,99	112L
001220	027400		000706		000151	116	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J23B		3J21B		2060		41		I12L, C14L, I6H, I9H, I10H, 015H, I11L*I12L
	3J22B		3J05B		2080		41		09L, I10H, I11H, I12H, I13H, I14H, I15H
	3J29B		3J19B		2050		13		I5L, I7L, 09H, I5L* I6L, I7L*I8L
	3J28D		3J24D		2900		12		I12H, 06H*08L, 06H
	3J30C		3J28C		2900		13		I12H, 06H*08L, 06H
	3J21D		3J17D		2060		44		013L, 15H, I6H, I7H
	3J26E		3J21E		2060		15, 16		I11L, 015H, I11L* I12L
	3J22F		3J08F		2070		41		I7L, 013H
	3J23G		3J20G		2070		14, 41, 44, 46		I10L, C15H
	3J27F		3J35F		2070		12		I10L, C15H
	3J27G		3J12G		2050		12		010L, I11H, I12H
	3J19A		3J21A		2160		44		I10L, C15H, I6L* I7L*I8L*I9L* I10L*I11L*I12L* I13L
	3J03D		3J06D		2920		20		015L, 15H, I6H, I7H
	3J18G		3J17G		2060		08, 46,		015H, I11L*I12L
	3J25G		3J22G		2013		16		I7H, I8H, I9H, 010H*011H*012H
	3J22C		3J25C		2013		41, 42		I5H, I6H, 013H* 014H*015H
	3J23A		3J03E		2030		41		I9L, 010H, I5L* I6L*I7L*I8L*I9L
	3J25B		3J26B		2013		15		I6L

001220		027400		001000		000151		117	
	4J24C		4J21C		2070		95		I7L, 013H
	4J25D		4J24D		2050		95		I13H, I14H, I15H
	4J29F		4J28F		2900		100, 99		I9L
	4J16E		4J15E		2000		86		I6L, I9L, I15H

001220		027400		001215		000151		118	
	3J19F		3J20F		2060		46		015L, I11H, I12H
	3J18D		3J16D		2070		47		014L, I9H
	3J18F		3J13F		2060		47		013H, I5L*I6L* I7L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J13G		3J07G		2920		35		18L
001220	027400		001252		000151			119	
	4J27E		4J26E		2920		91		18H,19H,110H
001220	027400		001400		000151			120	
	4J29F		4J28F		2900		100,99		111L
001220	027400		002000		000151			121	
	4J28F		4J02F		2900		100		112L
001220	027400		004000		000151			122	
	4J26D		4J25D		2050		95		09H,15L*16L,17L* 18L
	4J28F		4J02F		2900		100		19L
	4J23C		4J22C		2920		95		19L,113L
001220	027400		004272		000151			123	
	3J16A		3J13A		2060		48,28		013H,15L*16L* 17L
001220	027400		004475		000151			124	
	3J21B		3J17B		2060		44		111L,015H,111L* 112L
	3J02G		3J10G		2050		18		010L,111H,112H
	3J02E		3J04E		2060		18		112L
	3J25E		3J23E		2013		16		17H,18H,19H, 010H*011H*012H
	3J25D		3J22D		2013		16		15H,16H,013H* 014H*015H
	3J08G		3J30F		2030		18,24		114L
001220	027400		005640		000151			125	
	3J17C		3J09C		2060		48		015H,111L*112L
	3J03D		3J06D		2920		20		015H
001220	027400		006000		000151			126	
	4J28F		4J02F		2900		100		111L
001220	027400		007700		000151			127	
	4J20C		4J22C		2920		95		18L,112L
001220	027400		007777		000151			128	
	3J17A		3J14A		2070		47,48		014L,19H
	3J08A		3J10A		2050		17,23		16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001220	4J30E	027400	4J29E	010000	2900	000151	100	129	I12L
001220	4J30E	027400	4J29E	020000	2900	000151	100	130	19L
001220	3J19C	027400	3J20C	027400	2060	000151	45	131	I8L,015L,I11H, I12H,013H,I5L* I6L*I7L
	3J18C		3J17C		2060		47		015L,I11H,I12H
	3J20E		3J18E		2070		45		011L,I5H
	3J19B		3J18B		2050		47,46		09H,I5L*I6L,I7L* I8L
	3J21F		3J20F		2060		44		015H,I11L*I12L
	3J06G		3J03G		2040		17		I6L,I10L,I14L
001220	3J22F	027400	3J08F	027400	2070	027404	41	132	012L,I6H
001220	3J23B	027400	3J24B	027402	2060	000000	41	132A	013H
001220	3J23B	027400	3J21B	027402	2060	027404	41	133	013H,I5L*I6L* I7L
001220	3J17B	027400	3J16B	02740X	2060	000151	47	134	I11L,015H,I11L* I12L
	3J17G		3J15G		2060		47		015L,I11H,I12H
001220	4J30E	027400	4J29E	030000	2900	000151	100	135	I11L
001220	4J21B	027400	4J20B	040000	2050	000151	96	136	09H,I5L*I6L,I7L* I8L
	4J29E		4J28E		2900		100		I12L
001220	4J20B	027400	4J12B	070000	2050	000151	96	137	I5L*I6L,I7L*I8L
001220	6J36A	027400	6J35A	100000	0651	000151	158	138	I36H
	4J29E		4J28E		2900		100		19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001220	4J22F	027400	4J20F	100004	2920	000151	94	139	I6L
001220	3J29F	027400	3J17F	121155	2030	000151	48,12	139A	I12L
001220	3J08C	027400	3J22B	124475	2080	000151	22	140	09L,05H,I10H, I11H,I12H,I13H, I14H,I15H,I6L* I7L*I8L I9L,014H,I8L* I9L*I10L
	3J26D		3J23D		2060		16		
001220	4J29E	027400	4J28E	140000	2900	000151	100	141	I11L
001220	4J24B	027400	4J23B	200000	2050	000151	96	142	I6L,I8L,09H,I5L* I6L,I7L*I8L 09L,I5H,I6H I12L I5L,I6L,I7L,I9L, I11L,I15H,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
	4J25B		4J26B		2050		96		
	4J28E		4J02E		2900		100		
	4J15G		4J14G		2000		86		
001220	3J21A	027400	3J19A	334273	2160	000151	44	143	015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H I7L,013H,I5L* I6L*I7L 014H,I8L*I9L* I10L I9L I10L
	3J21E		3J19E		2060		44		
	3J17B		3J16B		2060		47		
	3J21D		3J17D		2060		44		
	3J05F		3J05E		2040		17		
001220	4J14A	027400	4J15A	341265	2000	000151	85	143A	I15H
001220	3J21D	027400	3J17D	343410	2060	000151	44	144	014H,I6L*I9L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
								I10L
001220	4J24D	027400	4J23D	344474	000151	95	145	I12L, I14L
001220	4J26B	027400	4J25B	400000	000151	96	146	I6L, I7L, 09H, I5L* I6L, I7L*I8L I6L, I9L, I13L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L 015L, I10H 010L, I11H, I12H I9L I5L, I6L, I7L, I9L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H 013H*014H*015H
	4J23A		4J22A	2920		96		
	4J26A		4J24A	2070		98, 93, 96		
	4J27B		4J13C	2050		93, 96		
	4J28E		4J02E	2900		100		
	4J14G		4J15G	2000		86		
	4J03D		4J02D	2013		05		
001220	4J20G	027400	4J13G	400006	000151	94	147	I12L, I13L
001220	3J21F	027400	3J20F	445320	000151	44	148	I7L, 013H, I5L* I6L*I7L I6L
	3J24B		3J23B	2060		41, 15		
001220	3J19A	027400	3J21A	467673	000151	44	149	014L, I5H
001220	4J21D	027400	4J20D	507202	000151	95	150	I12L, I13L
001220	4J23F	027400	4J22F	557735	000151	94	151	I5L
001220	4J26B	027400	4J25B	600000	000151	96	152	I12L, I13L, 010H, I11L*I12L, I13L* I14L*I15L 015L, I10H
	3J04D		3J13D	2070		20, 07, 18		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J21A		4J04A			96		015L, I10H
	4J28E		4J02E			100		I11L
001220		027400		654121	000151		153	
	4J22D		4J21D			95		09H, I5L*I6L, I7L* I8L
001220		027400		654321	000151		153A	
	4J15C		4J14C			85		I5L, I9L, I11L, I15H, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H
001220		027400		700000	000151		154	
	4J21B		4J20B			96		010H, I11L*I12L, I13L*I14L*I15L
001220		027400		757777	000151		154A	
	4J09B		4J08B			84		I9L
001220		027400		770000	000151		155	
	4J20A		4J13A			96		I8L, I12L
001220		027400		773777	000151		155A	
	4J08C		4J07C			83		I9L
001220		027400		775777	000151		155B	
	4J09C		4J08C			83		I9L
001220		027400		777577	000151		155C	
	4J09E		4J08E			83		I9L
001220		027400		777757	000151		155D	
	4J09F		4J08F			82		I9L
001220		027400		777767	000151		155E	
	4J10F		4J09F			82		I9L
001220		027400		777773	000151		155F	
	4J086		4J076			82		I9L
001220		027400		777775	000151		155G	
	4J096		4J086			82		I9L
001220		027400		777776	000151		155H	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J10G		4J09G		2040		82		19L
001220		027400		777777		000151		156	
	6J27B		6J25E		0400		139,142		I19H
	4J31D		4J04C		2060		20,21		013L,15H,16H, I7H
	3J04E		3J02E		2060		20		I9L,014H,18L* I9L*I10L
	3J17A		3J14A		2070		47,48		012L,16H
	3J18D		3J16D		2070		47		012L,16H
	3J17D		3J08D		2060		47		013H,15L*16L* I7L
	3J18C		3J17C		2060		47		013H,15L*16L* I7L
	4J25E		4J13E		2050		91,92		I5H,16H
	4J23E		4J22E		2920		93		I11L
	4J27E		4J26E		2920		91		I11L
	4J03D		4J02D		2013		05		I5H,16H
	4J28D		4J19D		2013		20		I6L,013L*014L* 015L
	3J03F		3J16F		2030		20		I6L,010H,15L* I6L*I7L*I8L*I9L
	4J15A		4J14A		2000		85		I15H
	3J03G		3J06G		2040		18		I12L
001220		027401		000002		000151		157	
	8J02G		8J06G		2070		21,81,121,107		I7L,013H
	3J24E		3J12E		2900		40		I5H
001220		044000		001614		000151		158	
	3J23E		3J22E		2013		40,43		I5L,013L*014L* 015L
001220		103401		000002		000151		159	
	6J21A		6J22A		0651		165		I36H
001220		644446		644446		000151		160	
	3J20E		3J18E		2070		45		I6L,012H
001221		027400		100000		000151		168	
	4J10A		4J09A		2040		84		I9H,I10H
001221		027400		107154		000151		169	
	4J16F		4J15F		2000		86		I12L
001221		027400		000000		000151		175	

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TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J26A		6J25A		0651		163		I48L
	6J26E		6J25E		0651		172		154H
	3J12G		3J10G		2050		29		I8L, 010L, 09H, 113H, 114H, 115H, 15L*16L, 17L*18L
	7J06B		7J07B		2000		113		115L, 19H, 110H, 013H*014L, 013H
	4J35B		4J35C		2220		29		16L, 17L, 18L, 19L, 014H, 16L*17L* 18L
	3J24G		3J28F		2900		40		114H, 013H*015L, 013H
	3J11F		3J10F		2050		29		010L, 113H, 114H, 115H
	8J04F		8J03F		2050		113		15L, 09H, 15L*16L, 17L*18L
	8J06F		8J07F		2050		81		010L, 113H, 114H, 115H
	8J06E		8J25B		2070		80, 81		17L, 013H
	7J11G		7J10G		2000		104		111L
	3J11E		3J08E		2920		29		18L
	4J31E		4J12E		2030		100		010L, 011L, 15H, 16H, 17H, 18H, 19H, 112H, 113H, 114H, 115H
	4J31F		4J35E		2030		99		15H, 16H, 17H, 18H, 19H, 112H, 113H, 114H, 115H
	3J22A		3J15A		2013		13, 43		15H, 16H, 013H* 014H*015H

001221		027400		000002		000151		176	
	6J37A		6J36A		0651		157A		I48H
	7J10D		7J08D		2013		22		17H, 18H, 19H, 010H*011H*012H
	7J03C		7J16C		2070		22, 23		17L, 013H

001221		027400		000010		000151		177	
	7J11F		7J10F		2000		104		115L, 15H, 16H, 013H*014L, 013H

001221		027400		000020		000151		178	
	6J34A		6J33A		0651		159		I36H, I44H

001221		027400		000306		000151		179	
	3J21F		3J20F		2060		44		014H, 18L*19L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I10L
001221		027400		000706		000151		180	
	7J10F		7J08F		2000		104		I5L
001221		027400		001000		000151		181	
	6J29A		6J28A		0651		161		I44H
	8J07C		8J06C		2050		80		I8L,09H,I5L*I6L, I7L*I8L
	4J10C		4J09C		2040		63		015L,19H,I10H
001221		027400		001240		000151		181A	
	3J22C		3J25C		2013		41,42		I9L
001221		027400		004000		000151		182	
	6J35A		6J34A		0651		158		I48L
	6J15C		6J13C		0761		137,175		I27L,I30L
	7J06F		7J07F		2000		111		I15L,19H,I10H, 013H*014L,013H
	8J04B		8J03B		2050		111		I12L,010H,I11L* I12L,I13L*I14L* I15L
	4J21G		4J20G		2050		94		I13H,I14H,I15H
	8J07A		8J06A		2050		79		09L,I7H,I8H
	7J10F		7J08F		2000		104		I5H,I6H
	4J16B		4J15B		2000		85		I6H
	4J16B		4J15B		2000		85		I5H
	4J10F		4J09F		2040		82		I10L
001221		027400		010000		000151		182A	
	4J10B		4J09B		2040		84		I9H,I10H
001221		027400		020000		000151		182b	
	4J09B		4J08B		2040		84		I9H,I10H
001221		027400		040000		000151		182c	
	4J08B		4J07B		2040		84		I9H,I10H
001221		027400		100000		000151		183	
	7J12G		7J11G		2000		104		I5H,I6H
	4J22F		4J20F		2920		94		I9L
001221		027400		200000		000151		183A	
	4J09A		4J08A		2040		84		015L,19H,I10H
001221		027400		346054		000151		184	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J32B		6J31B		0400		140		I30H
001221	7J11C	027400	7J10C	346474	2000	000151	105	185	I6L
001221	4J03F	027400	4J31D	370001	2060	000151	39	186	013L, I5H, I6H, I7H
	7J10B		7J08B		2000		105		I6L
001221	4J08A	027400	4J07A	400000	2040	000151	84	186A	015L, I9H, I10H
001221	8J06E	027400	8J25B	445320	2070	000151	80, 81	187	011L, I5H
	3J24F		3J28F		2900		40		I14L
001221	4J15F	027400	4J14F	470000	2000	000151	86	187A	I12L
	4J09B		4J08B		2040		84		I13H
001221	4J03F	027400	4J31D	614520	2060	000151	39	188	014L, I8H, I9H, I10H
	7J11B		7J10B		2000		105		I6L
001221	6J25B	027400	6J27B	654301	0400	000151	139	189	I36H
001221	4J23D	027400	4J22D	654321	2050	000151	95	190	010L, I11H, I12H
	7J11E		7J10E		2000		104		I6L, I7L
	4J15C		4J14C		2000		85		I6L
	4J09E		4J08E		2040		83		015L, I9H, I10H
	4J15C		4J14C		2000		85		I7L
001221	3J18G	027400	3J17G	777777	2060	000151	08, 46,	191	014L, I8H, I9H, I10H
	4J03F		4J31D		2060		39		015L, I11H, I12H
	3J06C		3J03C		2070		17, 38, 19		013L, I7H
	7J11G		7J10G		2000		104		I6L, I7L
	3J02E		3J04E		2060		18		I10L
	3J26D		3J23D		2060		16		I6L
	7J10A		7J08A		2000		105		I6L
	4J02D		4J03D		2013		38		I7L, 010L*011L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J25E 4J14F		3J23E 4J15F		2013 2000		16 86		012L I9L I12L
001222	4J19A	027400	4J18A	764362	2000	000151	87	192	I7L
001222	4J16A	027400	4J15A	764363	2000	000151	85	193	I15H
001222	4J23G	027400	4J22G	777777	2050	000151	94	194	I11H, I12H
001224	4J22F	027400	4J20F	341265	2920	000151	94	195	015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L I5H, I6H
001224	4J23G	027400	4J22G	2050	2050	000151	94	195	
001226	4J17G	027400	4J17B	000000	2000	000151	88	196	I5L, I6L, I11L, I15H, I13L*I14H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I14H
	4J18G		4J17B		2000		88		I5L, I6L, I11L, I15H, I13L*I14H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I14H
	3J25D		3J22D		2013		16		I7H, I8H, I9H, 010H*011H*012H
	4J16D		4J15D		2013		18		I7H, I8H, I9H, 010H*011H*012H
	4J35D		4J31C		2030		29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
	4J35E		4J31E		2030		29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
	4J06D		4J05D		2013		17, 26		I5H, I6H, 013H* 014H*015H

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J14F		4J14E		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J14G		4J17B		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J15E		4J14E		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J15F		4J14E		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J15G		4J17B		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J16F		4J14E		2000		86		I15L,I7H,I8H, 013H*014L,013H
	4J16G		4J17B		2000		86		I15L,I7H,I8H, 013H*014L,013H
	3J03G		3J06G		2040		16		015L,I11H,I12H
	3J05F		3J05E		2040		17		015L,I9H,I10H
	4J14A		4J17B		2000		85		17H,18H
	4J14B		4J17B		2000		85		17H,18H
	4J14C		4J19B		2000		85		17H,18H
	4J15A		J17B		2000		85		17H,18H
	4J15B		4J17B		2000		85		17H,19H
	4J15C		4J19B		2000		85		17H,18H
	4J16A		4J17B		2000		85		17H,18H
	4J16B		4J17B		2000		85		17H,18H
	4J16C		4J19B		2000		85		17H,18H
	4J16E		4J14E		2000		86		17H,18H
	4J08A		4J07A		2040		84		17H,18H
	4J08B		4J07B		2040		84		17H,18H
	4J08E		4J07E		2040		83		17H,18H
	4J08F		4J07F		2040		82		17H,18H
	4J08G		4J07G		2040		82		17H,18H
	4J09A		4J07A		2040		84		17H,18H
	4J09B		4J07B		2040		84		17H,18H
	4J09E		4J07E		2040		83		17H,18H
	4J09F		4J07F		2040		82		17H,18H
	4J09G		4J07G		2040		82		17H,18H
	4J10A		4J25A		2040		84		17H,19H
	4J10B		4J05C		2040		84		17H,18H
	4J10E		4J05F		2040		83		17H,18H
	4J10F		4J05G		2040		82		17H,18H
	4J10G		4J05G		2040		82		17H,18H
	4J17A		4J17B		2000		87		16L
	4J17C		4J14E		2000		87		16L
	4J17E		4J14E		2000		88		16L
	4J17F		4J14E		2000		88		16L
	4J18A		4J17B		2000		87		16L

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J18C		4J14E		2000		87		I6L
	4J18E		4J14E		2000		88		I6L
	4J18F		4J17B		2000		88		I6L
	4J19A		4J17B		2000		87		I6L
	4J19C		4J14E		2000		87		I6L
	4J19E		4J14E		2000		88		I6L
	4J19F		4J17B		2000		88		I6L
	4J19G		4J17B		2000		88		I6L
	4J08C		4JU7C		2040		83		I8H
	4JU9C		4JU7C		2040		83		I8H
	4J10C		4JU5E		2040		83		I8H

001226	027400	000600	000151				200		
FOR FURTHER ISOLATION REFER TO TABLE 8-50.									
IF ISOLATION FAILS SEE SYMPTOM 196.									
	6J21A		6J21E		0651		165		140H, 141H, 142H, 148H, 136L, 152L
	6J35C		5J35C		0900		136, 145		123H, 127H, 131H, 15L, I6L, I15L, I16L, 021H*022H, 029H*030H, 035H* 036H, 09L*010L, 017L*018L
	6J22A		6J21E		0651		165		140H, 141H, 142H, 136L, 152L
	6J24A		6J21E		0651		164		140H, 142H, 148H, 136L, 152L
	6J25A		6J21E		0651		163		140H, 141H, 142H, 136L, 152L
	6J33A		6J21E		0651		159		140H, 142H, 148H, 136L, 152L
	6J34A		6J21E		0651		159		140H, 142H, 148H, 136L, 152L
	6J35A		6J21E		0651		158		140H, 142H, 148H, 136L, 152L
	6J38A		6J21E		0651		157		140H, 142H, 148H, 136L, 152L
	6J33C		5J35C		0900		136, 135, 145		123H, 127H, 131L, 14L, I15L, I16L, 021H*022H, 029H* 030H, 035H*036H, 09L*010L, 011L* 012L
	6J23A		6J21E		0651		164		140H, 142H, 136L, 152L
	6J26A		6J21E		0651		163		140H, 142H, 136L,

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J27A		6J21E		0651		162		152L 140H, I42H, I36L, 152L
	6J28A		6J21E		0651		162		140H, I42H, I36L, 152L
	6J29A		6J21E		0651		161		140H, I42H, I36L, 152L
	6J30A		6J21E		0651		161		140H, I42H, I36L, 152L
	6J31A		6J21E		0651		160		140H, I42H, I36L, 152L
	6J32A		6J21E		0651		160		140H, I42H, I36L, 152L
	6J36A		6J21E		0651		158		140H, I42H, I36L, 152L
	6J37A		6J21E		0651		157A		140H, I42H, I36L, 152L
	6J23C		5J23C		0761		135, 138, 175		045H, 052H, 053H, 154H, 012L, 024L
	6J27C		5J27C		0280		135		112L, I24L, 032L, 06H, 010L
	6J13C		5J23C		0761		137, 175		045H, 052H, 053H
	6J15C		5J23C		0761		137, 175		045H, 052H, 053H
	6J37C		6J31C		0040		136, 145		110H, I11H, 015L* 020L
	6J17C		5J23C		0761		136, 137, 175		052H
	6J19C		5J23C		0761		135, 136, 138, 175		052H
	6J21C		5J23C		0761		135, 136, 138, 175		052H
	4J11C		4J21C		2070		83, 84		15L, I6L, I7L, I9L, I10L, 011H, 012H, 013H, 014H, 015H
	4J11E		4J13D		2070		82, 83		15L, I6L, I7L, I9L, I10L, 011H, 012H, 013H, 014H, 015H
	6J29C		6J31C		0040		136		I33L
	4J10D		4J12D		2070		84, 101, 82		15L, I6L, I9L, I10L, 011H, 012H, 014H, 015H
	4J11D		4J12D		2070		83, 101		15L, I6L, I9L, I10L, 011H, 012H, 014H, 015H
	3J12F		3J11F		2050		29		09L, 010L, I7H, I8H, I13H, I14H, I15H
	4J35C		4J35B		2220		21, 29		I10L, I11L, I12L, I13L, 015H, I10L*

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TABLE 3-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J12D		3J24D		2900		29		I11L*I12L I14H,013H*015L, 013H
	4J20E		4J12B		2050		96		I5L,I8L,I11L, I14L
	4J21E		4J22B		2050		96		I5L,I8L,I11L, I14L
	4J26E		4J25B		2050		96		I5L,I8L,I11L, I14L
	4J26D		4J25D		2050		95		I5L,I8L,I11L, I14L
	3J06A		3J11A		2060		19,38		015L,I11H,I12H
	3J06F		3J13F		2060		17		I9L,014H,I8L* I9L*I10L
	3J04D		3J13D		2070		20,07,18		I9L,014H
	3J14G		3J09G		2070		55,35,29		I7L,013H
	3J20A		3J22E		2080		44,45		I10L,09H,I10L* I11L*I12L*I13L* I14L*I15L
	3J21A		3J19A		2160		44		I6L,015H,I6L* I7L*I8L*I9L* I10L*I11L*I12L* I13L
	3J04F		3J07F		2920		18		I7L,015H,I5L* I6L*I7L,I8L*I9L* I10L
	4J14E		4J15E		2000		86		I7H,I8H
	4J26G		4J25G		2050		94		I5L,I8L
	4J17E		4J16B		2000		87		I6L
	4J18H		4J16B		2000		87		I6L
	4J19E		4J14C		2000		87		I6L
	3J05D		3J22E		2080		19		I11L
	3J11E		3J08E		2920		29		I12L

001226	027400	001226	000151				201		
	6J23A		6J22A		0651		164		I48H

001226	027400	003177	000151				202		
	4J22D		4J21D		2050		95		I6L,I8L

001226	027400	003706	000151				203		
	3J17C		3J09C		2060		48		I11L
	3J22C		3J25C		2013		41,42		I8L

001226	027400	005640	000151				204		
	3J28G		3J21G		2060		12,48		015L,I11H,I12H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J03D		3J06D		2920		20		I10L
001226	4J28F	027400	4J02F	006000	2900	000151	100	205	I10L
001226	3J16F	027400	3J17F	027400	2030	000151	48	205A	010H
	3J16F		3J03F		2030		48		010H, I5L* I6L* I7L* I8L* I9L
001226	4J28E	027400	4J02E	200000	2900	000151	100	206	I10L
001226	3J19A	027400	3J21A	707070	2160	000151	44	207	015L, I6H, I7H, I8H, I9H, I10H, I11H, I12H, I13H
	3J21E		3J19E		2060		44		I8L, I14H, I8L* I9L* I10L
	3J21D		3J17D		2060		44		I7L
	3J23B		3J21B		2060		41		I9L
	3J03D		3J06D		2920		20		I5L
001226	4J15B	027400	4J14B	764362	2000	000151	85	207A	I15H
001226	3J23B	706070	3J21B	707071	2060	000151	41	208	I7L
001232	6J37A	027400	6J36A	000000	0651	000151	157A	211	I36H
001232	4J20D	027400	4J21D	000001	2050	000151	95	212	010L
001232	3J13F	027400	3J06F	424242	2060	000151	29,28	213	I5L, I7L, I013H, I5L* I6L* I7L
	3J21F		3J20F		2060		44		013L, I5H, I6H, I7H
	3J24B		3J23B		2060		41,15		013L, I5H, I6H, I7H
	3J21B		3J17B		2060		44		015L, I11H, I12H
	3J22F		3J08F		2070		41		I9L, I014H
	3J12E		3J24E		2900		29		013H* I015L, I013H
	3J21A		3J19A		2160		44		I5L, I014H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J02G		3J10G		2050		18		I12L
	3J13E		3J23E		2013		05,29		I7H,I8H,I9H 010H*011H*012H
	3J25F		3J23F		2013		16		I5H,I6H,013H* 014H*015H
	3J22E		3J23E		2013		41,43		I7L
	3J25A		3J24A		2013		15		I6L
	3J23A		3J03E		2030		41		I6L
	3J05F		3J05E		2040		17		I9L
	3J13E		3J23E		2013		05,29		I7H,I8H,I9H 010H*011H*012H
	3J25F		3J23F		2013		16		I5H,I6H,013H* 014H*015H
	3J22E		3J23E		2013		41,43		I7L
	3J25A		3J24A		2013		15		I6L
	3J23A		3J03E		2030		41		I6L
	3J05F		3J05E		2040		17		I9L
001232		027400		600003		000151		213A	
	4J15A		4J14A		2000		85		I6L
001233		000000		424242		000151		214	
	6J25A		6J24A		0651		163		I36H
001233		027400		000000		000151		219	
	6J32A		6J31A		0651		160		I48L
	6J32E		6J31E		0651		169		I54H
	6J38A		6J37A		0651		157		I36H
	6J17C		6J15C		0761		136,137,175		I30L
	7J06E		7J07E		2000		112		I15L,I9H,I10H, 013H*014L,013H
	8J03C		8J07C		2050		112		I5L,09H,I5L*I6L, I7L*I8L
	8J06C		8J07C		2050		80		010L,I13H,I14H, I15H
	3J17D		3J08D		2060		47		I8L,014H,I8L* I9L*I10L
	3J18D		3J16D		2070		47		011L,I5H
	4J20D		4J21D		2050		95		I7H,I8H
	4J22D		4J21D		2050		95		I12L,I13L
	4J33C		4J32C		2900		102		I5H
	4J16C		4J15C		2000		85		I6H
	4J16C		4J15C		2000		85		I5H
	3J05F		3J05E		2040		17		I12L
	4J10E		4J09E		2040		83		I10L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001233	6J26A	027400	6J25A	010000	0651	000151	163	220	I36H
001233	3J21F	027400	3J20F	400242	2060	000151	44	221	I9L
001233	3J22G	027400	3J25G	404242	2013	000151	42	221A	010L*011L*012L
001233	3J12D	027400	3J24D	424242	2900	000151	29	222	I9L, I11L, 013L* 015H, I7L*15L* I14L, I10L*112L* I9L, 015H I8L, I11L, I14L, 09H, 010H, I5L* I6L, I7L*18L, I11L*112L, I13L* I14L*115L 013L, I5H, I6H, I7H 015L, I11H, I12H 013L, I7H I11H, I12H, I13H, I14H I5H, I6H, I7H 015L I11L
	3J12F		3J11F		2050		29		
	3J13F		3J06F		2060		29, 28		
	3J23C		3J21C		2060		41, 44		
	3J14G		3J09G		2070		55, 35, 29		
	3J11E		3J08E		2920		29		
	4J22F		4J20F		2920		94		
	4J35C		4J35B		2220		21, 29		
	3J05A		3J04A		2040		19		
001233	6J37A	027400	6J36A	600003	0651	000151	157A	223	I44H I8L, 09H, I5L*16L, I7L*18L 015L, I9H, I10H
	8J06A		8J03A		2050		79		
	4J09G		4J08G		2040		82		
001234	4J53D	027400	4J32D	344622	2013	000151	19, 21	224	I5L
001236	3J20D	000000	3J19D	000011	2013	505000	45	225	010L*011L*012L
001236	7J11G	027400	7J10G	000004	2000	000151	104	229	I5H, I6H
001236	3J20A	027400	3J05B	070707	2080	000151	44, 45	230	09L, I10H, I11H,

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J21D		3J17D		2060		44		I12H, I13H, I14H; I15H I12L, 015H, I11L*
	3J20E		3J18E		2070		45		I12L I9L, 014H
	3J22G		3J25G		2013		42		I6L, 013L*014L* 015L

001236		027400		077777		000151		231	
	7J10G		7J08G		2000		104		I5H, I6H
	3J25D		3J22D		2013		16		I9L

001236		027400		444444		000151		232	
	4J22F		4J20F		2920		94		I5L

001236		027400		707070		000151		233	
	6J25B		6J27B		0400		139		I39H, I33L, I35L, I36L
	6J31B		6J32B		0400		143, 147		I35H, I39L, I41L, I42L
	6J29A		6J28A		0651		161		I48H
	6J29B		6J27B		0400		143		I42H
	3J05B		3J22B		2080		19		I6L, 09L, 05H, I10H, I11H, I12H, I13H, I14H, I15H, I6L*I7L*I8L
	3J16B		3J08B		2060		48, 27, 36		013L, I5H, I6H, I7H
	3J06A		3J11A		2060		19, 38		I12L, 015H, I11L* I12L
	3J16A		3J13A		2060		48, 28		014H, I8L*I9L* I10L
	3J18A		3J27A		2060		47		015H, I11L*I12L
	3J06B		3J02B		2060		17		I12L
	4J18D		4J19D		2013		19		I5H, I6H, 013H* 014H*015H
	4J17D		4J16D		2013		19		I6L, 013L*014L* 015L
	3J05A		3J04A		2040		19		015L, I13H, I14H
	3J05L		3J09D		2040		17		I6L

001237		000000		000000		000151		234	
	3J20E		3J18E		2070		45		I7L, 013H
	3J20G		3J16G		2070		8, 45		I5L, 011H
	7J09G		7J03G		2070		36, 53		011L

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
001237	027400	000000	000151	236	
FOR FURTHER ISOLATION REFER TO TABLE 8-50.					
6J32B	6J31B	0400	140		125H,127L,129L, 130L
6J21C	6J19C	0761	135,136,138,175		010H,120L,019L* 010H*012H
6J34B	6J25D	0400	140,142		133H
7J12C	7J11C	2000	105		115L,15H,16H, 013H*014L,013H
4J03C	4J04C	2060	39		014L,18H,19H, 110H
4J31D	4J04C	2060	20,21		16L,17L,013H, 15L*16L*17L
3J04C	3J02C	2060	20		18L,014H,18L* 19L*110L
3J04E	3J02E	2060	20		17L,013H,15L* 16L*17L
4J14E	4J15E	2060	86		115L,013H*014L, 013H
3J12C	3J06C	2070	47,11,30		15L,011H
3J20E	3J18E	2070	45		015L,110H
4J13D	4J12D	2070	20,101		15L,011H
4J24C	4J21C	2070	95		014L,19H
3J05G	3J15G	2060	17,18		17L,18L
3J18F	3J13F	2060	47		014H,18L*19L* 110L
7J10C	7J08C	2000	105		16L,17L
7J12E	7J11E	2000	105		15H,16H
4J21D	4J20D	2050	95		17H,18H
4J23D	4J22D	2050	95		15L,18L
4J02E	4J28E	2900	39		15L
4J02G	4J28G	2900	39		17L
4J14C	4J15C	2000	85		16H
7J10E	7J08E	2000	104		16L
7J11A	7J10A	2000	105		16L
7J02A	7J12B	2160	22		16L
7J10D	7J11D	2013	22		010H,011H,012H
7J03C	7J16C	2070	22		013H
4J27D	4J25D	2050	95		010H
4J28D	4J19D	2013	20		15H,16H,013H* 014H*015H
4J29D	4J30D	2013	20		15H,16H,013H* 014H*015H
3J03F	3J16F	2030	20		010L,15H,16H, 17H,18H,19H
4J03D	4J02D	2013	05		15L,013L*014L*

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J14C		4J15C		2000		85		015L
	4J16G		4J15G		2000		86		15H
	4J08E		4J07E		2040		83		112L
									110L
001237		027400		005640		000151		236A	
	3J17C		3J18C		2060		48		015H
001237		027400		707070		000151		237	
	3J126		3J106		2050		29		09L, 111L, 114L, 17H, 18H, 010H, 111L*112L, 113L* 114L*115L
	3J11F		3J10F		2050		29		114L, 010H, 111L* 112L, 113L*114L* 115L
	3J22F		3J08F		2070		41		110L, 015H
	3J11E		3J08E		2920		29		015L, 18H, 19H, 110H
	4J35B		4J35C		2220		29		014L
	3J02A		3J07A		2920		21		112L
001241		027400		000000		000151		238	
	3J22C		3J25C		2013		41, 42		17H, 18H, 19H, 010H*011H*012H
	3J25G		3J22G		2013		16		15H, 16H, 013H* 014H*015H
	3J29F		3J17F		2030		48, 12		010L, 15H, 16H, 17H, 18H, 19H
	3J29G		3J26G		2040		12		015L, 19H, 110H
	3J28E		3J24E		2900		12		112H, 06H*08L, 06H
	3J19H		3J18H		2050		47, 46		010L, 113H, 114H, 115H
	3J166		3J146		2070		09, 35, 9, 48		110L, 015H
	3J27F		3J22F		2070		12		17L, 013H
	3J26D		3J23D		2060		16		18L
	3J08C		3J22B		2080		22		16L
001241		027400		001240		000151		240	
	3J21F		3J20F		2060		44		16L
001241		027400		001241		000151		241	
	3J17C		3J09C		2060		48		112L
001246		027400		000000		000147		242	
8-458	CHANGE 7								

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J20D		3J19D		2013		45		I8L
001246	027400	000000			000151			268	
FOR FURTHER ISOLATION REFER TO TABLE 8-50.									
	6J27C		5J27C		0280		135		I37H,I11L,I14L, I15L,I16L,023L, I29L,I39L,I41L, I42L,028H,020H, 026H,047H
	6J29C		6J31C		0040		136		I10H,I11H,I19H, I23H,I41H,015L* 020L,017L*025L
	6J25C		5J25C		0260		135		04H
	6J19C		6J17C		0761		135,136,138,175		026H,026L,I34L
	6J37C		6J31C		0040		136,145		I29L,027H*028H, I30L,I32L
	6J23B		6J23D		0421		140		I48H,I48L
	6J36B		6J23D		0421		143		I46H,I46L
	7J06D		7J04D		2013		23		I5L,I7H,I8H,I9H, 010H*011H*012H
	3J20B		3J27B		2070		46,45,44		I5L,011H
	7J03C		7J16C		2070		22,23		I6L,012H
	3J04B		3J03B		2920		21		015L,I11H,I12H, I13H,I14H
	3J02B		3J06B		2060		21,18		I6L
	3J16A		3J13A		2060		48,28		I6L
	3J17C		3J09C		2060		48		I6L
	3J21D		3J17D		2060		44		I8L
	3J22C		3J25C		2013		41,42		I5L,013L*014L* 015L
	4J06D		4J04D		2013		17,26		I7L,010L*011L* 012L
	3J08A		3J10A		2050		17,23		010L,I11H,I12H
	3J22D		3J20D		2013		41,42		I7L
	3J226		3J25G		2013		42		I8L
	4J05D		4J04D		2013		17,26		010L*011L*012L
	4J07D		4J09D		2013		17,26		010L*011L*012L
	4J08D		4J09D		2013		17,26		010L*011L*012L
001246	027400	000202			000151			268A	
	3J22D		3J20D		2013		41,42		I9L
001246	027400	000240			000151			269	
	6J29A		6J28A		0651		161		I44L
	6J29E		6J28E		0651		170		I53H
	4J29F		4J28F		2900		100,99		I9H,013H*015L,

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J06C		7J07C		2000		112		013H
	4J07C		4J06C		2040		109		I7H, I8H
									I5L, I7L, I9L,
									I11L, I14L, 015H,
									I5L*I6L, I7L*I8L,
									I9L*I10L, I11L*
									I12L, I13L*I14L
	4J10C		4J09C		2040		83		I12L
001246		027400		001000		000151		270	
	3J18F		3J13F		2060		47		I6L
	3J21F		3J20F		2060		44		I11L
	3J19B		3J18B		2050		47, 46		I5L
001246		027400		001040		000151		271	
	6J31A		6J30A		0651		160		I44L
	6J31E		6J30E		0651		169		I53H
	4J30F		4J29F		2900		99		I9H, 013H*015L,
									013H
	7J07E		7J06E		2000		112		I7H, I8H
	4J06E		4J05E		2040		109		I5L, I7L, I9L,
									I11L, I14L, 015H,
									I5L*I6L, I7L*I8L,
									I9L*I10L, I11L*
									I12L, I13L*I14L
	4J09E		4J08E		2040		83		I12L
001246		027400		001200		000151		272	
	6J33A		6J32A		0651		159		I44L
	6J33E		6J32E		0651		168		I53H
	6J15C		6J13C		0761		137, 175		052L
	4J28G		4J02G		2900		99		I9H, 013H*015L,
									013H
	7J08F		7J07F		2000		111		I7H, I8H
	4J05F		4J06F		2040		108		I5L, I7L, I9L,
									I11L, I14L, 015H,
									I5L*I6L, I7L*I8L,
									I9L*I10L, I11L*
									I12L, I13L*I14L
	4J08F		4J07F		2040		82		I12L
001246		027400		001240		000151		273	
	6J27B		6J25B		0400		139, 142		I39H, I33L, I35L,
									I36L
	4J27D		4J13E		2050		92, 95		I11L, I14L, 010H,
									I11L*I12L, I13L*

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATL	SYMPTOM	FAULT
	4J24C		4J21C		207L		95		114L*115L
	4J14E		4J15E		200C		86		011L,15H
	7J12F		7J11F		2000		104		15H,16H
	4J26D		4J25D		2050		95		16L,17L
	3J11E		3J08E		292C		29		17H,18H
	4J14B		4J15B		2000		85		19L
	4J15C		4J14C		2000		95		18L,19L
	4J16E		4J15E		2000		86		18L
	3J08G		3J30F		2030		18,24		113L
	4J08C		4J07C		2040		83		110L
	4J08F		4J07F		2040		82		18L
	4J09E		4J08E		2040		83		18L
	4J10C		4J09C		2040		83		18L

001246		027400		001241		000151		274	
	7J06G		7J07G		2000		111		18L
	3J04B		3J03B		2920		21		111L
	4J07G		4J06G		2040		108		015L,113H,114H
	4J10G		4J09G		2040		92		111H,112H
	4J16A		4J15A		2000		85		19L

001246		027400		001242		000151		275	
	3J23B		3J21B		2000		41		015L,111H,112H
	3J23G		3J20G		2070		14,41,44,46		19L,014H
	3J22B		3J05B		2080		41		114L,09H,110L*
									111L*112L*113L*
									114L*115L
	7J07G		7J06G		2000		111		18L,19L
	3J27G		3J12G		2050		12		112L
	4J06G		4J05G		2040		108		015L,113H,114H
	4J09G		4J08G		2040		82		111H,112H

001246		027400		001243		000151		276	
	3J07A		3J02A		2920		23		111L

001246		027400		001244		000151		277	
	7J08G		7J07G		2000		111		18L,19L
	4J05G		4J06G		2040		108		015L,113H,114H
	4J08G		4J07G		2040		82		111H,112H

001246		027400		001250		000151		278	
	7J06F		7J07F		2000		111		18L
	4J07F		4J06F		2040		108		015L,113H,114H
	4J10F		4J09F		2040		82		111H,112H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
001246		027400		001260	000151		279	
	7J07F		7J06F		2000	111		I&L, I9L
	4J06F		4J05F		2040	108		015L, 113H, 114H
	4J09F		4J08F		2040	82		111H, 112H
001246		027400		001260	000151		280	
	7J07D		7J06D		2013	23		010L+011L+012L
001246		027400		001340	000151		281	
	4J26E		4J24E		2920	91		15H, 16H, 17H
	7J06E		7J07E		2000	112		I&L
	4J07E		4J06E		2040	109		015L, 113H, 114H
	4J10E		4J09E		2040	83		111H, 112H
001246		027400		001640	000151		282	
	7J08E		7J07E		2000	112		I&L, I9L
	4J05E		4J06E		2040	109		015L, 113H, 114H
	4J08E		4J07E		2040	83		111H, 112H
001246		027400		003240	000151		283	
	7J07C		7J06C		2000	112		I&L
	4J06C		4J05C		2040	109		015L, 113H, 114H
	4J09C		4J08C		2040	83		111H, 112H
001246		027400		005240	000151		284	
	7J08C		7J07C		2000	112		I&L, I9L
	4J05C		4J06C		2040	109		015L, 113H, 114H
	4J08C		4J07C		2040	83		111H, 112H
001246		027400		005640	000151		285	
	7J08D		7J07D		2013	23		I&L, 013L+014L+015L
001246		027400		011240	000151		286	
	4J10F		4J09F		2040	84		111H, 112H
	7J06E		7J07E		2000	112		I&L
	4J07E		4J06E		2040	110		015L, 113H, 114H
001246		027400		021240	000151		287	
	4J09E		4J08E		2040	84		111H, 112H
	7J07E		7J06E		2000	112		I&L
	4J06E		4J05E		2040	110		015L, 113H, 114H
001246		027400		041240	000151		288	
	7J08E		7J07E		2000	112		I&L, I9L
	4J05E		4J06E		2040	110		015L, 113H, 114H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J08B		4J07B		2040		84		I11H,I12H
001246		027400		101240		000151		289	
	4J07A		4J06A		2040		110		015L,I13H,I14H
	4J10A		4J09A		2040		84		I11H,I12H
	7J06A		7J07A		2000		113		I8L,I9L
001246		027400		201240		000151		290	
	7J07A		7J06A		2000		113		I8L,I9L
	4J06A		4J05A		2040		110		015L,I13H,I14H
	4J09A		4J08A		2040		84		I11H,I12H
001246		027400		341240		000151		291	
	7J08D		7J07D		2013		23		I7L,010L*011L* 012L
001246		027400		341246		000151		292	
	6J27C		5J27C		0260		135		I34H,04CL
	3J14A		3J12A		2070		08,27,107		015L,I7H
	3J26D		3J23D		2060		16		I7L
	7J09A		7J13A		2050		107		09L
	3J10A		3J08A		2050		107		I5L,I7L,09H,I5L* I6L,I7L*I8L
001246		027400		344622		000151		293	
	4J26G		4J25G		2050		94		I11L,I14L
	4J02F		4J28F		2900		39		I7L
001246		027400		345640		000151		294	
	7J04D		7J03D		2013		23,106		I9L,010L*011L* 012L
	3J19F		3J18F		2060		46		I8L,014H,I8L* I9L*I10L
	3J18E		3J20E		2070		48,46		011L,I5H
	3J09A		3J07A		2920		23		015L,I5H,I6H, I7H
001246		027400		345666		000151		295	
	6J29C		6J31C		0040		136		I11L,I16L,I18L
	6J27C		5J27C		0280		135		I39H,047L
	3J12A		3J14A		2070		03,07,09,53		I5L,011H
	7J31F		7J26F		2020		134		I5L
001246		027400		401240		000151		296	
	7J08A		7J07A		2000		113		I8L
	4J05A		4J06A		2040		110		015L,I13H,I14H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J08A		4J07A		2040		84		I11H, I12H
001246	4J14B	027400	4J15B	764362	2000	000151		296A	I15H
001246	3J06B	027400	3J02B	777777	2060	000151		297	013L, 15H, 16H, 17H
	3J06C		3J03C		2070		17, 38, 19		15L, 011H
	4J09D		4J08D		2013		17, 26		17H, 18H, 19H, 010H*011H*012H
	4J07D		4J06D		2013		17, 26		15H, 16H, 013H* 014H*015H
001246	4J09F	424242	4J08F	424242	2040	000151		298	I12L
001247	3J16G	027400	3J14G	000000	2070	000151		300	013L, 17H
	4J32B		4J30B		2900		09, 35, 9, 48		I5L
	3J11A		3J06A		2060		102		17L
	7J12G		7J11G		2000		27, 30		I6L
001247	6J36A	027400	6J35A	000004	0651	000151		301	144H
	8J07A		8J06A		2050		158		I14L, 010H, I11L*
	4J08G		4J07G		2040		79		I12L, I13L* I14L* I15L
							82		015L, 19H, I10H
001247	3J24E	027400	3J12E	000706	2900	000151		302	I7L
001262	7J31D	027400	7J27D	000000	2013	000151		303	I9L
	3J18F		3J13F		2060		31		I9L
							47		
001273	7J30C	707070	7J25C	070007	2020	000151		304	I6L
	7J31B		7J25B		2020		31		I7L
001300	6J32B	000000	6J31B	000000	0400	000151		305	I19L
001300	3J16F	000000	3J17F	777767	2030	000151		305A	011H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
001300	6J38A	000001	6J37A	000013	000151	157	306	142L
001300	6J36A	000004	6J35A	000016	000151	158	307	142L
001300	6J34A	000020	6J33A	000032	000151	159	308	142L
001300	6J30A	000400	6J29A	000412	000151	161	309	142L
001300	6J29A	001000	6J28A	001012	000151	161	310	142L
001300	6J28A	002000	6J27A	002012	000151	162	311	142L
001300	6J26A	010000	6J25A	010012	000000	163	312	142L
001300	3J16A 4J03F	346132	3J13A 4J31D	507201	000151 2060 2060	48,28 39	313	18L 19L
001300	6J21A	400000	6J22A	400012	000151	165	314	142L
001301	3J20A	000000	3J05B	000012	000151	2060	44,45	17L
001306	4J26L	003001	4J24E	000017	000151	2920	91	16L, 19L, 112L
001306	4J21C	027400	4J11C	006047	000151	2070	95	16L, 012H
001353	4J10G	000000	4J09G	000001	000151	2040	82	15H, 16H
001353	4J09G	000000	4J02G	000002	000151	2040	82	15H, 16H
001353	4J08G	000000	4J07G	000004	000151	2040	82	15H, 16H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001353	4J10F	000000	4J09F	000010	2040	000151	82	321	15H,16H
001353	4J09F	000000	4J08F	000020	2040	000151	82	322	15H,16H
001353	4J08F	000000	4J07F	000040	2040	000151	82	323	15H,16H
001353	4J10E	000000	4J09E	000100	2040	000151	83	324	15H,16H
001353	4J09E	000000	4J08E	000200	2040	000151	83	325	15H,16H
001353	4J08E	000000	4J07E	000400	2040	000151	83	326	15H,16H
001353	4J10C	000000	4J09C	001000	2040	000151	83	327	15H,16H
001353	4J09C	000000	4J08C	002000	2040	000151	83	328	15H,16H
001353	4J08C	000000	4J07C	004000	2040	000151	83	329	15H,16H
001353	3J10E	000000	3J10E	004602	2060	000151	48	330	014L,18H,19H, 110H
001353	4J10B	000000	4J09B	010000	2040	000151	84	331	15H,16H
001353	4J09B	000000	4J08B	020000	2040	000151	84	332	15H,16H
001353	4J08B	000000	4J07B	040000	2040	000151	84	333	15H,16H
001353	4J10A	000000	4J09A	100000	2040	000151	84	334	15H,16H
001353	4J09A	000000	4J08A	200000	2040	000151	84	335	15H,16H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
001353	4J08A	000000	4J07A	400000	000151	84	336	I5H, I6H
001353	4J05D	000000	4J04D	777777	000151	17,26	337	I5H, I6H, 013H* 014H*015H
	3J06F		3J13F	2060		17		I6L, 013H, I5L* I6L*17L
	3J18C		3J17C	2060		47		I12L, 015H, I11L* I12L
	3J06G		3J03G	2040		17		015L, I9H, I10H
	3J04C		3J02C	2060		20		013H
	3J19B		3J18B	2050		47,46		09L
001353	4J28C	000001	4J02C	000001	000151	97	338	I12L
	4J16A		4J15A	2000		85		I8L
001353	4J28C	000002	4J02C	000002	000151	97	339	I9L
	4J15A		4J14A	2000		85		I8L
001353	4J28C	000003	4J02C	000002	000151	97	340	I10L
001353	4J28C	000003	4J02C	000003	000151	97	341	I7L, I11L
001353	4J29C	000004	4J28C	000004	000151	97	342	I12L
	4J14A		4J15A	2000		85		I8L
	4J08G		4J07G	2040		82		I8L
001353	4J29C	000010	4J28C	000010	000151	97	343	I9L
	4J16B		4J15B	2000		85		I8L
001353	4J29C	000014	4J28C	000014	000151	97	344	I10L, I11L
001353	4J30C	000020	4J29C	000020	000151	97	345	I12L
	4J15B		4J14B	2000		85		I8L
001353		000040		000040	000151		346	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
	4J30C		4J29C		2900	97	I9L
001353	4J30C	000060	4J29C	000060	000151	347	I7L,I11L
001353	4J28B	000100	4J04B	000100	000151	348	I12L
	4J16C		4J15C		2000	85	I8L
	4J16F		4J09E		2040	83	I&L
001353	4J28B	000200	4J04B	000200	000151	349	I9L
001353	4J28B	000300	4J04B	000300	000151	350	I7L,I10L,I11L
001353	4J29E	000400	4J28B	000400	000151	351	I12L
	4J14C		4J15C		2000	85	I&L
	4J0&E		4J07E		2040	83	I8L
001353	4J29B	001000	4J28B	001000	000151	352	I9L
001353	4J29B	001400	4J28B	001400	000151	353	I10L,I11L
001353	4J30B	002000	4J29B	002000	000151	354	I12L
	4J15E		4J14E		2000	86	I&L
	4J09C		4J0&C		2040	83	I&L
001353	4J30B	004000	4J29B	004000	000151	355	I9L,I10L
	4J14E		4J15E		2000	86	I&L
	4J08C		4J07C		2040	83	I&L
001353	3J03B	005640	3J04B	004602	000151	356	015H
	3J04A		3J05A		2040	20	I9L
001353	4J30B	006000	4J29B	006000	000151	357	I7L,I11L
001353	4J2&A	010000	4J29A	010000	000151	358	I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J16F		4J15F		2000		86		I8L
	4J10B		4J09B		2040		84		I8L
001353		020000		020000		000151		359	
	4J28A		4J29A		2900		98		I9L
	4J15F		4J14F		2000		86		I8L
	4J09B		4J08B		2040		84		I8L
001353		027400		027400		000151		360	
	3J03B		3J04B		2920		20		015L, I8H, I9H, I10H
	3J21C		3J20C		2060		44		015H, I11L* I12L
	4J34B		4J33B		2900		102		I14L
001353		030000		030000		000151		361	
	4J28A		4J29A		2900		98		I11L
001353		040000		040000		000151		362	
	4J29A		4J28A		2900		98		I12L
	4J14F		4J15F		2000		86		I8L
001353		044047		044147		000151		363	
	6J32A		6J31A		0651		160		I48H
001353		100000		100000		000151		364	
	4J29A		4J28A		2900		98		I9L
	4J16G		4J15G		2000		86		I8L
001353		140000		140000		000151		365	
	4J29A		4J28A		2900		98		I11L
001353		200000		200000		000151		366	
	4J30A		4J29A		2900		98		I12L
	4J15G		4J14G		2000		86		I8L
	4J18G		4J17G		2000		88		I9L
001353		353535		424242		000151		366A	
	3J22E		3J23E		2013		41		010H, 011H, 012H
	3J10A		3J09A		2050		107		09H
001353		353536		777777		000151		367	
	3J19B		3J18B		2050		47, 46		I5H, I6H
001353		357536		777776		000151		368	
	6J29C		6J31C		0040		136		I34L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
001353		373535		373535	000151		369	
	4J28D		4J19D		2013	20		I&L,010L*011L* 012L
	3J03F		3J16F		2030	20		I12L,I12L*I13L* I14L
	4J09E		4J08E		2040	84		I5L
001353		373740		777775	000151		370	
	3J23G		3J20G		2070	14,41,44,46		015L,110H
	3J19F		3J18F		2060	46		I9L
001353		377535		377535	000151		371	
	4J31D		4J04C		2060	20,21		014L,18H,I10H
	3J03F		3J16F		2920	20		011H
001353		400000		400000	000151		372	
	4J30A		4J29A		2900	98		I9L
	4J14G		4J15G		2000	86		I&L
	4J17G		4J16G		2000	88		I7L
	7J08A		7J07A		2000	113		I9L
	4J08A		4J07A		2040	84		I&L
001353		424242		424242	000151		373	
	3J04F		3J07F		2920	18		I10L
001353		600000		600000	000151		374	
	4J30A		4J29A		2900	98		I11L
001353		770000		770000	000151		375	
	7J06B		7J07B		2000	113		I9L
001353		776000		776000	000151		376	
	7J07C		7J06C		2000	112		I9L
001353		776424		004602	000151		377	
	3J17E		3J03E		2030	48		010H,I5L*I6L* I7L*I&L*I9L
001353		776424		773175	000151		378	
	3J17E		3J07E		2030	48		011H,I12L*I13L* I14L
001353		777000		777000	000151		379	
	4J07C		4J06C		2040	109		015L,I13H,I14H
	7J06C		7J07C		2000	112		I&L,I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001353		777600		777600		000151		380	
	4J06E		4J05E		2040		109		015L,I13H,I14H
	7J07E		7J06E		2000		112		18L

001353		777700		777700		000151		381	
	7J06E		7J07E		2000		112		19L

001353		777740		777740		000151		382	
	4J05F		4J06F		2040		108		015L,I13H,I14H
	7J08F		7J07F		2000		111		18L,I9L

001353		777740		777775		000151		383	
	7J07D		7J06D		2013		23		18L

001353		777757		777757		000151		384	
	6J29C		6J31C		0040		136		027H*028H

001353		777770		777770		000151		385	
	7J06F		7J07F		2000		111		19L

001353		777777		377777		000151		386	
	4J24A		4J21A		2070		96		011L,I5H

001353		777777		777777		000151		387	
	3J04D		3J13D		2070		20,07,18		011L
	4J31D		4J04C		2060		20,21		19H
	7J06G		7J07G		2000		111		19L
	3J03F		3J16F		2030		20		011H

001354		424243		424242		000151		388	
	4J19A		4J18A		2000		87		19L

001361		000000		000000		000151		389	
	4J28D		4J19D		2013		20		17H,18H,19H, 010H*011H*012H
	4J29D		4J30D		2013		20		17H,18H,19H, 010H*011H*012H
	4J28A		4J32A		2900		98		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J28B		4J04B		2900		97		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J28C		4J02C		2900		97		19H,112H,06H* 08L,013H*015L, 06H,013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J29A		4J32A		2900		98		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J29B		4J04B		2900		97, 98		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J29C		4J02C		2900		97		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J30A		4J32A		2900		98		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J30E		4J32B		2900		98		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J30C		4J32C		2900		97		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J20E		4J12B		2050		96		I7H, I8H, I13H, I14H, I15H
	4J22B		4J21B		2050		96		I12L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	4J23B		4J24B		2050		96		I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
	4J25D		4J24D		2050		95		I5L, I8L, 09H, I5L* I6L, I7L*I8L
	4J27E		4J13C		2050		93, 96		I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
	4J31D		4J04C		2060		20, 21		I8L, I9L, 014H, I8L*I9L*I10L
	3J03F		3J16F		2030		20		011L, I12H, I13H, I14H, I15H
	3J04E		3J02E		2060		20		I12L, 015H, I11L* I12L
	3J21E		3J19E		2060		44		015L, I11H, I12H
	4J13D		4J12D		2070		20, 101		I6L, 012H
	4J24A		4J21A		2070		96		015L, I10H
	4J24C		4J21C		2070		95		012L, I6H
	8J06G		8J02G		2070		81		012L, I6H
	4J26D		4J27D		2050		95		I13H, I14H, I15H
	3J22C		3J25C		2013		41, 42		I6L
	3J04C		3J02C		2060		20		015H, I11L*I12L
	4J14G		4J15G		2000		86		I5H, I6H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J15E		4J14E		2000		86		15H,16H
	4J15F		4J14F		2000		86		15H,16H
	4J16F		4J17F		2000		86		15H,16H
	4J26B		4J25B		2050		96		17H,18H
	3J19C		3J18C		2060		45		17L
	3J21C		3J20C		2060		44		111L
	3J21D		3J17D		2060		44		16L
	4J15B		4J14B		2000		85		19L
	7J11F		7J10F		2000		104		17L
	8J04G		7J16G		2080		40,107		110L
	4J08A		4J07A		2040		84		16L
	4J08B		4J07B		2040		84		16L
	4J08C		4J07C		2040		83		16L
	4J08E		4J07E		2040		83		16L
	4J08F		4J07F		2040		82		16L
	4J08G		4J07G		2040		82		16L
	4J09A		4J07A		2040		84		16L
	4J09B		4J07B		2040		84		16L
	4J09C		4J07C		2040		83		16L
	4J09E		4J07E		2040		83		16L
	4J09F		4J07F		2040		82		16L
	4J09G		4J07G		2040		82		16L
	4J10A		4J25A		2040		84		16L
	4J10B		4J05C		2040		84		16L
	4J10C		4J05E		2040		83		16L
	4J10E		4J05F		2040		83		16L
	4J10F		4J05G		2040		82		16L
	4J10G		4J05G		2040		82		16L

001361		000004		000000		000151		390	
	4J05G		4J06G		2040		108		15L,17L,19L, 111L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
	4J29G		4J28G		2900		99		112H,06H*08L, 06H
	7J08G		7J07G		2000		111		17H,18H

001361		000100		000000		000151		391	
	6J32A		6J31A		0651		160		153H
	4J07E		4J06E		2040		109		15L,17L,19L, 111L,114L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J30F		4J29F		2900		99		I12H, C6H*08L, 06H I7H, I8H
	7J06E		7J07E		2000		112		

001361		000400		000000		000151		392	
	4J05E		4J06E		2040		109		I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L I12H, C6H*08L, 06H I7H, I8H
	4J29F		4J28F		2900		100, 99		
	7J08E		7J07E		2000		112		

001361		002000		000000		000151		393	
	4J06C		4J05C		2040		109		I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L I12H, C6H*08L, 06H I7H, I8H
	4J28F		4J02F		2900		100		
	7J07C		7J06C		2000		112		

001361		004000		000000		000151		394	
	4J05C		4J06C		2040		109		I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L I9H, 013H*015L, 013H I7H, I8H
	4J28F		4J02F		2900		100		
	7J08C		7J07C		2000		112		

001361		010000		000000		000151		395	
	4J07B		4J06B		2040		110		I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L I12H, 06H*08L, 06H I7H, I8H
	4J30E		4J29E		2900		100		
	7J06B		7J07B		2000		113		

001361		020000		000000		000151		396	
	6J25A		6J24A		0651		163		I53H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4JU6B		4J05B		2040		110		15L, I7L, I9L, I11L, I14L, 015H, 15L*I6L, I7L*I8L, 19L*I10L, I11L* I12L, I13L*I14L
	4J30E		4J29E		2900		100		I9H, 013H*015L, 013H
	7J07B		7J06B		2000		113		I7H, I8H
001361	4J22D	027400	4J21D	000000	2050	000151	95	397	15L
001361	4J26E	027400	4J24E	347775	2920	000151	91	398	I8H, I9H, I10H
001361	3J18A	050505	3J16A	000001	2060	000151	47	399	I6L
001361	6J21A 4J05A	400000	6J22A 4J06A	000000	0651 2040	000151	165 110	400	I53H 15L, I7L, I9L, I11L, I14L, 015H, 15L*I6L, I7L*I8L, 19L*I10L, I11L* I12L, I13L*I14L
	4J28E		4J02E		2900		100		I9H, 013H*015L, 013H
	7J08A		7J07A		2000		113		I7H, I8H
001364	4J33C	027400	4J32C	000000	2900	000151	102	401	I5L
001364	3J18G 3J06G	353535	3J17G 3J03G	707070	2060 2040	000151	08, 46, 17	402	I11L I9L
001365	4J18A	353537	4J17A	707072	2000	000151	87	403	I7L, I9L
001405	7J11E	424242	7J10E	777777	2000	000151	104	404	I8L
001406	4J08A	024242	4J07A	777777	2040	000151	84	406	I10L
001406		027400		000706		000151		407	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J30A		6J29A		0651		161		I48H
	4J21D		4J20D		2050		95		I6L,I7L,09L,I5H, I6H
	4J23D		4J22D		2050		95		09L,I5H,I6H,I7H, I8H
	4J22C		4J20C		2920		95		I6L,I8L,I13L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	4J21C		4J11C		2070		95		I9L,014H
	4J24C		4J26C		2070		95		I9L,014H
	4J32E		4J30E		2900		103		I12L
	4J14C		4J15C		2000		85		I6L
	4J14C		4J15C		2000		85		I5L,I7L,I9L, I10L,I11L,I15H, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
	4J06E		4J07E		2040		83		015L,I9H,I10H
001406		404242		777777		000151		408	
	4J09B		4J08B		2040		84		I10L
001406		424242		000000		000151		409	
	3J05A		3J04A		2040		19		I8H
001406		424242		007777		000151		410	
	3J24A		3J22A		2013		15		I7H,I8H,I9H, 010H*011H*012H
	3J02E		3J04E		2060		18		014L,I8H,I9H, I10H
	3J18G		3J17G		2060		08,46,		I9L,014H,I8L* I9L*I10L
001406		424242		177777		000151		411	
	3J04D		3J13D		2070		20,07,18		I10L,015H
001406		424242		377777		000151		412	
	4J14G		4J15G		2000		86		I9H,I10H
001406		424242		424242		000151		413	
	3J17C		3J09C		2060		48		015L,I11H,I12H
	3J28G		3J21G		2060		12,48		I12L,015H,I11L* I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J16C		3J33C		2050		48,53		I7H, I8H
	3J03D		3J06D		2920		20		I8H, I9H, I10H
	8J04G		7J16G		2080		40,107		I11L
001406		424242		577777		000151		414	
	4J15G		4J14G		2000		86		I9H, I10H
001406		424242		607777		000151		415	
	4J16D		4J15D		2013		18		I5H, I6H
	3J02E		3J06B		2060		21,18		I11L, I015H, I11L* I12L
001406		424242		627777		000151		416	
	4J16D		4J15D		2013		18		013H*014H*015H
001406		424242		677777		000151		417	
	4J03C		4J04C		2060		39		I9L, I014H, I8L* I9L*I10L
	4J16G		4J15G		2000		86		I11H, I12H
001406		424242		737777		000151		418	
	4J03F		4J31D		2060		39		I11L, I015H, I11L* I12L
	4J14F		4J15F		2000		86		I11H, I12H
001406		424242		757777		000151		419	
	4J03F		4J31D		2060		39		I8L, I014H, I8L* I9L*I10L
	4J15F		4J14F		2000		86		I11H, I12H
	4J22B		4J21B		2050		96		I5L
001406		424242		767777		000151		420	
	4J03F		4J31D		2060		39		I5L, I013H, I5L* I6L*I7L
	4J16F		4J15F		2000		86		I11H, I12H
001406		424242		773777		000151		421	
	4J23C		4J22C		2920		95		I5L
001406		424242		777777		000151		422	
FOR FURTHER ISOLATION REFER TO TABLE 8-50.									
	6J21A		6J24A		0651		165		I44L, I47L
	6J22A		6J24A		0651		165		I44L, I47L
	6J23A		6J24A		0651		164		I44L, I47L
	6J23C		6J21C		0761		135, 138, 175		045L, 052L, 053L
	6J25A		6J24A		0651		163		I44L

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J26A		6J27A		0651		163		I44L
	6J25B		6J27B		0400		139		I35H
	4J11C		4J21C		2070		83,84		013L,014L,015L, 17H,19H,110H
	4J11D		4J12D		2070		83,101		011L,014L,15H, 19H
	4J10D		4J12D		2070		84,101,82		011L,15H
	4J11E		4J13D		2070		82,83		011L,15H
	4J10B		4J09B		2040		84		I10L
001406	4J22A	464242	4J20A	737777	2920	000151	96	423	15L
001406	6J32B	764746	6J31B	777777	0400	000151	140	424	127H
001412	4J17A	353535	4J16A	000000	2000	000151	87	425	19L
001412	4J17A	424242	4J16A	000000	2000	000151	87	426	17L
001412	4J17G	424242	4J16G	003777	2000	000151	88	427	19L
001412	4J09A	424242	4J08A	203777	2040	000151	84	428	113H,114H
001412	4J08A	424242	4J07A	403777	2040	000151	84	429	113H,114H
001412	3J02E	424242	3J04E	773777	2060	000151	19	430	18L
001417	3J25C	424242	3J22C	003535	2013	000151	43,15	431	15L,013L*014L* 015L
	3J16C		3J33C		2050		48,53		15L,17L,09H,15L* 16L,17L*18L
	3J05F		3J05E		2040		17		17H,18H
	3J05C		3J07C		2920		19		17L
001417	4J24B	424242	4J23B	153535	2050	000151	96	432	09L,17H,18H
	4J25B		4J26B		2050		96		16L,17L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001417		424242		253535		000151		433	
	4J24A		4J21A		2070		96		013L, I7H
	4J25B		4J24B		2050		96		I11L, I14L
001417		424242		313535		000151		434	
	4J21A		4J04A		2070		96		014L, I9H
	4J23B		4J22B		2050		96		I6L, I7L
	4J22A		4J20A		2920		96		I9L
001417		424242		343535		000151		435	
	4J22B		4J21B		2050		96		I11L, I14L
001417		424242		347272		000151		436	
	3J03D		3J06D		2920		20		I8L
001417		424242		353534		000151		437	
	4J22G		4J21G		2050		94		I11L, I14L
001417		424242		353535		000151		437A	
	4J21F		4J24F		2070		94		011H
001417		424242		353536		000151		438	
	4J04B		4J02B		2900		27		I9L, I11L, I14L,
	3J13A		3J11A		2060		27		013L*015H, 015H
	3J16B		3J08B		2060		48, 27, 36		013H, 014H, I5L*
	4J04C		4J03C		2060		27, 38		I6L*I7L, I8L*I9L*
	3J20F		3J19F		2060		27, 45		I10L
	4J20F		4J11F		2920		94		014L, I8H, I9H,
									I10H
									013L, I5H, I6H,
									I7H
									I6L, 013H, I5L*
									I6L*I7L
									015L
001417		424242		353537		000151		439	
	4J21F		4J24F		2070		94		I5L, 011H
	4J22G		4J21G		2050		94		I7H, I8H
001417		424242		353572		000151		440	
	4J18D		4J17D		2013		19		I6L
001417		424242		357272		000151		441	
	3J24A		3J22A		2013		15		I6L
	4J29D		4J28D		2013		20		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
C01417	4J22B	424242	4J21B	373535	2050	000151	96	442	I7H, I8H
001417	4J24A	424242	4J21A	753535	2070	000151	96	443	I5L, 011H
	4J26A		4J11C		2070		98, 93, 96		I9L, 014H
	4J23A		4J22A		2920		96		015L, I11H, I12H, I13H, I14H
	4J27B		4J13C		2050		93, 96		I13H, I14H, I15H
	4J26B		4J25B		2050		96		I5H, I6H
001417	7J10F	762120	7J08F	003445	2000	000151	104	444	I6L
001417	7J11F	777707	7J10F	004443	2000	000151	104	445	I6L
C01423	3J12E	424242	3J24E	000000	2900	000151	29	446	I11L, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H
	3J11E		3J08E		2920		29		I13L
001423	3J33E	424242	3J32E	005476	2013	000151	04, 05	447	I7L
C01423	6J28A	424242	6J27A	775777	0651	000151	162	448	I48L
	6J28E		6J27E		0651		171		I54H
	6J19C		6J17C		0761		135, 136, 138, 175		I32L
	7J07C		7J06C		2000		112		I15L, I9H, I10H, 013H*014L, 013H
	8J03E		8J02E		2050		112		I5L, 09H, I5L*I6L, I7L*I8L
	8J07E		8J04E		2050		80		010L, I13H, I14H, I15H
	4J09C		4J08C		2040		83		I10L
C01423	4J20E	424242	4J04E	777777	2920	000151	93	449	I6L, I9L, I12L
	4J21E		4J22E		2920		93		I6L, I9L, I12L
	4J23E		4J22E		2920		93		I6L, I9L, I12L
	4J24E		4J26E		2920		92		I6L, I9L, I12L
001510		027400		001706		000151		450	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J22C		4J20C		2920		95		15H,16H,17H
001532		000001		677777		000151		451	
	3J14G		3J09G		2070		55,35,29		19L,014H
	3J12G		3J10G		2050		29		111H,112H
001532		000001		774000		000151		452	
	3J11F		3J10F		2050		29		15L,18L
001532		000001		774140		000151		453	
	3J11F		3J10F		2050		29		09H,15L*16L,17L* 18L
	3J12G		3J10G		2050		29		15H,16H
001532		000002		000006		000151		454	
	3J12G		3J10G		2050		29		16L,17L,112L, 113L
	3J14G		3J09G		2070		55,35,29		014L,19H
	3J11F		3J10F		2050		29		09L,17H,18H
001532		070707		000002		000151		455	
	3J11F		3J10F		2050		29		113L
001532		070707		000006		000151		456	
	3J11F		3J10F		2050		29		112L
	4J35B		4J35C		2220		29		015L
001532		070707		000011		000151		457	
	4J31B		4J12C		2030		98		010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	4J31C		4J12C		2030		97		010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	4J35B		4J35C		2220		29		110L,111L,112L, 113L,015H,110L* 111L*112L
	3J11F		3J10F		2050		29		111H,112H
001532		070707		000040		000151		458	
	3J22F		3J08F		2070		41		015L,110H
	3J11E		3J08E		2920		29		110L
001532		070707		000140		000151		459	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
	3J11F		3J10F	2050	29		16L,17L
001532	070707		000220	000151	460		
	3J11F		3J10F	2050	29		15H,16H
001532	070707		350006	000151	461		
	4J19E		4J18E	2000	87		19L
001532	070707		374140	000151	462		
	4J26B		4J25B	2050	96		09L
001532	070707		774000	000151	463		
	7J10E		7J08E	2000	104		17L
001532	424242		000200	000151	464		
	4J26E		4J24E	2920	91		111H,112H,113H, 114H
001550	000002		350006	000151	465		
	4J19B		4J18E	2000	87		17L
001550	070707		000037	000151	466		
	4J22C		4J20C	2920	95		19L
001550	070707		353535	000151	467		
	3J18C		3J17C	2060	47		013L,15H,16H, 17H
	3J19A		3J21A	2160	44		19L
001550	070707		424242	000151	468		
	3J04E		3J02E	2060	20		014L,18H,19H, 110H
	3J17A		3J14A	2070	47,48		16L,012H
	4J32A		4J30A	2900	89		15L
	4J33A		4J34A	2900	102		15L
	4J31D		4J04C	2060	20,21		15L
	3J03D		3J06D	2920	20		16L
001550	343435		656564	000151	469		
	8J04G		7J16G	2080	40,107		115L
001555	070707		777775	000151	470		
	3J18F		3J13F	2060	47		16L
001561	070707		000405	000151	471		
	3J30D		3J28D	2900	13		111L,112L,06L*

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J25G		3J22G		2013		16		08H,08H 17L,010L*011L* 012L
	3J26E		3J21E		2060		15,16		015L,111H,112H
001561		070707		070707		000151		472	
	3J18D		3J16D		2070		47		15L,011H
	3J05F		3J05E		2040		17		111H,112H
001561		070707		707070		000151		473	
	3J17D		3J08D		2060		47		15L,014L,18H, 19H,110H
	3J19A		3J21A		2160		44		111L
	3J05F		3J05E		2040		17		111L
001561		343437		434340		000151		474	
	8J04G		7J16G		2080		40,107		114L
001565		070707		607070		000151		475	
	4J34B		4J33B		2900		102		17L
001572		070707		353535		000151		476	
	4J19C		4J18C		2000		87		17L
	3J20A		3J05B		2080		44,45		112L
001572		070707		424242		000151		477	
	3J17D		3J08D		2060		47		110L,013L,15H, 16H,17H
	3J02E		3J04E		2060		18		015L,111H,112H
	3J23C		3J21C		2060		41,44		112L,015H,111L* 112L
	3J12C		3J06C		2070		47,11,30		011L,15H
	3J18D		3J16D		2070		47		16L,012H
	4J14D		4J09D		2013		18		17L
	3J05A		3J04A		2040		19		111H,112H
	3J19A		7J02A		2160		44		18L
	3J21A		7J02A		2160		44		18L
001572		070707		424652		000151		478	
	3J20F		3J19F		2060		27,45		19L,014H,18L* 19L*110L
	3J20G		3J16G		2070		8,45		012L,16H
	3J03G		3J06G		2040		18		17H,18H
001605		000000		353535		000151		479	
	3J04C		3J02C		2060		20		111L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
001605		004412		357127	000151	480	
	4J03A		4J31A	2050	33		I6L, I8L
001605		027400		000706	000151	481	
	4J21C		4J11C	2070	95		I7L, 011L, 15H, 013H
	4J20D		4J21D	2050	95		I12L, I13L
	3J28G		3J21G	2060	12,48		I6L
001605		027400		024706	000151	482	
	4J22C		4J20C	2920	95		I5L
001605		363567		357127	000151	483	
	4J02A		3J31F	2020	33		I6L, I8L, 011L* 012H, I5L*16L* I7L, I8L*19L* I10L, 012H
	4J04A		4J21A	2070	47,33		014L, I9H
	4J03A		4J31A	2050	33		09H, I5L*16L, I7L* I8L
	3J04A		3J05A	2040	20		I14L
001605		424242		424242	000151	484	
	4J24C		4J21C	2070	95		I10L, 015H
	4J23D		4J22D	2050	95		I13H, I14H, I15H
	4J20D		4J21D	2050	95		I11H, I12H
	4J15C		4J14C	2000	85		I10L
001605		424242		777777	000151	485	
	4J33C		4J32C	2900	102		I9L
001605		707070		000000	000151	486	
	3J06G		3J03G	2040	17		I13L
001605		707070		050505	000151	487	
	3J25F		3J23F	2013	16		I9L
	3J18A		3J16A	2060	47		I7L
001605		707070		353535	000151	488	
	3J21F		3J20F	2060	44		I6L, 014L, I8H, I9H, I10H
	3J19A		3J21A	2160	44		I6L
	3J05F		3J05E	2040	17		I5L
001605		707070		404040	000151	489	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J25F		3J23F		2013		16		17H, 18H, 19H, 010H*011H*012H
	3J25G		3J22G		2013		16		19L
	3J05A		3J04A		2040		19		19H, 110H
	3J23C		3J21C		2060		41,44		111L
001605		707070		404041		000151		490	
	6J36A		6J35A		0651		158		148H
001605		707070		424242		000151		491	
	3J19A		3J21A		2160		44		15L, 014H
	3J06G		3J03G		2040		17		113H, 114H
001605		707070		454545		000151		492	
	4J18G		4J17G		2000		88		17L
001605		707070		474747		000151		493	
	3J05F		3J05E		2040		17		15H, 16H
001605		707070		757575		000151		494	
	3J25F		3J23F		2013		16		17L
001606		027400		000706		000151		495	
	4J18C		4J17C		2000		87		115H
001620		070707		000000		000000		496	
	3J21G		3J19G		2060		45		19L, 015L, 111H, 112H, 014H, 18L* 19L*110L
001620		070707		000000		000151		497	
	3J15A		3J22A		2013		05		15L, 013L*014L* 015L
	3J32D		3J29D		2013		05		15L, 013L*014L* 015L
	3J05F		3J05E		2040		17		113H, 114H
	3J04E		3J02E		2060		20		15L
	3J13C		3J10C		2020		11		114L
001620		070707		001616		000151		498	
	3J25C		3J22C		2013		43,15		19L, 010L*011L* 012L
001620		070707		004414		000151		499	
	3J14E		3J15E		2930		10,11		19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001620		070707		005640		000151		500	
	3J14D		3J15D		2930		10,11		I9L,I7H,013L* 015H,I9L*I10L, 015H
	3J14E		3J15E		2930		10,11		I7H,013L*015H, 015H
	3J13C		3J10C		2020		11		I13H,I14H,I15H
001620		070707		006100		000151		501	
	8J06B		8J02B		2070		79,80		011L,15H
	3J23F		3J15F		2013		40		I&L
	3J24F		3J28F		2900		40		I12L
	3J03G		3J06G		2040		18		I9H,I10H
001620		070707		070707		000151		502	
	8J06B		8J02B		2070		79,80		I9L,014H
	3J24G		3J28F		2900		40		I9H
001620		070707		353535		000151		503	
	3J25C		3J22C		2013		43,15		I7H,I8H,I9H, 010H*011H*012H
	3J14D		3J15D		2930		10,11		I9H,013H*015L, I7L*I14L,013H
	3J14E		3J15E		2930		10,11		I9H,013H*015L, I7L*I14L,013H
	3J13C		3J10C		2020		11		I5H,I6H,I7H, 011H*012L,I13L* I14L*I15L,011H
	3J16F		3J03F		2030		48		011L,I12H,I13H, I14H,I15H
	3J16E		3J10E		2060		48		I11L,015H,I11L* I12L
	8J06E		8J25B		2070		80,81		I10L,015H
	3J24E		3J12E		2900		40		I9H
001620		070707		420242		000151		504	
	3J13C		3J10C		2020		11		I5L
001620		070707		426642		000151		505	
	4J16D		4J15D		2013		18		I9L
001620		070707		707070		000151		506	
	3J16F		3J03F		2030		48		I6L
001620		070707		775522		000151		507	
	6J27C		5J27C		0280		135		013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001620		070707		777777		000151		508	
	3J03F		3J16F		2030		20		19L
001620		703434		347070		000151		509	
	3J21G		3J19G		2060		45		16L
001620		707070		775522		000151		510	
	6J27C		5J27C		0280		135		14L
001630		070707		000000		000151		511	
	3J20B		3J27B		2070		46,45,44		014L,19H
	3J19E		3J16E		2060		45		17L
	3J20C		3J19C		2060		45		17L
001630		070707		007100		000151		512	
	6J27C		5J27C		0280		135		124H,125L,032H
001630		070707		777777		000151		513	
	3J16D		3J13D		2070		48		15L,011H
	3J24A		3J22A		2013		15		18L
	3J11G		3J06G		2040		29		015L,19H,110H
	3J05C		3J07C		2920		19		110L
001632		070707		424242		000151		514	
	4J19C		4J18C		2000		87		111L,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
	4J25E		4J13E		2050		91,92		010H,111L*112L, 113L*114L*115L
	4J20C		4J22C		2920		95		015L,15H,16H, 17H
001637		000000		000000		000151		515	
	4J18D		4J17D		2013		19		17H,18H,19H, 010H*011H*012H
	3J16E		3J10E		2060		48		16L,013H,15L* 16L*17L
	3J06E		3J10E		2060		24,19		111L,111L*112L
	3J06G		3J03G		2040		17		17H,18H
	3J04E		3J02E		2060		20		111L
001637		006200		006200		000151		516	
	3J03G		3J06G		2040		18		113H,114H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001637	4J17G	024242	4J16G	024242	2000	000151	88	517	I11H, I12H
001637	3J05B	050505	3J22B	050505	2080	000151	19	518	I8L
001637	3J17E	353535	3J03E	353535	2030	000151	48	519	010L, I5H, I6H, I7H, I8H, I9H
	3J16E		3J10E		2060		48		I9L, I14H, I8L*
	3J04A		3J05A		2040		20		I9L* I10L 015L, I9H, I10H
001637	4J18F	404242	4J17F	404242	2000	000151	88	520	I11H, I12H
001637	3J04A	420042	3J05A	420042	2040	000151	20	521	I10L
001637	4J17E	420242	4J16E	420242	2000	000151	88	522	I11H, I12H
001637	4J18C	424042	4J17C	424042	2000	000151	87	523	I11H, I12H
001637	4J17B	424202	4J16B	424202	2000	000151	87	524	I11H, I12H
001637	4J18A	424240	4J17A	424240	2000	000151	87	525	I11H, I12H
001637	3J02G	425672	3J10G	425672	2050	000151	18	526	I6L
001637	3J18E	777777	3J20E	777777	2070	000151	48, 46	527	015L, I10H
	3J02G		3J10G		2050		18		I14L
	3J03F		3J17F		2030		20		I14L
	3J16F		3J17F		2030		48		I8L
001645	4J32E	027400	4J30E	000000	2900	000151	103	528	I5L
	7J12E		7J11E		2000		105		I6L
001645	4J18G	153535	4J17G	153535	2000	000151	88	529	I11H, I12H

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TABLE S-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001645	4J19G	253535	4J18G	253535	2000	000151	88	530	I11H,I12H
001645	4J17F	313535	4J16F	313535	2000	000151	88	531	I11H,I12H
001645	4J19F	343535	4J18F	343535	2000	000151	88	532	I11H,I12H
001645	4J18E	351535	4J17E	351535	2000	000151	88	533	I11H,I12H
001645	4J19E	352535	4J18E	352535	2000	000151	88	534	I11H,I12H
001645	4J17C	353135	4J16C	353135	2000	000151	87	535	I11H,I12H
001645	4J19C	353435	4J18C	353435	2000	000151	87	536	I11H,I12H
001645	4J18B	353515	4J17B	353515	2000	000151	87	537	I11H,I12H
001645	4J19B	353525	4J18B	353525	2000	000151	87	538	I11H,I12H
001645	4J17A	353531	4J16A	353531	2000	000151	87	539	I11H,I12H
001645	4J19A	353534	4J18A	353534	2000	000151	87	540	I11H,I12H
001645	7J07E	353535	7J06E	353735	2000	000151	112	541	I9L
001645	7J07B	353535	7J06B	373535	2000	000151	113	542	I9L
001645	3J03C 3J03B	404242	3J20C 3J04B	000000	2060 2920	000151	44 20	543	015L,I11H,I12H I8L
001651	4J29D	000056	4J28D	353535	2013	000151	20	544	I7L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001651		777777		353535		000151		545	
	3J16D		3J13D		2070		48		I6L,012H
	3J11G		3J06G		2040		29		I7H,I8H
001657		353535		353535		000151		546	
	3J17E		3J03E		2030		48		011L,112H,113H, 114H,115H
001657		424242		353535		000151		547	
	3J16E		3J10E		2060		48		I12L
001657		424242		777777		000151		548	
	3J06G		3J03G		2040		17		I7L
001664		000000		000000		000151		549	
	3J16E		3J10E		2060		48		I7L
001664		353535		353535		000151		550	
	3J16E		3J10E		2060		48		I8L
001671		777777		777777		000151		551	
	3J13F		3J06F		2060		29,28		015L,111H,112H
	3J19E		3J16E		2060		45		I12L,015H,111L* I12L
	3J14G		3J09G		2070		55,35,29		I10L,015H
	3J11G		3J06G		2040		29		I5H,I6H
001673		000000		001671		000151		552	
	3J16F		3J03F		2030		48		I7L
001722		000000		000010		000151		553	
	3J19F		3J18F		2060		46		014L,18H,19H, I10H
	3J18E		3J20E		2070		48,46		I5L,011H
	7J10E		7J08E		2000		104		I9L
	3J09A		3J07A		2920		23		I6L
001722		000000		757702		000151		554	
	7J04D		7J03D		2013		23,106		010H*011H*012H
001722		000000		770010		000151		555	
	3J07B		3J06B		2060		23,19		I5L
001722		000000		777700		000151		556	
	4J03C		4J04C		2060		39		013L,15H,16H,

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J16D		3J13D		2070		48		I7H
	4J12D		4J11D		2070		39,101		19L,014H
	4J04E		4J03E		2920		39		15L,011H
									015L,18H,19H,
	4J10F		4J09F		2040		82		110H
									114L
001722		000000		777701		000151		557	
	4J04C		4J03C		2060		27,38		014L,18H,19H,
									110H
	3J05D		3J08D		2060		38		17L,013H,15L*
									16L*17L
	7J20C		7J14C		2000		37		15L,16L,115H
	7J23C		7J16C		2070		37,49		011L,15H
	8J05A		8J30A		2070		79		015L,110H
	4J02C		4J28C		2900		39		15L,111L
	7J21D		7J20D		2013		37		010L*011L*012L
001722		000000		777702		000151		558	
	7J23C		7J16C		2070		37,49		012L,16H
	8J05A		8J30A		2070		79		014L,19H
	3J25D		3J22D		2013		16		16L
	7J21C		7J20C		2000		37		16L,115H
	4J27F		4J25F		2920		91		18H,19H,110H
	4J02C		4J28C		2900		39		114L
001722		000000		777703		000151		559	
	7J20B		7J21B		2020		37		115L,15H,16H,
									17H,011H*012L,
									113L*114L*115L,
									011H
	4J02B		4J04B		2900		39		15H,06H*08L,06H
	7J23C		7J16C		2070		37,49		17L,013H
	8J05A		8J30A		2070		79		17L,013H
	4J03E		4J04E		2920		39		015L,15H,16H,
									17H
	4J02C		4J28C		2900		39		17L
	4J08G		4J07G		2040		82		114L
001722		000000		777704		000151		560	
	7J20B		7J21B		2020		37		16L,113H,114H,
									115H
	7J23C		7J16C		2070		37,49		013L,17H
	8J05A		8J30A		2070		79		013L,17H
	4J02B		4J04B		2900		39		15L,17L
	4J27F		4J25F		2920		91		15H,16H,17H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SNAP	AL	CE	PLATE	SYMPTOM	FAULT
001722		000000		777705	000151		561	
	7J21C		7J20C		2000	37		I15L, 15H, 16H, 013H*014L, 013H
	4J02C		4J28C		2900	39		I14H, 013H*015L, 013H
	7J23C		7J16C		2070	37, 49		I6L, 012H
	8J05A		8J30A		2070	79		I9L, 014H
	4J04F		4J11F		2920	39		015L, 15H, 16H, 17H
	4J09G		4J08G		2040	82		I14L
001722		000000		777706	000151		562	
	7J20C		7J14C		2000	37		I15L, 15H, 16H, 013H*014L, 013H
	4J02C		4J28C		2900	39		I5H, 06H*08L, 06H
	7J23C		7J16C		2070	37, 49		I5L, 011H
	8J05A		8J30A		2070	79		I10L, 015H
	4J03G		4J11A		2920	39		015L, 18H, 19H, 110H
	7J20E		7J21B		2020	37		I5L
	4J10G		4J09G		2040	82		I14L
	4J27E		4J26E		2920	91		I13L
	4J27F		4J25F		2920	91		015L
001722		000000		777707	000151		563	
	4J02D		4J03D		2013	38		I5L, 013L*014L* 015L
	3J06C		3J03C		2070	17, 38, 19		012L, 16H
	3J25A		3J24A		2013	15		I9L
	4J02B		4J04E		2900	39		I11L
	4J24G		4J23G		2050	94		I13L
	4J23F		4J22F		2920	94		I12L
	3J05D		3J08D		2060	38		013H
001722		000000		777710	000151		564	
	3J05D		3J08D		2060	38		I12L, 013L, 015L, 15H, 16H, 17H, 111H, 112H, 015H, 111L*112L
	4J02D		4J03D		2013	38		I5H, 16H
	4J04C		4J03C		2060	27, 38		I8L, 19L, 014H, I8L*19L*110L
	3J06C		3J03C		2070	17, 38, 19		I6L, 012H
	3J16D		3J13D		2070	48		015L, 110H
	4J26F		4J24F		2070	91, 94, 100		I6L, 012H

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TABLE E-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SNAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J25F		4J23F		2920		91		015L, I11H, I12H, I13H, I14H
	4J25E		4J13E		2050		91, 92		I13H, I14H, I15H
	3J06b		3J02b		2060		17		I11L
	3J11E		3J08E		2920		29		I6L

001722		000000		777711		000151		565	
	4J03G		4J27F		2920		39		16L, I9L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	4J10G		4J09G		2040		82		I13H, I14H
	4J03C		4J04C		2060		39		I6L

001722		000000		777712		000151		566	
	4J04F		4J11F		2920		39		I6L, I12L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	4J09G		4J08G		2040		82		I13H, I14H
	4J03C		4J04C		2060		39		I7L

001722		000000		777714		000151		567	
	4J03E		4J04E		2920		39		I5L, I12L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	4J08G		4J07G		2040		82		I13H, I14H
	4J03C		4J04C		2060		39		I5L

001722		000000		777717		000151		568	
	4J04E		4J03E		2920		39		I6L, I8L, I11L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	3J09G		3J14G		2070		30, 34, 17		014L, I9H
	4J12D		4J11D		2070		39, 101		011L, I5H
	4J03C		4J04C		2060		39		013H, I5L*I6L* I7L
	4J10F		4J09F		2040		82		I13H, I14H

001722		000000		777730		000151		569	
	4J04G		4J13G		2050		27, 39		010H, I11L*I12L, I13L*I14L*I15L
	4J09F		4J08F		2040		82		I13H, I14H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001722		000000		777750		000151		570	
	4J03C		4J04C		2060		39		015H, I11L, I12L
	4J08F		4J07F		2040		82		I13H, I14H
001722		000000		777777		000151		571	
	4J09D		4J08D		2013		17, 26		15H, 16H, 013H*
	3J17C		3J09C		2060		48		014H, 015H
	3J07E		3J08E		2060		23, 19		I10L, 013L, 15H,
	3J06E		3J02E		2060		17		16H, 17H
	3J06F		3J13F		2060		17		014L, 18H, 19H,
	3J16B		3J08B		2060		48, 27, 36		I10H
	7J07D		7J06D		2013		23		015L, I11H, I12H
									I12L, 015H, I11L*
									I12L
									15L, 013H, 15L*
									I6L, I7L
									I7L
001722		006753		777701		000151		572	
	4J23A		4J22A		2920		96		I8L
001722		027400		001010		000151		572A	
	4J16E		4J15E		2000		86		014H
001723		000000		777710		000151		573	
	7J12G		7J11G		2000		104		I9L
001727		000000		000000		000151		574	
	7J11G		7J10G		2000		104		I9L
001727		000000		000706		000151		575	
	7J10F		7J08F		2000		104		I9L
001733		000000		000010		000151		576	
	7J12F		7J11F		2000		104		I9L
001753		000000		000376		000151		577	
	7J11E		7J10E		2000		104		I9L
001753		000000		000377		000151		578	
	4J13G		4J04G		2050		33		010L, I13H, I14H,
	4J34G		4J27G		2050		33		I15H
	4J04A		4J21A		2070		47, 33		010L, I13H, I14H,
									I15H
									I7L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J26F		4J24F		2070		91,94,100		I5L,011H
	4J30G		4J29G		2900		99		I5L
	4J32A		4J34A		2900		89		08H

001753		000000		000776		000151		579	
	4J30G		4J29G		2900		99		I14L
	4J08C		4J07C		2040		83		I13H,I14H
	4J08E		4J07E		2040		83		I13H,I14H
	4J09C		4J07C		2040		83		I13H,I14H
	4J09E		4J07E		2040		83		I13H,I14H
	4J10C		4J05E		2040		83		I13H,I14H
	4J10E		4J05F		2040		83		I13H,I14H
	3J06B		3J02B		2060		17		I10L
	4J32A		4J34A		2900		89		015H

001753		000000		001774		000151		580	
	4J34A		4J33A		2900		89		I12L,06L*08H, 08H
	4J29G		4J28G		2900		99		I5L

001753		000000		003770		000151		581	
	4J34A		4J33A		2900		89		I9L,013L*015H, 015H
	4J29G		4J28G		2900		99		I14L

001753		000000		003774		000151		582	
	4J34A		4J33A		2900		89		I7L*I5L*I14L, I10L*I12L*I9L

001753		000000		005640		000151		583	
	3J13C		3J10C		2020		11		I7L

001753		000000		007760		000151		584	
	4J33B		4J32B		2900		89		I12L,06L*08H, 08H
	4J28G		4J02G		2900		99		I5L

001753		000000		017740		000151		585	
	4J33B		4J32B		2900		89		I9L,013L*015H, 015H
	4J28G		4J02G		2900		99		I14L

001753		000000		017760		000151		586	
	4J33B		4J32B		2900		89		I7L*I5L*I14L, I10L*I12L*I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001753		000000		037700		000151		587	
	4J32C		4J30C		2900		89		I12L,06L*08H, 08H
	4J30F		4J29F		2900		99		I5L

001753		000000		077600		000151		588	
	4J32C		4J30C		2900		89		I9L,013L*015H, 015H
	4J30F		4J29F		2900		99		I14L

001753		000000		077700		000151		589	
	4J32C		4J30C		2900		89		I7L*I5L*I14L, I10L*I12L*I9L

001753		000000		177400		000151		590	
	4J34C		4J33C		2900		89,90		I12L,06L*08H, 08H
	4J29F		4J28F		2900		100,99		I5L

001753		000000		377000		000151		591	
	4J34C		4J33C		2900		89,90		I9L,013L*015H, 015H
	4J29F		4J28F		2900		100,99		I14L

001753		000000		377400		000151		592	
	4J34C		4J33C		2900		89,90		I7L*I5L*I14L, I10L*I12L*I9L

001753		000000		400177		000151		593	
	4J33G		4J32G		2900		90		I9L,013L*015H, 015H
	4J28E		4J02E		2900		100		I14L

001753		000000		600077		000151		594	
	4J33G		4J32G		2900		90		I12L,06L*08H, 08H
	4J28E		4J02E		2900		100		I5L

001753		000000		600177		000151		595	
	4J33G		4J32G		2900		90		I7L*I5L*I14L, I10L*I12L*I9L

001753		000000		700037		000151		596	
	4J34F		4J33F		2900		90		I9L,013L*015H, 015H
	4J29E		4J28E		2900		100		I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001753		000000		740017	000151			597	
	4J34F		4J33F		2900		90		I12L,06L*08H, 08H
	4J29E		4J28E		2900		100		I5L
001753		000000		740037	000151			598	
	4J34F		4J33F		2900		90		I7L*I5L*I14L, I10L*I12L*I19L
001753		000000		760007	000151			599	
	4J32F		4J30F		2900		90		I9L,013L*015H, 015H
	4J30E		4J29E		2900		100		I14L
001753		000000		770003	000151			600	
	4J32F		4J30F		2900		90		I12L,06L*08H, 08H
	4J30E		4J29E		2900		100		I5L
001753		000000		770007	000151			601	
	4J32F		4J30F		2900		90		I7L*I5L*I14L, I10L*I12L*I19L
001753		000000		774001	000151			602	
	4J33E		4J32E		2900		90		I9L,013L*015H, 015H
	4J28F		4J02F		2900		100		I14L
001753		000000		776000	000151			603	
	4J33E		4J32E		2900		90		I12L,06L*08H, 08H
	4J28F		4J02F		2900		100		I5L
001753		000000		776001	000151			604	
	4J33E		4J32E		2900		90		I7L*I5L*I14L, I10L*I12L*I19L
001772		000000		000000	000151			605	
	8J28H		*****		3621		122		I6L,I10L,I5H, I6H,I7H,I9H, I10H,I11H,I5L* I6L*I7L,I9H* I10H*I11H
	8J26B		3J34C		3640		122		I5L,I7L,I9L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I11L, C12L, 014L, I5H, I9H, 012H, 013H, C14H, 015H I5L, I5H, I6H, I7H, I8H, I9H, 013L* 014L*015L, 013H* 010H*011H*012H 014H*015H
	8J16C		8J32A		2013		24, 25		
	8J25B		8J12B		2070		122, 107		I5L, I6L, I7L, I9L, 011L, C12L, I5H, I6H, 011H, 012H, 013H, 014H
	8J16D		8J12D		2013		24		I6L, I7L, I7H, I8H, I9H, 013L*014L* 015L, C10H*011H* 012H
	8J27B		3J34C		3640		122		I5L, I7L, I11L, 012L, 014L, I5H, I9H, 012H, 013H, 015H
	8J30A		8J05A		2070		122		I5L, I7L, 012L, 013L, C14L, I6H, I7H, I5H, 011H, 013H
	8J17D		8J18D		2013		25		I6L, I7H, I8H, I9H, 013L*C14L*015L, 010H*011H*012H
	8J23C		*****		3621		123		I5L, I9H, I10H, I11H, I5L*I6L* I7L, I9H*I10H* I11H, 014H*015H
	8J28D		*****		3670		124		I11L, I14L, I10H, I11H, I12H, I13H, I14H, I15H, I10L* I11L*I12L, I13L* I14L*I15L
	8J28A		3J34C		3640		122		05H, 07H I5L, I9L, I11L, 014L, I9H, 012H, 014H, 015H
	8J30D		8J26D		3680		124		06L, 07L, 08L, 09L, 09H, I10L*I11L* I14L, I11L*I13L* I14L, I12L*I10L* I14L, I12L*I13L* I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J24D		*****		3670		124		I14L,I10H,I11H, I12H,I13H,I14H, I15H,I10L*I11L* I12L,I13L*I14L* I15L,05H,07H
	8J15F		8J17F		2000		114		I5L,I6L,I7L,I9L, I11L,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H
	8J24A		8J19A		2000		122		I5L,I7L,I9L, I11L,I11H,I12H, 013H*014L,I5L* I6L,I7L*I8L, I11L*I12L,014H
	8J29B		8J11B		2060		122		I6L,I9L,013L, I5H,I6H,I7H, 013H,014H,I5L* I6L*I7L,I8L*I9L* I10L
	8J22C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H 014H*015H
	8J24C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H 014H*015H
	8J25C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H 014H*015H
	8J26C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H 014H*015H
	8J27C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H 014H*015H
	8J28C		*****		3621		123		I9H,I10H,I11H, I9H*I10H*I11H
	7J12B		7J02A		2160		106,107		015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H
	7J07D		7J06D		2013		23		I5H,I6H,013H* 014H*015H
	8J07D		8J03D		2013		107		I5H,I6H,013H* 014H*015H
	8J15D		8J12D		2013		24		I5L,010L*011L* 012L,013L*014L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT.
	2J29C	*****			3621		123		015L 15H,16H,17H 012H*013H
	8J14A	8J17A			2000		114		115L,15H,16H, 17H,18H,013H
	3J16G	3J14G			2070		09,35,9,48		15L,011L,15H, 011H
	8J02B	8J06B			2070		24,25		17L,012L,16H, 013H
	8J02D	8J03D			2013		06,105		15L,013L*014L* 015L
	8J16A	8J31A			2013		25,105		15H,16H 013H*015H
	8J24B	8J32A			2013		122		15H,16H 013H*014H*015H
	7J09A	7J13A			2050		107		111L,113L,010H, 111L*112L,113L* 114L*115L
	8J02E	8J03E			2050		24,33		112L,113L,010H, 111L*112L,113L* 114L*115L
	8J15G	8J14G			2050		24,120		111L,113L,010H, 111L*112L,113L* 114L*115L
	3J30E	3J28E			2900		13		19L,013L*015H, 015H
	3J06E	3J04E			2060		24,19		18L,18H,19H, 110H
	3J31B	3J24B			2060		03,13,03		014L,18H,19H, 110H
	7J15E	7J04E			2060		51,107		014L,18H,19H, 110H
	8J04D	8J11E			2060		24,121		014L,18H,19H, 110H
	8J14B	8J17B			2000		114		16L,17L,18L,19L
	8J15A	8J17A			2000		114		16L,17L,18L, 111L
	8J25A	3J35A			2120		122		18L,115L,013H, 115H
	3J31D	3J02D			2050		29,03		17L,09H,15L*16L, 17L*18L
	3J18G	3J17G			2060		08,46,		015L,111H,112H
	3J27C	3J26C			2060		14		111L,015H,111L* 112L
	7J02B	7J15B			2060		22,23,49		111L,015H,111L* 112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J11G		8J11E		2000		107,120		I5L,013H,I5L*
	8J16D		8J11B		2060		25		I6L*I7L I12L,015H,I11L*
	8J29A		3J34C		3640		122		I12L I5L,012H
	8J15B		8J17B		2000		114		I6L,I8L,I9L
	8J02G		8J06G		2070		21,21,121,107		014L,I9H
	3J06D		3J03D		2920		24		015L,I11H,I12H, I13H,I14H
	3J17F		3J16F		2030		47,48		I14L,011H,I12L*
	3J09A		3J07A		2920		23		I13L*I14L I11H,I12H,I13H, I14H
	8J16E		8J17E		2000		114		I6L,I11L
	8J30C		*****		3760		124		I5L,I5H
	3J07C		3J05C		2920		24		I6L,I10L,I12L
	3J08G		3J30F		2030		18,24		010H,I5L*I6L* I7L*I8L*I9L
	8J25D		8J26D		3680		124		I12L*I13L*I14L
	8J29D		8J26D		3680		124		I12L*I13L*I14L
	8J23D		*****		3670		124		I10L
	8J27D		*****		3670		124		I10L
	8J02A		8J11B		2060		21,25,54		I12L
	8J15C		8J17C		2000		114		I6L
	8J15E		8J17E		2000		114		I6L
	8J30B		*****		3760		124		I5H

001772		000000		000001		000151		606	
	3J08B		3J07B		2060		23,47,19		014L,I8H,I9H, I10H
	3J02D		3J31D		2050		16,25		I11L,I15L

001772		000000		000005		000151		607	
	3J02D		3J31D		2050		16,25		010H,I11L*I12L, I13L*I14L*I15L

001772		000000		000651		000151		609	
	7J11F		7J10F		2000		104		I9L

001772		000000		000777		000151		610	
	8J32A		8J31A		2013		122		I5L,I7H,I8H,I9H, 013L*014L*015L, 010H*011H*012H

001772		000000		002005		000151		610A	
	3J02D		3J31D		2050		25		010H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001772		000000		005000		000151		611	
	8J23D		8J24D		3670		124		I13L
001772		000000		005004		000151		612	
	8J27D		8J24D		3670		124		I13L
001772		000000		007777		000151		613	
	8J19D		8J18D		2013		25		I5H, I6H, 013H*
	3J18G		3J17G		2060		08,46,		014H*015H I8L
001772		000000		027401		000151		614	
	8J15C		8J17C		2000		114		I9L
	8J15E		8J17E		2000		114		I9L
	8J16E		8J17E		2000		114		I9L
001772		000000		044001		000151		615	
	8J24A		8J19A		2000		122		I15H
001772		000000		046101		000151		616	
	8J24A		8J19A		2000		122		013L*014H
001772		000000		047777		000151		617	
	8J24A		8J19A		2000		122		I9L*I10L
001772		000000		227267		000151		617A	
	8J29A		8J28A		3640		122		013H
001772		000000		227577		000151		618	
	8J24C		8J23C		3621		123		I5L
001772		000000		227677		000151		619	
	8J26C		8J25C		3621		123		I5L
001772		000000		227767		000151		620	
	8J25C		8J24C		3621		123		I5L, I5L*I6L*I7L
001772		000000		227777		000151		621	
	8J24C		8J23C		3621		123		I5L*I6L*I7L
001772		000000		237267		000151		621A	
	8J29A		8J28A		3640		122		013H
	8J02E		8J03E		2050		24		010H
001772		000000		277267		000151		621E	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J02E		8J03E		2050		24		010H
001772	000000		277777		000151		622		
	8J29D		8J26D		3680		124		07L
001772	000000		337777		000151		623		
	8J26C		8J25C		3621		123		I5L*I6L*I7L
001772	000000		367437		000151		624		
	8J28C		8J27C		3621		123		I5L,I5L*I6L*I7L
	8J25D		8J26D		3680		124		I12L*I10L*I14L
001772	000000		367477		000151		625		
	8J25D		8J26D		3680		124		07L
001772	000000		367537		000151		626		
	8J27C		8J26C		3621		123		I5L
	8J25D		8J26D		3680		124		I11L*I13L*I14L
001772	000000		367767		000151		627		
	8J29D		8J26D		3680		124		I12L*I10L*I14L
001772	000000		367777		000151		628		
	3J03C		3J06C		2070		07,11,21,18		I7L,013H
	3J18E		3J20E		2070		48,46		I7L,013H
	3J07A		3J02A		2920		23		015L,I5H,I6H, I7H
001772	000000		377537		000151		629		
	8J27C		8J26C		3621		123		I5L*I6L*I7L
	8J25D		8J26D		3680		124		08L
001772	000000		377674		000151		630		
	8J25D		8J26D		3680		124		09L
001772	000000		377777		000151		631		
	8J33A		8J34A		3780		130		I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
	8J19G		8J18G		2000		117		I15L,I5H,I6H, I9H,I10H,013H* 014L,013H
	7J08A		7J07A		2000		113		I5H,I6H
	8J07G		8J03G		2050		81		I5H,I6H
	8J29D		8J26D		3680		124		09L
	8J20G		8J22G		3850		131		015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001772	8J30D	000000	8J29D	400012	3680	000151	124	632	08H
001772	8J16F	000000	8J02F	507310	2020	000151	107	633	I6L,I9L,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,C12H
	8J04G		7J16G		2080		40,107		05L,I6H,I7H,I8H
	7J09A		7J13A		2050		107		I7H,I8H
001772	8J34A	000000	8J33A	577777	3780	000151	130	634	I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
	8J18G		8J17G		2000		117		I15L,I5H,I6H, I9H,I10H,013H* 014L,C13H
	7J07A		7J06A		2000		113		I5H,I6H
	8J07C		8J03G		2050		81		I11H,I12H
	8J20G		8J22G		3850		131		014H
001772	8J35A	000000	8J34A	677777	3780	000151	130	635	I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
	8J17G		8J18G		2000		117		I15L,I5H,I6H, I9H,I10H,013H* 014L,C13H
	7J06A		7J07A		2000		113		I5H,I6H
	8J07F		8J06F		2050		81		I5H,I6H
	8J20G		8J22G		3850		131		013H
001772	8J29D	000000	8J26D	727777	3680	000151	124	637	I11L*I13L*I14L
001772	8J31B	000000	8J32B	737777	3780	000151	130	638	I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
	8J19F		8J18F		2000		117		I15L,I5H,I6H, I9H,I10H,013H* 014L,C13H
	7J08H		7J07B		2000		113		I5H,I6H
	8J07F		8J06F		2050		81		I11H,I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J22G		8J20G		3850		131		015H
001772	000000		757777		000151		639		
	8J32B		8J31B		3780		130		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J18F		8J17F		2000		117		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J07B		7J06B		2000		113		15H,16H
	8J06F		8J04F		2050		81		15H,16H
	8J22G		8J20G		3850		131		014H
001772	000000		760177		000151		640		
	8J30D		8J29D		3680		124		07H
001772	000000		764362		000151		641		
	8J24A		8J19A		2000		122		15H,16H
001772	000000		767777		000151		642		
	8J33B		8J32B		3780		130		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J17F		8J15F		2000		117		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J06B		7J07B		2000		113		15H,16H
	8J06F		8J04F		2050		81		111H,112H
	8J29D		8J26D		3680		124		08L
	8J22G		8J20G		3850		131		013H
001772	000000		770077		000151		643		
	8J18B		8J17D		2013		25		17H,18H,19H, 010H*011H*012H
001772	000000		773777		000151		644		
	8J34B		8J33B		3780		130		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J19E		8J18E		2000		116		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J08C		7J07C		2000		112		15H,16H
	8J07E		8J04E		2050		80		15H,16H
	8J20F		8J22F		3850		131		015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001772		000000		775777		000151		645	
	8J35B		8J34B		3780		130		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	8J18E		8J17E		2000		116		I15L, I5H, I6H, I9H, I10H, 013H* 014L, C13H
	7J07C		7J06C		2000		112		I5H, I6H
	8J07E		8J04E		2050		80		I11H, I12H
	8J20F		8J22F		3850		131		014H

001772		000000		776777		000151		646	
	8J31C		8J32C		3780		130		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	8J17E		8J16E		2000		116		I15L, I5H, I6H, I9H, I10H, 013H* 014L, 013H
	7J06C		7J07C		2000		112		I5H, I6H
	8J07C		8J06C		2050		80		I5H, I6H
	8J20F		8J22F		3850		131		013H

001772		000000		777000		000151		647	
	8J31A		8J16A		2013		122		I5L, I7H, I8H, I9H, 013L*014L*015L, 010H*011H*012H

001772		000000		777377		000151		648	
	8J32C		8J31C		3780		129		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	8J19C		8J18C		2000		116		I15L, I5H, I6H, I9H, I10H, 013H* 014L, 013H
	7J08E		7J07E		2000		112		I5H, I6H
	8J07C		8J06C		2050		80		I11H, I12H
	8J22F		8J20F		3850		131		015H

001772		000000		777577		000151		649	
	8J33C		8J32C		3780		129		I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
	8J18C		8J17C		2000		116		I15L, I5H, I6H, I9H, I10H, 013H* 014L, 013H
	7J07E		7J06E		2000		112		I5H, I6H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J06C		8J03C		2050		80		15H,16H
	8J22F		8J20F		3850		131		014H
001772		000000		777677		000151		650	
	8J34C		8J33C		3780		129		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J17C		8J15C		2000		116		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J06E		7J07E		2000		112		15H,16H
	8J06C		8J03C		2050		80		111H,112H
	8J22F		8J20F		3850		131		013H
001772		000000		777700		000151		651	
	8J19D		8J18D		2013		25		17H,18H,19H, 010H*011H*012H
001772		000000		777737		000151		652	
	8J35C		8J34C		3780		129		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J19B		8J18B		2000		115		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J08F		7J07F		2000		111		15H,16H
	8J07B		8J04B		2050		79		15H,16H
	8J20E		8J22E		3850		131		015H
001772		000000		777757		000151		653	
	8J31D		8J32D		3780		129		15L,19L,111L, 17H,15L*16L,17L* 18L,17L*18L
	8J18B		8J17B		2000		115		115L,15H,16H, 19H,110H,013H* 014L,013H
	7J07F		7J06F		2000		111		15H,16H
	8J07B		8J04B		2050		79		111H,112H
	8J20E		8J22E		3850		131		014H
001772		000000		777767		000151		654	
	8J32D		8J31D		3780		129		19L,111L,17H, 15L*16L,17L*18L, 17L*18L
	8J17B		8J15B		2000		115		115L,15H,16H, 19H,110H,013H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J06F		7J07F		2000		111		014L, 013H
	8J07A		8J06A		2050		79		15H, 16H
	8J20E		8J22E		3850		131		15H, 16H
									013H
001772	000000		777773		000151		655		
	8J33D		8J32D		3780		129		19L, 111L, 17H,
									15L*16L, 17L*18L,
									17L*18L
	8J19A		8J18A		2000		115		115L, 15H, 16H,
									19H, 110H, 013H*
									014L, 013H
	7J08G		7J07G		2000		111		15H, 16H
	8J07A		8J06A		2050		79		111H, 112H
	8J22E		8J20E		3850		131		015H
001772	000000		777775		000151		656		
	8J34D		8J33D		3780		129		19L, 111L, 17H,
									15L*16L, 17L*18L,
									17L*18L
	8J18A		8J17A		2000		115		115L, 15H, 16H,
									19H, 110H, 013H*
									014L, 013H
	7J07G		7J06G		2000		111		15H, 16H
	8J06A		8J03A		2050		79		15H, 16H
	8J22E		8J20E		3850		131		014H
001772	000000		777776		000151		657		
	8J35D		8J34D		3780		129		19L, 111L, 17H,
									15L*16L, 17L*18L,
									17L*18L
	8J17A		8J15A		2000		115		115L, 15H, 16H,
									19H, 110H, 013H*
									014L, 013H
	7J06G		7J07G		2000		111		15H, 16H
	8J06A		8J03A		2050		79		111H, 112H
	8J22E		8J20E		3850		131		013H
001773	000000		000000		000151		658		
	7J10A		7J08B		2000		105		19L
002002	000000		000001		000151		659		
	8J17A		8J15A		2000		115		15L, 16L, 19L,
									110L
	8J35D		8J34D		3780		129		19L*18L
	8J22E		8J20E		3850		131		013L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	TYPE	CF	PLATE	SYMPTOM	FAULT
	8J06A		8J03A		2050		79		112L
002002	000000	000000	000002	000151			660		
	8J18A		8J17A		2000		115		15L, 16L, 19L, 110L
	8J34D		8J33D		3780		129		19L*18L
	8J22E		8J20E		3850		131		014L
	8J06A		8J03A		2050		79		16L
002002	000000	000000	000003	000151			661		
	8J02B		8J06B		2070		24, 25		015L, 110H
	8J18D		8J17D		2013		25		16L
002002	000000	000000	000004	000151			662		
	8J19A		8J18A		2000		115		15L, 16L, 19L, 110L, 012H*013H
	8J33D		8J32D		3780		129		19L*18L
	8J22E		8J20E		3850		131		015L
	8J07A		8J06A		2050		79		112L
002002	000000	000000	000010	000151			663		
	8J17B		8J15B		2000		115		15L, 16L, 17L, 19L, 110L
	8J32D		8J31D		3780		129		19L*18L
	8J20E		8J22E		3850		131		013L
	8J07A		8J06A		2050		79		16L
002002	000000	000000	000020	000151			664		
	8J18B		8J17B		2000		115		15L, 16L, 17L, 19L, 110L
	8J31D		8J32D		3780		129		19L*18L
	8J20E		8J22E		3850		131		014L
	8J07B		8J04B		2050		79		112L
002002	000000	000000	000040	000151			665		
	8J19B		8J18B		2000		115		15L, 16L, 17L, 19L, 110L
	8J35C		8J34C		3780		129		19L*18L
	8J20E		8J22E		3850		131		015L
	8J07B		8J04B		2050		79		16L
002002	000000	000000	000077	000151			666		
	8J19D		8J18D		2013		25		18L, 010L*011L* 012L
002002	000000	000000	000100	000151			667		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J17C		8J15C		2000		116		15L, 16L, 17L, 19L, 110L
	8J34C		8J33C		3780		129		19L*18L
	8J22F		8J20F		3850		131		013L
	8J06C		8J03C		2050		80		112L
002002		000000		000200		000151		668	
	8J18C		8J17C		2000		116		15L, 16L, 17L, 19L, 110L
	8J33C		8J32C		3780		129		19L*18L
	8J22F		8J20F		3850		131		014L
	8J06C		8J03C		2050		80		16L
002002		000000		000400		000151		669	
	8J19C		8J18C		2000		116		15L, 16L, 17L, 19L, 110L
	8J32C		8J31C		3780		129		19L*18L
	8J22F		8J20F		3850		131		015L
	8J07C		8J06C		2050		80		112L
002002		000000		000650		000151		670	
	4J26F		4J24F		2070		91, 94, 100		013L, 17H
	4J24G		4J23G		2050		94		15L, 18L
	4J27F		4J25F		2920		91		16L, 19L, 111L
002002		000000		001000		000151		671	
	8J17E		8J16E		2000		116		15L, 16L, 17L, 19L, 110L
	8J31C		8J32C		3780		130		19L*18L
	8J20F		8J22F		3850		131		013L
	8J07C		8J06C		2050		80		16L
002002		000000		002000		000151		672	
	8J18E		8J17E		2000		116		16L, 17L, 19L, 110L
	8J35E		8J34E		3780		130		19L*18L
	8J20F		8J22F		3850		131		014L
	8J07E		8J04E		2050		80		112L
002002		000000		004000		000151		673	
	8J19E		8J18E		2000		116		16L, 17L, 19L, 110L
	8J34E		8J33E		3780		130		19L*18L
	8J20F		8J22F		3850		131		015L
	8J07E		8J04E		2050		80		16L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002002	8J18D	000000	8J17D	007700	2013	000151	25	674	I7L,010L*011L* 012L
002002	8J17F	000000	8J15F	010000	2000	000151	117	675	16L,17L,19L, I10L
	8J33B		8J32B		3780		130		I9L*I8L
	8J22G		8J20G		3850		131		013L
	8J06F		8J04F		2050		81		I12L
002002	8J18F	000000	8J17F	020000	2000	000151	117	676	I5L,I6L,17L,19L, I10L
	8J32B		8J31B		3780		130		I9L*I8L
	8J22G		8J20G		3850		131		014L
	8J06F		8J04F		2050		81		I6L
002002	8J19F	000000	8J18F	040000	2000	000151	117	677	I5L,I6L,17L,19L, I10L
	8J31B		8J32B		3780		130		I9L*I8L
	8J22G		8J20G		3850		131		015L
	8J07F		8J06F		2050		81		I12L
002002	8J17G	000000	8J18G	100000	2000	000151	117	678	I5L,I6L,17L,19L, I10L
	8J35A		8J34A		3780		130		I9L*I8L
	8J20G		8J22G		3850		131		013L
	8J15C		8J17C		2000		114		I5L
	8J07F		8J06F		2050		81		I6L
002002	4J23B	000000	4J22B	100002	2050	000151	96	679	I12L,I13L
002002	3J17F	000000	3J16F	120001	2030	000151	47,48	680	011L,I12H,I13H, I14H,I15H
	3J02C		3J04C		2060		30,15,21		I9L,014H,I8L* I9L*I10L
	3J19G		3J18G		2060		46		I7L,013H,I5L* I6L*I7L
	3J06D		3J03D		2920		24		I13L,015H,I11L* I12L*I13L,I5L* I6L*I7L,I8L*I9L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J15G 8J16C		8J14G 8J24B		2050 2013		24,120 24,25		I10L 010L, I11H, I12H I6L
002002	4J22A	000000	4J20A	160002	2920	000151	96	681	I8H, I9H, I10H
002002	8J18G	000000	8J17G	200000	2000	000151	117	682	I6L, I7L, I9L, I10L
	8J34A 8J20G 8J07G		8J33A 8J22G 8J03G		3780 3850 2050		130 131 81		I9L*I8L 014L I12L
002002	4J24A	000000	4J21A	320002	2070	000151	96	683	I6L, 012H
	4J25E 4J26B		4J24B 4J27B		2050 2050		96 96		I7H, I8H I11H, I12H
002002	8J02E	000000	8J06B	341777	2070	000151	24,25	684	011L, I5H
	8J15D 3J07C		8J12D 3J05C		2013 2920		24 24		I8L 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
002002	8J19G	000000	8J18G	400000	2000	000151	117	685	I5L, I6L, I7L, I9L, I10L
	8J24B		8J32A		2013		122		I6L, 013L*014L* 015L
	8J27B 8J16C 8J33A 8J20G 8J07G		8J26B 8J02D 8J34A 8J22G 8J03G		3640 2013 3780 3850 2050		122 24,25 130 131 81		013L, I7H I7L I9L*I8L 015L I6L
002002	4J24G	000000	4J23G	503400	2050	000151	94	686	I6L
002002	7J11C	000000	7J10C	505640	2000	000151	105	687	I7L
002002	8J17D	000000	8J16D	561777	2013	000151	25	688	I8L, 010L*011L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J16B		8J11B		2060		25		012L 015L, I11H, I12H
002002	000000		720002		000151		689		
	4J26A		4J24A		2070		93,93,96		110L, 015H
002002	000000		764362		000151		690		
	4J26F		4J24F		2070		91,94,100		17L, 013H
	4J27F		4J25F		2920		91		111H, 112H, 113H, 114H
	4J24G		4J23G		2050		94		15H, 16H
	4J22G		4J21G		2050		94		17L
	4J22F		4J20F		2920		94		11LL
002002	000000		770000		000151		691		
	8J19D		8J18D		2013		25		16L, 013L*014L* 015L
002002	000000		777777		000151		692		
	8J16C		8J24B		2013		24,25		19L, 010L*011L* 012L
	8J30D		8J29D		3680		124		06H, 07H, 08H 09H
	8J02A		8J11B		2060		25		015H
	8J17D		8J16D		2013		25		013H*014H*015H
	8J02B		8J07D		2013		6		013H*014H*015H
002015	000000		000000		000151		693		
	3J19G		3J18G		2060		46		013L, 15H, 16H, 17H
	8J14B		8J15B		2000		114		15L
	8J15A		8J14A		2000		114		15L
	3J17F		3J16F		2030		47,48		112L
002015	000000		000007		000151		694		
	7J06G		7J07G		2000		111		16L
002015	000000		000016		000151		695		
	7J06F		7J07F		2000		111		16L
002015	000000		000026		000151		696		
	7J07F		7J06F		2000		111		16L
002015	000000		000046		000151		697		
	7J08F		7J07F		2000		111		16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002015	7J06E	000000	7J07E	000106	2000	000151	112	698	I6L
002015	8J15E 8J16E	000000	8J17E	000147	2000	000151	114	699	I5L
002015	7J07E	000000	7J06E	000206	2000	000151	112	700	I6L
002015	7J08E	000000	7J07E	000406	2000	000151	112	701	I6L
002015	7J06C	000000	7J07C	001006	2000	000151	112	702	I6L
002015	7J07C	000000	7J06C	002006	2000	000151	112	703	I6L
002015	7J08C	000000	7J07C	004006	2000	000151	112	704	I6L
002015	7J06B	000000	7J07B	010006	2000	000151	113	705	I6L
002015	7J07B	000000	7J06B	020006	2000	000151	113	706	I6L
002015	7J08B	000000	7J07B	040006	2000	000151	113	707	I6L
002015	7J06A	000000	7J07A	100006	2000	000151	113	708	I6L
002015	7J07A	000000	7J06A	200006	2000	000151	113	709	I6L
002015	3J23A	000000	3J03E	324647	2030	000151	41	710	I7L
002015	7J08A	000000	7J07A	400006	2000	000151	113	711	I6L
002015	3J23B	777772	3J21B	777773	2060	000000	41	712	I6L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002021		000000		400000		000151		713	
	3J22B		3J05B		2080		41		I11L

002025		000000		400000		000151		714	
	8J09B		7J18G		2030		107		010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	8J09E		9J04A		2030		107		010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	8J06D		7J25F		2220		34,107		16L,17L,18L,19L, 014H,16L*17L* 18L
	8J11A		8J07A		2050		118		15H,16H
	3J11E		3J08E		2920		29		15H,16H,17H
	8J11B		8J16B		2060		118		112L
	7J02C		7J18C		2030		23,30		19L
	3J02A		3J07A		2920		21		111L

002026		000000		000006		000151		715	
	7J31D		7J27D		2013		31		18L

002031		000000		400000		000151		716	
	4J35E		4J31E		2030		29		115L,011H,112L* 113L*114L
	4J35C		4J35B		2220		21,29		113H

002036		000000		400000		000151		717	
	3J13D		3J04D		2070		07,29,10		012L,16H
	3J31D		3J02D		2050		29,03		09L,17H,18H
	3J13G		3J07G		2920		35		18H,19H
	3J15G		3J05G		2060		55,35,34		18L
	3J06D		3J03D		2920		24		114L

002043		000000		400000		000151		718	
	3J20F		3J19F		2060		27,45		014L,16H,19H, 110H
	3J26C		3J23C		2060		22,35		015L,111H,112H
	3J18D		3J16D		2070		47		110L,015H
	3J20G		3J16G		2070		8,45		16L,012H
	3J25E		3J23E		2013		16		17L
	3J03B		3J06G		2040		18		18L
	3J09A		3J07A		2920		23		15L
	3J13G		3J07G		2920		35		114L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
002050	000000	400000	000151	719	
FOR FURTHER ISOLATION REFER TO TABLE 8-50.					
3J11A	3J16A	2060	27,30		I5L,013L,I5H, I6H,I7H
3J12F	3J13F	2060	47		I10L,013L,I5H, I6H,I7H
3J08C	3J22E	2080	22		O5L,I8L,I14L, I6H,I7H,I8H
4J04B	4J02B	2900	27		I12H,C6H*08L, 06H
3J20F	3J21F	2060	27,45		O13L,I5H,I6H, I7H
3J13A	3J16A	2060	27		I12L,015H,I11L* I12L
3J16G	3J14G	2070	09,35,9,48		I7L,013H
4J22E	4J21E	2920	93		I6L,015H,I11L* I12L*I13L,I5L* I6L*I7L,I8L*I9L* I10L
4J27G	4J26G	2050	91,94		O9L,I7H,I8H
7J06D	7J04D	2013	23		I9L
3J07A	3J02A	2920	23		I11H,I12H,I13H, I14H
4J22G	4J21G	2050	94		I11H,I12H
4J20F	4J11F	2920	94		I5H,I6H,I7H
3J29G	3J26G	2040	12		I11H,I12H
3J06A	3J16A	2060	19,30		I11L
3J19F	3J13F	2060	46		I12L
3J21D	3J17D	2060	44		I11L
3J26C	3J23C	2060	22,35		I11L
4J04C	4J03C	2060	27,36		I6L
4J20A	4J13A	2920	96		I13L
4J20C	4J22C	2920	95		I9L
002063	000000	000000	000151	720	
8J07D	8J03D	2013	107		I7L,010L*011L* 012L
8J12F	8J06E	2070	107,119,120		O11L,I5H
3J18C	3J17C	2060	47		I7L
8J07F	8J06F	2050	81		I7L
002063	000013	000013	000151	721	
8J07A	8J06A	2050	79		I7L
002063	445334	445334	000151	722	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PAC AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CF	PLATE	SYMPTOM	FAULT
	8JL7C		8JL8C		2050	80		113L
002063	501200		501200		000151		723	
	8JL6F		8JL4F		2050	81		113L
002063	760424		760424		000151		724	
	8JL7E		8JL4E		2050	80		17L
002065	177777		177777		000151		725	
	3J22B		3J05B		2080	41		05L,16H,17H,12H
	3J24C		3J12C		2070	44,41,40,14		16L,012H
	3J05E		3J09D		2040	17		17H,18H
002073	070707		353535		000151		726	
	4J19C		4J18C		2000	87		19L
002073	377777		624437		000151		727	
	8JL6F		8JL4F		2050	81		17L
002102	377777		000000		000151		728	
	3J17D		3J08D		2060	47		17L
002113	377777		040002		000151		729	
	8JL7F		8JL6F		2050	81		113L
002113	377777		200002		000151		730	
	4J24B		4J23B		2050	96		15H,16H
	8JL7G		8JL3G		2050	81		113L
002113	377777		400002		000151		731	
	4J23A		4J22A		2920	96		15H,16H,17H
002131	377777		000001		000151		732	
	4JL3G		4J27F		2920	39		18L
002131	377777		000004		000151		733	
	3J16D		3J13D		2070	48		014L,19H
002131	377777		777777		000151		734	
	3J18A		3J16A		2060	47		015L,111H,112H
	3J16B		3J08B		2060	48,27,36		16L
002132	377777		000002		000151		735	
	4J32B		4J30B		2900	102		114L
002132	377777		353535		000151		736	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	8J06G		8J02G		2070	81		015L, 110H
	3J07H		3J06B		2060	23, 19		111L
	8J04G		7J16G		2080	40, 107		112L
002143		377777		000002	000151		737	
	8J14A		8J15A		2000	114		15L
	3J23A		3J03E		2030	41		15L
002155		377777		000000	000151		738	
	8J23D		8J27D		3670	124		114L, 110H, 111H, 112H, 113H, 114H, 115H, 113L*114L* 115L, 15H, 07H
	8J29A		8J28A		3640	122		17L, 012L, 013L, 15H, 17H, 013H
	8J29C		8J27C		3621	123		19H, 110H, 111H, 19H*110H*111H
	8J15D		8J12D		2013	24		15H, 16H, 013H* 014H*015H
	8J28C		8J27C		3621	123		15H, 16H, 17H 012H*013H
	8J02E		8J03E		2050	24, 33		010L, 111L, 111H, 112H
	8J04D		8J29E		2060	24, 121		18L, 014H, 18L* 19L*110L
	8J30A		8J05A		2070	122		19L, 110L, 014H 015H
	8J24D		8J27D		3670	124		110L, 113L
	8J35D		8J34D		3780	129		15L
	3J17B		3J16B		2060	47		19L
	8J15A		8J14A		2000	114		15L
	8J25A		3J35A		2120	122		013L
	3J06D		3J03D		2920	24		110L
002155		377777		430001	000151		739	
	3J12A		3J14A		2070	03, 07, 09, 53		011L, 15H
	3J09A		3J07A		2920	23		17L
002155		377777		777777	000151		740	
	3J17B		3J16B		2060	47		015L, 111H, 112H
	3J17G		3J15G		2060	47		111L
002166		377777		000000	000151		741	
	8J29C		8J27C		3621	123		15L, 15L*16L*17L
	8J25D		8J26D		3630	124		06L, 110L*111L* 114L

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J28C		8J27C		3621		123		19L
	8J30A		8J05A		2070		122		16L
	3J05E		3J09D		2040		17		17L
002166		377777		000002		000151		742	
	8J29B		8J16B		2060		122		014L,18H,19H, 110H
	8J28A		8J29A		3640		122		012L,013H
	8J30A		8J05A		2070		122		012H
	8J30B		8J30C		3760		124		15L
002166		377777		777777		000151		743	
	3J17B		3J16B		2060		47		014L,18H,19H, 110H
	3J21A		3J19A		2160		44		110L
002200		000002		000006		000151		744	
	3J18F		3J13F		2060		47		17L
002212		000002		000000		000151		745	
	3J08A		3J10A		2050		17,23		15L
002212		000002		000010		000151		746	
	3J16A		3J13A		2060		48,28		110L
002212		000002		777777		000151		747	
	3J16A		3J13A		2060		48,28		013L,15H,16H, 17H
002214		000002		077777		000151		748	
	3J17A		3J14A		2070		47,48		19L,014H
	3J08A		3J10A		2050		17,23		15H,16H
002224		000002		777700		000151		749	
	3J07B		3J06B		2060		23,19		013L,15H,16H, 17H
	7J08D		7J07D		2013		23		15L
002224		000002		777777		000151		750	
	3J21A		3J19A		2160		44		113L
002234		000002		100000		000151		751	
	6J25A		6J24A		0651		163		148H
	4J08D		4J07D		2013		17,26		17L
	8J07B		8J04B		2050		79		17L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002234	4J09F	777757	4J08F	117771	2040	000151	82	752	I5L, I13L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L
002235	4J25E 4J22F	000002	4J13E 4J20F	100000	2050 2920	000151	91,92 94	753	I13L I11L
002242	3J21F 3J23G 3J06G 3J18C	077777	3J20F 3J20G 3J03G 3J17C	677777	2060 2070 2040 2060	000151	44 14,41,44,46 17 47	754	015L, I11H, I12H I7L, 013H I11L, I11H, I12H I11L
002246	4J22F 8J07A 4J27F	077777	4J20F 8J06A 4J25F	677777	2920 2050 2920	000151	94 79 91	755	I11H, I12H, I13H, I14H I13L I12L
002256	3J19B	077777	3J18B	505640	2050	000151	47,46	756	I11H, I12H
002257	3J28E	077777	3J24E	505640	2900	000151	12	757	I10L
002263	3J18A	077777	3J16A	000000	2060	000151	47	758	I11L
002263	4J09C	077777	4J08C	000255	2040	000151	83	759	I12L
002263	4J10C	077777	4J09C	003255	2040	000151	83	760	I11H, I12H
002263	3J04B	077777	3J03B	004611	2920	000151	21	761	I12L
002302	4J34B	077777	4J33B	505640	2900	000151	102	762	I5L
002302	8J07B	707070	8J04B	776707	2050	000151	79	763	I13L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002332		707070		000000		000151		764	
	3J06A		3J11A		2060		19,38		17L,18L,013L, 15H,16H,17H, 013H,014H,15L* 16L*17L,18L*19L* 110L
	4J02D		4J03D		2013		38		17H,18H,19H, 010H*011H*012H
	7J21B		7J20B		2020		37		115L,15H,16H, 17H,011H*012L, 115L*114L*115L, 011H
	4J02F		4J28F		2900		39		114H,013H*015L, 013H
	3J05D		3J08D		2060		33		014L,18H,19H, 110H
	4J04C		4J03C		2060		27,38		111L,112L,015H, 111L*112L
	3J06C		3J03C		2070		17,38,19		17L,013H
	3J17A		3J14A		2070		47,48		110L,015H
	7J23C		7J16C		2070		37,49		19L,014H
	8J05A		8J30A		2070		79		16L,012H
	4J04E		4J03E		2920		39		111H,112H,113H, 114H

002332		707070		000011		000151		765	
	4J02G		4J28G		2900		39		15L
	4J03G		4J27F		2920		39		112L

002332		707070		000012		000151		766	
	4J02G		4J28G		2900		39		114L
	4J04F		4J11F		2920		39		19L

002332		707070		000014		000151		767	
	4J02F		4J28F		2900		39		15L
	4J03E		4J04E		2920		39		18L

002332		707070		000030		000151		768	
	8J05A		8J30A		2070		79		011L,15H
	4J02E		4J28E		2900		39		17L
	7J20A		7J11A		2000		37		16L
	4J04G		4J13G		2050		27,39		111L

002332		707070		777777		000151		769	
	3J16A		3J13A		2060		48,28		014L,18H,19H, 110H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J16B		3J08B		2060		48,27,36		I7L
002343		707070		770000		000151		770	
	3J16A		3J13A		2060		48,28		I5L
002343		707070		777703		000151		771	
	4J02F		4J28F		2900		39		I5H,06H*08L,06H
	4J03E		4J04E		2920		39		I8H,I9H,I10H
002343		707070		777705		000151		772	
	4J02G		4J28G		2900		39		I14H,013H*015L,013H
	4J04F		4J11F		2920		39		I8H,I9H,I10H
002343		707070		777706		000151		773	
	4J02G		4J28G		2900		39		I5H,06H*08L,06H
	4J03G		4J27F		2920		39		I11H,I12H,I13H,I14H
002343		707070		777717		000151		774	
	7J23C		7J16C		2070		37,49		014L,I9H
	8J05A		8J30A		2070		79		012L,I6H
	4J02F		4J28F		2900		39		I14L
	7J21B		7J20B		2020		37		I6L
	4J04E		4J03E		2920		39		I12L
002353		707070		000000		000151		775	
	3J03E		3J17E		2030		18		I7L
002353		707070		000010		000151		776	
	7J20A		7J11A		2000		37		I15L,I5H,I6H,013H*014L,013H
	4J02E		4J28E		2900		39		I5H,06H*08L,06H
	8J05A		8J30A		2070		79		I5L,011H
	4J04G		4J13G		2050		27,39		010L,I11H,I12H
	4J09F		4J08F		2040		82		I14L
002353		707070		000033		000151		777	
	4J02G		4J28G		2900		39		I11L
002432		000000		100000		000151		778	
	5J23A		5J22A		0651		164		I36H
002432		100000		000076		000151		779	
	6J33E		6J32E		0651		168		I36H,I40H,I41H,I42H,I44H,I45H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J33A	5J32A			0651		159		I47H,I36L,I51L, I52L,I54L I40H,I44H,I45H, I47H,I36L,I51L, I52L,I54L
	6J33A	6J32A			0651		159		I40L,I42L
	5J15C	5J13C			0761		137,175		I28H,052H,I25H* I28H
	6J15C	6J13C			0761		137,175		I25H
	8J03B	8J04B			2050		111		I13H,I14H,I15H

002432		107070		100000		000151		780	
	5J22A	5J21A			0651		165		136L

002432		111071		100000		000151		781	
	5J22A	5J21A			0651		165		I41H,I42H,I52L
	5J23C	5J21C			0761		135,138,175		045H

002432		115071		100000		000151		782	
	5J22A	5J21A			0651		165		I45H,I47H,I51L, I54L
	5J23C	5J21C			0761		135,138,175		I31H,I31H*I32H
	8J03G	8J07G			2050		113		I7H,I8H

002432		307070		040000		000151		783	
	6J22E	6J21E			0651		174		136L

002432		307111		100000		000151		784	
	5J22A	5J21A			0651		165		140H

002432		315070		040000		000151		785	
	6J22E	6J21E			0651		174		I52L,I54L
	6J23C	6J21C			0761		135,138,175		I32H

002432		342414		100000		000151		786	
	5J37A	5J36A			0651		157A		I36H,I40H,I41H, I42H

002432		411043		010000		000151		787	
	6J22A	6J21A			0651		165		I40L

002432		507111		040000		000151		788	
	6J22E	6J21E			0651		174		I40H

002432		511111		040000		000151		789	
	6J22E	6J21E			0651		174		I42H

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TABLE 3-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
002432	6J22A	576742	6J21A	020000	000151	165	790	I42L
002432	8J13B	707070	8J07B	000160	000151	118	790A	09H
002432	8J28A	707070	8J29A	000360	000151	122	790B	013H
002432	8J13A	707070	8J06A	003400	000151	118	790C	010H
002432		707070		010000	000151		791	
FOR FURTHER ISOLATION PERFORM CHECKERBOARD MEMORY AND MANUAL MEMORY TESTS OP 3514 VOL. 2. PART 1 TABLES 7-8 AND 7-9.								
	6J23C		6J21C		0761	135,138,175		018H,024H,15L, I11L,06L*018H* 024H
	6J33C		5J35C		0900	136,135,145		116H,131H,123L, I24L,035L*036L
	6J35C		5J35C		0900	136,145		123L,124L,035L* 036L
	6J19B		6J19D		0431	142		147H,151L,153L, I54L
	6J21B		6J19D		0431	139		147H,151L,153L, I54L
	6J23A		6J22A		0651	164		I40L
	6J24A		6J25A		0651	164		I40L
	6J26A		6J25A		0651	163		I40L
	6J37A		6J36A		0651	157A		I40L
	6J38B		6J19D		0431	139		I53H
	6J40B		6J19D		0431	142		I53H
	4J33F		4J32F		2900	103		I12H,06H*08L, 06H
	7J10B		7J08B		2000	105		I5H,I6H,I7H,I8H
	4J16F		4J15F		2000	86		I9H,I10H
002432		707070		020000	000151		792	
FOR FURTHER ISOLATION PERFORM CHECKERBOARD MEMORY AND MANUAL MEMORY TESTS OP 3514 VOL. 2. PART 1 TABLES 7-8 AND 7-9.								
	6J23C		6J21C		0761	135,138,175		010H,012H,I20L, I22L,019L*010H* 012H

TABLE 2-19. PROGRAM EXECUTION, PRE AIXAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J33C		5J35C		0900		136,135,145		115H,132H,127L, 126L,029L*030L
	6J35C		5J35C		0900		136,145		122H,127L,128L, 029L*030L
	6J38B		6J19D		0431		139		154H,147L,148L, 152L
	6J40D		6J19D		0431		142		154H,147L,148L, 152L
	6J23A		6J22A		0651		164		142L
	6J24A		6J22A		0651		164		142L
	6J25A		6J26A		0651		163		142L
	6J37A		6J36A		0651		157A		142L
	6J32B		6J31B		0400		140		119H
	6J19B		6J19D		0431		142		140H
	6J21B		6J19D		0431		139		140H
	7J11B		7J10B		2000		105		115L,15H,16H, 17H,18H,013H* 014L,013H
	4J33F		4J32F		2900		103		19H,013H*015L, 013H
	4J15F		4J14F		2000		86		19H,110H

002432		707070		030000		000151		793	
	6J32B		6J31B		0400		140		141H
	6J33C		5J35C		0900		136,135,145		09H*010H
	6J35C		5J35C		0900		136,145		115H

002432		707070		032100		000151		794	
	7J21C		7J20C		2000		37		15L

002432		707070		040000		000151		795	
FOR FURTHER ISOLATION PERFORM CHECKERBOARD MEMORY AND MANUAL MEMORY TESTS OP 3514 VOL. 2. PART 1 TABLES 7-8 AND 7-9.									
	6J37E		6J26E		0651		166A		136H,140H,141H, 142H,145H,147H, 136L,151L,152L, 154L
	6J23E		6J26E		0651		173		136H,140H,142H, 144H,136L,144L, 148L,152L,154L
	6J31C		6J29C		0040		136		110H,111H,119H, 123H,130H,134H, 136H,139H,141H, 143H,151H,19L, 119L,131L,015H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE	SYMPTOM PLATE	FAULT
						020H, C17H*025H, 027H*028H, 045H* 048H, 047H*053H, 015L*020L, 017L* 025L, 027L*028L, 045L*048L, 047L* 053L, 110L, 112L, 121L, 122L, 133L, 134L
	6J35C	5J35C	0900		136, 145	13H, 134H, 145H, 151H, 153H, 13L, 14L, 133L, 134L, 011H*012H, 019H* 020H, 039H*040H, 041H*042H, 047H* 048H, 011L*012L, 019L*020L
	6J25E	6J26E	0651		172	136H, 140H, 142H, 136L, 152L, 154L
	6J33C	5J35C	0900		136, 135, 145	145H, 133L, 134L, 153L, 154L, 019H* 020H, 047H*048H, 019L*020L, 041L* 042L
	6J27D	6J34E	0400		150	125H, 127H, 125L, 126L, 127L, 129L, 130L
	6J25D	6J36B	0421		148	144H, 146H, 148H, 146L, 148L, 152L
	6J36D	6J36B	0421		151	144H, 146H, 148H, 146L, 148L, 152L
	6J24E	6J26E	0651		173	136H, 144L, 148L
	6J27E	6J26E	0651		171	144L, 147L, 148L
	6J28E	6J26E	0651		171	144L, 147L, 148L
	6J29E	6J26E	0651		170	144L, 147L, 148L
	6J30E	6J26E	0651		170	144L, 147L, 148L
	6J31E	6J26E	0651		169	144L, 147L, 148L
	6J32E	6J26E	0651		169	144L, 147L, 148L
	6J33F	6J26E	0651		168	144L, 147L, 148L
	6J34E	6J26E	0651		168	144L, 147L, 148L
	6J35E	6J26E	0651		167	144L, 147L, 148L
	6J36E	6J26E	0651		167	144L, 147L, 148L
	6J38E	6J26E	0651		166	144L, 147L, 148L
	6J21E	6J26E	0651		174	144L, 148L
	6J13C	6J15C	0761		137, 175	024H, 132H, 012L, 024L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J19D		6J40B		0431		147		152H,154H,147L, 148L,152L
	6J21D		6J40B		0431		150		152H,154H,147L, 148L,152L
	6J25D		6J34B		0400		147,150		119H,117L,118L
	6J34D		6J34B		0400		148,151		139L,141L,142L
	6J21C		6J15C		0761		135,136,138,175		024H,132H,131H* 132H
	6J21A		6J22A		0651		165		154H
	6J22E		6J26E		0651		174		136H
	6J23A		6J22A		0651		164		154H
	6J24A		6J25A		0651		164		154H
	6J27A		6J26A		0651		162		154H
	6J28A		6J26A		0651		162		154H
	6J29A		6J26A		0651		161		154H
	6J30A		6J26A		0651		161		154H
	6J31A		6J26A		0651		160		154H
	6J32A		6J37A		0651		160		154H
	6J33A		6J37A		0651		159		154H
	6J34A		6J37A		0651		159		154H
	6J35A		6J37A		0651		158		154H
	6J36A		6J37A		0651		158		154H
	6J38A		6J37A		0651		157		154H
	6J32D		6J34B		0400		151		117L,118L
	6J17C		6J15C		0761		136,137,175		024H,154H
	6J19C		6J15C		0761		135,136,138,175		024H,03H*04H
	6J37C		6J29C		0040		136,145		119H,123H,017L* 025L
	6J29D		6J34B		0400		148		142H
	6J31B		6J29B		0400		143,147		117H
	6J23C		6J15C		0761		135,138,175		127H
	6J38D		6J40B		0431		150		148H
	6J40D		6J40B		0431		147		148H
	7J10A		7J08A		2000		105		115L,15H,16H, 17H,18H,013H* 014L,013H
	4J32G		4J30G		2900		103		112H,00H*08L, 06H
	7J04E		7J03E		2060		134		013L,15H,16H, 17H
	4J14F		4J15F		2000		86		19H,110H

	002432		707070		070000		000151		795A
	3J02E		3J04E		2060		18		013H
	4J15D		4J14D		2013		18		013H,014H,015H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
002432	707070	100000	000151	796	
FOR FURTHER ISOLATION PERFORM CHECKERBOARD MEMORY AND MANUAL MEMORY TESTS OP 3514 VOL. 2. PART 1 TABLES 7-8 AND 7-9.					
5J24A	5J23A	0651	164		I36H, I40H, I44H, I53H, I44L, I47L, I48L
5J31A	5J28A	0651	160		I36H, I53H, I44L, I47L, I48L
5J32A	5J34A	0651	160		I36H, I53H, I44L, I47L, I48L
5J36A	5J37A	0651	158		I36H, I53H, I44L, I47L, I48L
5J38A	5J37A	0651	157		I36H, I53H, I44L, I47L, I48L
5J13C	5J19C	0761	137, 175		018H, I5L, 010L, I25L, I27L, I28L, I30L, 052L, 053L, I54L, 06L*018H* 024H
5J30A	5J28A	0651	161		I53H, I44L, I47L, I48L
5J17C	5J19C	0761	136, 137, 175		I25L, I27L, I28L, I30L, I31L, I32L, 045L, 052L, 053L
5J34B	5J32B	0400	140, 142		I25H, I27H, I25L, I26L, I27L, I29L, I30L
5J21C	5J19C	0761	135, 136, 138, 175		I25L, I28L, 052L, 03L*04L
5J21A	5J23A	0651	165		I36H
5J22A	5J23A	0651	165		I36H
5J27A	5J26A	0651	162		I36H
5J29A	5J28A	0651	161		I36H
5J33A	5J34A	0651	159		I36H
5J35A	5J34A	0651	158		I36H
5J27B	5J25B	0400	139, 142		I29H
5J31B	5J29B	0400	143, 147		I35H
5J15C	5J19C	0761	137, 175		I5L
7J11A	7J10A	2000	105		I15L, I5H, I6H, I7H, I8H, 013H* 014L, 013H
4J32G	4J30G	2900	103		I9H, 013H*015L, 013H
7J04F	7J03F	2060	51, 134		I8L, 014H, I8L* I9L*I10L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J16G		4J15G		2000		86		I9H, I10H
	8J03C		8J06C		2050		112		I7L, I13L
	7J04E		7J03E		2060		134		I8L
	8J03A		8J06A		2050		111		I7L
	8J03F		8J04F		2050		113		I7L
	8J04B		8J03B		2050		111		I7L
	8J04E		8J03E		2050		112		I7L
002432	4J15D	707070	4J14D	130000	2013	000151	18	797	013H*014H*015H
002432	4J15D	707070	4J14D	X70000	2013	000151	18	798	I5H, I6H
	3J30B		3J28B		2900		13		I9L, 013L*015H, 015H
	3J02E		3J04E		2060		18		I5L, I6L, 013H, 15L*16L*17L
	3J03E		3J17E		2030		18		011L, I12H, I13H, I14H, I15H
	3J26E		3J21E		2060		15, 16		I10L, 014H, I6L* I9L* I10L
	3J18E		3J20E		2070		48, 46		I9L, 014H
	4J03C		4J04C		2060		39		I11L
	8J14A		8J15A		2000		114		I8L
	4J04G		4J13G		2050		27, 39		I14L
	8J06A		8J03A		2050		79		I13L
	8J06C		8J03C		2050		30		I13L
	8J07C		8J11C		2050		80		I7L
	3J02A		3J07A		2920		21		I5L
	4J04F		4J11F		2920		39		I5L
002432	8J14A	707070	8J15A	300000	2000	000151	114	799	I7L
002432	8J15A	707070	8J14A	342414	2000	000151	114	800	I5H, I6H
002432	4J04C	707070	4J03C	777777	2060	000151	27, 38	801	015L, I11H, I12H
	3J05D		3J08D		2060		38		014H, I6L* I9L* I10L
002432	6J03C	707071	6J35C	040000	0900	000151	136, 135, 145	802	I33H
002432		742414		010000		000151		803	

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TABLE 8-19. PROGRAM EXECUTION, FRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J35C		6J33C		0900		136,145		I24H
002443	3J17E	U70707	3J03E	707770	2030	000151	48	804	I15L
002443	6J35E	707070	6J34E	000000	0651	000151	167	805	I36H, I40H, I41H, I42H, I45H, I47H, I36L, I51L, I52L, I54L
	5J35A		5J34A		0651		158		I40H, I44H, I45H, I47H, I48H, I36L, I51L, I52L, I54L
	5J15C		5J13C		0761		137,175		I30H, 053H, I27H* I30H
	6J35A		6J34A		0651		158		I42L
	6J15C		6J13C		0761		137,175		I27H
	3J03E		3J17E		2030		18		010L, I5H, I6H, I7H, I8H, I9H
	5J19G		3J18G		2060		46		I11L, I15H, I11L* I12L
	8J04B		8J03B		2050		111		I13H, I14H, I15H
	4J02E		4J28E		2900		39		I11L
	3J02H		3J06B		2060		21,16		I12L
	4J03F		4J31D		2060		39		I6L
002443	3J16E	707070	3J10E	070007	2060	000151	48	806	015L, I11H, I12H
	3J16F		3J03F		2030		48		011H, I12L*I13L* I14L
	3J05D		3J08D		2060		38		I6L
002443	6J35A	707070	6J34A	070017	0651	000151	158	807	I40L
002443	6J34A	707070	6J33A	070027	0651	000151	159	808	I40L
002443	6J31A	707070	6J30A	070207	0651	000151	160	809	I48H
002443	6J30A	707070	6J29A	070407	0651	000151	161	810	I40L
002443		707070		072007		000151		811	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	6J28A		6J27A		0651	162		I40L
002443		707070		470007	000151		812	
	6J21A		6J22A		0651	165		I40L
002443		707070		557775	000151		813	
	3J03C		3J06C		2070	07,11,21,18		013L,17H
	3J07A		3J02A		2920	23		18L
002443		777777		071007	000151		814	
	6J29A		6J28A		0651	161		I40L
003003		027400		000706	000151		815	
	4J18E		4J17E		2000	86		I5L
003110		000000		000706	000151		816	
	4J24D		4J23D		2050	95		I13H,I14H,I15H
003112		000000		000001	002035		817	
	3J20A		3J05B		2080	44,45		I13L
003112		177777		200000	000000		818	
	7J16E		7J19E		2070	10,49,50,54		I7L,013H
003112		177777		200000	000151		819	
	7J03D		7J02D		2013	06		013H*014H*015H
003112		177777		200000	002030		820	
	3J15G		3J05G		2060	55,35,34		014L,I8H,I9H, I10H
	3J13D		3J04D		2070	07,29,10		I6L,012H
	3J14G		3J09G		2070	55,35,29		I6L,012H
	7J20G		7J21G		2020	35		I5H,I6H,I7H
003112		177777		200000	002035		821	
	3J17G		3J15G		2060	47		I12L,015H,I11L* I12L
	3J05E		3J09D		2040	17		I5H,I6H
	3J18F		3J13F		2060	47		I5L
003120		000000		000001	002035		822	
	8J17A		8J15A		2000	115		I7H,I8H
003120		000000		200000	002024		823	
	8J08G		8J09F		2900	120		I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003120		000000		200000		002035		824	
	8J18D		8J17D		2013		25		15H,16H,013H*
	8J02B		8J06B		2070		24,25		014H*015H
	3J06D		3J03D		2920		24		110L,015H
									18H,19H,110H
003120		000000		200000		764362		824A	
	3J02B		3J06B		2060		21		014H
003120		000000		200000		777777		825	
	8J03D		8J02D		2013		06		15H,16H
	8J09D		8J08D		2013		21,25		013H*014H*015H
	8J02A		8J11B		2060		21,25,54		15L,013L*014L*
									015L
									013L,15H,16H,
									17H
003120		000001		200000		000000		826	
	3J13D		3J04D		2070		07,29,10		013L,17H
003120		000001		200000		764362		827	
	8J08D		8J07D		2013		21		17H,18H,19H,
	8J09D		8J12D		2013		21,25		010H*011H*012H
	8J03D		8J02D		2013		06		15H,16H,013H*
	8J02A		8J11B		2060		21,25,54		014H*015H
	3J13D		3J04D		2070		07,29,10		15L,013L*014L*
									015L
									15L,16L,013H,
									15L*16L*17L
									17L,013H
003120		000002		000001		002024		828	
	3J02D		3J31D		2050		16,25		113L
003120		000003		000001		002024		829	
	8J12B		8J06B		2070		118,119		110L,015H
	8J13A		8J03B		2050		118		15H,16H
	8J11A		8J07A		2050		118		09L
003120		000003		000001		002035		830	
	8J11A		8J07A		2050		118		17H,18H
003120		000004		000002		002024		831	
	8J18A		8J17A		2000		115		17L
003120		000004		000002		177777		832	

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TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAF	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J08A	8J09A			2900		118		111L
003120	7J07G	000004	7J06G	000002	2000		111	833	16L
003120	8J11B	000006	8J16B	000002	2060		118	834	015H, I11L*I12L
	8J13A		8J11A		2050		118		111H, I12H
003120	7J08G	000010	7J07G	000004	2000		111	835	16L
	8J19A		8J18A		2000		115		17L
003120	8J12B	000014	8J06B	000004	2070		118, 119	836	19L, 014H
	8J13B		8J07B		2050		118		15H, 16H
	8J12A		8J12C		2920		118		015L
003120	8J09A	000020	8J08A	000010	2900		118	837	111L
003120	8J11B	000030	8J16B	000010	2060		118	838	014H, 16L*19L*
	8J13B		8J07B		2050		118		110L 111H, I12H
003120	8J12B	000060	8J06B	000020	2070		118, 119	839	17L, 013H
	8J13C		8J11C		2050		118, 119		15H, 16H
	8J12C		8J12A		2920		118		015L
003120	8J08B	000100	8J09A	000040	2900		118	840	111L
003120	8J11G	000120	8J11E	200000	2060		107, 120	841	16L
003120	8J11B	000140	8J16B	000040	2060		118	842	013H, 15L*16L*
	8J13C		8J11C		2050		118, 119		17L 111H, I12H
003120	8J12B	000300	8J06B	000100	2070		118, 119	843	16L, 012H
	8J14C		8J13C		2050		119		15H, 16H
	8J11D		8J12C		2920		119		015L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003120	8J08C	000400	8J09C	000200	2900	000020	119	844	111L
003120	8J11E 8J14C	000600	8J04D 8J13C	000200	2060 2050	002024	119 119	845	015H, 111L*112L 111H, 112H
003120	8J12B 8J14D 8J12E	001400	8J06B 8J13D 8J13E	000400	2070 2050 2920	002024	118, 119 119 119	846	15L, 011H 15H, 16H 015L
003120	8J09C	002000	8J08C	001000	2900	342535	119	847	111L
003120	8J11E 8J14D	003000	8J04D	001000	2060	002024	119 119	848	014H, 18L*19L* 110L 111H, 112H
003120	8J12F 8J14E 8J13E	006000	8J06E 8J07E 8J12E	002000	2070 2050 2920	002024	107, 119, 120 119, 120 119	849	110L, 015H 15H, 16H 015L
003120	8J08E	010000	8J09C	004000	2900	446540	119	850	111L
003120	8J11E 8J14F	014000	8J04D 8J07E	004000	2060 2050	002024	119 119, 120	851	013H, 15L*16L* 17L 111H, 112H
003120	8J12F 8J14F 8J13F	030000	8J06E 8J11F 8J13E	010000	2070 2050 2920	002024	107, 119, 120 120 120	852	19L, 014H 15H, 16H 015L
003120	8J08F	040000	8J09F	020000	2900	125334	120	853	111L
003120	8J11G 8J14F	060000	8J11E 8J11F	020000	2060 2050	002024	107, 120 120	854	015H, 111L*112L 111H, 112H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003120		140000		040000		002024		855	
	8J12F		8J06E		2070		107,119,120		17L,013H
	8J14G		8J09G		2050		120		15H,16H
	8J12G		8J13G		2920		120		015L

003120		177776		200000		002035		856	
	3J12E		3J09B		2020		27		113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H

003120		177777		200000		002020		857	
	8J08A		8J09A		2900		118		112H,06H*08L, 06H

003120		177777		200000		002035		858	
	3J31D		3J02D		2050		29,03		15L
	3J17F		3J16F		2030		47,48		115L

003120		177777		200000		764362		859	
	8J15B		8J14B		2000		114		15L

003120		200000		004000		002030		860	
	3J17D		3J08D		2060		47		19L

003120		200000		100000		002035		861	
	3J05E		3J09D		2040		17		15L

003120		200000		100000		777777		862	
	8J09F		8J08F		2900		120		111L

003120		200001		200000		002024		863	
	8J17A		8J15A		2000		115		18L

003120		200002		200000		002024		864	
	8J18A		8J17A		2000		115		18L
	8J13A		8J11A		2050		118		09L

003120		200004		200000		002024		865	
	8J19A		8J18A		2000		115		18L
	8J13A		8J11A		2050		118		010L

003120		200010		200000		002024		866	
	8J17B		8J15B		2000		115		18L
	8J13B		8J07B		2050		118		09L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
003120		200020		200000	002024		867	
	8J18B		8J17E		2000	115		18L
	8J13B		8J07B		2050	118		010L
003120		200040		200000	002024		868	
	8J19B		8J18B		2000	115		18L
	8J13C		8J11C		2050	118,119		09L
003120		200100		200000	002024		869	
	8J17C		8J15C		2000	116		18L
	8J13C		8J11C		2050	118,119		010L
003120		200200		200000	002024		870	
	8J18C		8J17C		2000	116		18L
	8J14C		8J13C		2050	119		09L
003120		200400		200000	002024		871	
	8J19C		8J18C		2000	116		18L
	8J14C		8J13C		2050	119		010L
003120		201000		200000	002024		872	
	8J17E		8J16E		2000	116		18L
	8J14D		8J13D		2050	119		09L
003120		202000		200000	002024		873	
	8J18E		8J17E		2000	116		18L
	8J14D		8J13D		2050	119		010L
003120		202000		200000	446540		874	
	8J18E		8J17E		2000	116		15L
003120		204000		200000	002024		875	
	8J19E		8J18E		2000	116		18L
	8J14E		8J07E		2050	119,120		09L
003120		204000		200000	002035		876	
	8J19E		8J18E		2000	116		15L
003120		210000		200000	002024		877	
	8J17F		8J15F		2000	117		15L,18L
	8J14E		8J07E		2050	119,120		010L
003120		220000		200000	002024		878	
	8J18F		8J17F		2000	117		18L
	8J14F		8J11F		2050	120		09L

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003120		240000		200000		002024		879	
	8J19F		8J18F		2000		117		18L
	2J14F		8J11F		2050		120		010L
003120		300000		100000		002024		880	
	8J14G		8J09G		2050		120		010L,111H,112H
	8J11G		8J11E		2060		107,120		014H,18L*19L*
									110L
	8J18G		8J17G		2000		117		18L
003120		300000		200000		002024		881	
	8J17G		8J18G		2000		117		18L
	8J14G		8J09G		2050		120		09L
003120		343112		200000		002035		882	
	3J19G		3J18G		2060		46		16L
003120		400000		200000		002030		883	
	3J02D		3J31D		2050		16,25		114L
003120		423177		200000		002035		884	
	3J27C		3J26C		2060		14		015L,111H,112H
	3J09A		3J07A		2920		23		112L
003120		600000		200000		002024		885	
	2J12F		8J06E		2070		107,119,120		16L,012H
	8J15G		8J14G		2050		24,120		09L,15H,16H
	8J18G		8J17G		2000		117		15L
	8J19G		8J17G		2060		117		18L
	2J13G		8J12G		2920		120		015L
003120		600000		200000		002035		886	
	8J12D		8J09D		2013		27		15H,16H,013H*
									014H*015H
003120		600000		200000		424242		887	
	8J25B		8J12B		2070		122,107		013L,17H
003120		777777		200000		002024		888	
	3J02D		3J31D		2050		16,25		010L,113H,114H,
									115H
	8J17D		8J16D		2013		25		19L
	3J08B		3J07B		2060		23,47,19		014H,18L*19L*
									110L
003123		000000		000001		002020		889	

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J09B		8J09E		2030		107		I15L
003123		000007		000010	002020			890	
	8J09B		8J09E		2030		107		011H, I12L*I13L* I14L
	8J06D		7J25F		2220		34,107		I9H
003123		177777		200000	002020			891	
	3J02C		3J04C		2060		30,15,21		014L, I8H, I9H, I10H
	3J17C		3J09C		2060		48		014L, I8H, I9H, I10H
	3J19F		3J18F		2060		46		I5L
	8J15G		8J14G		2050		24,120		I12L
	8J06D		7J25F		2220		34,107		014L
	3J11E		3J08E		2920		29		I5L
003144		177777		577777	002024			892	
	8J12D		8J09D		2013		27		I7H, I8H, I9H, 010H*011H*012H
003144		400000		377777	002024			893	
	3J31D		3J02D		2050		29,03		I8L
	3J17F		3J16F		2030		47,48		I15L
003144		400001		377777	002024			894	
	3J12B		3J09B		2020		27		I13L, I14L, I8H, I9H, I10H, 011H* 012L, I13L*I14L* I15L, 011H
	3J16D		3J13D		2070		45		I10L, 015H
003144		733136		377777	002024			895	
	3J08B		3J07B		2060		23,47,19		I8L
003157		000000		777776	002024			896	
	8J11E		8J04D		2060		119		I6L, I9L, I12L
	8J11B		8J16B		2060		118		I6L, I9L
	8J11G		8J02A		2060		107,120		I9L, I12L
	8J11D		7J18E		2920		119		I8H, I9H, I10H
	8J12A		7J18E		2920		118		I8H, I9H, I10H
	8J12C		7J18E		2920		118		I8H, I9H, I10H
	8J12E		7J18E		2920		119		I8H, I9H, I10H
	8J12G		9J15A		2920		120		I8H, I9H, I10H
	8J13E		9J15A		2920		119		I8H, I9H, I10H
	8J13F		9J15A		2920		120		I8H, I9H, I10H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	8J13G		9J15A		2920	120		18H,19H,110H
004352	027400		505640		000151		896A	
	3J20B		3J27B		2070	45		012H
	3J20A		3J22B		2080	45		05H
004353	014355		007756		347755		897	
	6J34A		6J33A		0651	159		144L
	6J34E		6J33E		0651	168		153H
	6J15C		6J13C		0761	137,175		045L
004364	027400		505640		000151		898	
	7J10F		7J08F		2000	104		18L
004374	000000		000000		777777		899	
	7J10F		7J08F		2000	104		17L
004374	000000		000004		000000		900	
	4J16E		4J15E		2000	86		19H,110H
004374	000000		000007		347775		901	
	3J19B		3J18B		2050	47,46		112L
004374	000000		000121		347775		902	
	4J34E		4J33E		2900	103		15H
004374	000000		000242		000706		903	
	7J10C		7J08C		2000	105		15H,16H
	4J32E		4J30E		2900	103		114H
004374	000000		000252		000706		904	
	4J11D		4J10D		2070	83,101		012L,16H
004374	000000		001221		000706		905	
	6J29B		6J27B		0400	143		119L
004374	000000		001222		000706		906	
	6J29B		6J27B		0400	143		130H
004374	000000		001237		000000		907	
	6J29B		6J27B		0400	143		119H,117L,118L
004374	000000		001242		000706		908	
	6J29B		6J27B		0400	143		129H,133L,135L, 136L

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TABLE 2-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
004374	6J31B	000000	6J29B	001252	000706	143,147	909	I42H
004374	6J25B 7J09A	000000	6J27B 7J13A	001502	347775	139 107	910	I39L,I41L,I42L I5H,I6H
004374	3J23E	000000	3J22E	001713	347775	40,43	911	I9L
004374	6J32B	000000	6J31B	002000	347775	140	912	I39H,I33L,I35L, I36L
004374	6J25B	000000	6J27B	002103	347775	139	913	I41H,I25L,I26L
004374	6J25B	000000	6J27B	002105	347775	139	914	I26H
004374	6J32B	000000	6J31B	003007	347775	140	915	I35H
004374	4J17C	000000	4J16C	003773	347775	87	916	I7L
004374	8J07E	000000	8J04E	004251	347775	86	917	I13L
004374	4J30G	000000	4J29G	004355	000704	99	918	I9H,013H*015L, 013H
004374	4J09G	000000	4J08G	004357	000704	82	919	I8L
004374	3J19B	000000	3J18B	004603	347775	47,46	920	I13L
004374	3J19B	000000	3J18B	004610	347775	47,46	921	I15L
004374	4J34E	000000	4J33E	004776	000000	103	922	I9L
004374		000000		005643	347775		923	

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TABLE C-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J05A		3J04A		2040		19		110L
004374	000000		005677		347775			924	
	7J11E		7J10E		2000		104		111L
004374	000000		005775		345775			925	
	6J28A		6J27A		0651		162		144L
	6J28E		6J27E		0651		171		153H
004374	000000		005775		347775			926	
	4J34E		4J33E		2900		103		112H, 06H*06L, 06H
004374	000000		005776		347775			927	
	4J15E		4J14E		2000		86		19H, 110H
	4J25D		4J24D		2050		95		16L, 17L
004374	000000		007375		347375			928	
	6J30A		6J29A		0651		161		144L
	6J30E		6J29E		0651		170		153H
	6J17C		6J15C		0761		136, 137, 175		052L
004374	000000		007775		347775			929	
	6J32B		6J31B		0400		140		126H, 117L, 118L
	6J21C		6J19C		0761		135, 136, 138, 175		018H
004374	000000		007777		147775			930	
	6J22A		6J21A		0651		165		152H
004374	000000		007777		247775			931	
	6J23A		6J22A		0651		164		153H
004374	000000		027400		000706			932	
	3J22E		3J13E		2013		41, 43		19L
004374	000000		124476		307775			933	
	6J24A		6J23A		0651		164		144L, 147L
	6J21C		6J19C		0761		135, 136, 138, 175		052L
004374	000000		145676		347775			934	
	3J03G		3J06G		2040		18		19L
004374	000000		777776		762306			935	
	3J06A		3J11A		2060		19, 38		014L, 18H, 19H, 110H
	4J02F		4J26F		2900		39		111L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J05D		3J08D		2060		38		19L
004374	6J34E	000002	6J32B	002000	0400	347775	140,142	936	136H
004374	3J26A	000005	3J05B	004420	2080	347775	44,45	937	18L
004374	6J32B	000011	6J31B	002003	0400	347775	140	938	133H
004374	6J29B	000020	6J27B	001243	0400	000706	143	939	139H
004374	3J34D	000050	3J33D	000002	2020	347775	04	940	19L
004374	4J34E	000100	4J33E	004700	2900	000000	103	941	17L
004374	6J31B	000200	6J29B	001243	0400	000706	143,147	942	136H
004374	6J27B	000404	6J25B	001503	0400	347775	139,142	943	142H
004374	6J29B	000420	6J27B	001253	0400	000706	143	944	135H
004374	6J29B	001000	6J27B	001237	0400	000000	143	945	126H
	6J31B		6J32B		0400		143,147		141H
004374	4J32A	001240	4J30A	001241	2900	000706	89	946	15H
	4J33A		4J34A		2900		102		15H
004374	8J06A	001240	8J03A	144623	2050	347775	79	947	17L
004374	3J28G	002255	3J21G	004612	2060	347775	12,42	948	19L
004374	4J21D	002777	4J20D	747004	2050	613406	95	949	010H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
004374		004000		001221		000706		950	
	6J29B		6J27B		0400		143		I17H
	6J31B		6J32B		0400		143,147		I33H
004374		004000		005255		347775		951	
	4J14E		4J15E		2000		86		I9L
004374		015763		007771		347771		952	
	6J35E		6J34E		0651		167		I53H
	6J36A		6J35A		0651		158		I44L
	6J36E		6J37E		0651		167		I53H
	6J13C		6J15C		0761		137,175		O52L
004374		017774		004534		347775		953	
	3J06B		3J02B		2060		17		I6L
004374		023177		033137		347775		954	
	3J17C		3J09C		2060		48		I8L
004374		024425		001221		000706		955	
	3J22D		3J20D		2013		41,42		I6L
	3J18B		3J11B		2050		47,48		I12L
004374		024473		133333		000000		956	
	4J23F		4J22F		2920		94		I8L
004374		027400		004361		000000		957	
	3J24B		3J23B		2060		41,15		I8L
004374		027400		164363		000151		958	
	3J24F		3J28F		2900		40		I7L
004374		027400		340766		000151		959	
	4J32A		4J30A		2900		89		I10L
	4J33A		4J34A		2900		102		I10L
004374		124475		007775		347775		960	
	7J11C		7J10C		2000		105		I5H, I6H, I7H, I8H
004374		124475		104633		347775		961	
	3J25F		3J23F		2013		16		O10L*O11L*O12L
004374		124475		177775		347775		962	
	3J18G		3J17G		2060		08,46,		I12L
004374		124607		012337		762306		963	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J16F		4J15F		2000		86		I11L
004374	124607		042337		762306			964	
	4J14F		4J15F		2000		86		I11L
004374	124607		072337		762306			965	
	4J16D		4J15D		2013		18		15L,013L*014L* 015L
	3J02B		3J06B		2060		21,18		015L, I11H, I12H
	3J03E		3J17E		2030		18		010H, 15L*16L* 17L*18L*19L
004374	124607		102347		762306			966	
	4J16G		4J15G		2000		86		I11L
	3J03E		3J17E		2030		18		15L
004374	130000		066777		347775			967	
	7J19E		7J16E		2070		35,36,52		011L, 15H
004374	137776		102366		762306			968	
	4J32C		4J30G		2900		103		I7L
004374	200000		124473		347774			969	
	6J38A		6J37A		0651		157		I44L
	6J38E		6J37E		0651		166		I53H
	6J13C		6J15C		0761		137,175		053L
004374	341261		007776		347775			970	
	4J23C		4J22C		2920		95		I11H, I12H, I13H, I14H
004374	341261		027776		347775			971	
	4J27D		4J26D		2050		92,95		15L, I7L, 09H, 15L* 16L, I7L*18L
	4J25C		4J23C		2920		92		15L, I8L, I11L, 015H, I11L*112L* I13L, 15L*16L* I7L, I8L*19L* I10L
	4J26C		4J24C		2070		92,95,100		012L, 16H
	4J20A		4J13A		2920		96		I8H, I9H, I10H
004374	341261		157776		347775			972	
	3J17C		3J09C		2060		48		I9L
004374	341261		777776		347775			973	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J19G		3J18G		2060		46		I9L
004374	341532		001524		347775		974		
	3J18B		3J11B		2050		47,48		I13L
004374	346001		166000		347775		975		
	3J03G		3J06G		2040		18		I13L
004374	445332		105005		307775		976		
	6J24A		6J23A		0651		164		I53H
004374	502100		030625		000706		977		
	3J23B		3J21B		2060		41		I5L
004374	621445		021443		347775		978		
	6J27C		5J27C		0280		135		I3L
004374	764362		000000		000706		979		
	6J29B		6J27B		0400		143		I39L,I41L,I42L
004374	764362		000000		347775		980		
	3J22E		3J13E		2013		41,43		I5L,013L*014L* 015L
	4J24L		4J23E		2920		92		I11H,I12H,I13H, I14H
	3J02E		3J04E		2060		18		I11L
	3J19F		3J13F		2060		47		I12L
	8J06C		8J03C		2050		80		I7L
	3J02A		3J07A		2920		21		I14L
004374	764362		002000		347775		981		
	6J21C		6J19C		0761		135,136,138,175		06L*018H*024H
	7J11C		7J10C		2000		105		I15L,013H*014L, 013H
	7J12B		7J02A		2160		106,107		I11L
004374	764362		160000		347775		982		
	3J25A		3J24A		2013		15		I8L
004374	765000		072477		347775		983		
	3J05A		3J04A		2040		19		I12L
004374	777776		001713		347775		984		
	4J33C		4J32C		2900		102		I14L
004374	777777		002021		347775		985		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J29F		3J17F		2030		48,12		17L
004376		027400		777776		000151		926	
	4J32A		4J30A		2900		89		19L
	4J33A		4J34A		2900		102		19L
004377		027400		000000		000151		987	
	4J32A		4J30A		2900		89		17L
	4J33A		4J34A		2900		102		17L
004777		027400		000706		000151		989	
	4J24C		4J21C		2070		95		15L,011H
	4J26C		4J10D		2070		92,95,100		19L,014H
	4J26D		4J25D		2050		95		09L,15H,16H
	4J27D		4J13E		2050		92,95		113H,114H,115H
	4J23C		4J22C		2920		95		015L,15H,16H, 17H
	4J14E		4J15E		2000		86		110L
	4J17E		4J16E		2000		88		15L
005013		000000		003406		000151		990	
	4J24E		4J23E		2920		92		015L,15H,16H, 17H
	4J24D		4J23D		2050		95		17L
005013		000000		022446		000151		991	
	4J33F		4J32F		2900		103		17L
005013		000000		244001		000151		992	
	3J22E		3J13E		2013		41,43		18L
005013		000650		012070		000151		993	
	4J23E		4J22E		2920		93		015L,15H,16H, 17H
	4J25E		4J13E		2050		91,92		15L
005013		000650		012074		000151		994	
	6J31B		6J29B		0400		143,147		139H
005013		027400		004000		000151		995	
	4J08C		4J07C		2040		83		015L,19H,110H
005013		027400		011231		000151		996	
	4J10B		4J09B		2040		84		113H
005013		024416		000000		000000		997	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
	3J07F		3J04F	2920	22		15L
005013	027400		000714	000151		998	
	4J24D		4J23D	2050	95		111H, I12H
005013	027400		002510	000151		999	
	3J16C		3J33C	2050	48, 53		15H, I6H
005013	027400		002514	000151		1000	
	3J17B		3J16B	2060	47		18L
005013	027400		004000	000151		1001	
	6J27A		6J26A	0651	162		136H, I44H
	8J07E		8J04E	2050	80		18L, 09H, I5L*I6L, I7L*I8L
	4J14E		4J15E	2000	86		16L, I15H
	4J26D		4J25D	2050	95		16L, I7L
	4J27D		4J13E	2050	92, 95		111H, I12H
005013	027400		120000	000151		1002	
	6J23C		6J21C	0761	135, 138, 175		151H
005013	027400		124000	000151		1003	
	6J27C		5J27C	0280	135		117H, I27L, 030H
005013	027400		345000	000151		1004	
	4J23C		4J22C	2920	95		16L, I8L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L
	4J26C		4J24C	2070	92, 95, 100		015L, I10H
005013	034343		002721	000151		1005	
	8J11A		8J07A	2050	118		010L, I13H, I14H, I15H
	8J11B		8J16B	2060	118		I11L
005013	040000		022146	000151		1005A	
	3J31C		3J13C	2020	3		011H
005013	400000		011524	000000		1006	
	4J25F		4J23F	2920	91		15L, I8L, I11L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J26F 4J25E	4J24F 4J13E			2070 2050		91,94,100 91,92		012L,16H 112L,114L
005013	4J18C	424242	4J17C	003352	2000	000151	87	1007	17L,19L
005013	3J14B	647400	3J15B	014604	2930	000000	10,11	1008	112L
005013	6J32E	707070	6J31E	002524	0651	000151	169	1009	I36H, I40H, I41H, I42H, I44H, I45H, I47H, I36L, I51L, I52L, I54L
	6J32A		6J31A		0651		160		I40L, I42L
005013	4J24E	707070	4J23E	002611	2920	000151	92	1010	18H, 19H, 110H
005013	6J31E	707070	6J30E	002625	0651	000151	169	1011	I36H, I40H, I41H, I42H, I44H, I45H, I47H, I48H, I36L, I51L, I52L, I54L
	6J31A 6J17C		6J30A 6J15C		0651 0761		160 136, 137, 175		I40L, I42L I32H, I31H*I32H
005013	4J15F	707070	4J14F	022400	2000	000151	86	1012	111L
005013	4J21C	777700	4J26C	011220	2070	000151	95	1012A	015H
005246	4J34E 7J12C	000000	4J33E 7J11C	000000	2900 2000	000151	103 105	1013	I14L I6L
006003	4J25D	027400	4J24D	027400	2050	000151	95	1014	09L
010015	4J06A	003001	4J05A	0000X7	2040	000151	110	1015	I5L, I7L, I9L, I11L, I14L, 015H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, I13L*I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J25E		4J23E		2050		96		15L, 18L, 09H, 15L*
	4J28E		4J02E		2900		100		16L, 17L*18L 112H, 06H*08L, 06H
	4J26E		4J27D		2050		96		010L, 113H, 114H, 115H
	4J11C		4J21C		2070		83, 84		012L, 16H
	4J24A		4J21A		2070		96		012L, 16H
	4J15E		4J14G		2000		86		15H, 16H
	7J07A		7J06A		2000		113		17H, 18H
	4J09A		4J08A		2040		84		18L, 110L
	4J24E		4J23E		2050		96		15L
	4J23A		4J22A		2920		96		15L

010015		027400		003001		000151		1016	
	2J06E		8J25B		2070		80, 81		012L, 16H
	3J24E		3J28F		2900		40		15L

011200		027400		503400		000151		1017	
	4J20E		4J12E		2050		96		09L

011361		400000		505707		000151		1017A	
	3J29E		3J20E		2070		12		013H

015017		777700		001717		000151		1018	
	4J33F		4J32F		2900		103		112L

017003		000000		505640		000151		1019	
	8J25D		8J26D		3680		124		06H, 07H, 08H, 09H

021004		027400		000706		000151		1020	
	4J15F		4J14F		2000		86		15L
	4J09E		4J08E		2040		34		015L
	4J22E		4J21E		2050		96		16L, 18L, 09H, 15L* 16L, 17L*18L
	4J23E		4J24E		2050		96		111H, 112H
	4J15F		4J14F		2000		86		16L

022005		000000		00001X		000151		1022	
	3J31C		3J13C		2020		03		114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H
	3J35E		3J34E		2013		04		15H, 16H
	3J33C		3J16C		2050		03		09L, 17H, 18H
	3J31D		3J02D		2050		29, 03		111H, 112H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J32B		4J30B		2900		102		I14H
022005		027400		027400		000151		1023	
	4J05D		4J04D		2013		17,26		I5L,013L*014L*015L
	3J06G		3J03G		2040		17		015H,15L*16L,17L*18L,19L*110L,111L*112L,113L*114L
022416		707070		435363		000151		1024	
	4J15F		4J14F		2000		86		I9L
022425		707070		435363		000151		1025	
	3J03E		3J17E		2030		18		I14L
024414		000000		040252		000706		1026	
	4J04D		4J03D		2013		05		013H*014H*015H
024443		000000		000000		000151		1027	
	4J33F		4J32F		2900		103		I14L
025001		027400		000706		000151		1028	
	4J17E		4J16E		2000		88		I7L,I11L,013L*014H,15L*16L,17L*18L,19L*110L,111L*112L,014H
027402		027400		001515		000151		1028A	
	3J06G		3J03G		2040		17		015H
040710		027400		000706		000151		1029	
	6J26A		6J25A		0651		163		I48H
041220		027400		040000		000151		1030	
	4J14F		4J15F		2000		86		I6L
	4J22A		4J20A		2920		96		I6L,I8L,113L,015H,111L*112L*113L,15L*16L*17L,I8L*19L*110L
	4J21A		4J04A		2070		96		013L,17H
	4J21B		4J20B		2050		96		I6L,17L
	4J23B		4J22B		2050		96		15H,16H

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TABLE 8-19. PROGRAM EXECUTION, PRE AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
G41246	4J08B	027400	4J07B	341246	2040	000151	84	1032	I13H

042212	4J32G	000002	4J30G	000000	2900	000151	103	1033	I5L

061004	4J21A	027400	4J04A	000706	2070	000151	96	1034	011L,012L,I5H, I6H
	4J20B		4J12B		2050		96		I12L,I13L

064352	3J05A	027400	3J04A	360000	2040	000151	19	1035	I8L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	4J16D		4J17D		2013		19		I5L

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TABLE 8-20. PROGRAM EXECUTION, PRE AIMAT CONTROL - PARAMETER STOP ERROR CONDITION

P	LOC	AU	SWAP	AL	TYPE	PLATE	FAULT
001300		000000		000012			
	3J33C		3J16C		2050	03	I6L,I8L,09H,I5L* I6L,I7L*I8L
	3J31C		3J13C		2020	03	I13H,I14H,I15H
	3J31E		3J09E		2020	03	I8L
001306		003005		000017			
	6J36A		6J35A		0651	158	I40L

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TABLE 8-21. PROGRAM EXECUTION, AIMAT CONTROL - LOOP CONDITION

P	PULIM	AU	AL	CE	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
001201	001324	000000	000000	000151	1
7J33C	7J18A	2040	31		I6L
001313	002565	200000	000076	000151	2
7J27A	7J26A	2090	32		I6L
001315	003412	600001	300000	000151	3
3J03E	3J17E	2030	18		I8L
001777	002007	000000	120002	002510	4
7J21A	7J03A	2020	37		I5H
001777	002007	000000	120007	000151	5
4J10E	4J09E	2040	83		I12L
002422	107775	707070	342414	000151	6
5J15C	5J13C	0761	137,175		I20L
002424	047775	707070	342414	002510	7
7J21A	7J03A	2020	37		I7H
002457	002460	003001	000000	000151	8
FOR FURTHER ISOLATION REFER TO TABLE 8-51.					
8J11B	8J16B	2060	118		013L,014L,015L, I5H,I6H,I7H,I8H, I9H,I10H,I11H, I12H
8J11C	8J07C	2050	118		I5L,I8L,I11L, I14L,09H,010H, I5L*I6L,I7L*I8L, I11L*I12L,I13L* I14L*I15L
8J11A	8J07A	2050	118		I11L,I14L,010H, I11L*I12L,I13L* I14L*I15L
8J13B	8J07B	2050	118		I7H,I8H,I13H, I14H,I15H
8J13C	8J07C	2050	118,119		I7H,I8H,I13H, I14H,I15H
8J13D	8J14D	2050	119		I5L,I8L,09H,I5L* I6L,I7L*I8L
8J14C	8J14D	2050	119		I7H,I8H,I13H, I14H,I15H
8J11D	8J12E	2920	119		I6L,I8L,I11L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L*

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TABLE 8-21. PROGRAM EXECUTION, AIMAT CONTROL - LOOP CONDITION

P	PULIM	AU	AL	CE	SYMPTOM
LOC	SWAP	TYPE	PLATE		FAULT
8J12A	8J12E	2920	118		I10L I6L, I8L, I11L, 015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
8J12C	8J12E	2920	118		I6L, I8L, I11L, 015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
8J13A	8J03B	2050	118		I13H, I14H, I15H
7J29C	7J22C	2060	32		I11H
002457	002460	003001	000000	002510	9
7J21A	7J03A	2020	37		I15L, I6H, 011H* 012L, I13L* I14L* I15L, 011H
003017	003036	000777	776777	000151	10
7J27A	7J26A	2090	32		011H
003017	003036	017777	757777	000151	11
7J29C	7J22C	2060	32		I12H
003604	003615	777777	000000	000151	12
7J29C	7J22C	2060	32		015L
005002	010066	000000	000000	017101	13
7J31B	7J25B	2020	31		I13L, I13L* I14L* I15L, 011H
005014	005021	010233	501500	000151	14
3J21E	3J19E	2060	44		I12L
005032	005037	000005	047056	000151	15
4J27C	4J25C	2920	92		I12L
005254	005261	000000	501516	002510	16
8J06B	8J02B	2070	79,80		015H
005272	005277	000000	501715	002510	17
8J06B	8J02B	2070	79,80		I10L
006456	006457	707070	000000	000151	18
5J33C	6J33C	0900	136, 135, 145		029H* 030H
5J35C	6J33C	0900	136, 135, 145		I27H

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TABLE 8-21. PROGRAM EXECUTION, AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIP SWAP	AU TYPE	AL PLATE	CE	SYMPTOM FAULT
006617	3J30E	106617 3J28E	777700 2900	5023x7 13	000151	19 06H
006635	3J31B	066635 3J24B	777700 2060	5023x7 03,13,03	000151	20 19L
006635	3J31B	146635 3J24B	777700 2060	5023x7 03,13,03	000151	21 014H
006637	3J30E	106637 3J28E	777700 2900	5023x7 13	000151	22 19H
006637	3J30E	126637 3J28E	777700 2900	5023x7 13	000151	23 I11L
010106	2J22B	016364 2J12B	000006 2030	000000 63	000000	24 19L
010146	4J27D	010147 4J26D	000000 2050	150171 92,95	000151	25 18H
010146	4J27D	010147 4J26D	000000 2050	635011 92,95	000151	26 17H
011415	4J13A	011416 4J11A	000000 2920	017102 33	307712	27 17L
011504	7J20G	011505 7J21G	000000 2020	000000 35	777777	28 I14L
012506	8J31D	016036 8J32D	400000 3780	000000 129	000000	29 I10L
013410	1J14B 1J35D 1J31C	013411 1J27B 1J31D 1J30C	000000 2013 2930 2050	000000 58,70 38 56	017101	30 15H, I6H 15L, 08L*06H 15L, I7L
013415	1J35D	013416 1J31D	000000 2930	000000 38	017101	31 19H, 013H*015L, I7L*I14L, 013H
013601	1J31C 7J09D	013661 1J30C 7J16D	020000 2050 2060	557751 56 28,51,53	017101	32 I14H, I15H I12L
013601	1J14B	013661 1J27B	040000 2013	557751 58,70	017101	33 013H*014H*015H

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TABLE 8-21. PROGRAM EXECUTION, AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIM SWAP	AU TYPE	AL PLATE	CE	SYMPTOM FAULT
	1J31C	1J30C	2050	56		I13H
017001	017002	000000	505640	017102	34	
	3J19G	3J18G	2060	46		I12L
022000	022211	000000	00001X	000151	35	
	4J13C	4J27B	2050	29,101		I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
	3J12D	3J24D	2900	29		I5H, 06H*08L, 06H
	3J12F	3J11F	2050	29		I5H, I6H
022000	022213	000000	00001X	000151	36	
	3J12D	3J24D	2900	29		I12L, 06L*08H, 08H
	4J13C	4J27B	2050	29,101		010L, I11H, I12H
	3J21F	3J20F	2060	44		I12L
	3J12F	3J11F	2050	29		I6L
022000	022225	567067	346232	000151	37	
	3J03E	3J17E	2030	18		I6L
022000	022227	000000	00001X	000151	38	
	3J13E	3J22E	2013	05,29		I7L, I8L, I9L, 010L*011L*012L
	3J25F	3J23F	2013	16		I6L, 013L*014L* 015L
022405	022407	000100	777777	000151	39	
	7J15E	7J04E	2060	51,107		I9L
022405	022407	000300	777777	017101	40	
	1J30G	1J35D	2930	69,70		06H
022405	022407	040000	777777	000151	41	
	8J33C	8J32C	3780	129		I5L
	7J12B	7J02A	2160	106,107		I6L, I7L
	8J27B	8J26B	3640	122		
022413	022430	000400	000000	017101	42	
	1J30G	1J35D	2930	69,70		I5L*I14L
022413	022430	040000	000000	000151	43	
	7J33B	7J16G	2080	31,32		05L, I6H, I7H, I8H
	7J29A	7J28A	2090	32		I6L, 011H
	7J33C	7J18A	2040	31		I14L
022461	022473	040000	000000	017101	44	

TABLE 8-21. PROGRAM EXECUTION, AIMAT CONTROL - LOOP CONDITION

P	LOC	PULIP SWAP	AU TYPE	AL PLATE	CE	SYMPTOM FAULT
	1J30G	1J35D	2930	69,70		I12H,08L*06H
024534	024537	000000	777777	000151	45	
	3J07A	3J02A	2920	23		I12L,I13L
062405	062407	000540	777777	000151	46	
	7J12E	7J02A	2160	106,107		I8L,I9L
062405	062407	000540	777777	017101	47	
	1J03D	1J04D	2020	70		I15H
062413	062430	000540	000000	017101	48	
	1J03D	1J04D	2020	70		I13H,I14H
062463	062500	000540	000000	000151	49	
	3J09F	3J31F	2020	30		I8L
063677	063717	000400	254025	000151	50	
	6J30E	6J29E	0651	170		I44H
106615	166615	777700	5023X7	000151	51	
	3J30E	3J28E	2900	13		013H
106635	146635	777700	5023X7	000151	52	
	3J29F	3J17F	2030	48,12		I15L
106637	106637	777700	5023X7	000151	53	
	3J28F	3J24F	2900	12		I11L
126617	106637	777700	5023X7	000151	54	
	3J30E	3J28E	2900	13		I12H
126637	166637	777700	5023X7	000151	55	
	3J30E	3J28E	2900	13		06H*08L
146635	146635	777700	5023X7	000151	56	
	3J29E	3J20E	2070	14,13,12		I9H

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000000	7J22E	250410	7J21E	000000	2020	000151	36	1	I13H, I14H, I15H
000000	7J22F	250411	7J24E	000000	2930	000151	36	2	I7H
000000	7J22F	266653	7J24E	000000	2930	000151	36	3	013L*015H, 015H
000000	7J22F	652525	7J24E	000000	2930	000151	36	4	I9L*I10L
000000	7J23G	752616	7J22G	000000	2020	000151	36	5	I13H, I14H, I15H
000001	8J12E	003001	8J13E	000000	2920	000151	119	6	I5H, I6H, I7H
000001	6J22E	100000	6J21E	670000	0651	000151	174	7	I48H
000001	6J22E	110000	6J21E	670000	0651	000151	174	8	I40L
000001	5J23C	504606	5J21C	660000	0761	000151	135, 138, 175	9	046L
000002	0J22A	000000	0J12A	010344	2030	000320	64	10	I9L
	0J22B		0J12B		2030		63		I9L
	0J22C		0J34C		2030		62		I9L
	0J22D		0J34D		2030		61		I9L
	9J22A		9J12A		2030		64		I9L
	9J22C		9J34C		2030		62		I9L
000002	3J03E	000000	3J17E	040000	2030	000007	18	11	I13L
000002	3J30B	000000	3J28B	040000	2900	060711	13	12	I9H, 013H*015L, 013H
	3J26E		3J21E		2060		15, 16		014L, I8H, I9H, I10H
000002	3J29E	777700	3J20E	5023X7	2070	000151	14, 13, 12	13	I9L, 014H

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
000003	5J23C	005016	5J21C	760000	000151	135,138,175	14	I54H
000022	9J22B	503400	9J12B	000021	000020	63	15	I9L
000102	9J22D	407123	9J34D	000101	000100	61	16	I9L
000516	8J31D 8J35D	000000	8J32D 8J34D	000000	000151	129 129	17	15H I8L
000516	8J35B	000004	8J34B	000000	000151	130	18	I8L
000516	8J35A	024712	8J34A	000000	000151	130	19	I8L
000517	8J31D 8J33C 8J35C	000000	8J32D 8J32C 8J34C	000000	000151	129 129 129	20	I6L, I6H I8L I8L
000517	7J22F	400000	7J24E	000000	017103	36	21	I9L
001054	3J32D	000002	3J29D	505640	20106Z	05	22	010L*011L*012L
001055	3J15A 3J09E	000002	3J22A 3J31E	505640	20106Z	05 30	23	I7L, 010L*011L* 012L I14L
001300	7J05E	000000	7J21E	000012	000151	28	24	012H
002347	7J05C	777777	7J04C	777777	000151	28	25	011H*012L
002377	8J11C	003001	8J07C	010000	000151	118	26	I15H
002402	8J11C	003001	8J07C	777777	000151	118	27	I13H
002410		003001		557775	000151		28	

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	8J11C		8J07C		2050	118		I14H
002411	8J11B	003001	8J16B	557775	000151	118	29	I5L
002414	8J11C	003001	8J07C	557775	000151	118	30	010L
002451	7J16G	003001	7J33B	0000X7	000151	28,49	31	I8H
002457		003001		000000	000151		32	
FOR FURTHER ISOLATION REFER TO TABLE 8-52.								
	6J38B		6J21B		0431	139		I52H
	7J05E		7J22E		2020	28		I6L, I9L, I13H, I14H, I15H, I5L* I6L*I7L
	7J16F		7J15F		2060	28,49		014L, I8H, I9H, I10H
	3J21G		3J28G		2060	45		I12L, 015H, I11L* I12L
	7J05C		7J04C		2020	28		I6H, I7H
	4J30A		4J29A		2900	98		I14L
	3J19G		3J18G		2060	46		I12H
	4J17G		4J16G		2000	88		I8L
	7J21E		7J22E		2020	36		I6L
	7J16G		7J33B		2080	28,49		I6H
	7J28C		7J12B		2160	28		I6L*I7L*I8L*I9L* I10L*I11L*I12L* I13L
002460	6J32B	003001	6J31B	000000	000151	140	33	I25L, I26L
	7J05C		7J04C		2020	28		I15L, I5H
	7J05E		7J22E		2020	28		I7L, I8L*I9L* I10L
	7J16G		7J33B		2080	28,49		05L, I7H
	7J21E		7J22E		2020	36		I5L
	7J28C		7J12B		2160	28		015H
002727	4J27C	777000	4J25C	070707	000151	92	34	I19L
002730	3J19G	777000	3J18G	070707	000151	46	35	I11H
002740	3J19G	776001	3J18G	776001	000151	46	36	015L

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003026	6J40B	777600	6J38B	777577	0431	000151	142	37	I52H
004230	7J09D	001000	7J16D	000033	2060	000000	28,51,53	38	I10L
004366	4J33A	004404	4J32A	001313	2900	000151	102	39	I14L
004370	4J32A	004404	4J30A	004377	2900	000151	89	40	I14L
004430	7J05E	001000	7J21E	017400	2020	000151	28	41	011L*012H
004430	7J05C	777777	7J04C	777777	2020	000151	28	42	I13L*I14L*I15L, 011H
005002	3J18E 3J03E	777777	3J20E 3J17E	000000	2070 2030	000151	48,46 18	43	014L,19H I15L
005014	5J26A 5J13C 5J19C 5J15C 5J21C	005415	5J25A 5J17C 5J17C 5J17C 5J23C	022336	0651 0761 0761 0761 0761	000151	163 137,175 135,136,175,138 137,175 135,136,138,175	44	I41H,I42H 03L*04L,03H*04H 06L*018H*024H, 019L*010H*012H 06L*018H*024H 019L*010H*012H
005014	6J36D	005415	6J23D	022367	0421	000151	151	45	I44L
005014	6J26E	040000	6J25E	022506	0651	000000	172	46	I36H,I40H,I42H, I44H,I36L,I52L, I54L
005014	6J28E 6J29E	040000	6J25E 6J25E	022506	0651 0651	000151	171 170	47	I36H,I40H,I41H, I42H,I45H,I47H, I48H,I36L,I40L, I41L,I42L,I51L, I52L,I54L I36H,I40H,I41H, I42H,I45H,I47H,

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J30E		6J25E		0651		170		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J34E		6J25E		0651		168		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J35E		6J25E		0651		167		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J36E		6J25E		0651		167		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J38E		6J25E		0651		166		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	5J28A		5J25A		0651		162		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J30A		5J25A		0651		161		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J34A		5J21A		0651		159		I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J29A		5J25A		0651		161		I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J31A		5J25A		0651		160		I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J32A		5J25A		0651		160		I40H,I41H,I42H, I45H,I47H,I48H, I36L,I40L,I51L, I52L,I54L
	5J36A		5J21A		0651		158		I40H,I41H,I42H, I45H,I47H,I48H, I36L,I40L,I51L, I52L,I54L
	5J38A		5J21A		0651		157		I40H,I41H,I42H, I45H,I47H,I48H, I36L,I40L,I51L, I52L,I54L
	5J26A		5J25A		0651		163		I44H,I45H,I47H, I46H,I36L,I40L, I51L,I52L,I54L
	5J37A		5J21A		0651		157A		I45H,I47H,I48H, I36L,I40L,I51L, I52L,I54L
	5J33C		*****		0900		136,135,145		I16H,I23H,I27H, I3L,I4L,I15L, I16L,I23L,I24L, I45L,I46L,021H* 022H,029H*030H, 035H*036H,09L* 010L,011L*012L, 035L*036L,047L* 048L
	5J35C		*****		0900		136,135,145		I15H,I27H,I31H, I5L,I6L,I15L, I16L,I23L,I24L, 09L*010L,017L* 016L,035L*036L
	5J17C		6J17C		0761		136,137,175		I28H,I30H,I31H, 045H,I51H,052H, 053H,046L,I25H* I28H,I27H*130H, I31H*I32H
	6J35C		*****		0900		136,145		I33H,I45L,I46L, I51L,I52L,I53L, I54L,039L*040L, 041L*042L,047L* 048L
	5J27A		5J25A		0651		162		I41H,I42H,I48H, I40L
	5J33A		5J21A		0651		159		I41H,I42H,I48H, I40L
	6J32E		6J25E		0651		169		I48H,I40L,I41L, I42L

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J33E		6J25E		0651		168		I48H, I40L, I41L, I42L
	6J37E		6J25E		0651		166A		I48H, I40L, I41L, I42L
	5J13C		6J17C		0761		137, 175		I28H, I30H, I31H, 045H, 052H, 053H, I25H* I28H, I27H* I30H, I31H* I32H
	5J27C		6J27C		0280		135		I9H, I17H, I39H, I24L, I27L, 032L, 047L, 030H, 010L
	5J19C		6J17C		0761		135, 136, 175, 138		I30H, I31H, 045H, 053H, I27H* I30H, I31H* I32H, 03L* 04L
	5J35A		5J21A		0651		158		I41H, I42H, I40L
	6J26E		6J25E		0651		172		I48H, I40L, I42L
	6J27E		6J25E		0651		171		I40L, I41L, I42L
	6J31E		6J25E		0651		169		I40L, I41L, I42L
	6J33C		*****		0900		136, 135, 145		I24H, I28H, I31L, I32L, 021L* 022L
	5J21C		6J17C		0761		135, 136, 138, 175		I30H, 053H, I27H* I30H, 03H* 04H
	5J15C		6J17C		0761		137, 175		I31H, 045H, I31H* I32H
	5J23C		6J17C		0761		135, 138, 175		I51H, 012L, 024L
	5J29C		6J29C		0040		136		I11L, 015H* 020H, I16L, I18L
	6J13C		6J17C		0761		137, 175		I25H, I27H
	6J19C		6J17C		0761		135, 136, 138, 175		I32H, I31H* I32H
	5J37C		6J29C		0040		136, 145		I10H, I11H, 015L* 020L
	6J31C		6J29C		0040		136		I11L, I16L, I18L
	6J15C		6J17C		0761		137, 175		I32H
	8J16A		8J31A		2013		25, 105		I7H, I8H, I9H, 010H* 011H* 012H
	7J04F		7J03F		2060		51, 134		I6L, 014L, I8H, I9H, I10H, 013H, I5L* I6L* I7L
	8J03A		8J06A		2050		111		I7H, I8H, I13H, I14H, I15H
	8J03C		8J06C		2050		112		I7H, I8H, I13H, I14H, I15H
	8J04E		8J07E		2050		112		I7H, I8H, I13H, I14H, I15H
	8J03B		8J07B		2050		111		I7H, I8H
	8J03E		8J02E		2050		112		I7H, I8H
	8J04B		8J07B		2050		111		I7H, I8H

NAVSEA OP 3514 (FMS/SMS) VOLUME 2 PART 2

TABLE 2-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LGC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J04F		8J03F		2050		113		17H, 18H
005016		000000		000001		000151		48	
	6J23E		6J24E		0651		173		148H, 140L, 142L
	5J23A		5J22A		0651		164		140L
	6J22E		6J21E		0651		174		142L
005016		040000		000000		000151		49	
	5J29C		6J29C		0040		136		19L, 119L, 017H*
									025H, 110L, 112L,
									121L, 122L
	5J37C		6J29C		0040		136, 145		130H, 131H, 027L*
									028L
005016		040000		000001		000151		50	
	FOR FURTHER ISOLATION REFER TO TABLE 8-52.								
	5J25A		5J26A		0651		163		141H, 142H, 144H,
									145H, 147H, 148H,
									136L, 140L, 151L,
									152L, 154L
	5J24A		5J23A		0651		164		141H, 142H, 145H,
									147H, 148H, 136L,
									140L, 151L, 152L,
									154L
	6J21E		6J22E		0651		174		136H, 140H, 142H,
									148H, 136L, 140L,
									142L, 152L, 154L
	5J21A		5J22A		0651		165		145H, 147H, 148H,
									136L, 140L, 151L,
									152L, 154L
	6J25E		6J26E		0651		172		144H, 148H, 140L,
									142L
	6J24E		6J23E		0651		173		148H, 140L, 142L
	5J21C		5J19C		0761		135, 136, 138, 175		128H, 131H, 045H,
									052H, 125H*128H,
									131H*132H
	5J23C		5J13C		0761		135, 138, 175		128H, 052H, 125H*
									128H
	5J35C		6J33C		0900		136, 135, 145		123H, 021H*022H,
									029H*030H
	5J33C		6J33C		0900		136, 135, 145		131H, 09H*010H
	6J23C		6J21C		0761		135, 138, 175		125H
	8J03G		8J07G		2050		113		113H, 114H, 115H
	8J04F		8J06F		2050		113		113H, 114H, 115H
	8J03F		8J06F		2050		113		17H, 18H
005016		040000		001734		000151		51	
	5J23C		5J21C		0761		135, 138, 175		024H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
005016	5J22A	146444	5J21A	000001	0651	000151	165	52	I48H
005016	5J22A	150000	5J21A	000001	0651	000151	165	53	I40L
005016	5J29C	766262	5J37C	000001	0040	000151	136	54	I31L, 027H*028H, I33L, I34L
	5J27C		6J27C		0280		135		I12L, 06H
005030	4J27C	000000	4J25C	046331	2920	000151	92	55	I6L
006166	8J13D	300134	8J14D	241400	2050	000151	119	56	09L, I7H, I8H
	8J11E		8J04D		2060		119		I11L
006271	4J33F	003000	4J32F	000000	2900	000151	103	57	I5H
006720	8J11B	003001	8J16B	000000	2060	000151	118	58	I8L
010003	7J10B	000000	7J08B	017101	2000	000151	105	59	I7L
010710	3J27E	777700	3J26E	5023X7	2060	000151	12, 14	60	I5L, 013H, I5L* I6L* I7L
	3J29E		3J20E		2070		14, 13, 12		012L, I6H
012200	3J08D	140000	3J05D	000000	2060	060711	22	61	I9L
016002	3J29F	017230	3J17F	016006	2030	000151	48, 12	62	I15H
016003	3J29F	017230	3J17F	016006	2030	000151	48, 12	63	I14H
016004	3J29F	017230	3J17F	016006	2030	000151	48, 12	64	011L, I13H
016005	3J29F	017230	3J17F	016006	2030	000151	48, 12	65	I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
016006	000000	040000	060711				66	
	3J27B	3J20B	2070	14,15				I10L,015H
016007	000002	016013	000000				67	
	1J22B	1J12B	2030	63				I9L
016007	017237	016015	000151				68	
	3J27F	3J22F	2070	12				I5L,011H
016007	017237	016015	017103				69	
	3J19E	3J16E	2060	45				I5L
016007	017237	016016	000151				70	
	3J28F	3J24F	2900	12				I9H
	3J27E	3J26E	2060	12,14				I6L
016007	024416	503377	507310				71	
	7J10C	7J08C	2000	105				I9H
016010	000000	016013	000000				72	
	1J22D	1J34D	2030	61				I9L
016010	017237	016016	000151				73	
	8J06E	8J25B	2070	80,81				014L
016011	002000	016020	000151				74	
	6J21B	6J19B	0431	139				I51H
016011	017237	016016	000151				75	
	3J24E	3J12E	2900	40				I12L
016012	017237	016015	000151				76	
	3J28F	3J24F	2900	12				06H
016012	017237	016016	000151				77	
	8J06E	8J25B	2070	80,81				I9H
016013	000002	016013	000000				78	
	2J22A	2J12A	2030	64				I9L
016013	017237	016015	000151				79	
	3J21C	3J20C	2060	44				I9L
016014	017237	016015	000151				80	
	3J21C	3J20C	2060	44				I8L*I9L*I10L
016014	017237	016016	000151				81	
	3J28F	3J24F	2900	12				013H*015L

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
016014	7J26E	501700	7J25E	016017	000151	54	82	I13L+I14L+I15L
016015	6J19B	000040	6J21B	016017	000151	142	83	I51H
016015	3J05C	017237	3J07C	016015	000151	19	84	I6L
016015	3J28F	017237	3J24F	016016	000151	12	85	013H
016015	7J26E	501700	7J25E	016017	000151	54	86	011H+012L
016016	3J28F 3J21C	017237	3J24F 3J20C	016015	000151	12 44	87	I12H,06H+08L 014H
016020	7J10C	024416	7J08C	503377	507310	105	88	I10H
016020	7J26E	501700	7J25E	016017	000151	54	89	011H
017067	7J11F	400000	7J10F	307712	000006	104	90	I10L
017750	4J08D	000000	4J07D	000000	000000	17,26	91	I9L
020651	4J08C	000000	4J07C	000000	000151	83	92	I12L
022406	8J34B	000100	8J33B	777777	000151	130	93	I10L
022406	4J32G	000540	4J30G	777777	000151	103	94	I5H
057312	3J06A	777700	3J11A	000706	000151	19,38	95	I6L
062060	4J03F	000000	4J31D	507314	000151	39	96	I12L
062234		000000		507310	000151		97	

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TABLE 8-22. PROGRAM EXECUTION, AIMAT CONTROL - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J16F		8J02F		2020		107		15L
062377		005415		504600		000151		98	
	6J23D		6J36B		0421		148		152H
	6J36D		6J36B		0421		151		152H
062406		000540		777777		000151		99	
	6J31C		6J29C		0040		136		139L,151L,141L, 142L,152L,154L
	7J10A		7J08A		2000		105		17L
062406		000544		003604		000151		100	
	6J35E		6J34E		0651		167		144H
	6J36E		6J37E		0651		167		144H
062406		000577		777777		000151		101	
	6J38E		6J37E		0651		166		144H
062406		002540		777777		000151		-102	
	6J28E		6J27E		0651		171		144H
105002		013045		200000		000151		103	
	6J22E		6J21E		0651		174		144H
125343		014177		342414		000151		104	
	7J11B		7J10B		2000		105		17L

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TABLE 8-22A. PROGRAM EXECUTION, AIMAT CONTROL - FAULT (LOOP) CONDITION

P	PULIM	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
002457	002460	003001	000000	000151	
3J21G	3J19G	2060	45		015H
016007	016016	017237	016015	000151	
3J27F	3J22F	2070	12		010H

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TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002466	3J296	200000	3J266	000000	2040	000151	12	1	17L
002577	7J21E	200000	7J05E	400000	2020	000151	36	2	15H, 16H, 17H, 011H*012L, I13L* I14L*I15L, 011H 17L
	7J166		7J33B		2080		28,49		
003235	3J25A	777777	3J24A	777777	2013	000151	15	3	17L
003310	3J276	000033	3J126	075271	2050	000151	12	4	114L
003310	3J30C	353535	3J28C	000000	2900	000151	13	5	19H, 013H*015L, 013H
003310	3J28D	353535	3J24D	342415	2900	000151	12	6	19H, 013H*015L, 013H
	3J286		3J216		2060		12,48		014L, 18H, 19H, 110H
	3J27F		3J22F		2070		12		19L, 014H
003310	3J27F	353535	3J22F	777777	2070	000151	12	6A	014H
003453	3J30B	000000	3J28B	000000	2900	000151	13	7	110L
003453	3J26F	752616	3J12F	527366	2050	000151	14,12	8	113L
004402	7J26B	307401	7J23D	200000	2930	060711	34	9	15L
006637	3J30E	777700	3J28E	5023X7	2900	000151	13	10	013H*015L
010316	7J04F	000040	7J03F	400000	2060	017101	51,134	11	015L, 111H, 112H
010351	1J04B	777600	1J05B	502707	2020	000151	69	12	18L, 011L*012H, 15L*I6L*17L, 18L*

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TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J03E		1J02B		2020		69		I9L*I10L,012H I14L,011H*012L, I13L*I14L*I15L, 011H

010351		777600		502707		307712		13	
	1J23C		1J01C		2013		06		I5H,I6H,013H* 014H*015H
	1J01E		1J27D		2013		06		I8H,I9H
	1J04B		1J03E		2020		69		I13H,I14H,I15H

010351		777700		502706		000151		14	
	2J30G		2J35D		2930		69A,70		I9L,013L*015H, I9L*I10L,015H
	2J04B		2J02E		2020		69A		I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	2J05B		2J28E		2020		69A		I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	2J18A		2J10A		2060		59,69A,70		013L,15H,I6H, I7H
	7J22A		7J16A		2060		30,52		013L,15H,I6H, I7H
	2J03B		2J02E		2020		69A		I14L,011H*012L, I13L*I14L*I15L, 011H
	2J13A		2J16C		2050		69A,70		I5L,09H,I5L*I6L, I7L*I8L
	7J02C		7J18C		2030		23,30		I15L

010351		777700		502707		000151		15	
	1J30G		1J35D		2930		69,70		I9L,013L*015H, I9L*I10L,015H
	1J05E		1J04B		2020		69		I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	1J18A		1J10A		2060		59,69,70		013L,15H,I6H, I7H
	7J22A		7J16A		2060		30,52		014L,18H,19H, I10H
	1J13A		1J16C		2050		69,70		I5L,09H,I5L*I6L, I7L*I8L
	7J28B		7J22B		2070		07,30,53		I10L,015H
	7J02C		7J18C		2030		23,30		I14L

010351		777700		502707		307712		16	
	1J02D		1J12D		2070		65,70		I6L,012H

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TABLE 2-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J05B		1J04B		2020		69		I13H,I14H,I15H
	1J30G		1J35D		2930		69,70		I7H
010351		777700		5027X6		000151		17	
	0J18A		0J10A		2060		59,69A,70		013L,I5H,I6H, I7H
	7J23A		7J22A		2060		30,31		013L,I5H,I6H, I7H
	0J03B		0J02B		2020		69A		I14L,011H*012L, I13L*I14L*I15L, 011H
	0J13A		0J16C		2050		69A,70		I5L,09H,I5L*I6L, I7L*I8L
	7J02C		7J18C		2030		23,30		I13L
010351		777700		5027X7		000151		18	
	7J23A		7J22A		2060		30,31		014L,I8H,I9H, I10H
	9J18A		9J10A		2060		59,69,70		013L,I5H,I6H, I7H
	9J03B		9J02B		2020		69		I14L,011H*012L, I13L*I14L*I15L, 011H
	9J13A		9J16C		2050		69,70		I5L,09H,I5L*I6L, I7L*I8L
	7J19C		7J22C		2060		53		I7L,013H,I5L* I6L*I7L
	7J28B		7J22B		2070		07,30,53		011L,I5H
	7J02C		7J18C		2030		23,30		I12L,011H,I12L* I13L*I14L
011341		777700		5020X7		000151		19	
	3J22A		3J15A		2013		13,43		I7H,I8H,I9H
	3J26B		3J25B		2013		03,14		I8L,010L*011L* 012L
	3J29A		3J30A		2020		13		I8H,I9H,I10H
	3J25A		3J24A		2013		15		I5L
011342		777600		502007		307712		20	
	1J03B		1J02B		2020		69		I15L
011342		777700		502016		307712		21	
	0J03B		0J02B		2020		69A		I15L
011342		777700		5020X7		000151		22	
	7J04C		7J05C		2020		28		I15L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L,

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TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J05B		7J03B		2070		28,31,35		011H I7L,012L,I6H, 013H
	7J16G		7J33B		2080		28,49		09L,I10H,I11H, I12H,I13H,I14H, I15H
	7J09D		7J16D		2060		28,51,53		014L,I8H,I9H, I10H
	7J27B		7J23B		2050		07,34		I7L,09H,I5L*I6L, I7L*I8L
	7J16F		7J15F		2060		28,49		I9L,014H,I8L* I9L*I10L
	7J05E		7J21E		2020		28		I8H,I9H,I10H
	3J14B		3J15B		2930		10,11		I7L
	3J28B		3J30B		2900		12		I11L
	7J23F		7J19F		2060		35,36		I7L

011342		777700		5020X7		060711		23	
	7J26B		7J23D		2930		34		I11L,I14L,I12H, I5L*I14L,08L* 06H,I7L*I14L, 06H
	7J30F		7J23F		2060		34		014L,I8H,I9H, I10H
	7J29E		7J19E		2070		34,55		I10L,C15H

011414		400000		017102		000000		24	
	2J01C		2J23C		2013		06		I7H,I8H,I9H, 010H*011H*012H

011414		400000		017102		000151		25	
	2J03B		2J02B		2020		69A		I15L

011414		400000		017102		307712		26	
FOR FURTHER ISOLATION REFER TO TABLE 8-53.									
	2J01E		2J27D		2013		06		I5H,I6H,I7H,I8H, I9H
	2J04B		2J02B		2020		69A		I14L,I5H,I6H, I7H,I13H,I14H, I15H,011H*012L, I13L*I14L*I15L, 011H
	2J05B		2J28B		2020		69A		I14L,I5H,I6H, I7H,I13H,I14H, I15H,011H*012L, I13L*I14L*I15L, 011H
	2J30G		2J35D		2930		69A,70		I7H,I9H,013H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J23C		2J01C		2013		06		015L,I7L*I14L, 013H
	2J30E		2J31E		2040		69A		I5H,I6H,013H* 014H*015H
	2J06B		2J07B		2060		66,69,69A		I5L,I8L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	2J02D		2J25D		2070		65A,70		013L,I5H,I6H, I7H
	2J12D		2J25D		2070		57,58,65A		I6L,012H
	2J16F		2J12F		2070		58,60,69A		I7L,013H
	3J13D		3J04D		2070		07,29,10		I6L,012H
	3J14A		3J12A		2070		08,27,107		014L,I9H
	2J03B		2J02B		2020		69A		I9L,014H
									I8H,I9H,I10H
011415		400000		017102		307712		27	
	9J03B		9J02B		2020		69		I15L
012027		400000		407101		060711		28	
	7J20E		7J24E		2930		34,35		I7H
	7J23D		7J24E		2930		34		I7H
	7J26B		7J24E		2930		34		I5H
012173		000000		5026X7		000007		29	
	3J29C		3J25C		2013		13		I7L,010L*011L* 012L
	3J29A		3J30A		2020		13		I14L
012177		000000		502603		607712		29A	
	7J22D		7J17D		2060		49		013H
012177		000000		502606		000637		30	
	2J17A		2J16A		2013		58		I8L,010L*011L* 012L
012177		000000		502606		000677		31	
	2J16F		2J12F		2070		58,60,69A		013L,I7H
	2J09B		2J08B		2900		66		I7L
012177		000000		502607		307712		32	
	1J17A		1J16A		2013		58		010L*011L*012L
	1J09B		1J08B		2900		66		I7L
	7J22D		7J17D		2060		49		013H
012177		000000		502616		060711		33	
	0J17A		0J16A		2013		58		I8L,010L*011L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J16F 0J09B		0J12F 0J08B		2070 2900		58,60,69A 66		012L 013L,17H I7L
012177		000000		5026X7		060711		34	
	9J17A 7J22D		9J16A 7J17D		2013 2060		58 49		010L*011L*012L 013H,15L*16L* I7L
	9J09B 7J09D		9J08B 7J16D		2900 2060		66 28,51,53		I7L I8L
012177		000200		502605		307712		35	
	1J16F 1J17A		1J12F 1J16A		2070 2013		58,60,69 58		013L,17H I8L
012177		100000		502615		060711		36	
	9J16F 9J17A		9J12F 9J16A		2070 2013		58,60,69 58		013L,17H I8L
012200		000000		502606		000637		37	
	2J02A		2J07A		2060		58,65A		013L,15H,16H
012200		000000		502606		000677		38	
	2J14C 2J09B		2J25C 2J08B		2070 2900		58 66		I9L,014H I11L
012200		000000		502607		060711		39	
	1J14C		1J25C		2070		58		I9L,014H
012200		000000		502607		307712		40	
	1J02A 1J09B		1J07A 1J08B		2060 2900		58,65 66		013L,15H,16H, I7H I11L
012200		000000		502616		060711		41	
	0J02A 0J14C 0J09B		0J07A 0J25C 0J08B		2060 2070 2900		58,65A 58 66		013L,15H,16H, I7H I9L,014H I11L
012200		000000		5026X7		060711		42	
	9J02A 7J23C 9J14C 9J09B 7J23E		9J07A 7J16C 9J25C 9J08B 7J17E		2060 2070 2070 2900 2060		58,65 37,49 58 66 35,49,54		013L,15H,16H, I7H 015L,110H I9L,014H I11L I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012235	1J08B	000000	1J09B	000000	2900	307712	66	43	I7L
012235	2J08B	000000	2J09B	000000	2900	505747	66	44	I7L
012235	0J08B 9J08B	000000	0J09B 9J09B	000000	2900 2900	607707	66 66	45	I7L I7L
012236	1J08B	000000	1J09B	000000	2900	307712	66	46	I11L
012236	2J08B	000000	2J09B	000000	2900	505747	66	47	I11L
012236	0J08B 9J08B	000000	0J09B 9J09B	000000	2900 2900	607707	66 66	48	I11L I11L
013047	3J23A 3J26G	000000	3J03E 3J11G	557730	2030 2040	010044	41 12	49	I15L I6L
013054	7J03A 3J11B	000000	7J21A 3J18B	557730	2020 2050	010044	106 28	50	I7L I8L
013054	7J12C	567112	7J11C	203731	2000	000000	105	51	I9H, I10H
013056	3J26F	000000	3J12F	557730	2050	010044	14,12	52	I11L
013211	1J07B	000000	1J06B	000000	2060	017101	66	53	I11L
013221	7J15F	000000	7J04F	000000	2060	017101	51	54	I12L
013320	7J14E	000000	7J12E	000000	2000	017101	51	55	I7L
013411	1J35D 1J31C	000000	1J30G 1J30C	000000	2930 2050	017101	38 56	56	I12H, I5L*I14L, 06H 09H, I5L*I6L, I7L* I8L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-23. PROGRAM EXECUTION, AIMAT CONTROL - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J31D		1J30D		2930		61,62		I5H
013416		000000		000000		017101		57	
	1J31D		1J30D		2930		61,62		I7H
	1J35D		1J30G		2930		38		I7L
013621		020000		503000		017101		58	
	7J19C		7J22C		2060		53		I6L
014351		000000		557756		017101		59	
	1J19D		1J18D		2930		61,62		I12H, I5L*I14L, 08L*06H, 06H
	1J19C		1J17C		2050		56		I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	1J21C		1J18C		2060		38,62		015L, I11H, I12H
	1J12B		1J11B		2030		66		I14L, 011H, I12L* I13L*I14L
	1J08B		1J09B		2900		66		I14H
	8J10A		8J04A		2040		106		I5H, I6H
	1J32A		1J31A		2030		65		I14L
017022		400000		503000		017103		60	
	7J22D		7J17D		2060		49		I7L
046635		777700		5023X7		000151		61	
	3J31B		3J24B		2060		03,13,03		I8L*I9L*I10L
062407		000602		777777		000151		62	
	6J37E		6J36E		0651		166A		I44H
126635		777700		5023X7		000151		63	
	3J29E		3J20E		2070		14,13,12		014L
177771		777777		777777		000151		64	

TABLE 8-24. PROGRAM EXECUTION, AIMAT CONTROL - NO LOOP LIMIT
CONDITION

LOC	SWAP	TYPE	PLATE	FAULT
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REFER TO FOLLOWING CARD LIST.

7J19D	7J18D	2013	06	17H,18H,19H, 010H*011H*012H
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
000005	3J26E	000000	3J21E	342414	2060	060711	15,16	1	013L,15H,16H, 17H
000401	3J04B	200000	3J03B	000077	2920	407105	21	2	I10L
000401	3J28C	200000	3J30C	600363	2900	017101	12	3	I10L
000710	7J21D	200000	7J20D	002524	2013	000151	37	4	I9L
001003	4J34E	012065	4J33E	342414	2900	000151	103	5	I14H
001322	7J29C	000000	7J22C	000000	2060	000151	32	6	014L,18H,19H, I10H
	7J27A		7J26A		2090		32		15L,010H
	7J31A		7J25A		2020		31		16L
001353	4J08F	200000	4J07F	000076	2040	000151	82	7	I11H,112H
001406	3J07D	424242	3J06D	777777	2920	000151	22	8	015L,111H,112H, I13H,114H
	7J10D		7J08D		2013		22		I9L
001532	7J15F	000001	7J04F	001524	2060	000000	51	9	I8L
	1J22C		1J34C		2030		62		I7L
	1J22D		1J34D		2030		61		I7L
001605	4J02A	363567	3J31F	357127	2020	000151	33	10	I13H,114H,115H
001753	4J34A	000000	4J33A	003774	2900	000151	89	11	I11L
001753	4J33B	000000	4J32B	017760	2900	000151	89	12	I11L
001753	4J32C	000000	4J30C	077700	2900	000151	89	13	I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
001753	4J34C	000000	4J33C	377400	2900	000151	89,90	14	I11L
001753	4J33G	000000	4J32G	600177	2900	000151	90	15	I11L
001753	4J34F	000000	4J33F	740037	2900	000151	90	16	I11L
001753	4J32F	000000	4J30F	770007	2900	000151	90	17	I11L
001753	4J33E	000000	4J32E	776001	2900	000151	90	18	I11L
001753	4J32D	000000	4J30D	777777	2013	000151	19,21	19	I7L,010L*011L* 012L
	4J31G		4J12G		2060		19,30		015L,I11H,I12H
001772	8J15F	000000	8J17F	000000	2000	000151	114	20	I15H
001772	8J16F	000000	8J02F	507310	2020	000151	107	21	I13H,I14H,I15H
002002	8J27B	000000	8J26B	000001	3640	000151	122	21A	I9L,I14L
002155	7J05C	777777	7J04C	000000	2020	000151	28	22	I10H
002166	8J30A	377777	8J05A	000004	2070	000151	122	23	011L
002177	7J05C	777777	7J04C	777777	2020	000151	28	24	I8H,I9H
002212	4J33F	000000	4J32F	000012	2900	000151	103	25	I14H
002432	3J03G	000000	3J06G	000001	2040	000151	18	26	I5L
002432	6J32B 3J23C	000000	6J31B 3J21C	000075	0400 2060	000151	140 41,44	27	I39L,I41L,I42L I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
002432		000000		342475	000151		28	
	4J26A		4J24A	2070		98,93,96		014L,19H
	4J27B		4J26B	2050		93,96		112L,113L
002432		077777		000075	000151		29	
	3J32D		3J29D	2013		05		18L
002432		133331		005640	000151		30	
	7J22F		7J24E	2930		36		15H
002432		337777		040001	000151		31	
	7J23G		7J22G	2020		36		16L
002432		653072		000001	000151		32	
	7J21C		7J20C	2000		37		17H,18H
002432		707070		040000	000151		33	
	6J31C		6J29C	0040		136		111L,116L,118L
002432		707070		100000	000151		34	
	5J29B		5J27B	0400		143		142H
	5J15C		5J13C	0761		137,175		010H
002432		777777		000001	000151		35	
	3J16B		3J08B	2060		48,27,36		015L,111H,112H
002432		777777		000075	000151		36	
	3J20C		3J19C	2060		45		16L,19L
	3J19E		3J16E	2060		45		16L
002474		000000		000002	000151		37	
	7J24D		7J25D	2013		37		15L,17H,18H,19H, 013L*014L*015L, 010H*011H*012H
	7J21D		7J19D	2013		37		15H,16H,013H* 014H*015H
	7J03D		7J02D	2013		06		15L,013L*014L* 015L
	7J20D		7J19D	2013		37		17L
002474		000000		001000	000151		38	
	3J17B		3J16B	2060		47		16L,013H,15L* 16L*17L
002474		000000		400000	000151		39	
	7J22B		7J05B	2070		37		15L,011H
002474		000035		252525	000151		40	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J33D		4J32D		2013		19,21		17L
002474		000035		600000		000151		41	
	4J33G		4J32G		2900		90		17L
002474		000035		740000		000151		42	
	4J34F		4J33F		2900		90		17L
002474		000035		770000		000151		43	
	4J32F		4J30F		2900		90		17L
002474		000035		776000		000151		44	
	4J33E		4J32E		2900		90		17L
002474		000035		777400		000151		45	
	4J34C		4J33C		2900		89,90		17L
002474		000035		777700		000151		46	
	4J32C		4J30C		2900		89		17L
002474		000035		777760		000151		47	
	4J33B		4J32B		2900		89		17L
002474		000035		777774		000151		48	
	4J34A		4J33A		2900		89		17L
002474		000035		777776		000151		49	
	3J05B		3J22B		2080		19		113L
002474		000035		777777		000151		50	
	4J26A		4J24A		2070		98,93,96		15L,011H
	4J33D		4J32D		2013		19,21		010L*011L*012L
	4J34G		4J27G		2050		33		111H,112H
	3J03F		3J16F		2030		20		17L
002474		000036		000002		000151		51	
	7J19A		7J18B		2030		37		010H,15L*16L* 17L*18L*19L
002474		000056		400000		000151		52	
	4J13A		4J11A		2920		33		015L,15H,16H, 17H
	4J28C		4J02C		2900		97		15L
	4J19A		4J18A		2000		87		18L
002474		000057		200000		000151		53	
	4J28C		4J02C		2900		97		114L
	4J18A		4J17A		2000		87		18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002474		000060		100000		000151		54	
	4J29C		4J28C		2900		97		I5L
	4J17A		4J16A		2000		87		I8L
002474		000061		040000		000151		55	
	4J29C		4J28C		2900		97		I14L
	4J19B		4J18B		2000		87		I8L
002474		000062		020000		000151		56	
	3J25D		3J22D		2013		16		I8L
	4J30C		4J29C		2900		97		I5L
	4J18B		4J17B		2000		87		I8L
002474		000063		010000		000151		57	
	4J30C		4J29C		2900		97		I14L
	4J17B		4J16B		2000		87		I8L
002474		000064		004000		000151		58	
	4J28B		4J04B		2900		97		I5L
	4J19C		4J18C		2000		87		I8L
002474		000065		002000		000151		59	
	4J28B		4J04B		2900		97		I14L
	4J18C		4J17C		2000		87		I8L
002474		000066		001000		000151		60	
	4J29B		4J28B		2900		97,98		I5L
	4J17C		4J16C		2000		87		I8L
002474		000067		000400		000151		61	
	4J29B		4J28B		2900		97,98		I14L
	4J19E		4J18E		2000		88		I8L
002474		000070		000200		000151		62	
	4J30B		4J29B		2900		98		I5L
	4J18E		4J17E		2000		88		I8L
002474		000071		000100		000151		63	
	4J30B		4J29B		2900		98		I14L
	4J17E		4J16E		2000		88		I8L
	3J03B		3J04B		2920		20		I13L
002474		000072		000040		000151		64	
	4J28A		4J29A		2900		98		I5L
	4J19F		4J18F		2000		88		I8L
002474		000073		000020		000151		65	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J28A		4J29A		2900		98		I14L
	4J18F		4J17F		2000		88		I8L
002474		000074		000010		000151		66	
	4J29A		4J28A		2900		98		I5L
	4J17F		4J16F		2000		88		I8L
002474		000075		000004		000151		67	
	4J29A		4J28A		2900		98		I14L
	4J30A		4J32A		2900		98		I5L
	4J18G		4J17G		2000		88		I8L
	4J19G		4J14G		2000		88		I8L
002474		000076		000002		000151		68	
	4J31A		4J03A		2050		36		I12L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	7J19G		7J17G		2050		36, 53		09L, I5H, I6H
002500		000077		000001		000151		69	
	7J23F		7J19F		2060		35, 36		I9L, 015L, I11H, I12H, 014H, I8L* I9L*I10L
	3J21G		3J19G		2060		45		013L, I5H, I6H, I7H
	7J22G		7J21G		2020		36		011H*012L, I13L* I14L*I15L, 011H
	4J31A		4J03A		2050		36		09L, I5H, I6H
	7J22C		7J19C		2060		37		015H, I11L*I12L
002502		000000		000001		000151		70	
	3J04C		3J02C		2060		20		014L, I6H, I9H, I10H
	7J09G		7J03G		2070		36, 53		I5L, 011H
	3J17E		3J16E		2060		47		I10L
002510		000000		000000		000151		71	
	4J30D		4J29D		2013		20		I5H, I6H, I7H, I8H, I9H, 010H*011H* 012H, 013H*014H* 015H
	4J19D		4J18D		2013		19		I7H, I8H, I9H, 010H*011H*012H
	4J32D		4J33D		2013		19, 21		I7H, I8H, I9H, 010H*011H*012H
	4J34D		4J33D		2013		19, 21		I7H, I8H, I9H, 010H*011H*012H
	4J32C		4J33C		2900		89		I9H, I12H, 06H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									08L,013H*015L, 06H,013H
	4J32F		4J33F		2900		90		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J33B		4J32B		2900		89		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J33E		4J32E		2900		90		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J33G		4J32G		2900		90		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J34A		4J33A		2900		89		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J34C		4J33C		2900		89,90		19H,112H,06H* 08L,013H*015L, 06H,013H
	4J34F		4J33F		2900		90		19H,112H,06H* 08L,013H*015L, 06H,013H
	3J04D		3J13D		2070		20,07,18		15L,16L,011H, 012H
	3J04C		3J02C		2060		20		013L,15H,16H, 17H
	3J17G		3J15G		2060		47		014L,18H,19H, 110H
	4J13A		4J11A		2920		33		16L,19L,112L, 015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
	3J08B		3J16B		2060		23,47,19		015L,111H,112H
	3J18A		3J16A		2060		47		110L,014H,12L* 19L*110L
	4J31G		4J12G		2060		19,30		112L,015H,111L* 112L
	3J06C		3J03C		2070		17,38,19		110L,015H
	4J04A		4J21A		2070		47,33		012L,16H
	4J26F		4J24F		2070		91,94,100		011L,15H
	7J09G		7J03G		2070		36,53		16L,012H
	4J28A		4J30A		2900		98		15H,114H
	4J28B		4J04B		2900		97		15H,114H
	4J28C		4J02C		2900		97		15H,114H
	4J28E		4J02E		2900		100		15H,114H
	4J28F		4J02F		2900		100		15H,114H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J28G		4J02G		2900		99		I5H, I14H
	4J29A		4J30A		2900		98		I5H, I14H
	4J29B		4J04B		2900		97, 98		I5H, I14H
	4J29C		4J02C		2900		97		I5H, I14H
	4J29E		4J02E		2900		100		I5H, I14H
	4J29F		4J02F		2900		100, 99		I5H, I14H
	4J29G		4J02G		2900		99		I5H, I14H
	4J30B		4J32B		2900		98		I5H, I14H
	4J30C		4J33C		2900		97		I5H, I14H
	4J30E		4J32E		2900		100		I5H, I14H
	4J30F		4J33F		2900		99		I5H, I14H
	4J17A		4J16A		2000		87		I7H, I8H
	4J17B		4J16B		2000		87		I7H, I8H
	4J17C		4J16C		2000		87		I7H, I8H
	4J17E		4J16E		2000		88		I7H, I8H
	4J17F		4J16F		2000		88		I7H, I8H
	4J18A		4J16A		2000		87		I7H, I8H
	4J18B		4J16B		2000		87		I7H, I8H
	4J18C		4J16C		2000		87		I7H, I8H
	4J18E		4J16E		2000		88		I7H, I8H
	4J18F		4J16F		2000		88		I7H, I8H
	4J19A		4J14B		2000		87		I7H, I8H
	4J19B		4J14C		2000		87		I7H, I8H
	4J19C		4J14E		2000		87		I7H, I8H
	4J19E		4J14F		2000		88		I7H, I8H
	4J19F		4J14G		2000		88		I7H, I8H
	4J19G		4J18G		2000		88		I7H, I8H
	4J30G		4J32G		2900		99		I14H
	3J07B		3J06B		2060		23, 19		I12L

002510	7J24A	000000	7J03A	020000	2020	000151	37	72	I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J24B		7J31B		2020		37		I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J25A		7J31A		2020		37		I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J25B		7J31B		2020		37		I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J25C		7J24C		2020		37		I15L, I8H, I9H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J19A		7J18B		2030		37		I10H,011H*012L, I13L*I14L*I15L, 011H I5L,I6L,I7L,I8L, I9L
	7J22B		7J05B		2070		37		I7L,013H
	7J20E		7J31B		2020		37		I8H,I9H,I10H
	7J21A		7J03A		2020		37		I8H,I9H,I10H
	7J21B		7J31B		2020		37		I8H,I9H,I10H
	7J22C		7J19C		2060		37		I5L,I8L
	7J20A		7J11A		2000		37		I9H,I10H
	7J21C		7J20C		2000		37		I9H,I10H
	7J23B		7J13B		2050		37,54		I5H,I6H
002510	7J24C	000000	7J05C	040000	2020	000151	37	73	I15L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	7J20C		7J14C		2000		37		I9H
002510	7J25C	000000	7J24C	100000	2020	000151	37	74	I5H,I6H,I7H
	3J35E		3J34E		2013		04		I7L
002510	3J18B	000013	3J11B	001000	2050	000151	47,48	75	I5L,I7L,09H,I5L* I6L,I7L*I8L
002510	4J31A	000034	4J03A	400000	2050	000151	36	76	I11H,I12H
002510	4J18G	000035	4J17G	000000	2000	000151	88	77	I7H,I8H
	4J30A		4J29A		2900		98		I5H
	3J07F		3J04F		2920		22		I6L
002510	3J03F	000035	3J16F	377777	2030	000151	20	78	I13L
002510	7J22G	000036	7J21G	100000	2020	000151	36	79	I13L
002510	4J28E	000036	4J02E	300000	2900	000151	100	80	I7L
	4J28F		4J02F		2900		100		I7L
	4J28G		4J02G		2900		99		I7L
	4J29E		4J02E		2900		100		I7L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J29F		4J02F		2900		100,99		I7L
	4J29G		4J02G		2900		99		I7L
	4J30E		4J32E		2900		100		I7L
	4J30F		4J33F		2900		99		I7L
	4J30G		4J32G		2900		99		I7L
	4J32C		4J30C		2900		89		I10L
	4J32F		4J33F		2900		90		I10L
	4J33B		4J32B		2900		89		I10L
	4J33E		4J32E		2900		90		I10L
	4J33G		4J32G		2900		90		I10L
	4J34A		4J33A		2900		89		I10L
	4J34C		4J33C		2900		89,90		I10L
	4J34F		4J33F		2900		90		I10L

002510		000037		040000		000151		81	
	7J22B		7J05B		2070		37		015L,I10H
	7J22C		7J19C		2060		37		I12L

002510		000040		020000		000151		82	
	7J22C		7J19C		2060		37		I11L

002510		000044		377000		000151		83	
	4J19D		4J18D		2013		19		I7L

002510		000045		377400		000151		84	
	4J30D		4J29D		2013		20		I5L,013L*014L* 015L
	4J34D		4J33D		2013		19,21		I8L,010L*011L* 012L

002510		000045		777400		000151		85	
	4J30D		4J29D		2013		20		I9L

002524		200000		000000		000151		86	
	8J27D		8J24D		3670		124		I11L,I10H,I11H, I12H,I13H,I14H, I15H,I10L*I11L* I12L,I13L*I14L* I15L,05H,07H
	8J26C		8J25C		3621		123		I9L,I5H,I6H,I7H 012H*013H
	3J05G		3J15G		2060		17,18		015L,I11H,I12H
	3J09G		3J14G		2070		30,34,17		I9L,014H
	8J28D		8J24D		3670		124		I10L,I13L
	4J06D		4J05D		2013		17,26		I6L
	8J27C		8J26C		3621		123		I9L
	8J23D		8J24D		3670		124		I10L*I11L*I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002524		200000		000001		000151		87	
	7J22B		7J05B		2070		37		I6L,012H
	7J24B		7J21B		2020		37		I5H,I6H,I7H
002524		200000		000005		000151		88	
	7J25B		7J24B		2020		37		I5H,I6H,I7H
002524		200000		000010		000151		89	
	8J29C		8J28C		3621		123		I9L
002524		200000		000015		000151		90	
	4J04G		4J13G		2050		27,39		I13H,I14H,I15H
002524		200000		000025		000151		91	
	4J04E		4J03E		2920		39		I5H,I6H,I7H
002524		200000		000030		000151		92	
	8J14B		8J15B		2000		114		O13H
002524		200000		000031		000151		93	
	4J03E		4J04E		2920		39		I11H,I12H,I13H, I14H
002524		200000		000034		000151		94	
	4J03G		4J27F		2920		39		I5H,I6H,I7H
	8J14B		8J17B		2000		114		I15L
	8J15B		8J17B		2000		114		O13H
002524		200000		000036		000151		95	
	7J21F		7J20F		2020		36		I8L
002524		200000		000037		000151		96	
	4J04F		4J11F		2920		39		I11L
002524		200000		000075		000151		97	
	7J22C		7J19C		2060		37		O13L,O14L,I5H, I6H,I7H,I8H,I9H, I10H
	7J23B		7J13B		2050		37,54		I5L,I7L,O9H,I5L* I6L,I7L*I8L
	7J22B		7J05B		2070		37		O13L,I7H
	7J24A		7J03A		2020		37		I5L,I9L
	7J24B		7J20B		2020		37		I5L,I9L
	7J25A		7J31A		2020		37		I5L,I9L
	7J25B		7J31B		2020		37		I5L,I9L
	4J03C		4J04C		2060		39		I12L
	7J21A		7J03A		2020		37		I5L
	7J21B		7J20B		2020		37		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002524		200000		000077		000151		98	
	7J21D		7J20D		2013		37		15L
	7J25C		7J24C		2020		37		15L, 19L
	7J20C		7J14C		2000		37		17L
	7J19A		7J18B		2030		37		113L
002524		200000		007777		000151		99	
	3J06F		3J13F		2060		17		111L
002524		200000		770035		000151		100	
	3J06B		3J02B		2060		17		18L
002530		200000		000035		000151		101	
	7J15C		7J09C		2013		49		15H, 16H, 013H* 014H*015H
	7J11D		7J10D		2013		22		15H, 16H
	7J02B		7J15B		2060		22, 23, 49		18L, 014H, 18L* 19L*110L
	7J16D		7J09D		2060		49		111L, 015H, 111L* 112L
	3J12C		3J06C		2070		47, 11, 30		110L, 015H
002540		200000		000000		000151		102	
	3J29E		3J20E		2070		14, 13, 12		011L, 15H
	3J29G		3J26G		2040		12		17H, 18H
	3J27A		3J18A		2060		13, 25, 33		17L
002542		200000		000035		000151		103	
	7J27G		7J29G		2050		55		15L, 18L, 114L, 09H, 010H, 15L* 16L, 17L*18L, 111L*112L, 113L* 114L*115L
	7J28G		7J12A		2900		55		19H, 06H*08L, 013H*015L, 06H, 013H
	7J03B		7J05B		2070		22		110L, 014L, 19H, 015H
	3J29D		3J27D		2013		12, 13		18L, 010L*011L* 012L
	7J27D		7J26D		2013		55		15H, 16H
	7J02G		7J13G		2050		22		16L, 17L, 09H, 15L* 16L, 17L*18L
	3J15G		3J05G		2060		55, 35, 34		013L, 15H, 16H, 17H
	7J26G		7J19G		2050		54, 55		114L, 010H, 111L* 112L, 113L*114L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J14G		3J09G		2070		55,35,29		I15L
	7J28F		7J27C		2900		55		I5L,011H
	3J07F		3J04F		2920		22		013H*015L,013H
	7J10F		7J08F		2000		104		015L,15H,16H, 17H
	7J10G		7J08G		2000		104		I11H,112H
	7J11G		7J08G		2000		104		I11H,112H
	7J12G		7J14G		2000		104		I11H,112H
	3J30D		3J28D		2900		13		I10L
	3J07D		3J06D		2920		22		I12L
002563		100000		000077		000151		104	
	7J22G		7J21G		2020		36		I8H,19H,110H
	7J19G		7J17G		2050		36,53		I7H,I8H
002563		200000		000000		000151		105	
	3J26D		3J23D		2060		16		I11L
	3J07D		3J06D		2920		22		I13L
002563		200000		000036		000151		106	
	4J03C		4J04C		2060		39		015L,111H,112H
	4J08F		4J07F		2040		82		I14L
002563		200000		000074		000151		107	
	4J04F		4J11F		2920		39		I11H,112H,113H, I14H
002563		200000		000077		000151		108	
	4J03G		4J27F		2920		39		I5L
002563		777777		000035		000151		109	
	8J30A		8J05A		2070		122		I5H
002563		777777		000075		000151		110	
	8J27B		8J26B		3640		122		I9L
002625		777777		000001		000151		111	
	4J13G		4J04G		2050		33		I13L,010H,I11L* I12L,I13L*I14L* I15L
	4J34G		4J27G		2050		33		I13L,010H,I11L* I12L,I13L*I14L* I15L
	4J30G		4J29G		2900		99		I5H
002641		777776		000001		000151		112	
	3J17B		3J16B		2060		47		013L,15H,16H,

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
					17H
002644	000001	000000	000151	113	
3J04C	3J02C	2060	20		15L
002651	000000	070000	000151	114	
4J136	4J046	2050	33		111L
4J346	4J276	2050	33		112L
002651	000000	070707	000151	115	
7J28C	7J12B	2160	28		19L,110L,113L
002651	000000	171717	000151	116	
3J04D	3J13D	2070	20,07,18		012L,16H
4J30D	4J29D	2013	20		16L
002651	000007	070700	000151	117	
7J28C	7J12B	2160	28		18L
002657	777777	000004	000151	118	
4J34A	4J33A	2900	89		15H
002657	777777	000010	000151	119	
4J34A	4J33A	2900	89		114H
002657	777777	000020	000151	120	
4J33B	4J32B	2900	89		15H
002657	777777	000040	000151	121	
4J33B	4J32B	2900	89		114H
002657	777777	000100	000151	122	
4J32C	4J30C	2900	89		15H
002657	777777	000200	000151	123	
4J32C	4J30C	2900	89		114H
002657	777777	000400	000151	124	
4J34C	4J33C	2900	89,90		15H
002657	777777	001000	000151	125	
4J34C	4J33C	2900	89,90		114H
002657	777777	002000	000151	126	
4J33E	4J32E	2900	90		15H
002657	777777	004000	000151	127	
4J33L	4J32E	2900	90		114H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002657	777777	010000	000151					128	
	4J32F	4J30F	2900	90					I5H
002657	777777	020000	000151					129	
	4J32F	4J30F	2900	90					I14H
002657	777777	040000	000151					130	
	4J34F	4J33F	2900	90					I5H
002657	777777	100000	000151					131	
	4J34F	4J33F	2900	90					I14H
002657	777777	200000	000151					132	
	4J33G	4J32G	2900	90					I5H
002657	777777	400000	000151					133	
	4J34G	4J27G	2050	33					I7L,09H,I5L*I6L, I7L*I8L
	4J33G	4J32G	2900	90					I14H
002664	000000	000004	000151					134	
	4J34A	4J33A	2900	89					I5L
002664	000000	000010	000151					135	
	4J34A	4J33A	2900	89					I14L
002664	000000	000020	000151					136	
	4J33B	4J32B	2900	89					I5L
002664	000000	000040	000151					137	
	4J33B	4J32B	2900	89					I14L
002664	000000	000100	000151					138	
	4J32C	4J30C	2900	89					I5L
002664	000000	000200	000151					139	
	4J32C	4J30C	2900	89					I14L
002664	000000	000400	000151					140	
	4J34C	4J33C	2900	89,90					I5L
002664	000000	001000	000151					141	
	4J34C	4J33C	2900	89,90					I14L
002664	000000	002000	000151					142	
	4J33E	4J32E	2900	90					I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002664	4J33E	000000	4J32E	004000	2900	000151	90	143	I14L
002664	4J32F	000000	4J30F	010000	2900	000151	90	144	I5L
002664	4J32F	000000	4J30F	020000	2900	000151	90	145	I14L
002664	4J34F	000000	4J33F	040000	2900	000151	90	146	I5L
002664	4J34F	000000	4J33F	100000	2900	000151	90	147	I14L
002664	4J33G	000000	4J32G	200000	2900	000151	90	148	I5L
002664	4J04A 4J34G 4J33G	000000	4J21A 4J27G 4J32G	400000	2070 2050 2900	000151	47,33 33 90	149	I5L,011H 09L,17H,18H I14L
002670	3J07B 3J17G 4J34D 3J08B	777777	3J06B 3J15G 4J33D 3J16B	000001	2060 2060 2013 2060	000151	23,19 47 19,21 23,47,19	150	015L,I11H,I12H I10L,014H,I8L* I9L*I10L I7L I12L
002670	3J18A	777777	3J16A	400000	2060	000151	47	151	014L,I8H,I9H, I10H
002675	4J33D 3J06C	777777	4J32D 3J03C	000000	2013 2070	000151	19,21 17,38,19	152	I7H,I8H,I9H, 010H*011H*012H I9L,014H
002675	4J33D	777777	4J32D	777776	2013	000151	19,21	153	I8L
002702	4J26A 4J13A	000001	4J24A 4J11A	777000	2070 2920	000151	98,93,96 33	154	011L,I5H I11L
002702	4J17G	400000	4J16G	777000	2000	000151	88	155	I7H,I8H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J30A		4J29A		2900		98		I14H
002702	773276		777000		000151			156	
	3J03E		3J04E		2920		20		I5L
002705	000001		777000		000151			157	
	4J04A		4J21A		2070		47,33		I6L,012H
	4J13A		4J11A		2920		33		I11H,I12H,I13H, I14H
002714	434343		434343		000151			158	
	3J18A		3J16A		2060		47		I5L
	7J22G		7J21G		2020		36		I15L
002721	000001		070707		000151			159	
	4J19A		4J18A		2000		87		I9H,I10H
	3J17G		3J15G		2060		47		I8L
002721	000002		070707		000151			160	
	4J18A		4J17A		2000		87		I9H,I10H
002721	000004		070707		000151			161	
	4J17A		4J16A		2000		87		I9H,I10H
002721	000010		070707		000151			162	
	4J19E		4J18E		2000		87		I9H,I10H
002721	000020		070707		000151			163	
	4J18E		4J17E		2000		87		I9H,I10H
002721	000040		070707		000151			164	
	4J17E		4J16E		2000		87		I9H,I10H
002721	000100		070707		000151			165	
	4J19C		4J18C		2000		87		I9H,I10H
002721	000200		070707		000151			166	
	4J18C		4J17C		2000		87		I9H,I10H
002721	000400		070707		000151			167	
	4J17C		4J16C		2000		87		I9H,I10H
002721	001000		070707		000151			168	
	4J19E		4J18E		2000		88		I9H,I10H
002721	002000		070707		000151			169	
	4J18E		4J17E		2000		88		I9H,I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002721	4J17E	004000	4J16E	070707	2000	000151	88	170	19H, 110H
002721	4J19F	010000	4J18F	070707	2000	000151	88	171	19H, 110H
002721	4J18F	020000	4J17F	070707	2000	000151	88	172	19H, 110H
002721	4J17F	040000	4J16F	070707	2000	000151	88	173	19H, 110H
002721	4J19G	100000	4J18G	070707	2000	000151	88	174	19H, 110H
002721	4J18G	200000	4J17G	070707	2000	000151	88	175	19H, 110H
002721	4J13G	400000	4J04G	070707	2050	000151	33	176	15L, 17L, 09H, 15L* 16L, 17L*18L 19H, 110H
	4J17G		4J16G		2000		88		
002724	4J19A	000001	4J18A	070707	2000	000151	87	177	110L
002724	4J18A	000002	4J17A	070707	2000	000151	87	178	110L
002724	4J17A	000004	4J16A	070707	2000	000151	87	179	110L
002724	4J19B	000010	4J18B	070707	2000	000151	87	180	110L
002724	4J18B	000020	4J17B	070707	2000	000151	87	181	110L
002724	4J17B	000040	4J16B	070707	2000	000151	87	182	110L
002724	4J19C	000100	4J18C	070707	2000	000151	87	183	110L
002724	4J18C	000200	4J17C	070707	2000	000151	87	184	110L
002724		000400		070707		000151		185	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J17C		4J16C		2000		87		I10L
002724		001000		070707		000151		186	
	4J19E		4J18E		2000		88		I10L
002724		002000		070707		000151		187	
	4J18E		4J17E		2000		88		I10L
002724		004000		070707		000151		188	
	4J17E		4J16E		2000		88		I10L
002724		010000		070707		000151		189	
	4J19F		4J18F		2000		88		I10L
002724		020000		070707		000151		190	
	4J18F		4J17F		2000		88		I10L
002724		040000		070707		000151		191	
	4J17F		4J16F		2000		88		I10L
002724		100000		070707		000151		192	
	4J19G		4J18G		2000		88		I10L
002724		200000		070707		000151		193	
	4J18G		4J17G		2000		88		I10L
002724		400000		070707		000151		194	
	4J13G		4J04G		2050		33		09L,17H,18H
	4J17G		4J16G		2000		88		I10L
002733		000000		000000		000151		195	
	4J19D		4J18D		2013		19		15H,16H,013H* 014H*015H
002733		777774		777774		000151		196	
	4J19D		4J18D		2013		19		I5L
002740		776001		776000		000151		197	
	4J34G		4J27G		2050		33		I11L
002745		777000		777000		000151		198	
	3J17B		3J16B		2060		47		I5L
002764		707070		770707		000151		199	
	3J18A		3J16A		2060		47		I9L
002764		770707		770707		000151		200	
	4J34G		4J27G		2050		33		15H,16H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
002764	3J05B	773737	3J22B	373737	2060	000151	19	201	115L
003057	4J35D	177777	4J31C	200000	2030	001313	29	202	010H, I5L*16L* 17L*18L*19L I10H
	4J35C		4J35B		2220		21,29		
003061	8J13A	000000	8J11A	000002	2050	001313	118	203	I6L, I8L, 09H, I5L* I6L, I7L*18L 015L, I10H I7H, I8H
	8J12B		8J06B		2070		118,119		
	8J18A		8J17A		2000		115		
003061	8J13A	000000	8J11A	000004	2050	001313	118	204	I12L, I15L
003061	8J12B	000000	8J06B	000010	2070	001313	118,119	205	014L, I9H I6L, I8L
	8J13B		8J07B		2050		118		
003061	8J13B	000000	8J07B	000020	2050	001313	118	206	I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L I7H, I8H
	8J18B		8J17B		2000		115		
003061	8J13C	000000	8J11C	000040	2050	001313	118,119	207	I6L, I8L, 09H, I5L* I6L, I7L*18L 013L, I7H I7H, I8H
	8J12B		8J06B		2070		118,119		
	8J19B		8J18B		2000		115		
003061	8J13C	000000	8J11C	000100	2050	001313	118,119	208	I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L I7H, I8H I5L
	8J17C		8J15C		2000		116		
	8J34C		8J33C		3780		129		
003061	8J14C	000000	8J13C	000200	2050	001313	119	209	I6L, I8L, 09H, I5L* I6L, I7L*18L 012L, I6H I7H, I8H
	8J12B		8J06B		2070		118,119		
	8J18C		8J17C		2000		116		
003061		000000		000400		001313		210	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J14C		8J13C		2050		119		I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L
	8J19C		8J18C		2000		116		I7H, I8H
003061		000000		001000		001313		211	
	8J14D		8J13D		2050		119		I6L, I8L, 09H, I5L* I6L, I7L*I8L
	8J12B		8J06B		2070		118, 119		011L, I5H
	8J17E		8J16E		2000		116		I7H, I8H
003061		000000		002000		001313		212	
	8J14D		8J13D		2050		119		I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L
	8J18E		8J17E		2000		116		I7H, I8H
003061		000000		004000		001313		213	
	8J14E		8J07E		2050		119, 120		I6L, I8L, 09H, I5L* I6L, I7L*I8L
	8J12F		8J06E		2070		107, 119, 120		015L, I10H
	8J19E		8J18E		2000		116		I7H, I8H
003061		000000		010000		001313		214	
	8J14E		8J07E		2050		119, 120		I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L
	8J17F		8J15F		2000		117		I7H, I8H
003061		000000		020000		001313		215	
	8J14F		8J11F		2050		120		I6L, I8L, 09H, I5L* I6L, I7L*I8L
	8J12F		8J06E		2070		107, 119, 120		014L, I9H
	8J18F		8J17F		2000		117		I7H, I8H
003061		000000		040000		001313		216	
	8J14F		8J11F		2050		120		I12L, I15L, 010H, I11L*I12L, I13L* I14L*I15L
	8J19F		8J18F		2000		117		I7H, I8H
003061		000000		100000		001313		217	
	8J14G		8J09G		2050		120		I6L, I8L, 09H, I5L* I6L, I7L*I8L
	8J12F		8J06E		2070		107, 119, 120		013L, I7H
	8J17G		8J18G		2000		117		I7H, I8H
003061		000000		200000		001313		218	
8-600	CHANGE 7								

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STGP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	8J096		8J07G		2050	106,120		112L,113L,010H, 111L*112L,113L* 114L*115L
	8J14G		8J15G		2050	120		112L,115L,010H, 111L*112L,113L* 114L*115L
	8J11G		8J11E		2060	107,120		014L,18H,19H, 110H
	3J23G		3J20G		2070	14,41,44,46		15L,011H
	8J18G		8J17G		2060	117		17H,18H
003061	3J06D	000001	3J03D	200000	2920	24	219	15H,16H,17H
003061	3J31D	000002	3J02D	000001	2050	29,03	220	16L
003061	8J11A	000006	8J07A	000002	2050	118	221	111H,112H
003061	8J12A	000014	8J12C	000004	2920	118	222	111H,112H,113H, 114H
003061	8J11C	000030	8J07C	000010	2050	118	223	09L,15H,16H
003061	8J12C	000060	8J12A	000020	2920	118	224	111H,112H,113H, 114H
003061	8J11C	000140	8J07C	000040	2050	118	225	111H,112H
003061	8J11D	000300	8J12C	000100	2920	119	226	111H,112H,113H, 114H
003061	8J13D	000600	8J14D	000200	2050	119	227	15H,16H
003061	8J12E	001400	8J13E	000400	2920	119	228	111H,112H,113H, 114H
003061	3J17E	002774	3J03E	100000	2030	48	229	113L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003061		003000		001000		001313		230	
	8J13D		8J14D		2050		119		010L, I11H, I12H
	8J11E		8J04D		2060		119		I&L
003061		006000		002000		001313		231	
	8J13E		8J12E		2920		119		I11H, I12H, I13H, I14H
003061		014000		004000		001313		232	
	8J11F		8J07F		2050		119, 120		09L, I5H, I6H
	8J11E		8J04D		2060		119		I5L
003061		030000		010000		001313		233	
	8J13F		8J13E		2920		120		I11H, I12H, I13H, I14H
003061		040000		100000		001313		234	
	3J04C		3J02C		2060		20		I6L
003061		060000		020000		001313		235	
	8J11F		8J07F		2050		119, 120		010L, I11H, I12H
	8J11G		8J11E		2060		107, 120		I11L
003061		077776		100000		000000		236	
	3J17E		3J03E		2030		48		I9L
003061		100000		037777		001313		237	
	3J16F		3J03F		2030		48		I15L
003061		100000		200000		001313		238	
	8J09F		8J08F		2900		120		I9H, 013H*015L, 013H
	8J12G		8J13G		2920		120		I5L, I&L, I12L, 015H, I11L*I12L* I13L, I5L*I6L* I7L, I&L*I9L* I10L
	8J11G		8J11E		2060		107, 120		015L, I11H, I12H
003061		100000		640000		001313		239	
	3J04C		3J02C		2060		20		I9L
003061		140000		040000		001313		240	
	8J12G		8J13G		2920		120		I11H, I12H, I13H, I14H
003061		140000		200000		001313		241	
	8J11F		8J07F		2050		119, 120		I12L, I13L, 010H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J09F		8J08F		2900		120		I11L*I12L,I13L* I14L*I15L I12H,06H*08L, 06H
003061		160000		200000		001313		242	
	8J08F		8J09F		2900		120		I9H,013H*015L, 013H
	8J11E		8J04D		2060		119		013L,I5H,I6H, I7H
	8J13F		8J13E		2920		120		I5L,I8L,I12L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
003061		170000		200000		001313		243	
	8J11F		8J07F		2050		119,120		I6L,I7L,09H,I5L* I6L,I7L*I8L
	8J08F		8J09F		2900		120		I12H,06H*08L, 06H
003061		174000		200000		000000		244	
	8J08E		8J09C		2900		119		I9H,013H*015L, 013H
003061		174000		200000		001313		245	
	8J11E		8J04D		2060		119		014L,I8H,I9H, I10H
	8J13E		8J12E		2920		119		I5L,I8L,I12L, 015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
003061		176000		200000		001313		246	
	8J13D		8J14D		2050		119		I12L,I13L,010H, I11L*I12L,I13L* I14L*I15L
	8J08E		8J09C		2900		119		I12H,06H*08L, 06H
003061		177000		200000		001313		247	
	8J09C		8J08C		2900		119		I9H,013H*015L, 013H
	8J12E		8J13E		2920		119		I5L,I8L,I12L, 015H,I11L*I12L* I13L,I5L*I6L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J11E		8J04D		2060		119		I7L, I8L* I9L* I10L 015L, I11H, I12H
003061	8J09C	177400	8J08C		2900	000000	119	248	I12H, 06H*08L, 06H
003061	8J13D	177400	8J14D		2050	001313	119	249	I6L, I7L
003061	8J08C	177600	8J09C		2900	001313	119	250	I9H, 013H*015L, 013H I5L, I12L
	8J11D		8J12C		2920		119		
003061	8J08C	177700	8J09C		2900	001313	119	251	I12H, 06H*08L, 06H I12L, I13L
	8J11C		8J07C		2050		118		
003061	8J08B	177740	8J09A		2900	001313	118	252	I9H, 013H*015L, 013H I5L, I12L
	8J12C		8J12A		2920		118		
003061	8J08B	177760	8J09A		2900	001313	118	253	I12H, 06H*08L, 06H I6L, I7L
	8J11C		8J07C		2050		118		
003061	8J12A	177770	8J12C		2920	001313	118	254	I5L, I12L
003061	8J11A	177774	8J07A		2050	001313	118	255	I12L, I13L
003061	8J12D	177776	8J09D		2013	001313	27	256	I7L, 010L*011L* 012L I9H, 013H*015L, 013H I5L, I8L
	8J08A		8J09A		2900		118		
	8J11A		8J07A		2050		118		
003061	3J23B	200000	3J21B		2060	001313	41	257	I10L
003061		201000			200000	001313		258	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J14D		8J13D		2050		119		17H, 18H
003061	202000		200000		001313			259	
	8J14D		8J13D		2050		119		113H, 114H, 115H
003061	204000		200000		001313			260	
	8J14E		8J07E		2050		119, 120		17H, 18H
003061	210000		200000		001313			261	
	8J14E		8J07E		2050		119, 120		113H, 114H, 115H
003061	220000		200000		001313			262	
	8J14F		8J11F		2050		120		17H, 18H
003061	240000		200000		001313			263	
	8J14F		8J11F		2050		120		113H, 114H, 115H
003061	300000		100000		001313			264	
	8J09G		8J07G		2050		106, 120		010L, 111H, 112H
	8J11G		8J11E		2060		107, 120		18L
003061	300000		200000		001313			265	
	8J14G		8J09G		2050		120		17H, 18H
003061	600000		200000		001313			266	
	8J13G		8J12G		2920		120		111H, 112H, 113H, 114H
	8J07G		8J03G		2050		81		17L
003061	777777		200000		001313			267	
	3J08E		3J07H		2060		23, 47, 19		19L
003063	000001		000002		001313			268	
	8J09B		8J09E		2030		107		114L
003063	000003		000004		001313			269	
	8J09B		8J09E		2030		107		113L
003063	000007		000010		001313			270	
	8J09E		8J09E		2030		107		112L
003063	000017		000020		001313			271	
	8J09B		8J09E		2030		107		19L
003063	000037		000040		001313			272	
	8J09B		8J09E		2030		107		18L
003063	000077		000100		001313			273	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J09B		8J09E		2030		107		17L
003063		000177		000200		001313		274	
	8J09B		8J09E		2030		107		16L
003063		000377		000400		001313		275	
	8J09B		8J09E		2030		107		15L,010H,15L* 16L*17L*18L*19L
	8J06D		7J25F		2220		34,107		18H
003063		000777		001000		001313		276	
	8J09E		8J09B		2030		107		115L
003063		001777		002000		001313		277	
	8J09E		8J09B		2030		107		114L
003063		003777		004000		001313		278	
	8J09E		8J09B		2030		107		113L
003063		007777		010000		001313		279	
	8J09E		8J09B		2030		107		112L,011H,112L* 113L*114L
	8J06D		7J25F		2220		34,107		17H
003063		017777		020000		001313		280	
	8J09E		8J09B		2030		107		19L
003063		037777		040000		001313		281	
	8J09E		8J09B		2030		107		18L
003063		077777		100000		001313		282	
	8J09E		8J09B		2030		107		17L
003063		177777		200000		001313		283	
	8J08G		8J09F		2900		120		112H,06H*08L, 06H
	8J09E		8J09B		2030		107		16L,010H,15L* 16L*17L*18L*19L
	8J06D		7J25F		2220		34,107		16H
003063		400000		377777		001313		284	
	8J08G		8J09F		2900		120		19H,013H*015L, 013H
	8J09E		8J09B		2030		107		15L
003067		177777		577777		001313		285	
	8J15G		8J14G		2050		24,120		15L,17L,09H,15L* 16L,17L*18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J19G		8J18G		2000		117		17H, 18H
	8J13G		8J12G		2920		120		15H, 16H, 17H
003067		377777		400000		001313		286	
	3J17E		3J03E		2030		48		112L
003067		400777		377777		001313		287	
	8J12E		8J13E		2920		119		16L, 111L
003067		401777		377777		001313		288	
	8J13D		8J14D		2050		119		111L, 114L
003067		403777		377777		001313		289	
	8J13E		8J12E		2920		119		16L, 111L
003067		407777		377777		001313		290	
	8J11F		8J07F		2050		119, 120		15L, 18L
003067		417777		377777		001313		291	
	8J13F		8J13E		2920		120		16L, 111L
003067		437777		377777		001313		292	
	8J11F		8J07F		2050		119, 120		111L, 114L
003067		477777		377777		001313		293	
	8J12G		8J13G		2920		120		16L, 111L
003067		477777		677777		001313		294	
	8J09G		8J07G		2050		106, 120		113H, 114H, 115H
	8J14G		8J15G		2050		120		111L, 113L
003067		577777		177777		001313		295	
	4J04A		4J21A		2070		47, 33		011L, 15H
	4J34G		4J27G		2050		33		16L, 18L
003067		577777		377777		001313		296	
	8J09G		8J07G		2050		106, 120		111L, 114L
003067		637777		737777		001313		297	
	8J14G		8J09G		2050		120		15L, 17L
	8J12G		8J13G		2920		120		15H, 16H, 17H
003067		717777		757777		001313		298	
	8J11F		8J07F		2050		119, 120		113H, 114H, 115H
	8J14F		8J03G		2050		120		111L, 113L
003067		747777		767777		001313		299	
	8J14F		8J11F		2050		120		15L, 17L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J13F		8J13E		2920		120		15H,16H,17H
003067	763777		773777		001313			300	
	8J11F		8J07F		2050		119,120		17H,18H
	8J14E		8J07E		2050		119,120		111L,113L
003067	771777		775777		001313			301	
	8J14E		8J07E		2050		119,120		15L,17L
	8J13E		8J12E		2920		119		15H,16H,17H
003067	774777		776777		001313			302	
	8J13D		8J14C		2050		119		113H,114H,115H
	8J14D		8J02E		2050		119		111L,113L
003067	776377		777377		001313			303	
	8J14D		8J13D		2050		119		15L,17L
003067	777177		777577		001313			304	
	8J14C		8J13C		2050		119		111L,113L
003067	777477		777677		001313			305	
	8J14C		8J13C		2050		119		15L,17L
	8J11D		8J12C		2920		119		15H,16H,17H
003067	777637		777737		001313			306	
	8J13C		8J11C		2050		118,119		111L,113L
003067	777717		777757		001313			307	
	8J13C		8J11C		2050		118,119		15L,17L
	8J12C		8J12A		2920		118		15H,16H,17H
003067	777747		777767		001313			308	
	8J11C		8J07C		2050		118		17H,18H
	8J13B		8J07B		2050		118		111L,113L
003067	777763		777773		001313			309	
	8J12A		8J12C		2920		118		15H,16H,17H
003067	777777		377777		001313			310	
	8J13G		8J12G		2920		120		16L,18L,111L, 015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
	8J15G		8J14G		2050		24,120		17H,18H
003067	777777		577777		001313			311	
	8J14G		8J09G		2050		120		113H,114H,115H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STGP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003071		000000		777776		001313		312	
	3J11A		3J06A		2060		27,30		110L,014H,18L* 19L*110L
	3J14A		3J12A		2070		08,27,107		011L,15H
	3J05D		3J08D		2060		38		111L
	3J12B		3J09B		2020		27		15L
	8J13E		8J07E		2050		118		114L
	8J13C		8J11C		2050		118,119		114L
	8J14C		8J13D		2050		119		114L
	8J14D		8J13D		2050		119		114L
	8J14E		8J07E		2050		119,120		114L
	8J14F		8J11F		2050		120		114L
	8J14G		8J09G		2050		120		114L
003071		000001		777776		001313		313	
	4J31C		4J12C		2030		97		115L
003071		000017		777776		001313		314	
	4J31C		4J12C		2030		97		011H,112L*113L* 114L
	4J35B		4J35C		2220		29		113H
003073		000000		400000		001313		315	
	8J12F		8J06E		2070		107,119,120		012L,16H
	8J15G		8J14G		2050		24,120		16L,18L
	8J13G		8J12G		2920		120		15L,112L
	4J35D		4J31C		2030		29		15L
	3J13G		3J07G		2920		35		19L
003226		777777		777777		000151		316	
	3J21A		3J19A		2160		44		111L
003231		000000		777777		000151		317	
	3J21D		3J17D		2000		44		014L,18H,19H, 110H
	3J19A		3J21A		2160		44		112L
003240		777777		000004		000151		318	
	4J03E		4J04E		2920		39		111L
003240		777777		000010		000151		319	
	4J04E		4J03E		2920		39		15L
003240		777777		000017		000151		320	
	7J28C		7J12B		2160		20		17L
003240		777777		000020		000151		321	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J04G		4J13G		2050		27,39		I13L
003240	777777			000043	000151			322	
	4J31A		4J03A		2050		36		I11L, I14L
003240	777777			000044	000151			323	
	4J31A		4J03A		2050		36		I7H, I6H
003244	777777			000000	000151			324	
	3J21A		3J19A		2160		44		014L, 15H
	3J12E		3J24E		2900		29		I14L
003244	777777			000001	000151			325	
	3J13A		3J11A		2060		27		I7L
003257	000400			777777	000151			326	
	4J24B		4J23B		2050		96		I13L
	4J21E		4J20E		2920		93		015L
003264	434343			000020	000151			327	
	4J04A		4J21A		2070		47,33		013L, 17H
	4J34G		4J27G		2050		33		I14L
003264	577777			000013	000151			328	
	4J24D		4J23D		2050		95		I13L
003264	577777			000015	000151			329	
	4J26C		4J24C		2070		92,95,100		I6L, 012H
	4J25E		4J13E		2050		91,92		I7H, I6H
	4J25C		4J23C		2920		92		015L
003264	577777			000021	000151			330	
	4J24B		4J23B		2050		96		I7L
003264	577777			000023	000151			331	
	4J22E		4J21E		2920		93		I8H, I9H, I10H
003277	000004			777777	000151			332	
	4J22E		4J21E		2920		93		I5L, I12L
	4J20E		4J04E		2920		93		015L
003305	577777			000013	000151			333	
	4J22D		4J21D		2050		95		I7L
003305	577777			000015	000151			334	
	4J26C		4J24C		2070		92,95,100		I7L, 013H
	4J24D		4J23D		2050		95		I5H, I6H
	4J27C		4J25C		2920		92		015L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003305	4J22B	577777	4J21B	000021	2050	000151	96	335	17L
003305	4J26A 4J24B 4J27A	577777	4J24A 4J23B 4J23A	000023	2070 2050 2920	000151	98,93,96 96 93	336	17L,013H 111H,112H 015L
003312	3J30C	000000	3J28C	353535	2900	000151	13	337	19L,013L*015H, 015H
003312	3J21E 3J21A	000000	3J19E 3J19A	424242	2060 2160	000151	44 44	338	015L,15H,16H, 17H 112L
003312	3J20D	121210	3J19D	541074	2013	000151	45	339	19L
003312	3J19C 3J23B 3J22F 3J23A	353535	3J18C 3J21B 3J08F 3J03E	353535	2060 2060 2070 2030	000151	45 41 41 41	340	112L,013L,15H, 16H,17H,015H, 111L*112L 013L,15H,16H, 17H 16L,012H 18L
003312	3J21E 3J19A	424243	3J19E 3J21A	353535	2060 2160	000151	44 44	341	014L,18H,19H, 110H 17L
003312	3J20D	446755	3J19D	015671	2013	000151	45	342	15L
003312	3J28G	560151	3J21G	353535	2060	000151	12,48	343	110L
003312	3J19C	727272	3J18C	727273	2060	000151	45	344	19L
003312	3J28A	777777	3J10A	777777	2050	000151	27	345	112L,17H,18H, 010H,111L*112L, 113L*114L*115L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003314		353535		000000		000151		346	
	3J20E		3J18E		2070		45		15L,012L,16H, 011H
	3J27G		3J12G		2050		12		113H,114H,115H
	3J21C		3J20C		2060		44		112L
	3J21E		3J19E		2060		44		19L
003314		353536		000000		000151		347	
	3J15G		3J05G		2060		55,35,34		015H,111L*112L
	8J06D		7J25F		2220		34,107		112H
003314		424242		000000		000151		348	
	3J19B		3J18B		2050		47,46		17H,18H
	3J03B		3J04B		2920		20		19L
003314		424243		000000		000151		349	
	3J21E		3J19E		2060		44		16L
	3J03B		3J04B		2920		20		110L
003314		753536		000000		000151		350	
	3J08C		3J22G		2080		22		113L
003314		777777		000000		000151		351	
	4J31G		4J12G		2060		19,30		16L,014L,18H, 19H,110H,013H, 15L*16L*17L
	3J09B		3J12B		2020		30		114L,011H*012L, 113L*114L*115L, 011H
	3J28A		3J10A		2050		27		113L
003321		000000		000000		000151		352	
	3J10G		3J02G		2050		30		16L,010L,112L, 113L,09H,010H, 111H,112H,15L* 16L,17L*18L, 111L*112L,113L* 114L*115L
	3J15A		3J22A		2013		05		17H,18H,19H, 010H*011H*012H
	3J09D		3J05A		2040		30		16L,17L,113L, 15H,16H,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
	3J09E		3J31E		2020		30		113H,114H,115H, 011L*012H,15L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J17F		3J16F		2030		47,48		16L*17L,18L*19L* 110L,012H
	3J20A		3J05B		2060		44,45		010L,15H,16H, 17H,18H,19H
	3J10E		3J06E		2060		03,30		05L,16H,17H,18H 112L,015H,111L* 112L
	3J11A		3J06A		2060		27,30		015L,111H,112H
	3J17G		3J15G		2060		47		15L,015H,15L* 16L*17L
	3J20C		3J19C		2060		45		111L,015H,111L* 112L
	3J09G		3J14G		2070		30,34,17		011L,15H
	3J17A		3J14A		2070		47,48		011L,15H
	3J17D		3J08D		2060		47		015H,111L*112L
	3J18C		3J17C		2060		47		014H,18L*19L* 110L
	3J02A		3J07A		2920		21		18H,19H,110H
	3J05C		3J07C		2920		19		19L

003323		000000		000000		000151		353	
	3J18C		3J17C		2060		47		110L
	3J09B		3J12B		2020		30		113L
	3J09D		3J05A		2040		30		110L

003332		001000		006400		000151		354	
	7J22G		7J21G		2020		30		15L,16L,19L, 113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H
	7J19G		7J17G		2050		36,53		15L,09H,15L*16L, 17L*18L
	7J23F		7J19F		2060		35,36		112L
	4J31A		4J03A		2050		36		010L

003332		377777		200000		000151		355	
	3J19B		3J18B		2050		47,46		17L

003336		077777		200000		000151		356	
	3J07F		3J04F		2920		22		18H,19H,110H

003336		077777		377777		000151		357	
	3J13A		3J11A		2060		27		013L,15H,16H, 17H
	3J09C		3J04C		2060		53,30		111L,015H,111L* 112L
	3J16B		3J08B		2060		48,27,36		18L,014H,18L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J09G 4J04B		3J14G 4J02B		2070 2900		30,34,17 27		I9L*I10L 012L,16H I9H
003340	077777		400000		000151			358	
	4J13B		4J12A		2060		30		I11L,013L,15H, I6H,I7H,015H, I11L*I12L
	3J09E		3J31E		2020		30		I15L,18H,19H, I10H,011H*012L, I13L*I14L*I15L, 011H
	3J10G		3J02G		2050		30		09L,15H,16H, I13H,I14H,I15H
	3J10F		3J11F		2050		30		I11L,I14L,010H, I11L*I12L,I13L* I14L*I15L
	3J02C		3J04C		2060		30,15,21		013L,15H,16H, I7H
	3J10E 3J11A		3J06E 3J06A		2060 2060		03,30 27,30		015L,I11H,I12H I11L,015H,I11L* I12L
	3J09G 3J18C 3J09D		3J14G 3J17C 3J05A		2070 2060 2040		30,34,17 47 30		I5L,011H I9L I9L
003342	077777		400000		000151			359	
	3J17D 3J18C		3J08D 3J17C		2060 2060		47 47		I11L I6L
003345	077777		400000		000151			360	
	3J09B		3J12B		2020		30		I5L,I8L,I9L, I13H,I14H,I15H, 011L*012H,I5L* I6L*I7L,I6L*I9L* I10L,012H
	3J09C		3J04C		2060		53,30		I12L,015L,I11H, I12H
	4J31G		4J12G		2060		19,30		I9L,014H,18L* I9L*I10L
	3J09G 4J20E 3J09D		3J14G 4J04E 3J05A		2070 2920 2040		30,34,17 93 30		I6L,012H I5H,I6H,17H I9H,I10H
003352	077777		727272		000151			361	
	3J21D 3J20A		3J17D 3J05B		2060 2080		44 44,45		015L,I11H,I12H I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003372	3J28A	000000	3J10A	677777	2050	000151	27	362	I14L
003372	4J23A	000001	4J22A	300000	2920	000151	96	363	I8H, I9H, I10H
003372	3J19C	400000	3J18C	077777	2060	000151	45	364	I11L, I014L, I8H, I9H, I10H
003372	3J20A	777777	3J05B	277777	2080	000151	44, 45	365	I11L
003376	3J28A	700000	3J10A	000001	2050	000151	27	366	I5L, I7L, I010L, I09H, I13H, I14H, I15H, I5L*I6L, I7L*I8L
	4J31G		4J12G		2060		19, 30		I8L, I013L, I5H, I6H, I7H
	4J04B		4J02B		2900		27		I5H
	4J22E		4J21E		2920		93		I9L, I11L
003523	4J23E	000000	4J22E	000002	2920	000151	93	367	I11H, I12H, I13H, I14H
	4J03A		4J31A		2050		33		I11L, I13L
	3J03B		3J04B		2920		20		I11L
	4J23A		4J22A		2920		96		I11L
003523	4J03A	000000	4J31A	000006	2050	000151	33	368	I12L, I14L, I11H, I12H, I13H, I14H, I15H
	4J27A		4J23A		2920		93		I8H, I9H, I10H, I11H, I12H, I13H, I14H
	3J11G		3J06G		2040		29		I13H, I14H
	3J05C		3J07C		2920		19		I11L
	4J22A		4J20A		2920		96		I10L
003523	8J14B	000000	8J15B	000016	2000	000151	114	369	I11L, I7H, I8H, I15H, I013H*I014L, I013L*I014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L*I12L, I014H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOF CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J27B		4J26B		2050		93,96		I7H,I8H
	7J23G		7J22G		2020		36		I5L
	3J03E		3J04E		2920		20		I7L
	4J24E		4J23E		2920		92		I10L

003523	000000		000036		000151			370	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	4J04A		4J21A		2070		47,33		I10L,I15L,I10H, 015H
	4J26C		4J24C		2070		92,95,100		I5L,011L,I5H, 011H
	4J03A		4J31A		2050		33		010L,010H,I11L* I12L,I13L*I14L* I15L
	3J04A		3J05A		2040		20		I12L,I11H,I12H, I13H,I14H
	4J13A		4J11A		2920		33		I5L,I10L,I8H, I9H,I10H
	4J25E		4J13E		2050		91,92		I6L,I8L
	3J06G		3J03G		2040		17		I5H,I6H
	3J06F		3J13F		2060		17		I5L
	3J16B		3J08B		2060		48,27,36		I11L
	3J03D		3J06D		2920		20		I12L
	4J25C		4J23C		2920		92		I9L

003523	000000		000076		000151			371	
	4J25A		4J10A		2040		93		I7L,I11L,I5H, I6H,I11H,I12H
	4J20E		4J04E		2920		93		I10L,I8H,I9H, I10H
	4J25C		4J23C		2920		92		I11H,I12H,I13H, I14H
	4J24B		4J23B		2050		96		I11L,I14L
	4J27A		4J23A		2920		93		I5H,I6H,I7H
	3J04F		3J07F		2920		18		I9L
	4J21E		4J22E		2920		93		I10L
	4J23E		4J22E		2920		93		I10L
	4J25F		4J23F		2920		91		I9L
	4J26E		4J24E		2920		91		I10L

003523	000000		000176		000151			372	
	4J25A		4J10A		2040		93		I5L,I6L,I9L, I12L,I7H,I8H, 015H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
	4J27B		4J26B		2050		93,96		I5L,I7L,09H,I5L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J21E		4J04E		2920		93		16L, 17L*18L 18H, 19H, 110H, 111H, 112H, 113H, 114H
	4J13G		4J04G		2050		33		112L, 114L, 111H, 112H
	4J26A		4J24A		2070		98, 93, 96		012L, 16H
	4J20E		4J04E		2920		93		113L, 111H, 112H, 113H, 114H
	3J03B		3J04B		2920		20		16L, 15H, 16H, 17H
	3J04F		3J07F		2920		18		18L, 18H, 19H, 110H
	4J27C		4J03E		2920		92		111H, 112H, 113H, 114H
	8J13A		8J11A		2050		118		15L, 17L
	4J20F		4J11F		2920		94		18H, 19H, 110H
	4J23E		4J24E		2920		93		18H, 19H, 110H
	7J22F		7J24E		2930		36		17L
	4J22E		4J24E		2920		93		17L, 110L
	7J20C		7J14C		2000		37		18L
	4J03A		4J31A		2050		33		15L
	3J05B		3J22B		2080		19		114L
	3J06G		3J03G		2040		17		15L
	4J22C		4J20C		2920		95		112L
	4J23C		4J20C		2920		95		112L
	4J25C		4J03E		2920		92		16L
	4J27A		4J23A		2920		93		19L

003523		000000		000376		000151		373	
	4J26A		4J24A		2070		98, 93, 96		013L, 17H
	4J21E		4J20E		2920		93		113L, 15H, 16H, 17H
	4J27D		4J26D		2050		92, 95		15H, 16H
	8J02E		8J03E		2050		24, 53		15L, 13L
	4J25C		4J23C		2920		92		15H, 16H, 17H
	4J27A		4J23A		2920		93		16L, 111L
	4J24E		4J23B		2050		96		112L
	4J25F		4J23F		2920		91		16L
	4J27E		4J26E		2920		91		110L

003523		000000		000776		000151		374	
	4J27G		4J26G		2050		91, 94		15L, 17L, 09H, 15L* 16L, 17L*18L
	3J26D		3J23D		2060		16		013L, 15H, 16H, 17H
	3J03B		3J06D		2920		20		113L, 111H, 112H, 113H, 114H
	4J29D		4J28D		2013		20		19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J25F		4J23F		2920		91		I12L, 15H, 16H, 17H
	4J03A		4J31A		2050		33		I7H, I&H
	8J02E		8J03E		2050		24, 33		15H, I&H
	4J20C		4J22C		2920		95		I&H, I9H, I10H
	3J20F		3J19F		2060		27, 45		I&L
	3J21G		3J19G		2060		45		I&L
	3J21A		3J19A		2160		44		I7L
	3J05A		3J04A		2040		19		I13L
	3J05E		3J09D		2040		17		I10L
	4J20A		4J13A		2920		96		I11L
	4J22A		4J23A		2920		96		I12L

003523		000000		001776		000151		375	
	8J02F		8J16F		2020		33		I7L, I13H, I14H, I15H, 011L*012H, I5L*I6L*I7L, I8L*I9L*I10L, 012H
	4J22A		4J20A		2920		96		I11L, I11H, I12H, I13H, I14H
	8J02E		8J03E		2050		24, 33		09L, I7H, I8H
	4J16D		4J15D		2013		18		I7L
	3J04F		3J07F		2920		18		015L, 15H, 16H, I7H
	4J13G		4J04G		2050		33		15H, I&H
	3J05G		3J15G		2060		17, 18		I10L
	3J21B		3J17B		2060		44		I12L
	7J23G		7J22G		2020		36		I7L
	4J24D		4J23D		2050		95		I6L
	4J25E		4J13E		2050		91, 92		I7L
	4J22C		4J20C		2920		95		I11L
	4J22F		4J20F		2920		94		I10L
	4J23C		4J25C		2920		95		I11L

003523		000000		003776		000151		376	
	7J22F		7J24E		2930		36		I10L, I14L, I9H, I12H, I5L*I14L, 08L*06H, 013H*015L, I7L*I14L, 06H, 013H
	3J13B		3J12B		2020		27		I5L, I9L, I13L, I&H, I9H, I10H, I13H, I14H, I15H, 011L*012H, 011H*012L, I13L*I14L*I15L, I5L*I6L*I7L, I&L*I9L*I10L, 011H, 012H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J25E		3J23E		2013		16		16L, 15H, 16H, 013H*014H*015H
	3J20E		3J18E		2070		45		110L, 013L, 014L, 17H, 19H, 015H
	7J22E		7J25E		2020		36		15L, 113L, 15H, 16H, 17H, 011H* 012L, 113L*114L* 115L, 011H
	3J20D		3J19D		2013		45		15H, 16H, 013H* 014H*015H
	8J03D		8J02D		2013		06		17H, 18H, 19H 010H*011H*012H
	8J02F		8J16F		2020		33		113L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H
	7J23G		7J22G		2020		36		15H, 16H, 17H, 011H*012L, 113L* 114L*115L, 011H
	7J20D		7J19D		2013		37		15H, 16H
	8J02E		8J03E		2050		24, 33		16L, 17L, 09H, 15L* 16L, 17L*18L
	3J04C		3J02C		2060		20		112L, 015L, 111H, 112H
	3J05G		3J15G		2060		17, 18		014L, 18H, 19H, 110H
	3J27A		3J18A		2060		13, 25, 33		014L, 18H, 19H, 110H
	4J27A		4J23A		2920		93		15L, 18L, 015H, 111L*112L*113L, 15L*16L*17L, 18L* 19L*110L
	4J27C		4J03E		2920		92		15H, 16H, 17H, 18H, 19H, 110H
	3J16B		3J08B		2060		48, 27, 36		112L, 015H, 111L* 112L
	3J26D		3J23D		2060		16		015L, 111H, 112H
	3J08F		3J22F		2070		16, 52, 33, 12		17L, 013H
	3J03B		3J04B		2920		20		112L, 111H, 112H, 113H, 114H
	3J34E		3J33E		2013		04		17L
	4J15D		4J14D		2013		18		19L
	4J30D		4J29D		2013		20		17L
	3J07G		3J13G		2920		36		16L, 15H, 16H, 17H
	7J20A		7J11A		2000		37		17H, 18H
	7J20C		7J14C		2000		37		17H, 18H
	4J27G		4J26G		2050		91, 94		15H, 16H
	4J25C		4J03E		2920		92		18H, 19H, 110H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J25F		4J27F		2920		91		18H,19H,110H
	3J03F		3J16F		2030		20		18L,115L
	3J03G		3J06G		2040		18		15H,16H
	3J04F		3J07F		2920		18		15L,16L
	4J23F		4J22F		2920		94		110L,111L
	3J04E		3J02E		2060		20		16L
	3J06F		3J13F		2060		17		110L
	3J17G		3J15G		2060		47		19L
	3J19C		3J18C		2060		45		16L
	3J20F		3J19F		2060		27,45		111L
	3J34F		3J33F		2060		04		15L
	4J02A		3J31F		2020		33		17L
	7J21E		7J05E		2020		36		114L
	7J21G		7J20G		2020		36		15L
	4J03A		4J51A		2050		33		17L
	4J27D		4J26D		2050		92,95		09L
	7J19A		7J18A		2030		37		115L
	3J20A		3J05B		2080		44,45		115L
	3J04A		3J05A		2040		20		111L
	3J03D		3J06D		2920		20		111L
	3J05C		3J07C		2920		19		113L
	4J20A		4J13A		2920		96		19L
	4J20C		4J11B		2920		95		111L
	4J22C		4J11B		2920		95		110L
	4J22E		4J21E		2920		93		18L
	4J23C		4J11B		2920		95		110L
	4J23E		4J21E		2920		93		113L
	4J24E		4J27E		2920		92		113L
	4J26E		4J27E		2920		91		113L

003523		004524		000176		000151		377	
	3J20G		3J16G		2070		8,45		011L,15H
	3J20F		3J19F		2060		27,45		112L

003523		004524		003776		000151		378	
	3J20F		3J19F		2060		27,45		015H,111L*112L

003523		007203		000776		000151		379	
	3J04A		3J05A		2040		20		113L

003523		044047		000002		000151		380	
	3J06E		3J04E		2060		24,19		110L

003523		721121		000006		000151		381	
	8J15A		8J14A		2000		114		17H,18H

003523		777774		003776		000151		382	
	3J07G		3J13G		2920		36		15L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STCP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003523	4J03A	777777	4J31A	000036	2050	000151	33	383	15H,16H
003523	3J20D	777777	3J19D	000176	2013	000151	45	384	17H,18H,19H, 010H*011H*012H
003523	4J02A	777777	3J31F	000776	2020	000151	33	385	113L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	4J04A		4J21A		2070		47,33		19L,014H
	7J09D		7J16D		2060		28,51,53		19L
	4J03A		4J31A		2050		33		09L
003535	4J04G	000002	4J13G	000001	2050	000151	27,39	386	09L,17H,18H
	3J28A		3J10A		2050		27		15H,16H
	3J13A		3J11A		2060		27		18L
003535	3J16F	700002	3J03F	000070	2030	000151	48	387	010L,15H,16H, 17H,18H,19H
	3J28G		3J21G		2060		12,48		111L
003535	3J02G	700002	3J10G	005777	2050	000151	18	388	113H,114H,115H
003535	3J18E	700002	3J20E	006000	2070	000151	48,46	389	110L,015H
003535	3J16F	700002	3J03F	077776	2030	000151	48	390	112L
003535	4J04G	700002	4J13G	700002	2050	000151	27,39	391	15L,18L,09H,15L* 16L,17L*18L
	3J13A		3J11A		2060		27		014L,18H,19H, 110H
	3J28A		3J10A		2050		27		16L,111H,112H
	3J17F		3J16F		2030		47,48		15L,010H,15L* 16L*17L*18L*19L
	3J05C		3J07C		2920		19		015L,18H,19H, 110H
003535		700002		700003		000151		392	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J11G		3J06G		2040		29		I12L, I13L, 015H, I5L+I6L, I7L+I8L, I9L+I10L, I11L+ I12L, I13L+I14L
003535		700002		777776		000151		393	
	3J16E		3J10E		2060		48		I5L
	3J03G		3J06G		2040		18		I14L
003535		777776		777776		000151		394	
	3J17E		3J03E		2030		48		I8L
003554		777777		000017		000151		395	
	3J17B		3J16B		2060		47		I7L
003624		000000		000010		000151		396	
	4J11G		3J08C		2080		101		I12L
003624		000000		000020		000151		397	
	4J11G		3J08C		2080		101		I10L
003624		000000		000040		000151		398	
	4J11G		3J08C		2080		101		I15L
003624		000000		000100		000151		399	
	4J11G		3J08C		2080		101		I13L
003624		000000		000110		000151		400	
	4J12E		4J31E		2030		101		I7L, I12L
003624		000000		000200		000151		401	
	4J11G		3J08C		2080		101		I11L
003624		000000		000220		000151		402	
	4J12C		4J31C		2030		101		I7L
	4J12E		4J31E		2030		101		I13L
003624		000000		000330		000151		403	
	4J12G		4J31G		2060		101		015L, I11H, I12H
003624		000000		000400		000151		404	
	4J11G		3J08C		2080		101		I14L
003624		000000		000440		000151		405	
	4J12C		4J31C		2030		101		I6L
	4J12E		4J31E		2030		101		I6L
003624		000000		000550		000151		406	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J12G		4J31G		2060	101		014L,18H,19H, I10H
003624	4J12A	000000	4J13B	000660	000151	101,21	407	014L,18H,19H, I10H
003624	4J12E	000000	4J31E	016002	000151	101	408	I15L
003624	4J12E	000000	4J31E	025002	000151	101	409	I8L
003624	4J12C	000000	4J31C	034004	000151	101	410	I5L
003624	4J12C	000000	4J31C	043002	000151	101	411	I6L
003624	4J12E	000000	4J31E	052004	000151	101	412	I5L
003624	4J12E	000000	4J31E	061004	000151	101	413	I14L
003624	3J09F	000000	3J31F	077776	000151	30	414	I5L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H 011L,010H,I12H, I13H,I14H,I15H, I5L*I6L*I7L*I8L* I9L 010H,011H,I5L* I6L*I7L*I8L*I9L, I12L*I13L*I14L I5L,I8L 09H,I10L*I11L* I12L*I13L*I14L* I15L
003624	4J11G	000002	3J08C	000000	000151	101	415	09L,I10H,I11H, I12H,I13H,I14H, I15H I14L
	4J12C		4J31C		2030	101		

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
003624		000004		000400		000151		416	
	4J11A		4J13A		2920		101		I6L,I9L
	4J12A		4J13B		2060		101,21		I5L
003624		000012		000020		000151		417	
	4J11A		4J13A		2920		101		I5L,I10L,I13L
003624		000016		000420		000151		418	
	4J10D		4J11D		2070		84,101,82		013L,I7H
003624		000020		000040		000151		419	
	4J11A		4J13A		2920		101		I8L,I12L
	4J12A		4J13B		2060		101,21		I7L
003624		000020		001000		000151		420	
	4J11F		4J04F		2920		101		I5H,I6H,I7H
003624		000032		000060		000151		421	
	4J12D		4J11D		2070		39,101		012L,I6H
003624		000040		000200		000151		422	
	4J11A		4J13A		2920		101		I7L,I11L
	4J12A		4J13B		2060		101,21		I6L
003624		000040		010004		000151		423	
	4J11B		4J27A		2920		101		I11H,I12H,I13H, I14H
003624		000052		000220		000151		424	
	4J11D		4J10D		2070		83,101		013L,I7H
003624		000074		000000		000151		425	
	4J12C		4J31C		2030		101		010L,I13L,I5H, I6H,I7H,I8H,I9H
003624		000076		000660		000151		426	
	4J11A		4J13A		2920		101		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	4J12A		4J13B		2060		101,21		013H,I5L*I6L* I7L
003624		000100		000100		000151		427	
	4J11B		4J27A		2920		101		I6L,I9L
	4J12G		4J31G		2060		101		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAF	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
003624	4J11B	000200	4J27A	000010	000151	101	428	15L,110L,113L
003624	4J11F	000200	4J04F	040004	000151	101	429	18H,19H,110H
003624	4J12D	000300	4J11D	000110	000151	39,101	430	013L,17H
003624	4J11A	000400	4J13A	020100	000151	101	431	18H,19H,110H
003624	4J11B 4J12G	000402	4J27A 4J31G	000400	000151	101 101	432	18L,112L 17L
003624	4J12B	000410	4J20B	004040	000151	101	433	15L,18L
003624	4J13C	000414	4J27B	010104	000151	29,101	434	15L,18L
003624	4J13E	000442	4J25E	002010	000151	101	435	111L,114L
003624	4J12B	000544	4J31G	000000	000151	101	436	112L
003624	4J11B	000544	3J08C	016042	000151	101	437	05L,16H,17H,18H
003624	4J13D	000564	4J12D	017042	000151	20,101	438	110L,015H
003624	4J12D	000602	4J11D	000410	000151	39,101	439	015L,110H
003624	4J13D	000744	4J12D	056046	000151	20,101	440	19L,014H
003624	4J11B 4J12G	001000	4J27A 4J31G	000040	000151	101 101	441	17L,111L 16L
003624	4J11F	001010	4J04F	020400	000151	101	442	111H,112H,113H, 114H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
003624	4J13E	001040	4J25E	040210	000151	101	443	I5L, I&L
003624	4J12D	001200	4J11D	000050	000151	39,101	444	014L, I9H
003624	4J12G	001230	4J31G	000000	000151	101	445	I11L
003624	4J11F	001230	4J04F	061404	000151	101	446	015L
003624	4J13D	001554	4J12D	036442	000151	20,101	447	I7L, 013H
003624	4J12E	001700	4J31E	000000	000151	101	448	010L, I5H, I6H, I7H, I&H, I9H
	4J12C		4J31C	2030		101		I12L
003624	4J11B	001702	4J27A	000550	000151	101	449	015H, I11L*I12L* I13L, I5L*I6L* I7L, I&L*I9L* I10L
	4J12G		4J31G	2060		101		013H, I5L*I6L* I7L
003624	4J12G	001774	4J31G	000000	000151	101	450	015H, I11L*I12L
003624	4J11F	002000	4J04F	000200	000151	101	451	I6L, I9L
	4J11G		3J08C	2080		101		I6L
003624	4J12F	002020	4J13F	001100	000151	101	452	I6L, I7L
003624	4J13F	002122	4J12F	005042	000151	101	453	I5H, I6H
003624	4J12F	002240	4J13F	044212	000151	101	454	I13H, I14H, I15H
003624	4J12B	002420	4J20B	021110	000151	101	455	I11H, I12H
003624		002422		024422	000151		456	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J13F		4J12F		2050		101		I13H,I14H,I15H
003624	4J11F	004000	4J04F	000100	2920	000151	101	457	I5L,I10L,I13L
003624	4J11A	004000	4J13A	004000	2920	000151	101	458	I11H,I12H,I13H, I14H
003624	4J11B	004000	4J27A	040200	2920	000151	101	459	I5H,I6H,I7H
003624	4J12B	004022	4J20B	020120	2050	000151	101	460	I6L,I7L
003624	4J12F	004022	4J13F	020420	2050	000151	101	461	I12L,I13L
003624	4J12B	004042	4J20B	004020	2050	000151	101	462	I12L,I13L
003624	4J13F	004100	4J12F	040210	2050	000151	101	463	I11L,I14L
003624	4J13E	004200	4J25E	010044	2050	000151	101	464	I6L,I7L
003624	4J12F	004200	4J13F	040204	2050	000151	101	465	I5L,I8L
003624	4J13F	004200	4J12F	040410	2050	000151	101	466	I6L,I7L
003624	4J12B	004432	4J20B	024160	2050	000151	101	467	09H,I5L*I6L,I7L* I8L
003624	4J13E	005020	4J25E	021120	2050	000151	101	468	I11H,I12H
003624	4J13C	005040	4J27B	042210	2050	000151	29,101	469	I7H,I8H
003624	4J13E	005240	4J25E	050254	2050	000151	101	470	09H,I5L*I6L,I7L* I8L
003624		006000		000300		000151		471	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
				TYPE	PLATE		
	4J13D		4J12D	2070	20,101		013L,17H
003624	4J12F	006220	4J13F	2050	101	472	09H,15L*16L,17L* 16L
003624	4J11F	010000	4J04F	2920	101	473	18L,112L
	4J11G		3J08C	2080	101		18L
003624	4J11A	010200	4J13A	2920	101	474	15H,16H,17H
003624	4J13C	010202	4J27E	2050	29,101	475	16L,17L
003624	4J12B	010210	4J20B	2050	101	476	111L,114L
003624	4J13E	010424	4J25E	2050	101	477	17H,18H
003624	4J12F	010444	4J13F	2050	101	478	17H,18H
003624	4J12F	010504	4J13F	2050	101	479	111H,112H
003624	4J13C	010616	4J27E	2050	29,101	480	09H,15L*16L,17L* 18L
003624	4J13F	011010	4J12F	2050	101	481	15L,18L
003624	4J13F	011044	4J12F	2050	101	482	111H,112H
003624	4J12B	011104	4J20B	2050	101	483	15H,16H
003624	4J12G	012024	4J31G	2060	101	484	19L
003624	4J12G	012024	4J31G	2060	101	485	013L,15H,16H, 17H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
003624	4J12D	012064	4J11D	035026	000151	39,101	486	I7L,I13H
003624	4J13E	012104	4J25E	044242	000151	101	487	I13H,I14H,I15H
003624	4J12F	012744	4J13F	056256	000151	101	488	010L
003624	4J13F	013466	4J12F	035466	000151	101	489	010L
003624	4J13D	014000	4J12D	000110	000151	20,101	490	015L,I10H
003624	4J12B	014252	4J20B	014224	000151	101	491	010H,I11L*I12L, I13L*I14L*I15L
003624	4J12A	014600	4J13B	000000	000151	101,21	492	I8L
003624	4J11A	014600	4J13A	034104	000151	101	493	015L
003624	4J13F	015210	4J12F	060514	000151	101	494	09H,I5L*I6L,I7L* I8L
003624	4J12D	016024	4J11D	065222	000151	39,101	495	I10L,I15H
003624	4J13E	017124	4J25E	065362	000151	101	496	010L
003624	4J11F 4J11G	020002	4J04F 3J08C	000020	000151	101 101	497	I7L,I11L I7L
003624	4J11B	020010	4J27A	002000	000151	101	498	I8H,I9H,I10H
003624	4J13F	020210	4J12F	002100	000151	101	499	I12L,I13L
003624	4J13E	020210	4J25E	010404	000151	101	500	I12L,I13L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
003624	4J13F	020444	4J12F	012220	000151	101	501	I7H, I6H
003624	4J13E	020652	4J25E	012414	000151	101	502	010H, I11L*I12L, I13L*I14L*I15L
003624	4J12F	021010	4J13F	001100	000151	101	503	I11L, I14L
003624	4J12B	021104	4J20B	042442	000151	101	504	I13H, I14H, I15H
003624	4J12F	021112	4J13F	024422	000151	101	505	I5H, I6H
003624	4J13E	022112	4J25E	005102	000151	101	506	I5H, I6H
003624	4J13C	022120	4J27B	005042	000151	29,101	507	I5H, I6H
003624	4J12B	022240	4J20B	011204	000151	101	508	I7H, I8H
003624	4J13F	022566	4J12F	017262	000151	101	509	09L
003624	4J12A	023100	4J13B	000000	000151	101,21	510	I9L
003624	4J12A	023100	4J13B	043012	000151	101,21	511	013L, I5H, I6H, I7H
003624	4J11D	023500	4J10D	063112	000151	23,101	512	I7L, 013H
003624	4J12B	023524	4J20B	063552	000151	101	513	010L
003624	4J13D	024002	4J12D	000120	000151	20,101	514	014L, I9H
003624	4J12G	024050	4J31G	000000	000151	101	515	I6L
003624		024050		052204	000151		516	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	4J11B		4J27A		2920		101		015L
003624	4J13F	024310	4J12F	042310	2050	000151	101	517	010H, I11L*I12L, I13L*I14L*I15L
003624	4J12F	025032	4J13F	021520	2050	000151	101	518	010H, I11L*I12L, I13L*I14L*I15L
003624	4J10D	027100	4J11D	047012	2070	000151	84, 101, 82	519	I7L, C13H
003624	4J13C	027160	4J27B	047252	2050	000151	29, 101	520	09L
003624	4J12F	03155E	4J13F	036472	2050	000151	101	521	09L
003624	4J12D	032034	4J11D	027022	2070	000151	39, 101	522	I9L, 014H
003624	4J13E	03253E	4J25E	027522	2050	000151	101	523	09L
003624	4J12D	033300	4J11D	053016	2070	000151	39, 101	524	I6L, 012H
003624	4J12B	033344	4J20B	053616	2050	000151	101	525	09L
003624	4J12E	036000	4J31E	000000	2030	000151	101	526	011L, I12H, I13H, I14H, I15H I15L
003624	4J11F	036002	4J04F	000330	2920	000151	101	527	015H, I11L*I12L* I13L, I15L*I16L* I17L, I18L*I19L* I10L 05H, I6L*I7L*I8L
003624	4J12G	036074	4J31G	000000	2060	000151	101	528	014H, I8L*I9L* I10L
003624		037700		000000		000151		529	

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TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	4J12A		4J13B			2060	101,21	014H,18L*19L* I10L
003624		037776		000000	000151		530	
	3J09F		3J31F			2020	30	I14L, I15L, 18H, 19H, I10H, 011H* 012L, I13L* I14L* I15L, 011H
	3J27B		3J20B			2070	14,15	I7L, 013L, 17H, 013H
	3J10G		3J02G			2050	30	I7H, 18H
	4J12C		4J31C			2030	101	011H, 112L* I13L* I14L
	3J06F		3J13F			2060	17	18L
004725		077777		403776	000151		530A	
	3J10E		3J04E			2060	30	I10H, 18H, 014L
	3J09E		3J11D			2020	30	I14L
004732		353542		777777	000151		530B	
	3J10F		3J11F			2050	30	I6L, 18L, 09H
	3J09E		3J11D			2020	30	I5H, 16H, 17H
004736		353542		131313	000151		530C	
	4J13B		4J12A			2060	30	I10H, 19H, 18H 014L, I12L
	3J10F		3J11F			2050	30	I15L
004743		000010		700004	000151		530D	
	4J13B		4J04C			2060	30	I7L, 014H, 013H I12L, I11H, 015L
	3J10F		3J11F			2050	30	09L
004747		000010		453546	000151		530E	
	4J13B		4J04C			2060	30	I10L, I7L, 013H 014H, I12H, I11H, 015L
004754		313136		000013	000151		530F	
	3J10E		3J04E			2060	30	014H
	3J02C		3J04C			2060	30	I5L, 013L
	3J09E		3J11D			2020	30	I5L, I10L
005026		000003		501603	607707		531	
	2J11B		2J10B			2030	66	I14L
005026		000007		501604	607707		532	
	1J11B		1J10B			2030	66	I14L

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
005026	2J11B	000017	2J10B	501605	607707	66	533	I13L
005026	1J11B	000037	1J10B	501606	607707	66	534	I13L
005026	2J09B 2J11B 2J07B	000077	2J08B 2J10B 2J06B	501607	607707	66 66 66	535	I5H,C6H*08L I12L,011H,I12L* I13L*I14L I6L
005026	1J09E 1J11B 1J07E	000177	1J08B 1J10B 1J06B	501610	607707	66 66 66	536	I5H,C6H*08L I12L,011H,I12L* I13L*I14L I6L

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TABLE E-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
005246	3J02G	000000	3J10G	000000	2050	000000	18	537	I5H, I6H
005246	3J17D	000000	3J08D	000000	2060	003321	47	538	I12L
005246	0J27D	000000	0J09D	000000	2013	010135	59A,60	539	I7L, 010L*011L*012L
FOR FURTHER ISOLATION REFER TO TABLE E-54.									
	1J27D		1J09D		2013		59,60		I7L, 010L*011L*012L
	9J27D		9J09D		2013		59,60		I7L, 010L*011L*012L
	0J27A		0J17A		2013		59,60		010L*011L*012L
	0J27B		0J14B		2013		59		010L*011L*012L
	0J27C		0J23C		2013		59A,60		010L*011L*012L
	1J27A		1J17A		2013		59,60		010L*011L*012L
	1J27B		1J14B		2013		59		010L*011L*012L
	1J27C		1J23C		2013		59,60		010L*011L*012L
	9J27A		9J17A		2013		59,60		010L*011L*012L
	9J27B		9J14B		2013		59		010L*011L*012L
	9J27C		9J23C		2013		59,60		010L*011L*012L
	2J17B		2J16B		2930		63,64		I12L
	0J33B		0J28B		2020		64		I13L
	0J33C		0J28C		2020		63		I13L
	0J33D		0J28D		2020		62		I13L
	0J33E		0J28A		2020		61		I13L
	1J33B		1J28B		2020		64		I13L
	1J33C		1J28C		2020		63		I13L
	1J33D		1J28D		2020		62		I13L
	1J33E		1J28A		2020		61		I13L
	2J33B		2J28B		2020		64		I13L
	2J33C		2J28C		2020		63		I13L
	2J33D		2J28D		2020		62		I13L
	9J33B		9J28B		2020		64		I13L
	9J33C		9J28C		2020		63		I13L
	9J33D		9J28D		2020		62		I13L
	9J33E		9J28A		2020		61		I13L
005246	0J29A	000000	0J24A	000000	2321	010266	61,62	540	010L, 011L, I5H, I6H
	0J30A		0J24B		2321		63,64		010L, 011L, I5H, I6H
	7J18B		7J19A		2030		53		011H
	9J29A		9J24A		2321		61,62		010L, 011L, I5H,

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	9J30A		9J24B		2321		63,64		I6H 010L,011L,15H,
	1J29A		1J24A		2090		61,62		I6H 010L,011L,15H,
	1J30A		1J24B		2090		63,64		I6H 010L,011L,15H,
	2J30A		2J24B		2090		63,64		I6H 010L,011L,15H,
	2J29A		2J24A		2090		61,62		I6H 011L,I6H
005246	2J28D	000000	2J13D	000001	2020	010135	61	541	I13L
005246	2J23D	000000	2J24D	000001	2090	010266	61	542	011L,I6H
005246	1J23D	000000	1J24D	000002	2090	010266	61	543	011L,I6H
	1J05C		1J04C		2130		68		19L+110L+111L
	1J02D		1J12D		2070		65,70		I7H
005246	2J24C	000000	2J24B	000004	2090	010266	62	544	011L,I6H
005246	1J24C	000000	1J24B	000010	2090	010266	62	545	011L,I6H
	1J04C		1J03C		2130		68		19L+110L+111L
005246	2J24B	000000	2J30A	000020	2090	010266	63	546	011L,I6H
005246	1J24B	000000	1J30A	000040	2090	010266	63	547	011L,I6H
005246	3J15D	000000	3J14D	000077	2930	000000	08,09	548	I12L
	3J09A		3J07A		2920		23		I10L
005246	7J15C	000000	7J09C	00007x	2013	000151	49	548A	010H,011H,012H
	7J16D		7J17D		2060		49		014H
005246	2J23A	000000	2J24A	000100	2090	010266	64	549	011L,I6H
005246	1J23A	000000	1J24A	000200	2090	010266	64	550	011L,I6H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CO	PLATE	SYMPTOM	FAULT
005246	0J23D	000000	0J24D	000400	010266	61	551	011L,16H
005246	9J23D	000000	9J24D	001000	010266	61	552	011L,16H
005246	0J24C	000000	0J24B	002000	010266	62	553	011L,16H
005246	9J24C	000000	9J24B	004000	010266	62	554	011L,16H
005246	0J24B	000000	0J30A	010000	010266	63	555	011L,16H
005246	9J24B	000000	9J30A	020000	010266	63	556	011L,16H
005246	0J23A	000000	0J24A	040000	010266	64	557	011L,16H
005246	9J23A	000000	9J24A	100000	010266	64	558	011L,16H
005246	3J21C	000000	3J20C	177777	010135	44	559	I7L
005246	9J28A	000000	9J02B	5002X7	010473	64	560	I7L
005246	9J33B	000000	9J28B	5003X7	010473	64	561	I5L
005246	9J28A	000000	9J02B	5016X7	010603	64	562	I14L
005246	1J30F	000000	1J29F	502301	011352	67	563	I11H,I12H
005246	1J30F	000000	1J29F	502303	011352	67	564	I9H,I10H
005246	1J30F	000000	1J29F	502305	011352	67	565	I7H,I8H
005246	1J29E	000000	1J25D	502307	011352	57,58,67	566	I7L,013H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	1J30F 7J13B		1J29F 7J23B		2040 2050		67 50		015L,15H,16H 17H,18H
005246	9J30F	000000	9J29F	502311	2040	011352	67	567	I11H,I12H
005246	9J30F	000000	9J29F	502313	2040	011352	67	568	19H,I10H
005246	9J30F	000000	9J29F	502315	2040	011352	67	569	17H,18H
005246	7J24D	000001	7J21D	000200	2013	003061	37	570	013H*014H*015H
005246	2J05A	000001	1J05A	002000	2080	012666	65A	571	I13L
005246	2J05A	000001	1J05A	004000	2080	012666	65A	572	I11L
005246	2J05A	000001	1J05A	006000	2080	012666	65A	573	I10L
005246	2J28D	000001	2J13D	5002X7	2020	010475	61	574	17L
005246	2J33E	000001	2J33D	5003X7	2020	010475	61	575	15L
005246	2J28D	000001	2J13D	5016X7	2020	010605	61	576	I14L
005246	2J33E	000001	2J33D	5017X7	2020	010605	61	577	I13L
005246	8J15G	000001	8J14G	777602	2050	024564	24,120	578	I13H,I14H,I15H
005246	1J17D	000002	1J16D	000000	2930	010135	61,62	579	19L
005246	1J23D 1J13C	000002	1J24D 1J12C	000000	2090 2130	010266	61 68	580	010L,15H 19L*I10L*I11L
005246	8J34C	000002	8J33C	000000	3780	024655	129	581	18L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CO	PLATE	SYMPTOM	FAULT
005246	8J35C	000002	8J34C	000002	024612	129	582	I6L
005246	1J05A	000002	0J05A	002000	012666	65	583	I14L
005246	1J05A	000002	0J05A	003000	012666	65	584	I13L
005246	1J05A	000002	0J05A	004000	012666	65	585	I12L
005246	1J05A	000002	0J05A	006000	012666	65	586	I11L
005246	1J05A	000002	0J05A	007000	012666	65	587	I10L
005246	1J28D	000002	1J13D	5002X7	010475	61	588	I7L
005246	1J33F	000002	1J33D	5003X7	010475	61	589	I5L
005246	1J28D	000002	1J13D	5016X7	010605	61	590	I14L
005246	8J31D 8J32B	000003	8J32D 8J31B	000000	024655	129 130	591	I8L I8L
005246	2J17D	000004	2J16D	000000	010135	61,62	592	I12L
005246	2J24C	000004	2J24B	000000	010266	62	593	O10L, 15H
005246	8J33B 8J33D	000004	8J32B 8J32D	000000	024655	130 129	594	I8L I8L
005246	2J04A	000004	2J12A	006000	012666	58,65A	595	I12L
005246	2J28C	000004	2J33C	5002X7	010475	62	596	I7L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
005246	2J33D	000004	2J28D	5003X7	2020	010475	62	597	I5L
005246	2J28C	000004	2J33C	5016X7	2020	010605	62	598	I14L
005246	1J17D	000010	1J16D	000000	2930	010135	61,62	599	I12L
005246	1J24C 1J11C	000010	1J24B 1J10C	000000	2090 2130	010266	62 68	600	010L,I5H I9L*I10L*I11L
005246	8J31B	000010	8J32B	000000	3780	024655	130	601	I8L
005246	7J04D 7J22D	000010	7J06D 7J17D	000010	2013 2060	010266	106 49	601A	013H,014H,015H 015H
005246	1J04A	000010	1J12A	004000	2030	012666	58,65	602	I14L
005246	1J04A	000010	1J12A	006000	2030	012666	58,65	603	I13L
005246	1J04A	000010	1J12A	007000	2030	012666	58,65	604	I12L
005246	1J28C	000010	1J33C	5002X7	2020	010475	62	605	I7L
005246	1J33D	000010	1J28D	5003X7	2020	010475	62	606	I5L
005246	1J28C	000010	1J33C	5016X7	2020	010605	62	607	I14L
005246	8J31C 8J33A 8J34A 8J34D	000012	8J32C 8J35A 8J35A 8J33D	000000	3780 3780 3780 3780	024655	130 130 130 129	608	I8L I8L I8L I8L
005246	1J10A 1J14A	000012	1J09A 1J11A	006000	2060 2070	012666	65 66,69	609	I6L,013H,I5L* I6L*I7L 011L,I5H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CO	PLATE	SYMPTOM	FAULT
005246	8J32D	000G14	8J31D	000000	024655	129	610	I8L
005246	8J32C	000014	8J31C	000014	024612	129	611	I6L
005246	8J32C	000015	8J31C	000000	024655	129	612	I8L
005246	8J34B	000016	8J33B	000000	024655	130	613	I8L
005246	2J17B	000020	2J16B	000000	010135	63,64	614	I9L
005246	2J24B	000020	2J30A	000000	010266	63	615	010L, I5H
005246	2J05A	000020	1J05A	006000	012666	65A	616	I6L
005246	2J28B	000020	2J05B	5002X7	010475	63	617	I7L
005246	2J33C	000020	2J28C	5003X7	010475	63	618	I5L
005246	2J28B	000020	2J05B	5016X7	010605	63	619	I14L
005246	2J10A	000025	2J09A	006000	012666	65,65A	620	I6L, 014H, I8L*
	2J02D		2J12D			65A,70		I9L*I10L 015L, I10H
005246	8J32B	000030	8J31B	000030	024612	130	621	I6L
005246	8J35B	000033	8J34B	000033	024612	130	622	I6L
005246	1J17B	000040	1J16B	000000	010135	63,64	623	I9L
005246	1J24B	000040	1J30A	000000	010266	63	624	010L, I5H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
005246	1J05A	000040	0J05A	006000	2080	012666	65	625	18L
005246	1J05A	000040	0J05A	007000	2080	012666	65	626	16L
005246	1J28B	000040	1J05B	5002X7	2020	010475	63	627	17L
005246	1J33C	000040	1J28C	5003X7	2020	010475	63	628	15L
005246	1J28B	000040	1J05B	5016X7	2020	010605	63	629	114L
005246	8J33B	000041	8J32B	000041	3780	024612	130	630	16L
005246	1J10A	000052	1J09A	007000	2060	012666	65	631	18L,014H,18L* 19L*110L 015L,110H
	1J02D		1J12D		2070		65,70		
005246	2J23A	000100	2J24A	000000	2090	010266	64	632	010L,15H
005246	7J18C	000100	7J02C	274377	2030	022446	49,107	633	15L
005246	2J28A	000100	2J02B	5002X7	2020	010475	64	634	17L
005246	2J33B	000100	2J28B	5003X7	2020	010475	64	635	15L
005246	2J28A	000100	2J02B	5016X7	2020	010605	64	636	114L
005246	8J31B	000101	8J32B	000101	3780	024612	130	637	16L
005246	8J32D	000140	8J31D	000140	3780	024612	129	638	16L
005246	8J35D	000157	8J34D	000157	3780	024612	129	639	16L
005246		000177		000177		024612		640	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	8J33D		8J32D		3780		129		I6L
005246	1J17B	000200	1J16B	000000	2930	010135	63,64	641	I12L
005246	1J23A	000200	1J24A	000000	2090	010266	64	642	010L,15H
005246	8J23D	000200	8J24D	000200	3670	024647	124	643	I11L
005246	1J28A	000200	1J02B	5002X7	2020	010475	64	644	I7L
005246	1J33B	000200	1J28B	5003X7	2020	010475	64	645	I5L
005246	1J28A	000200	1J02B	5016X7	2020	010605	64	646	I14L
005246	8J33C	000220	8J32C	000220	3780	024612	129	647	I6L
005246	8J34B	000224	8J33B	000224	3780	024612	130	648	I6L
005246	8J31C	000250	8J32C	000250	3780	024612	130	649	I6L
005246	8J33A	000252	8J34A	000252	3780	024612	130	650	I6L
005246	8J35A	000254	8J34A	000255	3780	024612	130	651	I6L
005246	8J32A	000277	8J31A	000277	2013	024647	122	652	010L+011L+012L
005246	8J34D	000333	8J33D	000337	3780	024612	129	653	I6L
005246	8J35C	000337	8J34C	000337	3780	024612	129	654	I7L
005246	8J34A	000360	8J33A	000360	3780	024612	130	655	I6L
005246		000362		000362		024612		656	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	8J34C		8J33C		3780		129		I6L
005246	8J31D	000373	8J32D	000373	3780	024612	129	657	I7L
005246	8J32C	000374	8J31C	000374	3780	024612	129	658	I7L
005246	3J21C	000377	3J20C	000000	2060	010135	44	658A	I6L
005246	3J17A 3J06A	000377	3J14A 3J11A	000000	2070 2060	024612	47,48 19,38	659	015L,I10H I10L
005246	8J29D	000377	8J26D	000063	3680	024612	124	660	06H,07H,08H 09H
005246	3J09B 3J20B 3J21C	000377	3J04C 3J27B 3J20C	000377	2060 2070 2060	010135	53,30 46,45,44 44	661	014L,I8H,I9H I10H I10L,015H 013H,I5L*I6L*I7L
005246	8J31A 8J32A 8J23C 8J31B 8J31C 8J32B 8J32D 8J33B 8J33C 8J33D 8J34A	000377	8J16A 8J24B 8J22C ***** ***** ***** ***** ***** ***** ***** *****	000377	2013 2013 3621 3780 3780 3780 3780 3780 3780 3780 3780	024612	122 122 123 130 130 130 129 130 129 129 130	662	I7L,I5H,I6H, 010L*011L*012L, 013H*014H*015H I7L,I5H,I6H, 013H*014H*015H I9L,I5H,I6H,I7H I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L I7L,I9H,I10L* I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	8J34B		*****		3780		130		I7L,I9H,I10L* I11L
	8J34C		*****		3780		129		I7L,I9H,I10L* I11L
	8J34D		*****		3780		129		I7L,I9H,I10L* I11L
	8J35A		*****		3780		130		I7L,I9H,I10L* I11L
	8J35B		*****		3780		130		I7L,I9H,I10L* I11L
	8J35D		*****		3780		129		I7L,I9H,I10L* I11L
	8J31D		*****		3780		129		I9H,I10L*I11L
	8J32C		*****		3780		129		I9H,I10L*I11L
	8J33A		*****		3780		130		I7L,I9H
	8J35C		*****		3780		129		I9H,I10L*I11L
005246		000400		000000		010135		663	
	0J17D		0J16D		2930		61,62		I9L
005246		000400		000000		010266		664	
	0J23D		0J24D		2321		61		010L,I5H
005246		000400		000000		022446		665	
	7J15E		7J04E		2060		51,107		I8L
005246		000400		012000		012666		666	
	0J05A		1J05A		2080		65A		I13L
005246		000400		014000		012666		667	
	0J05A		1J05A		2080		65A		I11L
005246		000400		016000		012666		668	
	0J05A		1J05A		2080		65A		I10L
005246		000400		274377		022446		669	
	7J18C		7J02C		2030		49,107		I7L
005246		000400		5002X7		010475		670	
	0J28D		0J13D		2020		61		I7L
005246		000400		5003X7		010475		671	
	0J33E		0J33D		2020		61		I5L
005246		000400		5016X7		010605		672	
	0J28D		0J13D		2020		61		I14L
005246		000540		274377		022446		673	
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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CC	PLATE	SYMPTOM	FAULT
	7J13C		7J02C		2030		49,107		13L
005246	9J17D	001000	9J16D	000000	2930	010135	61,62	674	19L
005246	9J23D	001000	9J24D	000000	2321	010266	61	675	010L,15H
005246	9J05A	001000	8J04G	012000	2080	012666	65	676	114L
005246	9J05A	001000	8J04G	013000	2080	012666	65	677	113L
005246	9J05A	001000	8J04G	014000	2080	012666	65	678	112L
005246	9J05A	001000	8J04G	016000	2080	012666	65	679	111L
005246	9J28D	001000	9J13D	5002X7	2020	010475	61	680	17L
005246	9J33E	001000	9J33D	5003X7	2020	010475	61	681	15L
005246	9J28D	001000	9J13D	5016X7	2020	010605	61	682	114L
005246	8J29D	001777	8J26D	037777	3660	125400	124	683	110L+111L+114L
005246	0J17D	002000	0J16D	000000	2930	010135	61,62	684	112L
005246	0J24C	002000	0J24B	000000	2321	010266	62	685	010L,15H
005246	0J04A	002000	0J12A	016000	2030	012666	58,65A	686	112L
005246	0J28C	002000	0J33C	5002X7	2020	010475	62	687	17L
005246	0J33D	002000	0J28D	5003X7	2020	010475	62	688	15L
005246		002000		5016X7		010605		689	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	0J28C		0J33C		2020		62		114L
005246	8J15B	002425	8J14B	007477	2000	024612	114	690	115L
005246	4J13C	003001	4J27B	000100	2050	014771	29,101	691	112L
005246	8J28A	003001	8J29A	003401	3640	024612	122	692	15H
005246	8J28A	003001	8J29A	007401	3640	024612	122	693	17L
005246	8J24C	003017	8J23C	067777	3621	024612	123	694	19L
005246	9J17D	004000	9J16D	000000	2930	010135	61,62	695	112L
005246	9J24C	004000	9J24B	000000	2321	010266	62	696	010L, 15H
005246	9J04A	004000	9J12A	014000	2030	012666	58,65	697	114L
005246	9J04A	004000	9J12A	016000	2030	012666	58,65	698	113L
005246	9J28C	004000	9J33C	5002X7	2020	010475	62	699	17L
005246	9J33D	004000	9J28D	5003X7	2020	010475	62	700	15L
005246	9J28C	004000	9J33C	5016X7	2020	010605	62	701	114L
005246	9J10A	005000	9J09A	016000	2060	012666	65	702	16L, 013H, 15L* 16L*17L
	9J14A		9J11A		2070		65,69,66		011L, 15H
005246	8J24C	007417	8J23C	0074X7	3621	024612	123	703	15H, 16H, 17H 012H*013H
005246		010000		000000		010135		704	
8-646		CHANGE 7							

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	DJ17B		OJ16B		2930		63,64		19L
005246		010000		000000		010266		705	
	OJ24B		OJ30A		2321		63		010L,15H
005246		010000		016000		012666		706	
	OJ05A		1J05A		2080		65A		16L
005246		010000		5002x7		010475		707	
	OJ28B		OJ05B		2020		63		17L
005246		010000		5003x7		010475		708	
	OJ33C		OJ28C		2020		63		15L
005246		010000		5016x7		010605		709	
	OJ28B		OJ05B		2020		63		114L
005246		010221		017101		010311		710	
	2J23D		2J24D		2090		61		010L,15H
	1J22A		1J12A		2030		64		19L
005246		010233		017102		010311		711	
	1J02D		1J12D		2070		65,70		013L
	2J21A		2J19A		2060		38,64		17L
005246		010245		017102		010311		712	
	2J29A		2J24A		2090		61,62		010L,15H
005246		012057		000001		012130		713	
	7J17G		7J13G		2050		49,51		112L
005246		012057		307712		012120		714	
	7J23D		7J26B		2930		34		17L,19H,013H*
									015L,17L*114L,
									013H
	7J30F		7J23F		2060		34		013L,15H,16H,
									17H
	8J02A		8J11B		2060		21,25,54		015L,111H,112H
	3J09G		3J14G		2070		30,34,17		17L,013H
	7J29F		7J31E		2070		34,54,134		110L,015H
	7J27B		7J23B		2050		07,34		09L,17H,18H
	8J17D		8J16D		2013		25		15L
	8J31A		8J16A		2013		122		18L
	3J27A		3J18A		2060		13,25,33		015H,111L*112L
	7J17G		7J13G		2050		49,51		15H,16H
	3J07C		3J05C		2920		24		15H,16H,17H
	7J15E		7J04E		2060		51,107		112L
	7J17F		7J18F		2030		49		113L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
005246	0J10A	012400	0J09A	016000	2060	012666	65,65A	715	I8L,014H,I8L*
	0J02D		0J12D		2070		65A,70		I9L*I10L 015L,I10H
005246	7J30F	017101	7J23F	000037	2060	011232	34	715A	013H
005246	9J17B	020000	9J16B	000000	2930	010135	63,64	716	I9L
005246	9J24B	020000	9J30A	000000	2321	010266	63	717	010L,15H
005246	9J05A	020000	8J04G	016000	2080	012666	65	718	I8L
005246	7J02B	020000	7J15B	5002X7	2060	010475	22,23,49	719	I5L
	9J28B		9J05B		2020		63		I7L
005246	9J33C	020000	9J28C	5003X7	2020	010475	63	720	I5L
005246	9J28B	020000	9J05B	5016X7	2020	010605	63	721	I14L
005246	8J29D	020377	8J26D	037777	3680	125400	124	722	06L
005246	8J25C	021463	8J24C	137777	3621	024612	123	723	I9L
005246	8J25C	031463	8J24C	031463	3621	777777	123	724	I5H,I6H,I7H 012H*013H
005246	0J17B	040000	0J16B	000000	2930	010135	63,64	725	I12L
005246	0J23A	040000	0J24A	000000	2321	010266	64	726	010L,15H
X 005246	7J28G	040000	7J28F	000000	2900	022446	55	726A	015H
005246		040000		015000		012666		727	
8-648	CHANGE 7								

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STGP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	PLATE	SYMPTOM	FAULT
	3J23G 3J07A		3J20G 3J02A		2070 2920		14,41,44,46 23		16L,012H 18H,19H,110H
005246	0J28A	040000	0J02B	5002X7	2020	010475	64	728	17L
005246	0J33B	040000	0J28B	5003X7	2020	010475	64	729	15L
005246	0J28A	040000	0J02B	5016X7	2020	010605	64	730	114L
005246	9J17B	100000	9J16B	000000	2930	010135	63,64	731	112L
005246	9J23A	100000	9J24A	000000	2321	010266	64	732	010L,15H
005246	6J32E	110000	6J31B	000000	0400	025556	140	733	117H
005246	8J32A	177400	8J31A	177400	2013	024612	122	734	18L
005246	3J21C	177777	3J20C	000000	2000	010135	44	735	16L
005246	3J09C 3J20B 3J21C	177777	3J04C 3J27B 3J20C	177777	2000 2070 2000	010135	53,30 46,45,44 44	736	014L,18H,19H, 110H 110L,015H 013H,15L*16L* 17L
005246	8J27C	200000	8J26C	000000	3621	002524	123	737	15H,16H,17H 014H*015H
005246	7J20A	200000	7J11A	000075	2000	002524	37	738	15L
005246	7J21D	501116	7J20D	501116	2013	307712	37	739	18L
005246	3J08D	504622	3J05D	014140	2000	502700	22	740	013L,15H,16H, 17H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CO	FLATE	SYMPTOM	FAULT
005246	8J29D	671471	8J26D	000376	3680	G03523	124	741	09H

005246	3J02A	777700	3J07A	505640	2920	011220	21	742	I&L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
005267	3J086	000000	3J30F	017040	2030	016014	18,24	743	I8L
005267	3J08A	777700	3J10A	000000	2050	011217	17,23	744	I15L
010050	7J30B	000000	7J29B	400000	2060	017101	32	745	013L, I5H, I6H, I7H
	7J28A		7J27A		2090		32		I5L, 010H
	7J33C		7J18A		2040		31		I8L
010066	7J31B	000000	7J25B	000000	2020	017101	31	746	I5H, I6H, I7H, 011H*012L
	7J29B		7J19B		2060		32		I11L, 015H, I11L* I12L
	7J33b		7J16G		2080		31,32		I13L
010135	2J17B	000000	2J16B	000000	2930	000000	63,64	747	I5H, 08H*06L
010135	2J15D	000000	2J15C	000000	2920	000001	61	748	I12L
010135	1J33E	000000	1J33D	000000	2020	000002	61	749	I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	1J15D		1J15C		2920		61		I12L
010135	2J33D	000000	2J28D	000000	2020	000004	62	750	I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	2J15C		2J15B		2920		62		I12L
010135	1J33D	000000	1J28D	000000	2020	000010	62	751	I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	1J15C		1J15B		2920		62		I12L
010135		000000		000000		000020		752	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J33C		2J28C		2020		63		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	2J15E		2J15A		2920		63		I12L
010135	000000		000000		000040			753	
	1J33C		1J28C		2020		63		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	1J15E		1J15A		2920		63		I12L
010135	000000		000000		000100			754	
	2J33B		2J28B		2020		64		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	2J15A		2J15B		2920		64		I12L
010135	000000		000000		000124			755	
	2J11A		2J14A		2070		56, 57, 60, 66, 69A		I5L, 011H
010135	000000		000000		000125			756	
	2J11A		2J14A		2070		56, 57, 60, 66, 69A		012L, 16H
010135	000000		000000		000200			757	
	1J33E		1J28B		2020		64		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	1J15A		1J15E		2920		64		I12L
010135	000000		000000		000252			758	
	1J11A		1J14A		2070		56, 57, 60, 66, 69		I5L, 012L, 16H, 011H
010135	000000		000000		000400			759	
	0J33E		0J33D		2020		61		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	0J15D		0J15C		2920		61		I12L
010135	000000		000000		001000			760	
	9J33E		9J33D		2020		61		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIRAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	SYMPTOM	FAULT
	9J15D		9J15C		2920	61	011H 112L
010135	0J33D	000000	0J26D	000000	2020	761	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	9J15C		0J15B		2920	62	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
010135	9J33D	000000	9J26D	000000	2020	762	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	9J15C		9J15B		2920	62	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
010135	0J33C	000000	0J26C	000000	2020	763	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	0J15B		0J15A		2920	63	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
010135	9J33C	000000	9J26C	000000	2020	764	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	9J15B		9J15A		2920	63	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
010135	0J33B	000000	0J26B	000000	2020	765	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	0J15A		0J15B		2920	64	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
010135	0J11A	000000	0J14A	000000	2070	766	15L, 012L, 16H, 011H
010135	9J33B	000000	9J26B	000000	2020	767	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L
	9J15A		9J15B		2920	64	114L, 15H, 16H, 17H, 011H*012L, 113L*114L*115L, 011H 112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	SYMPTOM	FAULT
010135	9J11A	000000	9J14A	000000	125000	2070	56,57,60,66,69	768	15L,012L,16H, 011H
010135	3J20C	000000	3J19C	000000	177777	2060	45	769	013L,15H,16H, 17H
	3J19E		3J16E			2060	45		18L
010135	2J28D	000000	2J13D	000001	000000	2020	61	770	115L,15H,16H, 17H
	2J15D		2J15C			2920	61		18L
010135	1J28D	000000	1J13D	000002	000000	2020	61	771	115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	1J15D		1J15C			2920	61		18L
010135	2J28C	000000	2J33C	000004	000000	2020	62	772	115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	2J15C		2J15B			2920	62		18L
010135	1J28C	000000	1J33C	000010	000000	2020	62	773	115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	1J15C		1J15B			2920	62		18L
010135	2J28B	000000	2J05B	000020	000000	2020	63	774	115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	2J15B		2J15A			2920	63		18L
010135	1J28B	000000	1J05B	000040	000000	2020	63	775	115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	1J15B		1J15A		2920	63		18L
010135	000000		000100		000000		776	
	2J28A		2J02B		2020	64		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	2J15A		2J15B		2920	64		18L
010135	000000		000125		000000		777	
	2J20A		2J14A		2070	56,58,60		19L,014H
010135	000000		000200		000000		778	
	1J28A		1J02B		2020	64		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	1J15A		1J15B		2920	64		18L
010135	000000		000252		000000		779	
	1J20A		1J14A		2070	56,58,60		19L,014H
	1J29E		1J25D		2070	57,58,67		015L,11CH
010135	000000		000377		000377		779A	
	3J20B		3J27B		2070	46,45,44		17L,013H
010135	000000		000400		000000		780	
	0J28D		0J13D		2020	61		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	0J15D		0J15C		2920	61		18L
010135	000000		001000		000000		781	
	9J28D		9J13D		2020	61		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	9J15D		9J15C		2920	61		18L
010135	000000		002000		000000		782	
	0J28C		0J33C		2020	62		115L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	0J15C		0J15B		2920	62		18L
010135	000000		004000		000000		783	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J28C		9J33C		2020		62		I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H I8L
	9J15C		9J15B		2920		62		
010135	0J28H	000000	0J05B	010000	2020	000000	63	784	I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H I8L
	0J15B		0J15A		2920		63		
010135	9J28H	000000	9J05B	020000	2020	000000	63	785	I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H I6L
	9J15B		9J15A		2920		63		
010135	0J28A	000000	0J02B	040000	2020	000000	64	786	I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H I8L
	0J15A		0J15B		2920		64		
010135	0J20A 0J29E	000000	0J14A 0J25D	052400	2070 2070	000000	56, 58, 60 57, 58	787	I9L, 014H 015L, I10H
010135	9J28A	000000	9J02B	100000	2020	000000	64	788	I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H I8L
	9J15A		9J15B		2920		64		
010135	9J20A 9J29E	000000	9J14A 9J25D	125000	2070 2070	000000	56, 58, 60 57, 58, 67	789	I9L, 014H 015L, I10H
010135	3J20C	000000	3J19C	177777	2060	000000	45	790	014L, I8H, I9H, I10H I9L
	3J19E		3J16E		2060		45		
010135		000000		177777		177777		791	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J20B		3J27B		2070		46,45,44		I7L,013H
010135		000001		000000		000000		792	
	2J17D		2J16D		2930		61,62		I7H
	2J15D		2J15C		2920		61		I5L
010135		000001		000001		000001		793	
	2J18C		2J21C		2060		59A		I5L,013H,I5L* I6L*17L
	2J15D		2J15C		2920		61		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	2J13B		2J30E		2040		60		I11H,I12H
010135		000002		000000		000000		794	
	1J17D		1J16D		2930		61,62		I7H,013L*015H, 015H
	1J15D		1J15C		2920		61		I5L
010135		000002		000002		000002		795	
	1J18C		1J21C		2060		59		I5L,013H,I5L* I6L*17L
	1J15D		1J15C		2920		61		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	1J13B		1J30E		2040		60		I11H,I12H
010135		000004		000000		000000		796	
	2J17D		2J16D		2930		61,62		I5H,08H*06L,08H
	2J15C		2J15B		2920		62		I5L
010135		000004		000004		000004		797	
	2J18C		2J21C		2060		59A		I8L,014H,I8L* I9L*I10L
	2J15C		2J15B		2920		62		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	2J13B		2J30E		2040		60		I9H,I10H
010135		000010		000000		000000		798	
	1J17D		1J16D		2930		61,62		I5H,08H*06L,08H
	1J15C		1J15B		2920		62		I5L
010135		000010		000010		000010		799	
	1J18C		1J21C		2060		59		I8L,014H,I8L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J15C		1J15B		2920		62		I9L*I10L 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	1J13B		1J30E		2040		60		I9H, I10H
010135	1J17D	000012	1J16D	000000	2930	000000	61,62	800	I10L, I10L*I12L, I9L*I10L
010135	2J17B	000020	2J16B	000000	2930	000000	63,64	801	I10L, I7H, I10L* I12L, I13L*015H, 015H
	2J15B		2J15A		2920		63		I5L
010135	2J18C	000020	2J21C	000020	2060	000020	59A	802	I12L, I015H, I11L* I12L
	2J15B		2J15A		2920		63		015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	2J13B		2J30E		2040		60		I7H, I8H
010135	1J17E	000040	1J16B	000000	2930	000000	63,64	803	I7H, I013L*015H, 015H
	1J15B		1J15A		2920		63		I5L
010135	1J18C	000040	1J21C	000040	2060	000040	59	804	I12L, I015H, I11L* I12L
	1J15B		1J15A		2920		63		015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
	1J13B		1J30E		2040		60		I7H, I8H
010135	2J17E	000100	2J16B	000000	2930	000000	63,64	805	08H
	2J15A		2J15B		2920		64		I5L
010135	2J18A	000100	2J10A	000100	2060	000100	59,69A,70	806	I11L, I015H, I11L* I12L
	2J15A		2J15B		2920		64		015H, I11L*I12L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J13B		2J30E		2040		60		I13L,I5L*I6L* I7L,I8L*I9L* I10L I5H,I6H
010135		000120		000000	000000			807	
	2J17B		2J16B		2930		63,64		I9L*I10L
010135		000125		000000	000000			808	
	2J17C		2J16C		2050		56,57		I5L,I7L,09H,I5L* I6L,I7L*I8L
010135		000125		000125	000124			809	
	2J12F		2J16F		2070		56,57		014L,I9H
010135		000125		000125	000125			810	
	2J13B		2J30E		2040		60		015L
	7J18A		7J33C		2040		30		I12L
010135		000200		000000	000000			811	
	1J17B		1J16B		2930		63,64		I5H,08H*06L,08H
	1J15A		1J15B		2920		64		I5L
010135		000200		000200	000200			812	
	1J18A		1J10A		2060		59,69,70		I11L,015H,I11L* I12L
	1J15A		1J15B		2920		64		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	1J13B		1J30E		2040		60		I5H,I6H
010135		000240		000000	000000			813	
	1J17B		1J16B		2930		63,64		I10L,I10L*I12L, I9L*I10L
010135		000252		000000	000000			814	
	1J17C		1J16C		2050		56,57		I5L,I7L,010L, 09H,I13H,I14H, I15H,I5L*I6L, I7L*I8L
010135		000252		000252	000252			815	
	1J12F		1J16F		2070		56,57		I10L,014L,I9H, 015H
	1J13B		1J30E		2040		60		015L
	7J18A		7J33C		2040		30		I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010135	3J19E	000377	3J16E	000000	2060	000000	45	815A	I10L,013L,15H I6H,I7H
	3J20F		3J27B		2070		46,45,44		I9L,014H
010135	7J30E	000377	7J28E	000377	2060	000000	7	815B	013H
010135	7J16F	000377	7J15F	000377	2060	000151	49	815C	013H
010135	7J02F	000377	7J03F	000377	2060	000376	53	815D	I10L,014H,I8L* I19L*I10L
010135	7J18A	000377	7J33C	000377	2040	000377	30	815E	015H,15L*I6L I7L*I8L,I9L* I10L,I11L*I12L,I I14L
	3J12C		3J06C		2070		47,11,30		014L,19H
	3J20B		3J27B		2070		44,45,46		012L,I6H
	3J19E		3J16E		2060		45		014H,I8L*I9L* I10L
	3J20C		3J19C		2060		45		I12L
	3J09D		3J05A		2040		30		I12L
	3J16C		3J33C		2050		53		010H
	7J31E		7J29E		2070		7		015H
	7J15A		7J16A		2060		50		013H,014H
010135	0J17D	000400	0J16D	000000	2930	000600	61,62	816	I7H,013L*015H, 015H
	0J15D		0J15C		2920		61		I5L
010135	0J18C	000400	0J21C	000400	2060	000400	59A	817	I5L,013H,I5L* I6L*I7L
	0J15D		0J15C		2920		61		015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
	0J13B		0J30E		2040		60		I11H,I12H
010135	9J17D	001000	9J16D	000000	2930	000000	61,62	818	I7H,013L*015H, 015H
	9J15D		9J15C		2920		61		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE E-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010135	9J18C	001000	9J21C	001000	2060	001000	59	819	15L,013H,15L* 16L*17L
	9J15D		9J15C		2920		61		015H,I11L*I12L* 113L,15L*16L* 17L,18L*19L* 110L
	9J13B		9J30E		2040		60		111H,I12H
010135	7J15G	001403	7J30F	001403	2060	001403	51	820	013L,I5H,I6H, 17H
010135	0J17D	002000	0J16D	000000	2930	000000	61,62	821	15H,08H*06L,08H 15L
	0J15C		0J15B		2920		62		
010135	0J18C	002000	0J21C	002000	2060	002000	59A	822	18L,014H,I8L* 19L*110L
	0J15C		0J15B		2920		62		015H,I11L*I12L* 113L,15L*16L* 17L,18L*19L* 110L
	0J13B		0J30E		2040		60		19H,110H
010135	0J17D	002400	0J16D	000000	2930	000000	61,62	823	110L,110L*112L, 19L*110L
010135	9J17D	004000	9J16D	000000	2930	000000	61,62	824	15H,08H*06L,08H 15L
	9J15C		9J15B		2920		62		
010135	9J18C	004000	9J21C	004000	2060	004000	59	825	18L,014H,I8L* 19L*110L
	9J15C		9J15B		2920		62		015H,I11L*I12L* 113L,15L*16L* 17L,18L*19L* 110L
	9J13B		9J30E		2040		60		19H,110H
010135	9J17D	005000	9J16D	000000	2930	000000	61,62	826	110L,110L*112L, 19L*110L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
				TYPE				
010135	7J15G	006014	7J30F	006014	006014	51	827	014L, 18H, 19H, 110H
010135	0J17B	010000	0J16B	000000	000000	63,64	828	17H, 013L*015H, 015H 15L
	0J15B		0J15A	2920		63		
010135	0J18C	010000	0J21C	010000	010000	59A	829	112L, 015H, 111L* 112L 015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* 110L 17H, 18H
	0J15B		0J15A	2920		63		
	0J13B		0J30E	2040		60		
010135	9J17B	020000	9J16B	000000	000000	63,64	830	17H, 013L*015H, 015H 15L
	9J15B		9J15A	2920		63		
010135	9J18C	020000	9J21C	020000	020000	59	831	112L, 015H, 111L* 112L 015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* 110L 17H, 18H
	9J15B		9J15A	2920		63		
	9J13B		9J30E	2040		60		
010135	7J15G	030060	7J30F	030060	030060	51	832	015L, 111H, 112H
010135	0J17B	040000	0J16B	000000	000000	63,64	833	15H, 08H*06L, 08H 15L
	0J15A		0J15B	2920		64		
010135	0J18A	040000	0J10A	040000	040000	59,69A,70	834	111L, 015H, 111L* 112L 015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* 110L 15H, 16H
	0J15A		0J15B	2920		64		
	0J13B		0J30E	2040		60		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010135	0J17B	050000	0J16B	000000	2930	000000	63,64	835	I10L,I10L+I12L, I9L+I10L
010135	0J17C	052400	0J16C	000000	2050	000000	56,57	836	I5L,I7L,010L, 09H,I13H,I14H, I15H,I5L+I6L, I7L+I3L
010135	0J12F	052400	0J16F	052400	2070	052400	56,57	837	I10L,014L,I9H, 015H 015L I8L
	0J13B		0J30E		2040		60		
	7J18A		7J33C		2040		30		
010135	9J17B	100000	9J16B	000000	2930	000000	63,64	838	I5H,08H+06L,08H I5L
	9J15A		9J15B		2920		64		
010135	9J18A	100000	9J10A	100000	2060	100000	59,69,70	839	I11L,015H,I11L+ I12L 015H,I11L+I12L+ I13L,I5L+I6L+ I7L,I8L+I9L+ I10L I5H,I6H
	9J15A		9J15B		2920		64		
	9J13B		9J30E		2040		60		
010135	9J17B	120000	9J16B	000000	2930	000000	63,64	840	I10L,I10L+I12L, I9L+I10L
010135	9J17C	125000	9J16C	000000	2050	000000	56,57	841	I5L,I7L,010L, 09H,I13H,I14H, I15H,I5L+I6L, I7L+I8L
010135	9J12F	125000	9J16F	125000	2070	125000	56,57	842	I10L,014L,I9H, 015H I6L 015L
	7J18A		7J33C		2040		30		
	9J13B		9J30E		2040		60		
010135	3J16C	125777	3J33C	060705	2050	075655	48,53	843	I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010135	7J15F	140300	7J04F	140300	2060	140300	51	844	013L, 15H, 16H, 17H
010135	3J19E	177777	3J16E	000000	2060	000000	45	845	110L, 013L, 15H, 16H, 17H
	3J20E		3J27E		2070		46, 45, 44		19L, 014H
010135	7J02F	177777	7J03F	177777	2060	177776	53	846	110L, 014H, 18L* 19L* 110L
010135	7J18A	177777	7J33C	177777	2040	177777	30	847	015H, 15L* 16L, 17L* 18L, 19L* 110L, 111L* 112L, 113L* 114L
	3J12C		3J06C		2070		47, 11, 30		014L, 19H
	3J20B		3J27B		2070		46, 45, 44		012L, 16H
	3J19E		3J16E		2060		45		014H, 18L* 19L* 110L 112L 112L
	3J20C		3J19C		2060		45		
	3J09D		3J05A		2040		30		
010266	3J23A	177777	3J03E	177777	2030	017072	41	848	011L, 112H, 113H, 114H, 115H
010266	3J25B	177777	3J26B	177777	2013	177777	15	849	17H, 18H, 19H, 010H* 011H* 012H 111H, 112H
	3J09D		3J05A		2040		30		
010266	2J17B	000000	2J16B	000000	2930	000000	63, 64	850	112H, 06H
	2J34E		2J22B		2030		64		16L
	2J34C		2J22C		2030		63		16L
	2J34D		2J22D		2030		62		16L
010266	2J33E	000000	2J33D	000000	2020	000001	61	851	17L, 15H, 16H, 17H, 113H, 114H, 115H, 011L* 012H, 15L* 16L* 17L, 18L* 19L* 110L, 012H 16L, 18L, 113H, 114H, 115H, 011L*
	2J02B		2J03B		2020		69A		

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									012H, 15L*16L* 17L, 18L*19L* 110L, 012H
	7J03G		7J09G		2070		26, 35, 53		011L, 15H
	7J18B		7J19A		2030		53		112L, 011H, 112L* 113L*114L
	2J15D		2J15C		2920		61		111H, 112H, 113H, 114H
	2J34E		2J34D		2030		61		16L

010266		000000		000000		000002		852	
	1J33E		1J33D		2020		61		17L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H
	1J15D		1J15C		2920		61		111H, 112H, 113H, 114H
	1J34E		1J34D		2030		61		16L

010266		000000		000000		000004		853	
	2J33D		2J28D		2020		62		17L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H
	2J15C		2J15B		2920		62		111H, 112H, 113H, 114H

010266		000000		000000		000010		854	
	1J33D		1J28D		2020		62		17L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H
	1J15C		1J15B		2920		62		111H, 112H, 113H, 114H
	1J34D		1J22D		2030		62		16L

010266		000000		000000		000020		855	
	2J33C		2J28C		2020		63		17L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H
	2J15C		2J15A		2920		63		111H, 112H, 113H, 114H

010266		000000		000000		000040		856	
	1J33C		1J28C		2020		63		17L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J02B		1J03B		2020		69		19L*110L,012H
	1J15B		1J15A		2920		63		113H,114H,115H
	1J34C		1J22C		2030		63		111H,112H,113H, 114H
									16L
010266		000000		000000		000100		857	
	2J33B		2J28B		2020		64		17L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	2J15A		2J15B		2920		64		111H,112H,113H, 114H
010266		000000		000000		000125		858	
	2J32C		2J27C		2013		60,69A		15H,16H,013H* 014H*015H
	2J11A		2J14A		2070		56,57,60,66,69A		16L,011L,15H, 012H
	2J26A		2J21A		2060		60,64		111L,015H,111L* 112L
	2J14C		2J25C		2070		58		17L,013H
010266		000000		000000		000151		859	
	3J21B		3J17B		2060		44		014L,18H,19H, 110H
	7J09D		7J16D		2060		28,51,53		015L,111H,112H
	7J14C		7J12C		2000		51		18L
010266		000000		000000		000200		860	
	1J33B		1J28B		2020		64		17L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	1J02B		1J03B		2020		69		16L,18L,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H
	1J15A		1J15B		2920		64		111H,112H,113H, 114H
	1J34B		1J22B		2030		64		16L
010266		000000		000000		000252		861	
	1J32C		1J27C		2013		60,69		15H,16H,013H* 014H*015H
	1J11A		1J14A		2070		56,57,60,66,69		16L,011L,15H, 012H
	1J26A		1J21A		2060		60,64		111L,015H,111L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J14C		1J25C		2070		58		I12L I7L,013H
010266	0J33E	000000	0J33D	000000	2020	000400	61	862	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I11H,I12H,I13H, I14H
	0J15D		0J15C		2920		61		I11H,I12H,I13H, I14H
	0J34E		0J34D		2030		61		I6L
010266	9J33E	060000	9J33D	000000	2020	001000	61	863	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I11H,I12H,I13H, I14H
	9J15D		9J15C		2920		61		I11H,I12H,I13H, I14H
	9J34E		9J34D		2030		61		I6L
010266	0J33D	000000	0J28D	000000	2020	002000	62	864	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I11H,I12H,I13H, I14H
	0J15C		0J15B		2920		62		I11H,I12H,I13H, I14H
	0J34D		0J22D		2030		62		I6L
010266	9J33D	000000	9J28D	000000	2020	004000	62	865	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I11H,I12H,I13H, I14H
	9J15C		9J15B		2920		62		I11H,I12H,I13H, I14H
	9J34D		9J22D		2030		62		I6L
010266	0J33C	000000	0J28C	000000	2020	010000	63	866	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I13H,I14H,I15H I11H,I12H,I13H, I14H
	0J02B		0J03B		2020		69A		I13H,I14H,I15H
	0J15B		0J15A		2920		63		I11H,I12H,I13H, I14H
	0J34C		0J22C		2030		63		I6L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010266		000000		000000		G20000		867	
	9J33C		9J28C		2020		63		17L, I13H, I14H, I15H, C11L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	9J02B		9J03B		2020		69		I13H, I14H, I15H
	9J15B		9J15A		2920		63		I11H, I12H, I13H, I14H
	9J34C		9J22C		2030		63		I6L
010266		000000		000000		040000		868	
	0J33B		0J28B		2020		64		17L, I13H, I14H, I15H, C11L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	0J02B		0J03B		2020		69A		I6L, I8L, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	0J15A		0J15B		2920		64		I11H, I12H, I13H, I14H
	0J34B		0J22B		2030		64		I6L
010266		000000		000000		052400		869	
	0J32C		0J27C		2013		60, 69A		I5H, I6H, 013H* 014H*015H
	0J11A		0J14A		2070		56, 57, 60, 66, 69A		I6L, 011L, I5H, 012H
	0J26A		0J21A		2060		60, 64		I11L, 015H, I11L* I12L
	0J14C		0J25C		2070		58		I7L, 013H
010266		000000		000000		100000		870	
	9J33B		9J28B		2020		64		17L, I13H, I14H, I15H, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	9J02B		9J03B		2020		69		I6L, I8L, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	9J15A		9J15B		2920		64		I11H, I12H, I13H, I14H
	9J34B		9J22B		2030		64		I6L
010266		000000		000000		125000		871	
	9J32C		9J27C		2013		60, 69		I5H, I6H, 013H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J11A		9J14A		2070		56,57,60,66,69		014H*015H 16L,011L,15H, 012H
	9J26A		9J21A		2060		60,64		111L,015H,111L* 112L
	9J14C		9J25C		2070		58		17L,013H

010266		000000		000001		000000		872	
	2J28D		2J13D		2020		61		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	2J21D		2J10D		2060		38,61		17L,013H,15L* 16L*17L
	2J35A		2J25A		2070		61,62,63,64		011L,15H
	2J15D		2J15C		2920		61		18H,19H,110H
	2J34E		2J34D		2030		61		115L

010266		000000		000002		000000		873	
	1J28D		1J13D		2020		61		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	1J21D		1J10D		2060		38,61		17L,013H,15L* 16L*17L
	1J35A		1J25A		2070		61,62,63,64		011L,15H
	1J15D		1J15C		2920		61		18H,19H,110H
	1J34E		1J34D		2030		61		115L

010266		000000		000004		000000		874	
	2J28C		2J33C		2020		62		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	2J21C		2J18C		2060		38,62		17L,013H,15L* 16L*17L
	2J35A		2J25A		2070		61,62,63,64		012L,16H
	2J15C		2J15B		2920		62		18H,19H,110H
	2J34D		2J22D		2030		62		115L

010266		000000		000010		000000		875	
	1J28C		1J33C		2020		62		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
	1J21C		1J18C		2060		38,62		17L,013H,15L* 16L*17L
	1J35A		1J25A		2070		61,62,63,64		012L,16H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J15C		1J15B		2920		62		18H, 19H, 110H
	1J34D		1J22D		2030		62		115L

010266		000000		000020		000000		876	
	2J28B		2J05B		2020		63		15L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H 17L, 013H, 15L* 16L*17L
	2J21B		2J07B		2060		38, 63		013L, 17H 18H, 19H, 110H 115L
	2J35A		2J25A		2070		61, 62, 63, 64		
	2J15B		2J15A		2920		63		
	2J34C		2J22C		2030		63		

010266		000000		000040		000000		877	
	1J28B		1J05B		2020		63		15L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H 17L, 013H, 15L* 16L*17L
	1J21B		1J07B		2060		38, 63		013L, 17H 18H, 19H, 110H 115L
	1J35A		1J25A		2070		61, 62, 63, 64		
	1J15B		1J15A		2920		63		
	1J34C		1J22C		2030		63		

010266		000000		000100		000000		878	
	2J28A		2J02B		2020		64		15L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H 014L, 19H 013H, 15L*16L* 17L
	2J35A		2J25A		2070		61, 62, 63, 64		18H, 19H, 110H 115L
	2J21A		2J19A		2060		38, 64		
	2J15A		2J15B		2920		64		
	2J34B		2J22B		2030		64		

010266		000000		000100		000100		879	
	2J27A		2J17A		2013		59, 60		17H, 18H, 19H, 010H*011H*012H

010266		000000		000125		000000		880	
	2J27C		2J23C		2013		59A, 60		15H, 16H, 013H* 014H*015H
	2J19A		2J18A		2060		60		18L, 014H, 16L* 19L*110L
	2J14C		2J25C		2070		58		16L, 012H
	2J20A		2J14A		2070		56, 58, 60		014L, 19H
	2J29E		2J25D		2070		57, 58		110L, 015H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010266		000000		000200		000000		881	
	1J28A		1J02B		2020		64		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H 17L,013H,15L* 16L*17L
	1J21A		1J19A		2060		38,64		014L,19H
	1J35A		1J25A		2070		61,62,63,64		18H,19H,110H
	1J15A		1J15B		2920		64		115L
	1J34B		1J22B		2030		64		
010266		000000		000252		000000		882	
	1J27C		1J23C		2013		59,60		15H,16H,013H* 014H*015H
	1J19A		1J18A		2060		60		18L,014H,18L* 19L*110L
	1J14C		1J25C		2070		58		16L,012H
	1J20A		1J14A		2070		56,58,60		014L,19H
	1J29E		1J25D		2070		57,58,67		110L,015H
010266		000000		000377		000000		682A	
	7J15F		7J04F		2060		51		015L,111H,112H
	7J14E		7J21E		2000		51		18L,112L
	3J21B		3J17B		2060		44		19L
010266		000000		000377		000151		882B	
	7J16E		7J19E		2070		49		011H,
	7J17F		7J18F		2030		49		011H
	7J18C		7J02C		2030		49		011H
010266		000000		000377		000377		883	
	7J26D		7J25D		2013		07,14		17L,010L*011L* 012L
010266		000000		000400		000000		884	
	0J28D		0J13D		2020		61		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H 17L,013H,15L* 16L*17L
	0J21D		0J10D		2060		38,61		011L,15H
	0J35A		0J25A		2070		61,62,63,64		18H,19H,110H
	0J15D		0J15C		2920		61		115L
	0J34E		0J34D		2030		61		
010266		000000		001000		000000		885	
	9J28D		9J13D		2020		61		15L,113H,114H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J21D	9J10D			2060		38,61		I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I7L,013H,I5L* I6L*I7L
	9J35A	9J25A			2070		61,62,63,64		011L,I5H
	9J15D	9J15C			2920		61		I8H,I9H,I10H
	9J34E	9J34D			2030		61		I15L

010266		000000		002000		000000		886	
	0J28C	0J33C			2020		62		I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I7L,013H,I5L* I6L*I7L
	0J21C	0J18C			2060		38,62		012L,I6H
	0J35A	0J25A			2070		61,62,63,64		I8H,I9H,I10H
	0J15C	0J15B			2920		62		I15L
	0J34D	0J22D			2030		62		

010266		000000		004000		000000		887	
	9J28C	9J33C			2020		62		I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I7L,013H,I5L* I6L*I7L
	9J21C	9J18C			2060		38,62		012L,I6H
	9J35A	9J25A			2070		61,62,63,64		I8H,I9H,I10H
	9J15C	9J15B			2920		62		I15L
	9J34D	9J22D			2030		62		

010266		000000		010000		000000		888	
	0J28B	0J05B			2020		63		I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I7L,013H,I5L* I6L*I7L
	0J21B	0J07B			2060		38,63		013L,I7H
	0J35A	0J25A			2070		61,62,63,64		I8H,I9H,I10H
	0J15B	0J15A			2920		63		I15L
	0J34C	0J22C			2030		63		

010266		000000		020000		000000		889	
	9J28B	9J05B			2020		63		I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I7L,013H,I5L*
	9J21B	9J07B			2060		38,63		

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J35A		9J25A		2070		61,62,63,64		16L*17L
	9J15B		9J15A		2920		63		013L,I7H
	9J34C		9J22C		2030		63		18H,19H,I10H
									115L
010266		000000		040000		000000		890	
	0J28A		0J02B		2020		64		15L,I13H,I14H,
									115H,011L*012H,
									15L*16L*17L,I8L*
									19L*110L,012H
	0J21A		0J19A		2060		38,64		17L,013H,15L*
									16L*17L
	0J35A		0J25A		2070		61,62,63,64		014L,I9H
	0J15A		0J15B		2920		64		18H,19H,I10H
	0J34C		0J22B		2030		64		115L
010266		000000		052400		000000		891	
	0J27C		0J23C		2013		59A,60		15H,16H,013H*
									014H*015H
	0J19A		0J18A		2060		60		18L,014H,18L*
									19L*110L
	0J14C		0J25C		2070		58		16L,012H
	0J20A		0J14A		2070		56,58,60		014L,I9H
	0J29E		0J25D		2070		57,58		110L,015H
010266		000000		100000		000000		892	
	9J25A		9J02B		2020		64		15L,I13H,I14H,
									115H,011L*012H,
									15L*16L*17L,I8L*
									19L*110L,012H
	9J21A		9J19A		2060		38,64		17L,013H,15L*
									16L*17L
	9J35A		9J25A		2070		61,62,63,64		014L,I9H
	9J15A		9J15E		2920		64		18H,19H,I10H
	9J34B		9J22B		2030		64		115L
010266		000000		125000		000000		893	
	9J27C		9J23C		2013		59,60		15H,16H,013H*
									014H*015H
	9J19A		9J18A		2060		60		18L,014H,18L*
									19L*110L
	9J14C		9J25C		2070		58		16L,012H
	9J20A		9J14A		2070		56,58,60		014L,I9H
	9J29E		9J25D		2070		57,58,67		110L,015H
010266		000000		177777		000000		894	
	7J15F		7J04F		2060		51		015L,I11H,I12H
	7J14L		7J12E		2000		51		18L,I12L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J21B		3J17B		2060		44		19L
010266		000000		177777		017101		895	
	7J16F		7J15F		2060		28,49		17L
010266		000001		000000		000000		896	
	2J17D		2J16D		2930		61,62		19H,013H*015L, 013H
	2J15D		2J15C		2920		61		15H,16H,17H
	2J22D		2J34D		2030		61		19L
010266		000001		000001		000001		897	
	2J27D		2J09D		2013		59A,60		17H,18H,19H, 010H*011H*012H
	7J09E		7J31C		2013		14		15L
	2J13B		2J30E		2040		60		112L
	2J15D		2J15C		2920		61		015L
010266		000002		000000		000000		898	
	1J17D		1J16D		2930		61,62		19H,013H*015L, 013H
	1J15D		1J15C		2920		61		15H,16H,17H
010266		000002		000002		000002		899	
	1J27D		1J09D		2013		59,60		17H,18H,19H, 010H*011H*012H
	1J13B		1J30E		2040		60		112L
	1J15D		1J15C		2920		61		015L
010266		000004		000000		000000		900	
	2J17D		2J16D		2930		61,62		112H,08L*06H, 06H
	2J15C		2J15B		2920		62		15H,16H,17H
010266		000004		000004		000004		901	
	2J27C		2J23C		2013		59A,60		17H,18H,19H, 010H*011H*012H
	2J13B		2J30E		2040		60		110L
	2J15C		2J15B		2920		62		015L
010266		000005		000000		000000		902	
	2J17D		2J16D		2930		61,62		114L,15L*114L, 17L*114L
010266		000010		000000		000000		903	
	1J17D		1J16D		2930		61,62		112H,08L*06H, 06H
	1J15C		1J15B		2920		62		15H,16H,17H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010266	1J27C	000010	1J23C	000010	2013	000010	59,60	904	17H,18H,19H, 010H*011H*012H 110L 015L
	1J13B		1J30E		2040		60		
	1J15C		1J15B		2920		62		
010266	1J17D	000012	1J16D	000000	2930	000000	61,62	905	114L,15L*114L, 17L*114L
010266	2J17B	000020	2J16B	000000	2930	000000	63,64	906	114L,19H,15L* 114L,013H*015L, 17L*114L,013H 15H,16H,17H
	2J15B		2J15A		2920		63		
010266	2J27B	000020	2J14B	000020	2013	000020	59	907	17H,18H,19H, 010H*011H*012H 18L 015L
	2J13B		2J30E		2040		60		
	2J15B		2J15A		2920		63		
010266	2J01C	000025	2J23C	000025	2013	000025	06	908	013H*014H*015H 15L
	2J13B		2J30E		2040		60		
010266	2J27B	000025	2J14B	000125	2013	000125	59	909	15H,16H,013H* 014H*015H
010266	2J01C	000025	2J23C	000125	2013	000175	06	910	15H,16H
010266	1J17B	000040	1J16B	000000	2930	000000	63,64	911	19H,013H*015L, 013H 15H,16H,17H
	1J15B		1J15A		2920		63		
010266	1J27B	000040	1J14B	000040	2013	000040	59	912	17H,18H,19H, 010H*011H*012H 18L 015L
	1J13B		1J30E		2040		60		
	1J15B		1J15A		2920		63		
010266	1J13B	000052	1J30E	000052	2040	000052	60	913	15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
010266		000100		000000	000000		914	
	2J15A		2J15B		2920	64		15H, I6H, 17H
	2J17B		2J16B		2930	63, 64		08L*06H
010266		000100		000100	000100		915	
	2J13E		2J30E		2040	60		16L
	2J15A		2J15B		2920	64		015L
	2J27A		2J27B		2013	59		010H
010266		000105		000105	000105		916	
	2J13B		2J30E		2040	60		17L
010266		000121		000121	000121		917	
	2J13B		2J30E		2040	60		19L
010266		000124		000124	000124		918	
	2J13E		2J30E		2040	60		111L
010266		000125		000000	000000		919	
	2J17C		2J16C		2050	56, 57		09L, I11L, I13L, 17H, I8H, 010H, I11L*I12L, I13L* I14L*I15L
	2J19A		2J18A		2060	60		I5L, 013H, I5L* I6L*I7L
	2J14C		2J25C		2070	58		I5L, 011H
	2J20A		2J14A		2070	56, 58, 60		013L, 17H
010266		000125		000125	000125		920	
	2J12F		2J16F		2070	56, 57		19L, 015L, I10H, 014H
	2J13B		2J30E		2040	60		I13L, C15H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
	7J15B		7J02B		2050	50		013L, I5H, I6H, 17H
	7J16B		7J19B		2060	50		I12L, C15H, I11L* I12L
	7J18A		7J33C		2040	30		I11H, I12H
010266		000200		000000	000000		921	
	1J17B		1J16B		2930	63, 64		I12H, C8L*06H, 06H
	1J15A		1J15B		2920	64		15H, I6H, 17H
010266		000200		000200	000200		922	
	1J27A		1J17A		2013	59, 60		17H, I8H, 19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE B-25. PROGRAM EXECUTION, AIRAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J13B		1J30E		2040		60		010H*011H*012H
	1J15A		1J15B		2920		64		16L 015L
010266		000212		000212		000212		923	
	1J13B		1J30E		2040		60		17L
010266		000240		000000		000000		924	
	1J17B		1J16B		2930		63,64		114L,15L*114L, 17L*114L
010266		000242		000242		000242		925	
	1J13B		1J30E		2040		60		19L
010266		000250		000250		000250		926	
	1J13B		1J30E		2040		60		111L
010266		000252		000000		000000		927	
	1J17C		1J16C		2050		56,57		09L,111L,113L, 17H,18H,010H, 111L*112L,113L* 114L*115L 15L,013H,15L* 16L*17L 15L,011H 013L,17H
	1J19A		1J18A		2060		60		
	1J14C		1J25C		2070		58		
	1J20A		1J14A		2070		56,58,60		
010266		000252		000252		000252		928	
	1J01C		1J23C		2013		06		15H,16H,013H* 014H*015H
	1J27B		1J14B		2013		59		15H,16H,013H* 014H*015H
	1J12F		1J16F		2070		56,57		19L,015L,110H, 014H
	1J13B		1J30E		2040		60		113L,015H,15L* 16L,17L*18L,19L* 110L,111L*112L, 113L*114L
	7J15B		7J02B		2060		50		014L,18H,19H, 110H
	7J16A		7J15A		2060		50		16L,013H,15L* 16L*17L
	7J12A		7J33C		2040		30		19H,110H
010266		000377		000000		000000		928A	
	7J15F		7J04F		2060		51		014L,18H,19H 110H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010266	7J14E	000377	7J12E	000000	2000	000151	51	928E	I15L, I7H, I8H 013H*014L, 013H
010266	7J30E	000377	7J28E	000377	2060	000000	07, 52	928C	015L, I11H, I12H 013H, 15L*16L* I7L
	7J14C		7J12C		2000		51		I15L, I7H, I8H 013H*014L, 013H
	3J21B		3J17B		2060		44		014H, 18L*19L* I10L
010266	7J15D	000377	7J14D	000377	2013	000151	49	928D	I5H, I6H, 013H* 014H*015H
	7J16F		7J15F		2060		28, 49		013L, 15H, I6H I7H
	7J17G		7J13G		2050		49, 51		I11L, 010H, I11L* I12L, I13L*I14L* I15L
	7J16D		7J09D		2060		49		I12L, 013H, 15L* I6L*I7L
	7J16E		7J19E		2070		10, 49, 50, 54		011L, 15H
	7J31E		7J29E		2070		07		I5L, 011H
010266	7J12A	000377	7J14A	000377	2900	000377	50	928E	I9H, 013H*015L 013H
	7J02F		7J03F		2060		53		014L, 18H, I9H I10H
	3J16C		3J33C		2050		48, 53		010L, I13H, I14H I15H
	3J12A		3J14A		2070		03, 07, 09, 53		I9L, 014H
	3J12C		3J06C		2070		47, 11, 30		I9L, 014H
	7J18B		7J19A		2030		53		I7L, 010H, I5L* I6L*I7L*I8L* I9L
	3J09C		3J04C		2060		53, 30		014H, 18L*19L* I10L
	7J18A		7J33C		2040		30		015L
	3J25B		3J26B		2013		15		I7H, I8H, I9H
	3J09D		3J05A		2040		30		010H*011H*012H I11H, I12H
010266	7J02B	000377	7J15B	000377	2060	017101	22, 23, 49	928F	013L, 15H, 16H I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J16D		7J09D		2060		49		I6L
	7J17G		7J13G		2050		49,51		I15L
010266	3J23A	000377	3J03E	000377	2030	017072	41	9286	011L,I12H,I13H I14H,I15H
010266	0J17D	000400	0J16D	000000	2930	000000	61,62	929	I9H,013H*015L, 013H
	0J15D		0J15C		2920		61		I5H,I6H,I7H
010266	0J27D	000400	0J09D	000400	2013	000400	59A,60	930	I7H,I8H,I9H, 010H*011H*012H
	0J13B		0J30E		2040		60		I12L
	0J15D		0J15C		2920		61		015L
010266	9J17D	001000	9J16D	000000	2930	000000	61,62	931	I9H,013H*015L, 013H
	9J15D		9J15C		2920		61		I5H,I6H,I7H
010266	9J27D	001000	9J09D	001000	2013	001000	59,60	932	I7H,I8H,I9H, 010H*011H*012H
	9J13B		9J30E		2040		60		I12L
	9J15D		9J15C		2920		61		015L
010266	0J17D	002000	0J16D	000000	2930	000000	61,62	933	I12H,08L*06H, 06H
	0J15C		0J15B		2920		62		I5H,I6H,I7H
010266	0J27C	002000	0J23C	002000	2013	002000	59A,60	934	I7H,I8H,I9H, 010H*011H*012H
	0J13B		0J30E		2040		60		I10L
	0J15C		0J15B		2920		62		015L
010266	0J17D	002400	0J16D	000000	2930	000000	61,62	935	I14L,I5L*I14L, I7L*I14L
010266	9J17D	004000	9J16D	000000	2930	000000	61,62	936	I12H,08L*06H, 06H
	9J15C		9J15B		2920		62		I5H,I6H,I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010266	9J27C	004000	9J23C	004000	2013	004000	59,60	937	17H,18H,19H, 010H*011H*012H 110L 015L
	9J13B		9J30E		2040		60		
	9J15C		9J15B		2920		62		
010266	9J17D	005000	9J16D	000000	2930	000000	61,62	938	114L,15L*114L, 17L*114L
010266	0J17B	010000	0J16B	000000	2930	000000	63,64	939	19H,013H*015L, 013H 15H,16H,17H
	0J15B		0J15A		2920		63		
010266	0J27B	010000	0J14B	010000	2013	010000	59	940	17H,18H,19H, 010H*011H*012H 18L 015L
	0J13B		0J30E		2040		60		
	0J15B		0J15A		2920		63		
010266	0J13E	012400	0J30E	012400	2040	012400	60	941	15L
010266	9J17E	020000	9J16B	000000	2930	000000	63,64	942	19H,013H*015L, 013H 15H,16H,17H
	9J15B		9J15A		2920		63		
010266	9J27B	020000	9J14B	020000	2013	020000	59	943	17H,18H,19H, 010H*011H*012H 18L 015L
	9J13B		9J30E		2040		60		
	9J15B		9J15A		2920		63		
010266	9J13B	025000	9J30E	025000	2040	025000	60	944	15L
010266	7J18C	037477	7J02C	000377	2030	017101	49,107	944A	115L
010266	7J18C	037477	7J02C	177777	2030	017101	49,107	945	115L
010266	0J17E	040000	0J16B	000000	2930	000000	63,64	946	112H,08L*06H, 06H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J15A		0J15B		2920		64		15H,16H,17H
010266	040000		040000		040000			947	
	0J27A		0J17A		2013		59,60		17H,18H,19H, 010H*011H*012H
	0J13B		0J30E		2040		60		16L
	0J15A		0J15B		2920		64		015L
010266	042400		042400		042400			948	
	0J13B		0J30E		2040		60		17L
010266	050000		000000		000000			949	
	0J17B		0J16B		2930		63,64		114L,15L*114L, 17L*114L
010266	050400		050400		050400			950	
	0J13B		0J30E		2040		60		19L
010266	052000		052000		052000			951	
	0J13B		0J30E		2040		60		111L
010266	052200		000000		102102			952	
	3J20B		3J27B		2070		46,45,44		015L,110H
010266	052400		000000		000000			953	
	0J17C		0J16C		2050		56,57		09L,111L,113L, 17H,18H,010H, 111L*112L,113L* 114L*115L
	0J19A		0J18A		2060		60		15L,013H,15L* 16L*17L
	0J14C		0J25C		2070		58		15L,011H
	0J20A		0J14A		2070		56,58,60		013L,17H
010266	052400		052400		052400			954	
	0J01C		0J23C		2013		06		15H,16H,013H* 014H*015H
	0J27B		0J14B		2013		59		15H,16H,013H* 014H*015H
	0J12F		0J16F		2070		56,57		19L,015L,110H, 014H
	0J13E		0J30E		2040		60		113L,015H,15L* 16L,17L*18L,19L* 110L,111L*112L, 113L*114L
	7J15A		7J22A		2060		50		013L,15H,16H, 17H
	7J16A		7J22A		2060		50		19L,014H,18L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J18A		7J33C		2040		30		I9L*I10L I7H,I&H
010266		072200		113477		102122		955	
	3J09C		3J04C		2060		53,30		I9L
010266		100000		000000		000000		950	
	9J17B		9J16B		2930		63,64		I12H,C8L*06H, 06H
	9J15A		9J15B		2920		64		I5H,I&H,I7H
010266		100000		100000		100000		957	
	9J27A		9J17A		2013		50,60		I7H,I&H,I9H, 010H*C11H*012H
	9J13B		9J30E		2040		60		I6L
	9J15A		9J15B		2920		64		015L
010266		105000		105000		105000		958	
	9J13B		9J30E		2040		60		I7L
010266		120000		000000		000000		959	
	9J17B		9J16B		2930		63,64		I14L,I5L*I14L, I7L*I14L
010266		121000		121000		121000		960	
	9J13B		9J30E		2040		60		I9L
010266		124000		124000		124000		961	
	9J13B		9J30E		2040		60		I11L
010266		125000		000000		000000		962	
	9J17C		9J16C		2050		56,57		09L,I11L,I13L, I7H,I&H,010H, I11L*I12L,I13L* I14L*I15L
	9J19A		9J18A		2060		60		I5L,013H,I5L* I&L*I7L
	9J14C		9J25C		2070		58		I5L,011H
	9J20A		9J14A		2070		56,58,60		013L,I7H
010266		125000		125000		125000		963	
	9J01C		9J23C		2013		06		I5H,I6H,013H* 014H*C15H
	9J27B		9J14B		2013		59		I5H,I6H,013H* 014H*015H
	9J12F		9J16F		2070		56,57		I9L,015L,I10H, 014H
	9J13B		9J30E		2040		60		I13L,015H,I5L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STGP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J15A	7J22A			2060		50		I6L,I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
	7J16A	7J22A			2060		50		014L,I8H,I9H, I10H I12L,015H,I11L* I12L
	7J18A	7J33C			2040		30		I5H,I6H
010266		177777		000000		000000		964	
	7J15F	7J04F			2060		51		014L,I8H,I9H, I10H
	3J21B	3J17B			2060		44		I10L
010266		177777		000000		000151		965	
	7J14E	7J12E			2000		51		I15L,I7H,I8H, 013H*014L,013H
010266		177777		177777		000000		966	
	7J30E	7J28E			2060		07,52		015L,I11H,I12H, 013H,I5L*I6L* I7L
	7J14C	7J12C			2000		51		I15L,I7H,I8H, 013H*014L,013H
	3J21B	3J17B			2060		44		014H,I8L*I9L* I10L
010266		177777		177777		000151		967	
	7J15D	7J14D			2013		49		I5H,I6H,013H* 014H*015H
	7J16F	7J15F			2060		28,49		013L,I5H,I6H, I7H
	7J17G	7J13G			2050		49,51		I11L,010H,I11L* I12L,I13L*I14L* I15L
	7J16D	7J09D			2060		49		I12L,013H,I5L* I6L*I7L
	7J16E	7J19E			2070		10,49,50,54		011L,I5H
	7J31E	7J29E			2070		07		I5L,011H
010266		177777		177777		017101		968	
	7J02B	7J15B			2060		22,23,49		013L,I5H,I6H, I7H
	7J16D	7J09D			2060		49		I6L
	7J17G	7J13G			2050		49,51		I15L
010266		177777		177777		177777		969	
	7J12A	7J14A			2900		50		I9H,013H*015L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J02F		7J03F		2060		53		013H 014L, 18H, 19H, 110H
	3J16C		3J33C		2050		48, 53		010L, 113H, 114H, 115H
	3J12A		3J14A		2070		03, 07, 09, 53		19L, 014H
	3J12C		3J06C		2070		47, 11, 30		19L, 014H
	7J18B		7J19A		2030		53		17L, 010H, 15L* 16L*17L*18L*19L
	3J09C		3J04C		2060		53, 30		014H, 18L*19L* 110L
	7J18A		7J33C		2040		30		015L

010310		010232		000000		000151		970	
	4J09E		4J08E		2040		83		111H, 112H

010315		010000		000000		017101		971	
	1J19D		1J18D		2930		61, 62		112L
	2J19D		2J18D		2930		61, 62		112L

010363		000125		000000		017101		972	
	2J12D		2J02D		2070		57, 58, 65A		013L, 17H
	2J04B		2J03B		2020		69A		16L

010363		000252		000000		000151		973	
	1J12D		1J02D		2070		57, 58, 65		013L, 17H
	1J04B		1J03B		2020		69		16L

010363		000377		000000		017101		974	
	7J19B		7J16B		2060		53		15L, 013H, 15L* 16L*17L
	7J09C		7J15C		2013		14		013L*014L*015L
	3J09D		3J05A		2040		30		17H, 18H

010363		177777		000000		017101		975	
	3J09D		3J05A		2040		30		17H, 18H
	7J19B		7J16B		2060		53		15H, 013H, 15L* 16L*17L
	7J09C		7J15C		2013		14		013L*014L*015L

010473		000000		5001X7		000151		976	
	9J27B		9J14B		2013		59		15L, 013L*014L* 015L
	7J15A		7J22A		2060		50		18L, 014H, 18L* 19L*110L
	7J16A		7J22A		2060		50		015L, 111H, 112H
	9J27A		9J17A		2013		59, 60		17L
	9J17B		9J16B		2930		63, 64		15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J15B		7J16B		2060		50		014H
010473	7J14A	040000	7J12A		5001X7 2900	000151	50	977	19L, I11L, 19H, 013H*015L, 013H
010473	7J15C	040300	7J09C		5001X7 2013	000151	49	978	15L, 013L*014L* 015L
	7J31E		7J29E		2070		07		110L, 015H
010475	2J27A	000000	2J17A		5001X7 2013	000151	59,60	979	17L, 010L*011L* 012L
	2J27B		2J14B		2013		59		15L, 013L*014L* 015L
	2J17B		2J16B		2930		63,64		15L
010475	2J27D	000001	2J09D		5001X7 2013	000151	59A,60	980	010L*011L*012L
	2J17D		2J16D		2930		61,62		17L
010475	7J10E	000002	7J08E		500101 2000	000000	104	981	110L
010475	1J17D	000002	1J16D		5001X7 2930	000151	61,62	982	17L
010475	2J27C	000004	2J23C		5001X7 2013	000151	59A,60	983	010L*011L*012L
	2J17D		2J16D		2930		61,62		15L
010475	1J17D	000010	1J16D		5001X7 2930	000151	61,62	984	15L
010475	2J27B	000020	2J14B		5001X7 2013	000151	59	985	010L*011L*012L
	2J17B		2J16B		2930		63,64		17L
010475	1J17B	000040	1J16B		5001X7 2930	000151	63,64	986	17L
010475	7J31E	000052	7J29E		5001X7 2070	000000	07	986A	16L, I12H
010475	7J15G	000052	7J30F		5001X7 2060	000151	51	986B	013H, 014H, 015H 15L*16L*17L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J15F		7J04F		2060		51		I8L*I9L*I10L I11L*I12L 013H, I5L*I6L* I7L
010475		000100		5001X7		000151		987	
	7J16B		7J19B		2060		50		015L, I11H, I12H
	7J15B		7J02B		2060		50		013H, I5L*I6L* I7L
010475		000200		5001X7		000151		988	
	7J12A		7J14A		2900		50		I11L, I12L, I12H, 06H*08L, 06H
	1J27B		1J14B		2013		59		I5L, 013L*014L* 015L
	7J16A		7J15A		2060		50		013L, I5H, I6H, I7H
	7J15B		7J02B		2060		50		I8L, 014H, I6L* I9L*I10L
	1J27A		1J17A		2013		59,60		I7L
	1J17B		1J16B		2930		63,64		I5L
010475		000400		5001X7		000151		989	
	0J17D		0J16D		2930		61,62		I7L
010475		001000		5001X7		000151		990	
	9J27D		9J09D		2013		59,60		I8L
	9J17D		9J16D		2930		61,62		I7L
010475		002000		5001X7		000151		991	
	0J17D		0J16D		2930		61,62		I5L
010475		004000		5001X7		000151		992	
	7J14F		7J12F		2000		51		I6L, I15L, I7H, I8H, 013H*014L, 013H
	9J27C		9J23C		2013		59,60		I8L
	9J17D		9J16D		2930		61,62		I5L
	7J15F		7J04F		2060		51		I6L
	7J15G		7J30F		2060		51		I8L
010475		010000		5001X7		000151		993	
	0J17B		0J16B		2930		63,64		I7L
010475		020000		5001X7		000151		994	
	7J14G		7J12G		2000		51		I8L, I15L, I7H, I8H, 013H*014L, 013H

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TABLE B-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STCP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J27B		9J14B		2013		59		18L
	9J17B		9J16B		2930		63,64		17L
	7J15F		7J04F		2060		51		15L
	7J15G		7J30F		2060		51		112L
010475		025000		5001X7		000000		995	
	7J31E		7J29E		2070		07		16L,012H
010475		025000		5001X7		000151		996	
	9J18C		9J21C		2060		59		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
	9J27A		9J17A		2013		59,60		15H,16H,013H* 014H*015H
	7J15G		7J30F		2060		51		013H,014H,015H, 15L*16L*17L,18L* 19L*110L,111L* 112L
	9J18A		9J10A		2060		59,69,70		015L,111H,112H
	7J15F		7J04F		2060		51		013H,15L*16L* 17L
010475		040000		5001X7		000151		997	
	0J27B		0J14B		2013		59		15L,013L*014L* 015L
	7J16A		7J22A		2060		50		014L,18H,19H, 110H
	7J15A		7J22A		2060		50		17L,013H,15L* 16L*17L
	0J27A		0J17A		2013		59,60		17L
	0J17B		0J16B		2930		63,64		15L
010475		340474		040613		000151		998	
	3J27G		3J12G		2050		12		113L
010603		000000		5015X7		000151		999	
	7J18A		7J33C		2040		30		17L
010605		000001		5015X7		000151		1000	
	2J17D		2J16D		2930		61,62		19L
010605		000200		5015X7		000151		1001	
	7J15A		7J16A		2060		50		110L
010605		040300		5015X7		000151		1002	
	7J18A		7J33C		2040		30		15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010646	2J19A	000000	2J18A	000125	2060	000151	60	1003	013L,15H,16H, 17H
	2J20A		2J14A		2070		56,58,60		17L,013H
	2J17C		2J16C		2050		56,57		111H,112H
010646	1J19A	000000	1J18A	000252	2060	000151	60	1004	013L,15H,16H, 17H
	1J20A		1J14A		2070		56,58,60		17L,013H
	1J17C		1J16C		2050		56,57		111H,112H
010646	7J15F	000000	7J04F	000377	2060	000151	51	1004A	19L,014H,18L* 19L*110L
010646	0J19A	000000	0J18A	052400	2060	000151	60	1005	013L,15H,16H, 17H
	0J20A		0J14A		2070		56,58,60		17L,013H
	0J17C		0J16C		2050		56,57		111H,112H
010646	9J19A	000000	9J18A	125000	2060	000151	60	1006	013L,15H,16H, 17H
	9J20A		9J14A		2070		56,58,60		17L,013H
	9J17C		9J16C		2050		56,57		111H,112H
010646	7J15F	000000	7J04F	177777	2060	000151	51	1007	19L,014H,18L* 19L*110L
010646	2J15D	000001	2J15C	000001	2920	000151	61	1008	I13L
010646	1J28D	000002	1J13D	000000	2020	000151	61	1009	I13L
010646	1J15D	000002	1J15C	000002	2920	000151	61	1010	I13L
010646	2J28C	000004	2J33C	000000	2020	000151	62	1011	I13L
010646	2J15C	000004	2J15B	000004	2920	000151	62	1012	I13L
010646		000010		000000		000151		1013	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STCP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J28C		1J33C		2020		62		I13L
010646		000010		000010		000151		1014	
	1J15C		1J15B		2920		62		I13L
010646		000020		000000		000151		1015	
	2J28B		2J05B		2020		63		I13L
010646		000020		000020		000151		1016	
	2J15B		2J15A		2920		63		I13L
010646		000025		000000		000151		1017	
	2J27C		2J23C		2013		59A,60		I6L,013L*014L* 015L
010646		000025		000125		000000		1018	
	2J27A		2J17A		2013		59,60		I5H,I6H,013H* 014H*015H
010646		000040		000000		000151		1019	
	1J28B		1J05B		2020		63		I13L
010646		000040		000040		000151		1020	
	1J15B		1J15A		2920		63		I13L
010646		000100		000000		000151		1021	
	2J28A		2J02B		2020		64		I13L
010646		000100		000100		000151		1022	
	2J15A		2J15B		2920		64		I13L
010646		000125		000000		000151		1023	
	2J19A		2J18A		2060		60		014L,I8H,I9H, I10H
010646		000125		000125		000151		1024	
	2J14C		2J25C		2070		58		013L,I7H
010646		000200		000000		000151		1025	
	1J28A		1J02B		2020		64		I13L
010646		000200		000200		000151		1026	
	1J15A		1J15B		2920		64		I13L
010646		000252		000000		000151		1027	
	1J27C		1J23C		2013		59,60		I6L,013L*014L* 015L
	1J19A		1J18A		2060		60		014L,I8H,I9H,

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TABLE 2-25. PROGRAM EXECUTION, AJMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I10H
010646	1J27A	000252	1J17A	000252	2013	000151	59,60	102E	15H,16H,013H* 014H*015H 013L,17H
	1J14C		1J25C		2070		58		
010646	3J20C	000377	3J19C	000000	2060	000151	53	102EA	15L
010646	7J15F	000377	7J04F	000000	2060	505751	51	102EB	015H,111L*112L
010646	0J28D	000400	0J13D	000000	2020	000151	61	1029	I13L
010646	0J15D	000400	0J15C	000400	2920	000151	61	1030	I13L
010646	9J28D	001000	9J13D	000000	2020	000151	61	1031	I13L
010646	9J15D	001000	9J15C	001000	2920	000151	61	1032	I13L
010646	0J28C	002000	0J33C	000000	2020	000151	62	1033	I13L
010646	0J15C	002000	0J15B	002000	2920	000151	62	1034	I13L
010646	9J28C	004000	9J33C	000000	2020	000151	62	1035	I13L
010646	9J15C	004000	9J15B	004000	2920	000151	62	1036	I13L
010646	0J28E	010000	0J05E	000000	2020	000151	63	1037	I13L
010646	0J15B	010000	0J15A	010000	2920	000151	63	1038	I13L
010646	9J28B	020000	9J05B	000000	2020	000151	63	1039	I13L
010646	9J15B	020000	9J15A	020000	2920	000151	63	1040	I13L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
010646		040000		000000		000151		1041	
	OJ28A		OJ02B		2020		64		I13L
010646		040000		040000		000151		1042	
	OJ15A		OJ15B		2920		64		I13L
010646		052400		000000		000151		1043	
	OJ27C		OJ23C		2013		59A,60		I6L,013L*014L* 015L
	OJ19A		OJ18A		2060		60		014L,I8H,I9H, I10H
010646		052400		052400		000151		1044	
	OJ27A		OJ17A		2013		59,60		I5H,I6H,013H* 014H*015H
	OJ14C		OJ25C		2070		58		013L,I7H
010646		100000		000000		000151		1045	
	9J28A		9J02B		2020		64		I13L
010646		100000		100000		000151		1046	
	9J15A		9J15B		2920		64		I13L
010646		125000		000000		000151		1047	
	9J27C		9J23C		2013		59,60		I6L,013L*014L* 015L
	9J19A		9J18A		2060		60		014L,I8H,I9H, I10H
010646		125000		125000		000151		1048	
	9J14C		9J25C		2070		58		013L,I7H
010646		177777		000000		000151		1049	
	3J20C		3J19C		2060		45		I5L
010646		177777		000000		505751		1050	
	7J15F		7J04F		2060		51		015H,I11L*I12L
010722		5011X7		5011X7		000151		1051	
	7J20D		7J19D		2013		37		I9L
	3J16C		3J33C		2050		48,53		I11H,I12H
010755		5011X7		017101		000151		1052	
	8J02B		8J06B		2070		24,25		I9L,014H
	3J07E		3J08E		2920		24		015L,I5H,I6H, I7H
	8J14A		8J15A		2000		114		I11H,I12H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	AL	CE	SYMPTOM	FAULT
		SWAP	TYPE	PLATE		
011002	5011X7	017101	557752		1053	
	1J2EF	1J29F	2040	67		015L, I11H, I12H, I13H, I14H
	1J12D	1J02D	2070	57, 58, 65		I5L, 011H
	1J14A	1J11A	2070	66, 69		I10L, 015H
	1J29E	1J25D	2070	57, 58, 67		I5L, 011H
	7J13A	7J09A	2050	50		09L, I7H, I8H
	7J14A	7J12A	2900	50		I5L
011002	5011X7	017103	000151		1054	
	8J34D	8J33D	3780	129		I10L
011217	777700	000000	000151		1055	
	3J03G	3J06G	2040	18		I10L
011220	777700	000000	000151		1056	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.						
	8J15D	8J12D	2013	24		I7L, I7H, I8H, I9H, 010H*011H*012H
	8J02B	8J06B	2070	24, 25		I5L, 011H
	3J07C	3J05C	2920	24		015L, I11H, I12H, I13H, I14H
	8J24A	8J19A	2000	122		I9H, I10H
	8J32D	8J31D	3780	129		I10L
	8J33D	8J34D	3780	129		I10L
	3J08B	3J07B	2060	23, 47, 19		I7L
	3J31B	3J24B	2060	03, 13, 03		I6L
	7J02B	7J15B	2060	22, 23, 49		I12L
	7J04F	7J03F	2060	51, 134		I12L
	3J08A	3J10A	2050	17, 23		I8L
011220	777700	505640	000151		1057	
	3J23C	3J21C	2060	41, 44		I9L
	3J24B	3J23B	2060	41, 15		I7L
011231	017072	000077	010763		1057A	
	3J29D	3J27D	2013	12, 13		I7L
011231	017072	000277	010763		1058	
	3J29D	3J27D	2013	12, 13		I7L
011232	000000	000075	000006		1058A	
	7J32E	7J13E	2050	07, 52		010L, I11H, I12H
011232	000000	000075	000151		1058B	
	7J15C	7J09C	2013	49		I7H, I8H, I9H 010H*011H*012H

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TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J17C		7J26C		2900		52		15H,06H*08L 06H
	7J16D		7J09D		2060		49		18L,19L,014H 18L*19L*110L
	7J04F		7J03F		2060		51,134		015H,111L*112L
011232	7J04F	000000	7J03F	000075	2060	010764	51,134	10580	111L
011232	7J02B	000000	7J15B	000075	2060	515764	22,23,49	10580	16L
011232	7J32E	000000	7J13E	000077	2050	000006	07,52	1059	010L,111H,112H
011232	7J15C	000000	7J09C	000077	2013	000151	49	1060	17H,18H,19H, 010H*011H*012H 15H,06H*08L,06H 18L,19L,014H, 18L*19L*110L 015H,111L*112L
011232	7J17C		7J26C		2900		52		15H,06H*08L,06H
	7J16D		7J09D		2060		49		18L,19L,014H, 18L*19L*110L
	7J04F		7J03F		2060		51,134		015H,111L*112L
011232	7J04F	000000	7J03F	000077	2060	010764	51,134	1061	111L
011232	7J02B	000000	7J15B	000077	2060	515764	22,23,49	1062	16L
011232	7J17G	017101	7J13G	000037	2050	010764	49,51	1062A	15L,17L,09H 15L*16L,17L* 18L 15L,013H,15L* 16L*17L
	7J30F		7J23F		2060		34		015L,110H 111H,112H
	7J29F		7J31E		2070		34,54,134		
	8J15E		8J16E		2000		114		
011232	3J23D	017101	3J21D	000037	2060	011046	40	1062B	18L
011232	7J15E	017101	7J04E	000057	2060	010764	51,107	1062C	111L,015H,111L* 112L 111H,112H
	8J15C		8J17C		2000		114		
011232	8J15B	017101	8J14B	000067	2000	010764	114	1062D	111H,112H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
011232	8J14B	017101	8J15B	000073	2000	010764	114	1062E	I11H, I12H
011232	7J16C 8J16E 8J15A	017101	7J03C 8J15E 8J14A	000075	2070 2000 2000	010764	50,51 114 114	1062F	I10L, C15H I11H, I12H I11H, I12H
011232	7J16C	017101	7J03C	000077	2070	000151	50,51	1062G	015L, I10H
011232	7J15E 8J15C	017101	7J04E 8J17C	000077	2060 2000	011046	51,107 114	1062H	015L, I11H, I12H I12L
011232	7J17G 8J15E	017101	7J13G 8J16E	000077	2050 2000	011130	49,51 114	1062I	09L, I7H, I8H I12L
011232	8J35D	017102	8J34D	000076	3780	010764	129	1062J	I10L
011232	7J16C 8J16E 3J07E 8J02B 8J33D 3J28F 3J30E 8J14A 8J14B 8J15A 8J15B	017101	7J03C 8J15E 3J08E 8J06E 8J32D 3J24F 3J28E 8J17A 8J17B 8J17A 8J17B	000077	2070 2000 2920 2070 3780 2900 2900 2000 2000 2000 2000	010764	50,51 114 24 24,25 129 12 13 114 114 114 114	1063	I10L, C15H I11H, I12H I6L, I12L, C15H I11L*I12L*I13L I5L*I6L*I7L I6L*I9L*I10L 014L, I9H I5L I10L I10L I12L I12L I12L I12L
011232	7J17G 7J30F 7J29F 8J15E	017101	7J13G 7J23F 7J31E 8J16E	000237	2050 2060 2070 2000	010764	49,51 34 34,54,134 114	1064	I5L, I7L, 09H, I5L* I6L, I7L*I8L I5L, 013H, I5L* I6L*I7L 015L, I10H I11H, I12H
011232		017101		000237		011046		1065	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	3J23D		3J21D		2060	40		I8L
011232	017101		000257		010764		1066	
	7J15E		7J04E		2060	51,107		I11L,015H,I11L* I12L
	8J15C		8J17C		2000	114		I11H,I12H
011232	017101		000267		010764		1067	
	8J15B		8J14B		2000	114		I11H,I12H
011232	017101		000273		010764		1068	
	8J14B		8J15B		2000	114		I11H,I12H
011232	017101		000275		010764		1069	
	8J15A		8J14A		2000	114		I11H,I12H
011232	017101		000277		000151		1070	
	7J16C		7J03C		2070	50,51		O15L,I10H
011232	017101		000277		010764		1071	
	3J07E		3J08E		2920	24		I6L,I12L,015H, I11L*I12L*I13L, I5L*I6L*I7L,I8L* I9L*I10L
	8J02B		8J06B		2070	24,25		O14L,I9H
	8J33D		8J32D		3780	129		I5L
	3J28F		3J24F		2900	12		I10L
	3J30E		3J28E		2900	13		I10L
	8J14A		8J17A		2000	114		I12L
	8J14B		8J17B		2000	114		I12L
	8J15A		8J17A		2000	114		I12L
	8J15B		8J17B		2000	114		I12L
	8J16E		8J15E		2000	114		I12L
011232	017101		000277		011046		1072	
	7J15E		7J04E		2060	51,107		O15L,I11H,I12H
	8J15C		8J17C		2000	114		I12L
011232	017101		000277		011130		1073	
	7J17G		7J13G		2050	49,51		O9L,17H,I8H
	8J15E		8J16E		2000	114		I12L
011232	017102		000276		010764		1074	
	8J35D		8J34D		3780	129		I10L
011351	000000		5023X7		000151		1075	
	3J26A		3J25A		2013	14		I5H,I6H,013H* O14H*015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
011352		000000		5023X7		000000		1076	
	7J03A		7J21A		2020		106		I14L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	7J04D		7J03D		2013		23, 106		I5H, I6H
	3J07E		3J08E		2920		24		I9L, I13L, I11H, I12H, I13H, I14H
	9J29E		9J25D		2070		57, 58, 67		I7L, 013H
	8J05G		7J02E		2160		106		I12L, 015H, I6L* I7L*I8L*I9L* I10L*I11L*I12L* I13L
	9J30F		9J29F		2040		67		015L, I5H, I6H
	7J13B		7J23E		2050		50		I5H, I6H
	7J18B		7J19A		2030		53		I9L, I13L
	7J12B		7J02A		2160		106, 107		014L, I5H
	8J10A		8J04A		2040		106		015L

011352		000000		5023X7		000151		1077	
	3J27C		3J26C		2060		14		I5L, 013H, I5L* I6L*I7L
	7J17B		7J14B		2900		52		I7L*I5L*I14L, I10L*I12L*I9L
	3J26A		3J25A		2013		14		I5H, I6H, 013H* 014H*015H

011352		000000		5023X7		307712		1078	
	7J13A		7J09A		2050		50		I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	7J16B		7J15B		2060		50		013L, I5H, I6H, I7H
	3J07C		3J05C		2920		24		I8H, I9H, I10H
	3J06E		3J04E		2060		24, 19		I5L*I6L*I7L

011352		000000		5023X7		307721		1079	
	7J15E		7J04E		2060		51, 107		I6L, 013H, I5L* I6L*I7L
	7J16C		7J03C		2070		50, 51		012L, I6H

011352		000000		5023X7		503400		1080	
	7J17B		7J14B		2900		52		I5L, 06L*08H, 08H
	7J17E		7J15E		2060		52		013L, I5H, I6H, I7H
	7J30E		7J29E		2060		07, 52		I8L, 014H, I8L* I9L*I10L
	7J16F		7J19E		2070		10, 49, 50, 54		015L, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J15A		7J16A		2060		50		015H, I11L*I12L
	7J17D		7J16D		2060		52		013H, I5L*I6L* I7L
	7J13B		7J23B		2050		50		09L

011357		400000		5057X7		000151		1081	
	3J26A		3J25A		2013		14		17H, 18H, 19H, 010H*011H*012H
	3J27D		3J25D		2013		12		15H, 16H

011361*		400000		505701		017102		1082	
	3J11D**		3J33D		2020		28		15L, I6L, I9L, I13H, I14H, I15H, 011L*012H, I5L* I6L*I7L, I8L*I9L* I10L, 012H
	1J14B**		1J27B		2013		58, 70		18L, 010L*011L* 012L
	3J23G**		3J20G		2070		14, 41, 44, 46		012L, 16H
	1J13C**		1J12C		2130		68		110L
	1J30E**		1J31E		2040		69		18L

011361		400000		505702		017101		1083	
	2J30E		2J31E		2040		69A		110L

011361		400000		505703		017102		1084	
	1J11C		1J10C		2130		68		110L
	1J08D		1J04D		2020		68		19L
	1J13D		1J28D		2020		68		19L
	1J30E		1J31E		2040		69		110L

011361		400000		505704		017101		1085	
	2J30E		2J31E		2040		69A		112L

011361		400000		505705		017102		1086	
	1J30L		1J31E		2040		69		112L

011361		400000		505706		017101		1087	
	2J30E		2J31E		2040		69A		114L

011361		400000		505707		307712		1088	
	1J01C		1J23C		2013		66		17H, 18H, 19H, 010H*011H*012H
	1J04B		1J02B		2020		69		114L, 15H, 16H, 17H, 011H*012L, I13L*I14L*I15L, 011H
	1J05B		1J21B		2020		69		114L, 15H, 16H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I7H,011H*012L, I13L*I14L*I15L, 011H
	1J30G		1J35D		2930		69,70		I9H,013H*015L, I7L*I14L,013H
	1J30E		1J31E		2040		69		I5L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	1J06B		1J07B		2060		66,69		013L,I5H,I6H, I7H
	1J12D		1J02D		2070		57,58,65		I7L,013H
	1J16F		1J12F		2070		58,60,69		I6L,012H
	1J03B		1J02B		2020		69		I8H,I9H,I10H
	1J01E		1J27D		2013		06		I6H
	1J09D		1J27D		2013		58		I5L

011361		400000		505710		307712		1089	
	OJ30E		OJ31E		2040		69A		I8L

011361		400000		505711		307712		1090	
	9J30E		9J31E		2040		69		I8L

011361		400000		505712		307712		1091	
	OJ30E		OJ31E		2040		69A		I10L

011361		400000		505713		307712		1092	
	9J30E		9J31E		2040		69		I10L

011361		400000		505714		307712		1093	
	OJ30E		OJ31E		2040		69A		I12L

011361		400000		505715		307712		1094	
	9J30E		9J31E		2040		69		I12L

011361		400000		505716		307712		1095	
	OJ01C		OJ23C		2013		06		I7H,I8H,I9H, 010H*011H*012H
	OJ04B		OJ05B		2020		69A		I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	OJ30E		OJ31E		2040		69A		I5L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	OJ01E		OJ27D		2013		06		I5H,I6H
	OJ06B		OJ07B		2060		66,69,69A		013L,I5H,I6H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J12D		0J02D		2070		57,58,65A		I7H
	0J16F		0J12F		2070		58,60,69A		I7L,013H
	0J03B		0J02B		2020		69A		I6L,012H
									I8H,I9H,I10H

011361		400000		5057X7		000151		1096	
	7J09C		7J15C		2013		14		I5H,I6H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	9J01C		9J23C		2013		06		I7H,I8H,I9H, 010H*011H*012H
	9J04B		9J05B		2020		69		I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	7J26B		7J20E		2930		34		I9L,013L*015H, I9L*I10L,015H
	9J30E		9J31E		2040		69		I5L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L I10L*I12L,08H* 06L,08H
	7J23D		7J20E		2930		34		I12L,I13L*I14L I10L*I12L,08H* 06L,08H
	9J01E		9J27D		2013		06		I5H,I6H
	3J28B		3J30B		2900		12		I12H,06H*08L, 06H
	7J19B		7J16B		2060		53		013L,I5H,I6H, I7H
	9J06B		9J07B		2060		66,69		013L,I5H,I6H, I7H
	3J27C		3J26C		2060		14		I8L,014H,I8L* I9L*I10L
	7J17E		7J15E		2060		52		I9L,014H,I8L* I9L*I10L
	3J03C		3J06C		2070		07,11,21,18		014L,I9H
	3J16G		3J14G		2070		09,35,9,48		I6L,012H
	9J12D		9J02D		2070		57,58,65		I7L,013H
	9J16F		9J12F		2070		58,60,69		I6L,012H
	9J03B		9J02B		2020		69		I8H,I9H,I10H
	7J03F		7J02F		2060		26,35		013H,I5L*I6L* I7L

011426		000000		505703		307712		1097	
	6J32B		6J31B		0400		140		I18H

011453		400000		504700		000000		1098	
	3J27B		3J20B		2070		14,15		011L,I5H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTUM	FAULT
LOC	SWAP	TYPE	PLATE		
C11453	400000	504700	017104	1099	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.					
2J13D	2J08D	2020	68		I5L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
2J09A	2J07A	2060	65A,66,69A		013L,15H,16H, I7H
2J11A	2J14A	2070	56,57,60,66,69A		I10L,015H
2J14C	2J25C	2070	58		012L,16H
2J16F	2J12F	2070	58,60,69A		011L,15H
2J33B	2J28B	2020	64		I8H,I9H,I10H
2J33C	2J28C	2020	63		I8H,I9H,I10H
2J33D	2J28D	2020	62		I8H,I9H,I10H
2J33E	2J28A	2020	61		I8H,I9H,I10H
7J17G	7J13G	2050	49,51		010L,I11H,I12H
7J16F	7J15F	2060	28,49		I6L
2J15A	1J15D	2920	64		I10L
2J15B	1J15D	2920	63		I10L
2J15C	3J02A	2920	62		I10L
2J15D	3J02A	2920	61		I10L

C11453	400000	504700	307712	1100	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.					
0J13D	0J08D	2020	68		I5L,I8L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
1J13D	1J28D	2020	68		I5L,I8L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
9J13D	9J08D	2020	68		I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
1J08D	1J04D	2020	68		I13H,I14H,I15H, 011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
0J09A	0J07A	2060	65A,66,69A		013L,15H,16H, I7H
1J09A	1J07A	2060	65,66,69		013L,15H,16H, I7H
9J09A	9J07A	2060	65,66,69		013L,15H,16H, I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AINAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	SYMPTOM	PLATE	FAULT
	0J11A		0J14A		2070		56,57,60,66,69A		110L,015H
	0J14C		0J25C		2070		58		012L,16H
	0J16F		0J12F		2070		58,60,69A		011L,15H
	1J11A		1J14A		2070		56,57,60,66,69		110L,015H
	1J14C		1J25C		2070		58		012L,16H
	1J16F		1J12F		2070		58,60,69		011L,15H
	9J11A		9J14A		2070		56,57,60,66,69		110L,015H
	9J14C		9J25C		2070		58		012L,16H
	9J16F		9J12F		2070		58,60,69		011L,15H
	0J33B		0J28B		2020		64		18H,19H,110H
	0J33C		0J28C		2020		63		18H,19H,110H
	0J33D		0J28D		2020		62		18H,19H,110H
	0J33E		0J28A		2020		61		18H,19H,110H
	1J33B		1J28B		2020		64		18H,19H,110H
	1J33C		1J28C		2020		63		18H,19H,110H
	1J33D		1J28D		2020		62		18H,19H,110H
	1J33E		1J28A		2020		61		18H,19H,110H
	9J33B		9J28B		2020		64		18H,19H,110H
	9J33C		9J28C		2020		63		18H,19H,110H
	9J33D		9J28D		2020		62		18H,19H,110H
	9J33E		9J28D		2020		61		18H,19H,110H
	8J08D		8J07D		2013		21		15L
	8J10A		8J04A		2040		106		15L,17L,110L
	8J14A		8J15A		2060		114		19L,111L
	3J02D		3J31D		2050		16,45		111H,112H
	8J35E		8J34B		3760		130		110L
	8J08A		8J09A		2900		118		110L
	1J15C		2J15A		2920		62		16L,110L
	1J15D		2J15A		2920		61		16L,110L
	3J20C		3J19C		2060		45		110L
	3J27C		3J26C		2060		14		112L
	3J12B		3J09B		2020		27		16L
	8J10B		8J10C		2040		106		114L
	0J15A		2J15A		2920		64		110L
	0J15B		2J15A		2920		63		110L
	0J15C		2J15A		2920		62		110L
	0J15D		2J15A		2920		61		110L
	1J15A		2J15A		2920		64		110L
	1J15B		2J15A		2920		63		110L
	9J15A		8J13G		2920		64		110L
	9J15B		8J13G		2920		63		110L
	9J15C		8J13G		2920		62		110L
	9J15D		8J13G		2920		61		110L

011453 400000 504700 307777 1101
 8J24B 8J22A 2013 122 15L

011464 400000 000000 000021 1102

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J02D		3J31D		2050		16,25		I12L

011464		400000		000000		017104		1103	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	2J27G		2J26D		2060		69A		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, I12H
	2J03A		2J16A		2013		68		I7H,18H,19H, 010H*011H*012H
	2J09D		2J27D		2013		58		15H,16H,013L* 014L*015L,013H* 014H*015H
	2J23C		2J27C		2013		06		I7H,18H,19H, 010H*011H*012H
	2J07D		2J06D		2900		68		19H,112H,06H* 06L,013H*015L, 06H,013H
	2J11D		2J03E		2900		68		19H,112H,06H* 08L,013H*015L, 06H,013H
	2J02B		2J03B		2020		69A		I13L,115L,15H, 16H,17H,011H* 012L,113L*114L* I15L,011H
	2J01C		2J27C		2013		06		I7L,010L*011L* 012L
	2J01E		2J27D		2013		06		I7L,010L*011L* 012L
	2J10D		2J21D		2060		58,68		I11L,112L,015H, I11L*112L
	2J26B		2J21B		2060		63,69A		015L,111H,112H
	2J14C		2J35A		2070		58		011L,15H
	2J25A		2J20A		2070		61,64		I10L,015H
	2J25B		2J35A		2070		62,63		I10L,015H
	2J25C		2J02D		2070		62,63		I10L,015H
	2J25D		2J12D		2070		61,64		I10L,015H
	2J15A		1J15D		2920		64		I6L
	2J15B		1J15D		2920		63		I6L
	2J15C		3J02A		2920		62		I6L
	2J15D		3J02A		2920		61		I6L

011464		400000		000000		307712		1104	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	0J27G		0J26D		2060		69A		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J27G		1J26D		2060		69		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
	9J27G		9J26D		2060		69		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
	0J09D		0J27D		2013		58		15L,15H,16H, 013L*014L*015L, 013H*014H*015H
	9J09D		9J27D		2013		58		15L,15H,16H, 013L*014L*015L, 013H*014H*015H
	0J03A		0J16A		2013		68		17H,18H,19H, 010H*011H*012H
	0J23C		0J27C		2013		06		17H,18H,19H, 010H*011H*012H
	1J01E		1J27D		2013		06		15L,17L,010L* 011L*012L,013L* 014L*015L
	1J03A		1J16A		2013		68		17H,18H,19H, 010H*011H*012H
	1J09D		1J27D		2013		58		15H,16H,013L* 014L*015L,013H* 014H*015H
	1J23C		1J27C		2013		06		17H,18H,19H, 010H*011H*012H
	7J09E		7J31D		2013		14		16L,15H,16H, 013H*014H*015H
	9J03A		9J16A		2013		68		17H,18H,19H, 010H*011H*012H
	9J23C		9J27C		2013		06		17H,18H,19H, 010H*011H*012H
	0J07D		0J06D		2900		68		19H,112H,06H* 08L,013H*015L, 06H,013H
	0J11D		0J03E		2900		68		19H,112H,06H* 08L,013H*015L, 06H,013H
	1J07D		1J06D		2900		68		19H,112H,06H* 08L,013H*015L, 06H,013H
	1J11D		1J03E		2900		68		19H,112H,06H* 08L,013H*015L, 06H,013H
	9J07D		9J06D		2900		68		19H,112H,06H* 08L,013H*015L,

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J11D		9J03E		290C		68		06H,013H I9H,I12H,06H* 08L,013H*015L, 06H,013H
	7J03A		7J21A		202D		106		I8L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	0J02B		0J03B		202D		69A		I13L,I15L,I5H, I6H,I7H,011H* 012L,I13L*I14L* I15L,011H
	1J02B		1J04B		202D		69		I13L,I15L,I5H, I6H,I7H,011H* 012L,I13L*I14L* I15L,011H
	9J02B		9J03B		202D		69		I13L,I15L,I5H, I6H,I7H,011H* 012L,I13L*I14L* I15L,011H
	8J10C		8J04A		204D		106		I5L,I7L,I10L, I12L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	8J10D		8J10G		204D		106		I5L,I8L,I10L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	8J10E		8J10G		204D		106		I6L,I7L,I10L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	8J10F		8J10G		204D		106		I6L,I7L,I10L, I11L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
	8J05G		7J02E		216D		106		015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H
	8J10B		8J04A		204D		106		I6L,I7L,I10L, I11L,015H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LUC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J19C		7J22C		2060		53		I13L*I14L I11L,015L,I11H, I12H,015H,I11L* I12L
	7J09G		7J03B		2070		36,53		19L,014L,I9H, 014H
	8J10A		8J04A		2040		106		I12L,I13L,015H, 15L*I6L,I7L*I8L, 19L*I10L,I11L* I12L,I13L*I14L
	0J01C		0J27C		2013		06		17L,010L*011L* 012L
	0J01E		0J27D		2013		06		17L,010L*011L* 012L
	1J01C		1J27C		2013		06		17L,010L*011L* 012L
	9J01C		9J27C		2013		06		17L,010L*011L* 012L
	9J01E		9J27D		2013		06		17L,010L*011L* 012L
	8J09G		8J07G		2050		106,120		16L,I7L,09H,I5L* 16L,I7L*I8L
	0J10D		0J21D		2060		58,c8		111L,I12L,015H, I11L*I12L
	1J10D		1J21D		2060		58,68		111L,I12L,015H, I11L*I12L
	9J10D		9J21D		2060		58,68		111L,I12L,015H, I11L*I12L
	0J26E		0J21B		2060		63,c9A		015L,I11H,I12H
	1J26E		1J21B		2060		63,c9		015L,I11H,I12H
	9J26E		9J21B		2060		63,c9		015L,I11H,I12H
	0J14C		0J35A		2070		58		011L,I5H
	0J25A		0J20A		2070		61,c4		110L,015H
	0J25E		0J35A		2070		62,c3		110L,015H
	0J25C		0J02D		2070		62,c3		110L,015H
	0J25D		0J12D		2070		61,c4		110L,015H
	1J14C		1J35A		2070		58		011L,I5H
	1J25A		1J20A		2070		61,c4		110L,015H
	1J25E		1J35A		2070		62,c3		110L,015H
	1J25C		1J02D		2070		62,c3		110L,015H
	1J25D		1J12D		2070		61,c4		110L,015H
	7J03G		7J29F		2070		26,35,53		15L,011H
	9J14C		9J35A		2070		58		011L,I5H
	9J25A		9J20A		2070		61,c4		110L,015H
	9J25E		9J35A		2070		62,c3		110L,015H
	9J25C		9J02D		2070		62,c3		110L,015H
	9J25D		9J12D		2070		61,c4		110L,015H
	7J04D		7J03D		2013		23,106		015L*014L*015L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J06E		3J04E		2060		24,19		I5L,I6L
	8J34C		8J33C		3780		129		I10L
	7J12B		7J02A		2160		106,107		I5L,014H
	7J18A		7J33C		2040		30		I9L,I11L
	3J02B		3J06B		2060		21,18		I10L
	3J02C		3J04C		2060		30,15,21		I&L
	1J03B		1J04B		2020		69		I&L
	8J06D		7J25F		2220		34,107		I11H
	0J15A		1J15C		2920		64		I&L
	0J15B		1J15C		2920		63		I&L
	0J15C		1J15C		2920		62		I&L
	0J15D		1J15C		2920		61		I&L
	1J15A		1J15C		2920		64		I&L
	1J15B		1J15C		2920		63		I&L
	3J09A		3J07A		2920		23		I&L
	9J15A		8J13G		2920		64		I&L
	9J15B		8J13G		2920		63		I&L
	9J15C		8J13G		2920		62		I&L
	9J15D		8J13G		2920		61		I&L
	7J34A		7J33A		2030		65		011H

011464		400000		000000		307753		1105	
	7J23D		7J26B		2930		34		I12L

011524		000000		011350		000000		1106	
	7J14A		7J12A		2900		50		06L*0&H,08H

011524		000000		011437		000000		1107	
	8J10A		8J04A		2040		106		I11L,I14L

011524		000000		011437		000077		1108	
	8J10C		8J10B		2040		106		I6L,I11L,I14L
	8J10D		8J10E		2040		106		I13L

011524		000000		011437		140000		1109	
	8J10B		8J10C		2040		106		I5L,I&L,I9L, I12L,I13L
	8J10D		8J10C		2040		106		I9L,I12L
	8J10A		8J04A		2040		106		I&L
	8J10E		8J10C		2040		106		I5L
	8J10F		8J10G		2040		106		I14L

011524		000016		011437		000000		1110	
	8J10F		8J10E		2040		106		I5L,I&L,I9L, I12L
	8J09G		8J07G		2050		106,120		I5L,I&L
	2J13D		2J08D		2020		68		I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
011524	8J10E	000016	8J10F	011437	2040	140000	106	1111	I8L,I9L,I12L, I13L
	8J10A		8J04A		2040		106		I8L,I9L
	8J10C		8J10B		2040		106		I8L,I9L
	8J10D		8J10B		2040		106		I6L,I7L

011627	7J15E	400000	7J04E	5022x7	2060	000000	51,107	1112	15L

011671	2J32C	017002	2J27C	017102	2013	017102	60,69A	1113	I5L,013L*014L* 015L

011671	1J08D	017102	1J04D	017102	2020	000000	68	1114	I14L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	9J13D		9J08D		2020		68		I14L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
	0J13D		0J08D		2020		68		I8H,I9H,I10H, 011H*012L,I13L* I14L*I15L,011H
	1J13D		1J28D		2020		68		I8H,I9H,I10H, 011H*012L,I13L* I14L*I15L,011H
	0J32C		0J27C		2013		60,69A		I5L,013L*014L* 015L
	9J32C		9J27C		2013		60,69		I5L,013L*014L* 015L
	0J06B		0J07B		2060		66,69,69A		014L,I8H,I9H, I10H
	1J06B		1J07B		2060		66,69		014L,I8H,I9H, I10H
	9J06B		9J07B		2060		66,69		014L,I8H,I9H, I10H
	0J26A		0J21A		2060		60,64		015L,I11H,I12H
	9J26A		9J21A		2060		60,64		015L,I11H,I12H
	0J14A		0J11A		2070		65A,66,69		I6L,012H
	1J14A		1J11A		2070		66,69		I6L,012H
	9J14A		9J11A		2070		65,69,66		I6L,012H
	0J28A		0J02B		2020		64		I8H,I9H,I10H
	0J28B		0J05B		2020		63		I8H,I9H,I10H
	0J28C		0J33C		2020		62		I8H,I9H,I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J28D		0J33D		2020		61		I8H, I9H, I10H
	1J28A		1J02B		2020		64		I8H, I9H, I10H
	9J28A		9J02B		2020		64		I8H, I9H, I10H
	9J28E		9J05B		2020		63		I8H, I9H, I10H
	9J28C		9J33C		2020		62		I8H, I9H, I10H
	9J28D		9J33D		2020		61		I8H, I9H, I10H
	1J32C		1J27C		2013		60, 69		I5L
	7J09D		7J16D		2060		28, 51, 53		015H, I11L* I12L
	8J31C		8J32C		3780		130		I10L
	8J33B		8J32B		3780		130		I10L

011671		017102		017102		000577		1114A	
	7J09D		7J16D		2060		51		015H

011671		017102		017102		017102		1115	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	√2J13D		2J08D		2020		68		I8H, I9H, I10H, 011H*012L, I13L* I14L* I15L, 011H
	√2J06B		2J07B		2060		66, 69, 69A		014L, I8H, I9H, I10H
	√2J26A		2J21A		2060		60, 64		015L, I11H, I12H
	√2J14A		2J11A		2070		65A, 66, 69		I6L, 012H
	1J28E		1J05B		2020		63		I8H, I9H, I10H
	1J28C		1J33C		2020		62		I8H, I9H, I10H
	1J28D		1J13D		2020		61		I8H, I9H, I10H
	√2J28A		2J02B		2020		64		I8H, I9H, I10H
	2J28B		2J05B		2020		63		I8H, I9H, I10H
	2J28C		2J33C		2020		62		I8H, I9H, I10H
	2J28D		2J33D		2020		61		I8H, I9H, I10H
	8J33B		8J32B		3780		130		I5L
	8J34B		8J35B		3780		130		I5L

011671		017102		017102		501200		1116	
	8J35B		8J34B		3780		130		I5L

011751		400000		407107		503000		1117	
	3J11A		3J06A		2060		27, 30		014L, I8H, I9H, I10H
	3J14A		3J12A		2070		08, 27, 107		I5L, 011H
	3J12B		3J09B		2020		27		I5H, I6H, I7H

012026		400000		407105		000711		1118	
	8J06D		7J25F		2220		34, 107		I10H

012041		407105		407101		060711		1119	
	7J20E		7J24E		2930		34, 35		I7L, I11L, I9H, 013H*015L, I7L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	8J06D		7J25F		2220		34,107		114L,013H 110L,111L,112L, 015H,110L*111L* 112L
	3J15G		3J05G		2060		55,35,34		015L,111H,112H
012041	407105		407105		060711			1120	
	7J18B		7J19A		2030		53		16L,115L
012041	407105		777777		060711			1121	
	3J26A		3J25A		2013		14		19L
012120	012057		307712		060711			1122	
	3J27A		3J18A		2060		13,25,33		015L,111H,112H
	8J02A		8J11B		2060		21,25,54		111L
012123	012060		000041		407077			1123	
	3J30A		3J29A		2020		13		114L
012130	012057		000040		060711			1124	
	3J07E		3J08E		2920		24		18H,19H,110H
	3J27A		3J18A		2060		13,25,33		111L
	7J30F		7J23F		2060		34		16L
012130	012057		000060		060711			1125	
	3J20G		3J16G		2070		8,45		17L,013H
012130	012065		000041		000000			1126	
	3J08E		3J07E		2920		22		17L
012130	012065		000041		000141			1127	
	7J17C		7J26C		2900		52		111L,013L*015H, 17L*15L*114L, 110L*112L*19L, 015H
	7J17E		7J15E		2060		52		015L,111H,112H
012130	012065		000041		000151			1128	
	7J16D		7J09D		2060		49		014L,18H,19H, 110H
	7J17D		7J22D		2060		52		014H,18L*19L* 110L
012130	012065		000041		060711			1129	
	7J12D		7J11D		2013		22		17H,18H,19H, 010H*011H*012H
	7J02G		7J13G		2050		22		15H,16H,113H, 114H,115H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J03C		7J16C		2070		22,23		110L,015H
	7J19E		7J16E		2070		35,36,52		17L,013H
	3J08E		3J07E		2920		22		015L,15H,16H, 17H
	7J12F		7J11F		2000		104		111H,112H
	3J27A		3J18A		2060		13,25,33		112L
	3J27C		3J26C		2060		14		110L
	7J02A		7J12B		2160		22		110L
	3J09A		3J07A		2920		23		113L

012130		012065		000041		502600		1130	
	3J08F		3J22F		2070		16,52,33,12		110L,015H
	3J02D		3J31D		2050		16,25		15H,16H

012130		012065		000042		060711		1131	
	7J15B		7J02B		2060		50		111L,015H,111L* 112L
	7J27G		7J26G		2050		55		09L,15H,16H
	7J11G		7J10G		2000		104		112L

012130		012065		000044		060711		1132	
	7J27G		7J26G		2050		55		010L,111H,112H
	7J12G		7J11G		2000		104		112L

012130		012065		000046		060711		1133	
	7J03B		7J05B		2070		22		015L,110H

012130		012065		000050		060711		1134	
	7J26G		7J19G		2050		54,55		010L,111H,112H
	7J10F		7J08F		2000		104		112L

012130		012065		000056		060711		1135	
	7J03B		7J05B		2070		22		19L,014H

012130		012065		000060		060711		1136	
	7J11F		7J10F		2000		104		112L

012130		012065		000061		060711		1137	
	3J06E		3J04E		2060		24,19		15H,16H,17H

012130		012065		000240		060711		1138	
	7J11E		7J10E		2000		104		112L

012171		000000		5026X7		060711		1139	
	7J24E		7J20E		2930		54		19L,112L,110L* 112L,05H*06L, 013L*015H,19L* 110L,08H,015H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J28D		7J18C		2030		34,54		010L,15H,16H, 17H,18H,19H
	3J08F		3J22F		2070		16,52,33,12		19L,014H
	7J16E		7J19E		2070		10,49,50,54		19L,014H
	7J25E		7J22E		2020		54		011H*012L,113L* 114L*115L,011H
	7J25F		4J35C		2220		54		014L,015L,16H
	3J26G		3J11G		2040		12		17H,18H

012173		000000		502600		607707		1140	
	1J29D		1J20D		2930		61,62		17H

012173		000000		502601		607707		1141	
	2J29D		2J20D		2930		61,62		15H

012173		000000		502602		607707		1142	
	1J29D		1J20D		2930		61,62		15H

012173		000000		502603		607707		1143	
	2J29B		2J20B		2930		63,64		17H

012173		000000		502604		607707		1144	
	1J29B		1J20B		2930		63,64		17H

012173		000000		502605		607707		1145	
	2J29C		2J20C		2050		56		15L,17L,09H,15L* 16L,17L*18L
	2J12F		2J16F		2070		56,57		012L,16H
	2J29B		2J20B		2930		63,64		15H

012173		000000		502606		000141		1145A	
	7J02B		7J15B		2060		49		013H

012173		000000		502606		060711		1146	
	1J29C		1J20C		2050		56		15L,17L,09H,15L* 16L,17L*18L
	1J12F		1J16F		2070		56,57		012L,16H
	1J29B		1J20B		2930		63,64		15H

012173		000000		502607		060711		1147	
	0J29D		0J20D		2930		61,62		17H

012173		000000		502610		060711		1148	
	9J29D		9J20D		2930		61,62		17H

012173		000000		502611		060711		1149	
	0J29D		0J20D		2930		61,62		15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012173	9J29D	000000	9J20D	502612	2930	060711	61,62	1150	15H
012173	0J29B	000000	0J20B	502613	2930	060711	63,64	1151	17H
012173	9J29B	000000	9J20B	502614	2930	060711	63,64	1152	17H
012173	0J29C	000000	0J20C	502615	2050	060711	56	1153	15L,17L,09H,15L* 16L,17L*18L
	0J12F		0J16F		2070		56,57		012L,16H
	0J29B		0J20B		2930		63,64		15H
012173	9J29B	000000	9J20B	5026X6	2930	060711	63,64	1154	19L,110L,15H, 110L*112L,08H* 06L,19L*110L, 08H
	9J29C		9J20C		2050		56		15L,17L,010L, 09H,113H,114H, 115H,15L*16L, 17L*18L
	7J19B		7J16B		2060		53		014L,18H,19H, 110H
	9J11B		9J10B		2030		66		011L,112H,113H, 114H,115H
	7J02F		7J03F		2060		53		16L,013H,15L* 16L*17L
	9J26A		9J21A		2060		60,64		16L,013H,15L* 16L*17L
	0J29D		0J20D		2930		61,62		19L,112L
	1J29B		1J20B		2930		63,64		19L,112L
	1J29D		1J20D		2930		61,62		19L,112L
	2J29B		2J20B		2930		63,64		19L,112L
	2J29D		2J20D		2930		61,62		19L,112L
	9J29D		9J20D		2930		61,62		19L,112L
	9J12F		9J16F		2070		56,57		012L,16H
	0J29B		0J20B		2930		63,64		19L
	7J12A		7J14A		2900		50		114H
	9J09B		9J08B		2900		66		15L
	7J17G		7J13G		2050		49,51		113L
012173	1J19D	000000	1J18D	5026X7	2930	060711	61,62	1155	110L,17H,110L* 112L,08H*06L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J16B		0J17B		2930		38		013L*015H, I9L* I10L, 08H, 015H I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J16D		0J17D		2930		38		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J19B		0J18B		2930		63, 64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J19D		0J18D		2930		61, 62		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J29B		0J20B		2930		63, 64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J29D		0J20D		2930		61, 62		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	1J16B		1J17B		2930		38		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	1J16D		1J17D		2930		38		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	1J19B		1J18B		2930		63, 64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	1J29B		1J20B		2930		63, 64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	1J29D		1J20D		2930		61, 62		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	2J16B		2J17B		2930		38		I10L, I10L*I12L, 08H*06L, 013L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									015H, I9L*I10L, 08H, 015H
	2J19B		2J18B		2930		63,64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	2J29B		2J20B		2930		63,64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	9J16B		9J17B		2930		38		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	9J16D		9J17D		2930		38		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	9J19B		9J18B		2930		63,64		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	9J19D		9J18D		2930		61,62		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	9J29D		9J20D		2930		61,62		I10L, I10L*I12L, 08H*06L, 013L* 015H, I9L*I10L, 08H, 015H
	0J21A		0J19A		2060		38,64		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
	0J21B		0J07B		2060		38,63		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
	0J21C		0J18C		2060		38,62		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
	0J21D		0J10D		2060		38,61		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
	1J21A		1J19A		2060		38,64		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
	1J21B		1J07B		2060		38,63		I9L, I12L, 014H, 015H, I8L*I9L* I10L, I11L*I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J21C		1J18C		2060		38,62		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	1J21D		1J10D		2060		38,61		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	2J21A		2J19A		2060		38,64		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	2J21B		2J07B		2060		38,63		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	2J21C		2J18C		2060		38,62		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	2J21D		2J10D		2060		38,61		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	9J21A		9J19A		2060		38,64		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	9J21B		9J07B		2060		38,63		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	9J21C		9J18C		2060		38,62		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	9J21D		9J10D		2060		38,61		I9L,I12L,014H, 015H,I8L*I9L* I10L,I11L*I12L
	0J26A		0J06B		2060		60,64		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	0J26B		0J18C		2060		63,69A		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	0J26C		0J10D		2060		57,62		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	0J26D		0J27G		2060		61,69A		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	1J26A		1J06B		2060		60,64		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	1J26B		1J18C		2060		63,69		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J26C		1J10D		2060		57,62		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	1J26D		1J27G		2060		61,69		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	2J26A		2J06B		2060		60,64		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	2J26B		2J18C		2060		63,69A		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	2J26C		2J10D		2060		57,62		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	2J26D		2J27G		2060		61,69A		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	9J26B		9J18C		2060		63,69		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	9J26C		9J10D		2060		57,62		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	9J26D		9J27G		2060		61,69		I6L,013H,014H, I5L*I6L*I7L,I8L* I9L*I10L
	2J16D		2J17D		2930		38		I7H,08H*06L,08H
	0J10B		0J22B		2030		66		011L,I12H,I13H, I14H,I15H
	0J11B		0J22B		2030		66		011L,I12H,I13H, I14H,I15H
	0J12A		0J04A		2030		66		011L,I12H,I13H, I14H,I15H
	0J12B		0J22B		2030		66		011L,I12H,I13H, I14H,I15H
	1J10B		1J22B		2030		66		011L,I12H,I13H, I14H,I15H
	1J11B		1J22B		2030		66		011L,I12H,I13H, I14H,I15H
	1J12A		1J04A		2030		66		011L,I12H,I13H, I14H,I15H
	1J12B		1J22B		2030		66		011L,I12H,I13H, I14H,I15H
	2J11B		2J22B		2030		66		011L,I12H,I13H, I14H,I15H
	2J12B		2J22B		2030		66		011L,I12H,I13H, I14H,I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STGP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J10B		9J11B		2030		66		011L, I12H, I13H, I14H, I15H
	9J12A		9J04A		2030		66		011L, I12H, I13H, I14H, I15H
	9J12B		9J11B		2030		66		011L, I12H, I13H, I14H, I15H
	0J19C		0J17C		2050		56		010L, I13H, I14H, I15H
	0J29C		0J20C		2050		56		010L, I13H, I14H, I15H
	1J19C		1J17C		2050		56		010L, I13H, I14H, I15H
	1J29C		1J20C		2050		56		010L, I13H, I14H, I15H
	2J29C		2J20C		2050		56		010L, I13H, I14H, I15H
	9J19C		9J17C		2050		56		010L, I13H, I14H, I15H
	2J12A		2J04A		2030		66		I12H, I13H, I14H, I15H
	2J19D		2J18D		2930		61, 62		08H*06L, 08H
	2J29D		2J20D		2930		61, 62		08H*06L, 08H
	9J29B		9J20B		2930		63, 64		013L*015H, 015H
	0J12F		0J16F		2070		56, 57		I7L, 013H
	1J12F		1J16F		2070		56, 57		I7L, 013H
	1J29E		1J25D		2070		57, 58, 67		014L, I9H
	9J12F		9J16F		2070		56, 57		I7L, 013H
	0J08B		0J08A		2900		66		I5L, I14L
	0J09B		0J05D		2900		66		I5L, I14L
	1J08B		1J08A		2900		66		I5L, I14L
	1J09B		1J05D		2900		66		I5L, I14L
	2J08B		2J08A		2900		66		I5L, I14L
	2J09B		2J05D		2900		66		I5L, I14L
	9J08B		9J08A		2900		66		I5L, I14L
	0J16C		0J17C		2050		57		010L, I11H, I12H
	1J16C		1J17C		2050		57		010L, I11H, I12H
	9J16C		9J17C		2050		57		010L, I11H, I12H
	9J26A		9J06B		2060		60, 64		014H, I8L*I9L* I10L
	7J19G		7J17G		2050		36, 53		I12L, I15L
	9J09B		9J05D		2900		66		I14L
	2J10B		2J22B		2030		66		011L

 012173 100000 5026X6 060711 1156
 3J18E 3J20E 2070 48, 46 012L, I6H
 3J10C 3J13C 2020 28 I5L, I9L

012200 000000 040000 060711 1157

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
FOR FURTHER ISOLATION REFER TO TABLE 8-54.						
	7J03E	7J04E	2060	50		I8L, I9L, I11L, I12L, 013L, 014L, 015L, I5H, I6H, I7H, I8H, I9H, I10H, I11H, I12H, 013H, 014H, 015H, I5L*I6L*I7L, I8L* I9L*I10L, I11L* I12L I5H, I6H, I7H, I8H, I9H, 010H*011H* 012H, 013H*014H* 015H I8L, I5H, I6H, I7H, I8H, I9H, 010H* 011H*012H I8L, I9L, I11L, I12L, 014L, 015L, I8H, I9H, I10H, I11H, I12H, 014H, 015H, I8L*I9L* I10L, I11L*I12L I8L, I9L, I11L, I12L, 014L, 015L, I8H, I9H, I10H, I11H, I12H, 014H, 015H, I8L*I9L* I10L, I11L*I12L I6L, 09L, 010L, I12L, I14L, I5H, I6H, 09H, 010H, I11H, I12H, I5L* I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L I6L, 09L, 010L, I12L, I14L, I5H, I6H, 09H, 010H, I11H, I12H, I5L* I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L I8L, I7H, I8H, I9H, 010H*011H*012H 014L, 015L, I8H, I9H, I10H, I11H, I12H, 013H, I5L*
	7J13D	7J12D	2013	50		
	7J14D	7J12D	2013	49		
	0J02A	0J07A	2060	58, 65A		
	9J02A	9J07A	2060	58, 65		
	7J13F	7J27F	2050	51		
	7J13G	7J19G	2050	51		
	7J15D	7J18D	2013	49		
	1J02A	1J07A	2060	58, 65		

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J13C		7J27B		2050		51		I6L*I7L I6L,I12L,I14L, 09H,010H,I5L* I6L,I7L*I8L, I11L*I12L,I13L* I14L*I15L
	7J13E		7J32E		2050		51		09L,010L,I5H, I6H,I11H,I12H, I13H,I14H,I15H
	0J07B		0J21B		2060		66		I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
	0J18C		0J21C		2060		59A		014L,015L,I8H, I9H,I10H,I11H, I12H
	1J07B		1J21B		2060		66		I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
	9J07B		9J21B		2060		66		I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
	7J14G		7J12G		2000		51		I5L,I7L,I10L, I5H,I6H,I9H, I10H
	7J14F		7J12F		2000		51		I5L,I10L,I5H, I6H,I9H,I10H
	0J14C		0J25C		2070		58		I10L,014L,I9H, 015H
	7J16C		7J03C		2070		50,51		I7L,013L,I7H, 013H
	9J14C		9J25C		2070		58		I10L,014L,I9H, 015H
	7J15C		7J09C		2013		49		I8L,010L*011L* 012L
	7J23E		7J17E		2060		35,49,54		013L,I5H,I6H, I7H
	7J18C		7J02C		2030		49,107		011L,I12H,I13H, I14H,I15H
	0J05A		2J05A		2080		65A		I7L,05H,09H,I6L* I7L*I8L,I10L* I11L*I12L*I13L* I14L*I15L
	9J05A		8J04G		2080		65		I7L,05H,09H,I6L* I7L*I8L,I10L* I11L*I12L*I13L* I14L*I15L
	7J14C		7J12C		2000		51		I5H,I6H,I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J05A		2J05A		2080		65		05H,09H,I6L*I7L* I8L,I10L*I11L* I12L*I13L*I14L* I15L
	0J06B		0J21B		2060		66,69,69A		I11L,015H,I11L* I12L
	0J18A		0J10A		2060		59,69A,70		015L,I11H,I12H
	1J06B		1J21B		2060		66,69		I11L,015H,I11L* I12L
	1J26A		1J21A		2060		60,64		015L,I11H,I12H
	7J15B		7J19B		2060		50		015L,I11H,I12H
	7J16F		7J15F		2060		28,49		I11L,015H,I11L* I12L
	9J06B		9J21B		2060		66,69		I11L,015H,I11L* I12L
	0J11A		0J14A		2070		56,57,60,66,69A		I7L,013H
	1J11A		1J14A		2070		56,57,60,66,69		I7L,013H
	7J23C		7J16E		2070		37,49		I10L,015H
	9J11A		9J14A		2070		56,57,60,66,69		I7L,013H
	7J12A		7J17A		2900		50		I5L,I5H
	0J16C		0J17C		2050		57		I13H,I14H,I15H
	1J16C		1J17C		2050		57		I13H,I14H,I15H
	7J17G		7J19G		2050		49,51		I13H,I14H,I15H
	9J16C		9J17C		2050		57		I13H,I14H,I15H
	0J04A		0J12A		2030		58,65A		I5L,011H,I12L* I13L*I14L
	9J04A		9J12A		2030		58,65		I5L,011H,I12L* I13L*I14L
	0J27A		0J17A		2013		59,60		I8L
	0J27B		0J14B		2013		59		I8L
	0J27C		0J23C		2013		59A,60		I8L
	7J11D		7J10D		2013		22		013H*014H*015H
	9J27A		9J17A		2013		59,60		I8L
	9J27B		9J14B		2013		59		I7L
	9J27C		9J23C		2013		59,60		I7L
	7J15G		7J30F		2060		51		I9L,I11L
	7J16B		7J19B		2060		50		014H,I8L*I9L* I10L
	7J11E		7J10E		2000		104		I11H,I12H
	7J14E		7J12E		2000		51		I5L,I10L
	0J19C		0J17C		2050		56		I11H,I12H
	1J19C		1J17C		2050		56		I11H,I12H
	7J26G		7J19G		2050		54,55		I12L,I13L
	7J27G		7J29G		2050		55		I6L,I12L
	9J19C		9J17C		2050		56		I11H,I12H
	1J04A		1J12A		2030		58,65		011H,I12L*I13L* I14L
	7J02E		7J28C		2160		50		I5L,014H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J29B		0J20B		2930		63,64		I12L
	9J29B		9J20B		2930		63,64		I12L
	1J09B		1J08B		2900		66		06H
	7J14A		7J17A		2900		50		I14H
	7J17C		7J26C		2900		52		I7L
	7J02B		7J19B		2060		22,23,49		I9L
	3J11F		3J10F		2050		29		I11L
	7J02G		7J19G		2050		22		I11L
	3J07D		3J06D		2920		22		I10L
	3J07F		3J04F		2920		22		I13L

012200		000000		040000		607707		1158	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	2J02A		2J07A		2060		58,65A		I8L, I9L, I11L, I12L, 014L, 015L, I8H, I9H, I10H, I11H, I12H, I5L* I6L*I7L, I11L* I12L
	1J02A		1J07A		2060		58,65		I8L, I9L, I11L, I12L, 014H, 015H, I8L*I9L*I10L, I11L*I12L
	1J18C		1J21C		2060		59		014L, 015L, I8H, I9H, I10H, I11H, I12H
	2JU7B		2J21B		2060		66		I12L, 014L, I8H, I9H, I10H, 015H, I11L*I12L
	2J18C		2J21C		2060		59A		014L, 015L, I8H, I9H, I10H, I11H, I12H
	1J14C		1J25C		2070		58		I10L, 014L, I9H, 015H
	2J14C		2J25C		2070		58		I10L, 014L, I9H, 015H
	7J13F		7J27F		2050		51		I8L, I7H, I8H, I13H, I14H, I15H 09H
	7J13G		7J02G		2050		51		I8L, I7H, I8H, I13H, I14H, I15H
	1J27B		1J14B		2013		59		I7L, I8L
	1J27C		1J23C		2013		59,60		I7L, I8L
	2J05A		3J20A		2080		65A		I7L, 05H, 09H, I6L* I7L*I8L, I10L* I11L*I12L*I13L* I14L*I15L
	1J18A		1J10A		2060		59,69,70		015L, I11H, I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J06B		2J21B		2060		66,69,69A		I11L,015H,I11L+ I12L
	2J18A		2J10A		2060		59,69A,70		015L,I11H,I12H
	2J11A		2J14A		2070		56,57,60,66,69A		I7L,013H
	2J16C		2J17C		2050		57		I13H,I14H,I15H
	2J04A		2J12A		2030		58,65A		I5L,011H,I12L+ I13L+I14L
	0J27B		0J14B		2013		59		I7L
	0J27C		0J23C		2013		59A,60		I7L
	1J27A		1J17A		2013		59,60		I8L
	2J27A		2J17A		2013		59,60		I8L
	2J27B		2J14B		2013		59		I8L
	2J27C		2J23C		2013		59A,60		I8L
	2J19C		2J17C		2050		56		I11H,I12H
	7J13E		7J32E		2050		51		I7H,I8H
	7J02E		7J28C		2160		50		014L,I5H
	7J16C		7J03C		2070		50		013H
	2J09B		2J08B		2900		66		06H
	7J03E		7J04E		2060		50		I6L,013H
	7J15A		7J16A		2060		50		I5L
	7J15B		7J02B		2060		50		I10L
	7J13C		7J27B		2050		51		I8L,010H
	1J04A		1J12A		2030		58,65		I5L
	1J05A		0J05A		2080		65		I7L

012200		000004		040000		607707		1159	
	2J27G		2J26D		2060		69A		I5L

012200		000010		040000		607707		1160	
	1J27G		1J26D		2060		69		I5L

012200		000020		040000		607707		1161	
	2J27G		2J26D		2060		69A		I8L

012200		000040		040000		607707		1162	
	1J27G		1J26D		2060		69		I8L

012200		000100		040000		607707		1163	
	2J27G		2J26D		2060		69A		I11L

012200		000200		040000		607707		1164	
	1J27G		1J26D		2060		69		I11L

012200		002000		040000		060711		1165	
	0J27G		0J26D		2060		69A		I5L

012200		004000		040000		060711		1166	
	9J27G		9J26D		2060		69		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012200	0J27G	010000	0J26D	040000	2060	060711	69A	1167	I8L
012200	9J27G	020000	9J26D	040000	2060	060711	69	1168	I8L
012200	0J27G	040000	0J26D	040000	2060	060711	69A	1169	I11L
012200	7J02E	077400	7J28C	040000	2160	060711	50	1170	I8L
012200	9J27G	100000	9J26D	040000	2060	060711	69	1171	I11L
012200	7J02E	177400	7J28C	040000	2160	060711	50	1172	I7L
012221	0J16D	000000	0J17D	557767	2930	607707	38	1173	I9L, I12L, I5H, I7H
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	1J16B		1J17B		2930		38		I9L, I12L, I5H, I7H
	1J16D		1J17D		2930		38		I9L, I12L, I5H, I7H
	2J16B		2J17B		2930		38		I9L, I12L, I5H, I7H
	9J16D		9J17D		2930		38		I9L, I12L, I5H, I7H
	0J16B		0J17B		2930		38		I9L, I5H, I7H
	2J16D		2J17D		2930		38		I9L, I12L, I5H
	9J16B		9J17B		2930		38		I9L, I5H, I7H
	0J16C		0J17C		2050		57		I15L, I17L, I09H, I15L* I16L, I17L*I18L
	1J16C		1J17C		2050		57		I15L, I17L, I09H, I15L* I16L, I17L*I18L
	2J16C		2J17C		2050		57		I15L, I17L, I09H, I15L* I16L, I17L*I18L
	9J16C		9J17C		2050		57		I15L, I17L, I09H, I15L* I16L, I17L*I18L
	0J29C		0J20C		2050		56		I11H, I12H
	1J29C		1J20C		2050		56		I11H, I12H
	2J29C		2J20C		2050		56		I11H, I12H
	9J29C		9J20C		2050		56		I11H, I12H
	2J29D		2J20D		2930		61,62		I17H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012221	2J26B	000001	2J21B	557767	2060	607707	63,69A	1174	I11L
012221	1J26B	000002	1J21B	557767	2060	607707	63,69	1175	I11L
012221	0J26B	000400	0J21B	557767	2060	607707	63,69A	1176	I11L
012221	9J26B	001000	9J21B	557767	2060	607707	63,69	1177	I11L
012236	7J13C	000000	7J27B	000000	2050	607707	51	1178	09L,010L,15H, I6H,I7H,I8H, I11H,I12H,I13H, I14H,I15H I6L,I8L,I12L, I14L,09H,010H, I5L*I6L,I7L*I8L, I11L*I12L,I13L* I14L*I15L
	7J13E		7J32E		2050		51		015L,I11H,I12H, 014H,I8L*I9L* I10L
	0J07B		0J06B		2060		66		015L,I11H,I12H, 014H,I8L*I9L* I10L
	1J07B		1J06B		2060		66		015L,I11H,I12H, 014H,I8L*I9L* I10L
	2J07B		2J06B		2060		66		015L,I11H,I12H, 014H,I8L*I9L* I10L
	9J07B		9J06B		2060		66		015L,I11H,I12H, 014H,I8L*I9L* I10L
	7J14E		7J12E		2000		51		I5H,I6H,I9H, I10H
	7J11F		7J10F		2000		104		I11H,I12H
	7J14C		7J12C		2000		51		I5L,I10L
	0J16B		0J17B		2930		38		I12L
	9J16B		9J17B		2930		38		I12L
	0J08B		0J09B		2900		66		06H
	1J08B		1J09B		2900		66		06H
	2J08B		2J09B		2900		66		06H
	9J08B		9J09B		2900		66		06H
	7J12F		7J14F		2000		104		I12L
012236		077400		000000		607707		1179	
8-724	CHANGE 7								

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J02A		0J07A		2060		58,65A		013H,I5L*I6L* I7L
012236	9J02A	177400	9J07A	000000	2060	607707	58,65	1180	013H,I5L*I6L* I7L
012247	2J16B	000000	2J17B	000000	2930	607707	38	1181	08L*06H,06H
012247	2J29D	000000	2J20D	000001	2930	607707	61,62	1182	19H,013H*015L, 013H
	2J26D		2J21D		2060		61,69A		013L,I5H,I6H, I7H
	2J11B		2J10B		2030		66		I15L
	2J32A		2J31A		2030		65A		I6L
012247	1J29D	000000	1J20D	000002	2930	607707	61,62	1183	19H,013H*015L, 013H
	1J26D		1J21D		2060		61,69		013L,I5H,I6H, I7H
	1J32A		1J31A		2030		65		I6L
012247	2J29D	000000	2J20D	000004	2930	607707	61,62	1184	I12H,08L*06H, 06H
	2J26C		2J21C		2060		57,62		013L,I5H,I6H, I7H
	2J32A		2J31A		2030		65A		I13L
012247	2J29D	000000	2J20D	000005	2930	607707	61,62	1185	I14L,I5L*I14L, I7L*I14L
012247	1J29D	000000	1J20D	000010	2930	607707	61,62	1186	I12H,08L*06H, 06H
	1J26C		1J21C		2060		57,62		013L,I5H,I6H, I7H
	1J32A		1J31A		2030		65		I13L
012247	1J29D	000000	1J20D	000012	2930	607707	61,62	1187	I14L,I5L*I14L, I7L*I14L
012247		000000		000020		607707		1188	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J29B		2J20B		2930		63,64		19H,013H*015L, 013H
	2J26B		2J21B		2060		63,69A		013L,15H,16H, 17H
	2J34A		2J33A		2030		65A		I6L

012247		000000		000040		607707		1189	
	1J29B		1J20B		2930		63,64		19H,013H*015L, 013H
	1J26B		1J21B		2060		63,69		013L,15H,16H, 17H
	1J34A		1J33A		2030		65		I6L

012247		000000		000100		607707		1190	
	2J29B		2J20B		2930		63,64		I12H,08L*06H, 06H
	2J26A		2J21A		2060		60,64		013L,15H,16H, 17H
	2J06A		2J08A		2900		65A		013H*015L
	2J34A		2J33A		2030		65A		I13L

012247		000000		000120		607707		1191	
	2J29B		2J20B		2930		63,64		I14L,15L*114L, 17L*114L

012247		000000		000125		607707		1192	
	2J29C		2J20C		2050		56		09L,111L,113L, 17H,18H,010H, 111L*112L,113L* 114L*115L
	2J20A		2J14A		2070		56,58,60		012L,16H

012247		000000		000200		607707		1193	
	1J29B		1J20B		2930		63,64		I12H,08L*06H, 06H
	1J26A		1J21A		2060		60,64		013L,15H,16H, 17H
	1J34A		1J33A		2030		65		I13L

012247		000000		000240		607707		1194	
	1J29B		1J20B		2930		63,64		I14L,15L*114L, 17L*114L

012247		000000		000252		607707		1195	
	1J29C		1J20C		2050		56		09L,111L,113L, 17H,18H,010H, 111L*112L,113L* 114L*115L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J20A		1J14A		2070		56,58,60		012L,I6H
012247		000000		000400		607707		1196	
	0J29D		0J20D		2930		61,62		19H,013H*015L, 013H
	0J26D		0J21D		2060		61,69A		013L,I5H,I6H, I7H
	0J11B		0J10B		2030		66		I15L
	0J32A		0J31A		2030		65A		I6L
012247		000000		001000		607707		1197	
	9J29D		9J20D		2930		61,62		19H,013H*015L, 013H
	9J26D		9J21D		2060		61,69		013L,I5H,I6H, I7H
	9J32A		9J31A		2030		65		I6L
012247		000000		002000		607707		1198	
	0J29D		0J20D		2930		61,62		I12H,08L*06H, 06H
	0J26C		0J21C		2060		57,62		013L,I5H,I6H, I7H
	0J32A		0J31A		2030		65A		I13L
012247		000000		002400		607707		1199	
	0J29D		0J20D		2930		61,62		I14L,I5L*I14L, I7L*I14L
012247		000000		004000		607707		1200	
	9J29D		9J20D		2930		61,62		I12H,08L*06H, 06H
	9J26C		9J21C		2060		57,62		013L,I5H,I6H, I7H
	9J32A		9J31A		2030		65		I13L
012247		000000		005000		607707		1201	
	9J29D		9J20D		2930		61,62		I14L,I5L*I14L, I7L*I14L
012247		000000		010000		607707		1202	
	0J29B		0J20B		2930		63,64		19H,013H*015L, 013H
	0J26B		0J21B		2060		63,69A		013L,I5H,I6H, I7H
	0J34A		0J33A		2030		65A		I6L
012247		000000		020000		607707		1203	
	9J26B		9J21B		2060		63,69		013L,I5H,I6H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J29B 9J34A		9J20B 9J33A		2930 2030		63,64 65		I7H I9H,013H*015L I6L
012247		000000		035000		607707		1204	
	8J32C		8J31C		3780		129		I10L
012247		000000		040000		607707		1205	
	0J29B		0J20B		2930		63,64		I12H,08L*06H, 06H
	0J26A		0J21A		2060		60,64		013L,15H,16H, I7H
	0J34A		0J33A		2030		65A		I13L
012247		000000		050000		607707		1206	
	0J29B		0J20B		2930		63,64		I14L,15L*I14L, I7L*I14L
012247		000000		052400		607707		1207	
	0J29C		0J20C		2050		56		09L,111L,113L, I7H,18H,010H, I11L*I12L,I13L* I14L*I15L
	0J20A		0J14A		2070		56,58,60		012L,16H
012247		000000		100000		607707		1208	
	9J26A		9J21A		2060		60,64		013L,15H,16H, I7H
	9J29B		9J20B		2930		63,64		I12H,08L*06H
	9J34A		9J33A		2030		65		I13L
012247		000000		120000		607707		1209	
	9J29B		9J20B		2930		63,64		I14L,15L*I14L, I7L*I14L
012247		000000		125000		607707		1210	
	9J29C		9J20C		2050		56		09L,111L,113L, I7H,18H,010H, I11L*I12L,I13L* I14L*I15L
	9J20A		9J14A		2070		56,58,60		012L,16H
012247		000001		000000		607707		1211	
	2J16D		2J17D		2930		38		I9H,013H*015L, 013H
	2J21D		2J10D		2060		38,61		014L,18H,19H, I10H
	2J12A		2J04A		2030		66		I15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J32A		2J31A		2030		65A		18L
012247		000001		000001		607707		1212	
	2J05A		1J05A		2080		65A		09L,110H,111H, 112H,113H,114H, 115H
	1J32A		1J31A		2030		65		010L,15H,16H, 17H,18H,19H
	1J08A		1J06A		2900		65		15L,06L*08H,08H
	2J08A		2J06A		2900		65A		15H,06H*08L,06H
	2J07A		2J02A		2060		65A		16L,17L,013H, 15L*16L*17L
	2J26B		2J21B		2060		63,69A		015H,111L*112L
	2J32A		2J31A		2030		65A		010H,15L*16L* 17L*18L*19L
012247		000001		000003		607707		1213	
	1J11B		1J10B		2030		66		115L
012247		000002		000000		607707		1214	
	1J16D		1J17D		2930		38		19H,013H*015L, 013H
	1J21D		1J10D		2060		38,61		014L,18H,19H, 110H
	1J32A		1J31A		2030		65		18L
012247		000002		000002		607707		1215	
	1J08A		1J06A		2900		65		15H,06H*08L,06H
	1J07A		1J02A		2060		65		17L,013H,15L* 16L*17L
	1J26B		1J21B		2060		63,69		015H,111L*112L
	1J32A		1J31A		2030		65		010H,15L*16L* 17L*18L*19L
012247		000003		000000		607707		1216	
	1J12A		1J04A		2030		66		115L
012247		000003		000003		607707		1217	
	2J08A		2J06A		2900		65A		111L,114L,013L* 015H,015H
	1J05A		0J05A		2080		65		09L,110H,111H, 112H,113H,114H, 115H
	2J32A		2J31A		2030		65A		011L,112H,113H, 114H,115H
	1J07A		1J02A		2060		65		16L
012247		000004		000000		607707		1218	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J16D		2J17D		2930		38		I12H, C8L*06H, 06H
	2J21C		2J18C		2060		38,62		014L, 18H, 19H, I10H
	2J32A		2J31A		2030		65A		I15L

012247		000004		000004		607707		1219	
	2J08A		2J06A		2900		65A		I14H, C13H*015L, 013H
	2J07A		2J02A		2060		65A		I&L, 014H, I8L* I9L*I10L
	2J27G		2J26D		2060		69A		013H, 15L*I6L* I7L
	2J32A		2J31A		2030		65A		011H, I12L*I13L* I14L

012247		000005		000000		607707		1220	
	2J16D		2J17D		2930		38		I14L, 15L*I14L, I7L*I14L

012247		000007		000000		607707		1221	
	2J12A		2J04A		2030		66		I14L

012247		000007		000007		607707		1222	
	1J08A		1J06A		2900		65		I11L, 114L, 013L* 015H, 17L*I5L* I14L, I10L*I12L* I9L, 015H
	2J10A		2J09A		2060		65, 65A		013L, 15H, 16H, I7H
	1J32A		1J31A		2030		65		011L, 112H, I13H, I14H, I15H
	2J04A		2J12A		2030		58, 65A		011L, 112H, I13H, I14H, I15H
	2J14A		2J11A		2070		65A, 66, 69		I5L, 011H
	2J07A		2J02A		2060		65A		I10L

012247		000010		000000		607707		1223	
	1J16D		1J17D		2930		38		I12H, C8L*06H, 06H
	1J21C		1J18C		2060		38, 62		014L, 18H, 19H, I10H
	1J32A		1J31A		2030		65		I15L

012247		000010		000010		607707		1224	
	1J08A		1J06A		2900		65		I14H, C13H*015L, 013H
	1J07A		1J02A		2060		65		I&L, 014H, I8L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J27G		1J26D		2060		69		I9L*I10L 013H,I5L*I6L* I7L
	1J32A		1J31A		2030		65		011H,I12L*I13L* I14L
012247	1J16D	000012	1J17D	000000	2930	607707	38	1225	I14L,I5L*I14L, I7L*I14L
012247	1J12A	0000X7	1J04A	000000	2030	607707	66	1226	I14L
012247	2J34A	0000X7	2J33A	0000X7	2030	607707	65A	1227	010L,I5H,I6H, I7H,I8H,I9H I5L,06L*08H,08H 013L,I5H,I6H, I7H 011L,I12H,I13H, I14H,I15H 011H I10L
	2J06A		2J08A		2900		65A		
	1J10A		1J09A		2060		65		
	1J04A		1J12A		2030		58,65		
	1J14A		1J11A		2070		66,69		
	1J07A		1J02A		2060		65		
012247	2J16B	000020	2J17B	000000	2930	607707	38	1228	I14L,I9H,I5L* I14L,013H*015L, I7L*I14L,013H 014L,I8H,I9H, I10H I8L
	2J21B		2J07B		2060		38,63		
	2J34A		2J33A		2030		65A		
012247	2J06A	000020	2J08A	000020	2900	607707	65A	1229	15H,06H*08L,06H I11L,015H,I11L* I12L 014H,I8L*I9L* I10L 010H,I5L*I6L* I7L*I8L*I9L
	2J07A		2J02A		2060		65A		
	2J27G		2J26D		2060		69A		
	2J34A		2J33A		2030		65A		
012247	2J17A	000024	2J16A	000124	2013	607707	58	1230	013H*014H*015H
012247	2J17A	000025	2J16A	000125	2013	607707	58	1231	I5H,I6H
012247		000037		000000		607707		1232	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J12A		2J04A		2030		66		I13L
012247		000037		000037		607707		1233	
	1J34A		1J33A		2030		65		010L, 15H, 16H, 17H, 18H, 19H
	1J06A		1J08A		2900		65		15L, 06L*08H, 08H
	2J10A		2J09A		2060		65, 65A		014L, 18H, 19H, 110H
	2J05A		1J05A		2080		65A		05L, 16H, 17H, 18H
	2J02D		2J12D		2070		65A, 70		110L, 015H
	2J07A		2J02A		2060		65A		112L
012247		000040		000000		607707		1234	
	1J16B		1J17B		2930		38		19H, 013H*015L, 013H
	1J21B		1J07B		2060		38, 63		014L, 18H, 19H, 110H
	1J34A		1J33A		2030		65		18L
012247		000040		000040		607707		1235	
	1J06A		1J08A		2900		65		15H, 06H*08L, 06H
	1J07A		1J02A		2060		65		111L, 015H, 111L* 112L
	1J27G		1J26D		2060		69		014H, 18L*19L* 110L
	1J34A		1J33A		2030		65		010H, 15L*16L* 17L*18L*19L
012247		000077		000000		607707		1236	
	1J12A		1J04A		2030		66		I13L
012247		000077		000077		607707		1237	
	2J06A		2J08A		2900		65A		111L, 114L, 013L* 015H, 17L*15L* 114L, 110L*112L* 19L, 015H
	2J04A		2J12A		2030		58, 65A		010L, 15H, 16H, 17H, 18H, 19H
	1J10A		1J09A		2060		65		014L, 18H, 19H, 110H
	2J34A		2J33A		2030		65A		011L, 112H, 113H, 114H, 115H
	1J05A		0J05A		2080		65		05L, 16H, 17H, 18H
	1J02D		1J12D		2070		65, 70		110L, 015H
	1J07A		1J02A		2060		65		112L
012247		000077		000177		607707		1238	
	2J17A		2J16A		2013		58		17H, 18H, 19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									010H*011H*012H
012247		000100		000000	607707			1239	
	2J21A		2J19A		2060		38,64		014L,18H,19H, I10H
	2J16B		2J17B		2930		38		I12H
	2J34A		2J33A		2030		65A		I15L
012247		000100		000100	607707			1240	
	2J09A		2J07A		2060		65A,66,69A		I11L,015H,I11L* I12L
	2J06A		2J08A		2900		65A		I14H,013H
	2J27G		2J26D		2060		69A		015H,I11L*I12L
	2J34A		2J33A		2030		65A		011H,I12L*I13L* I14L
012247		000125		000000	607707			1241	
	2J16C		2J17C		2050		57		09L,I11L,I13L, I5H,I6H,010H, I11L*I12L,I13L* I14L*I15L
	2J11A		2J14A		2070		56,57,60,66,69A		013L,I7H
012247		000125		000125	607707			1242	
	2J12F		2J29E		2070		56,57		I6L,013L,I7H, 012H
	2J14C		2J25C		2070		58		015L,I10H
	2J16F		2J11A		2070		56,60,69A		I9L,014H
	2J04A		2J12A		2030		58,65A		I6L,010H,I5L* I6L*I7L*I8L*I9L
012247		000177		000000	607707			1243	
	2J09A		2J07A		2060		65A,66,69A		I9L,014H,I8L* I9L*I10L
	2J11A		2J14A		2070		56,57,60,66,69A		014L,I9H
	2J08B		2J09B		2900		66		I5H,06H*08L
	2J12A		2J04A		2030		66		I12L,011H
	2J07B		2J06B		2060		66		I5L
012247		000177		000177	607707			1244	
	1J06A		1J08A		2900		65		I11L,I14L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	1J04A		1J12A		2030		58,65		010L,I5H,I6H, I7H,I8H,I9H
	1J34A		1J33A		2030		65		011L,I12H,I13H, I14H,I15H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	2J10A		2J18A		2060		65,65A		015L, I11H, I12H
	2J14A		2J11A		2070		65A, 66, 69		013L, I7H
	2J16F		2J12F		2070		58, 60, 69A		I7L, 013H
	2J07B		2J06B		2060		66		013H, I5L*16L* I7L
	2J09A		2J07A		2060		65A, 66, 69A		I12L
	7J02E		7J28C		2160		50		I10L

012247		000200		000000		607707		1245	
	1J16B		1J17B		2930		38		I12H, 08L*06H, 06H
	1J21A		1J19A		2060		38, 64		014L, I8H, I9H, I10H
	1J34A		1J33A		2030		65		I15L

012247		000200		000200		607707		1246	
	1J06A		1J08A		2900		65		I14H, 013H*015L, 013H
	1J09A		1J07A		2060		65, 66, 69		I11L, 015H, I11L* I12L
	1J27G		1J26D		2060		69		015H, I11L*I12L
	1J34A		1J33A		2030		65		011H, I12L*I13L* I14L

012247		000240		000000		607707		1247	
	1J16B		1J17B		2930		38		I14L, I5L*I14L, I7L*I14L

012247		000252		000000		607707		1248	
	1J16C		1J17C		2050		57		09L, I11L, I13L, I5H, I6H, 010H, I11L*I12L, I13L* I14L*I15L
	1J11A		1J14A		2070		56, 57, 60, 66, 69		013L, I7H

012247		000252		000252		607707		1249	
	1J17A		1J16A		2013		58		I5H, I6H, 013H* 014H*015H
	1J12F		1J31F		2070		56, 57		I6L, 013L, I7H, 012H
	1J14C		1J25C		2070		58		015L, I10H
	1J16F		1J31F		2070		58, 60, 69		I9L, 014H
	1J04A		1J12A		2030		58, 65		I6L, 010H, I5L* I6L*I7L*I8L*I9L

012247		000277		000377		607707		1250	
	1J17A		1J16A		2013		58		I7H, I8H, I9H, 010H*011H*012H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012247		000377		000000		607707		1251	
	1J09A		1J07A		2060		65,66,69		I9L,014H,I8L* I9L*I10L
	1J11A		1J14A		2070		56,57,60,66,69		014L,I9H
	1J08B		1J09B		2900		66		I5H,06H*08L
	1J12A		1J04A		2030		66		I12L,011H,I12L* I13L*I14L
	1J07B		1J06B		2060		66		I5L
012247		000377		000377		607707		1252	
	1J10A		1J18A		2060		65		015L,I11H,I12H
	1J14A		1J11A		2070		66,c9		013L,I7H
	1J16F		1J12F		2070		58,60,69		I7L,013H
	1J07B		1J06B		2060		66		013H,I5L*I6L* I7L
	1J09A		1J07A		2060		65,66,69		I12L
	7J02E		7J28C		2160		50		I9L
	7J22D		7J17D		2060		49		013L,014L,I5H I6H,I7H,I8H I9H,I10H
	3J26G		3J11G		2040		12		I5L,I7L,I9L I11L,I13L,015H I5L*I6L,I7L* I8L,I9L*I10L I11L*I12L,I13L I14L
	3J10C		3J13C		2020		28		I13H,I14H,I15H 011L*012H,I5L* I6L*I7L,I8L* I9L*I10L,012H
	3J11B		3J18B		2050		28		I5L,010L,09H I5L*I6L,I7L* I8L
	3J28C		3J30C		2900		12		I9H,013H*015L 013H
	3J13F		3J06F		2060		29,28		014L,I8H,I9H I10H
	7J02F		7J03F		2060		53		013H,I5H,I6H I7H
	7J19G		7J17G		2050		36,53		010L,I13H,I14H I15H
	3J16A		3J13A		2060		48,28		I12L,015H,I11L*
	7J19B		7J16B		2060		53		I9L,014H,I8L* I9L*I10L
	7J23E		7J17E		2060		35,49,54		I6L,013H,I5L* I6L*I7L
	3J08F		3J22F		2070		16,52,33,12		014L,I9H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J03G		7J09G		2070		26,35,53		16L,012H
	3J08E		3J07E		2920		22		18H,19H,110H
	3J23A		3J03E		2030		41		011H,112L*113L* 114L

012247		000400		000000		607707		1253	
	0J16D		0J17D		2930		38		19H,013H*015L, 013H
	0J21D		0J10D		2060		38,61		014L,18H,19H, 110H
	0J12A		0J04A		2030		66		115L
	0J32A		0J31A		2030		65A		18L

012247		000400		000400		607707		1254	
	0J05A		1J05A		2080		65A		09L,110H,111H, 112H,113H,114H, 115H
	9J32A		9J31A		2030		65		010L,15H,16H, 17H,18H,19H
	0J08A		0J06A		2900		65A		15H,06H*08L,06H
	9J06A		9J06A		2900		65		15L,06L*08H,08H
	0J07A		0J02A		2060		65A		16L,17L,013H, 15L*16L*17L
	0J26B		0J21B		2060		63,69A		015H,111L*112L
	0J32A		0J31A		2030		65A		010H,15L*16L* 17L*18L*19L

012247		000400		001400		607707		1255	
	9J11B		9J10B		2030		66		115L

012247		001000		000000		607707		1256	
	9J16D		9J17D		2930		38		19H,013H*015L, 013H
	9J21D		9J10D		2060		38,61		014L,18H,19H, 110H
	9J32A		9J31A		2030		65		18L

012247		001000		001000		607707		1257	
	9J08A		9J06A		2900		65		15H,06H*08L,06H
	9J07A		9J02A		2060		65		17L,013H,15L* 16L*17L
	9J26B		9J21B		2060		63,69		015H,111L*112L
	9J32A		9J31A		2030		65		010H,15L*16L* 17L*18L*19L

012247		001400		000000		607707		1258	
	9J12A		9J04A		2030		66		115L

NAVSEA OP-3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012247	0J08A	001400	0J06A	001400	2900	607707	65A	1259	I11L,I14L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	9J05A		8J04G		2080		65		09L,I10H,I11H, I12H,I13H,I14H, I15H
	0J32A		0J31A		2030		65A		011L,I12H,I13H, I14H,I15H
	9J07A		9J02A		2000		65		16L

012247	0J11B	001400	0J10B	003400	2030	607707	66	1260	I14L

012247	0J16D	002000	0J17D	000000	2930	607707	38	1261	I12H,08L*06H, 06H
	0J21C		0J18C		2060		38,62		014L,I8H,I9H, I10H
	0J32A		0J31A		2030		65A		I15L

012247	0J08A	002000	0J06A	002000	2900	607707	65A	1262	I14H,013H*015L, 013H
	0J07A		0J02A		2060		65A		I8L,014H,I8L* I9L*I10L
	0J27G		0J26D		2060		69A		013H,I5L*I6L* I7L
	0J32A		0J31A		2030		65A		011H,I12L*I13L* I14L

012247	0J16D	002400	0J17D	000000	2930	607707	38	1263	I14L,I5L*I14L, I7L*I14L

012247	0J12A	003400	0J04A	000000	2030	607707	66	1264	I14L

012247	9J08A	003400	9J06A	003400	2900	607707	65	1265	I11L,I14L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	0J10A		0J09A		2060		65,65A		013L,I5H,I6H, I7H
	0J04A		0J12A		2030		58,65A		011L,I12H,I13H, I14H,I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J32A		9J31A		2030		65		011L, 112H, 113H, 114H, 115H
	0J14A		0J11A		2070		65A, 66, 69		15L, 011H
	0J07A		0J02A		2060		65A		110L
012247		003400		007400		607707		1266	
	9J11B		9J10B		2030		66		114L
012247		004000		000000		607707		1267	
	9J16D		9J17D		2930		38		112H, 08L*06H, 06H
	9J21C		9J18C		2060		38, 62		014L, 18H, 19H, 110H
	9J32A		9J31A		2030		65		115L
012247		004000		004000		607707		1268	
	9J08A		9J06A		2900		65		114H, 013H*015L, 013H
	9J07A		9J02A		2060		65		18L, 014H, 18L* 19L*110L
	9J27G		9J26D		2060		69		013H, 15L*16L* 17L
	9J32A		9J31A		2030		65		011H, 112L*113L* 114L
012247		005000		000000		607707		1269	
	9J16D		9J17D		2930		38		114L, 15L*114L, 17L*114L
012247		007400		000000		607707		1270	
	9J12A		9J04A		2030		66		114L
012247		007400		007400		607707		1271	
	0J34A		0J33A		2030		65A		010L, 15H, 16H, 17H, 18H, 19H
	0J06A		0J08A		2900		65A		15L, 06L*08H, 08H
	9J10A		9J09A		2060		65		013L, 15H, 16H, 17H
	9J04A		9J12A		2030		58, 65		011L, 112H, 113H, 114H, 115H
	9J14A		9J11A		2070		65, 69, 66		15L, 011H
	9J07A		9J02A		2060		65		110L
012247		007400		017400		607707		1272	
	0J11B		0J10B		2030		66		113L
012247		010000		000000		607707		1273	
	0J16B		0J17B		2930		38		19H, 013H*015L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	0J21B		0J07B		2060		38,63		013H 014L,18H,19H, I10H
	0J34A		0J33A		2030		65A		I8L

012247		010000		010000		607707		1274	
	0J06A		0J02A		2900		65A		15H,06H*08L,06H
	0J07A		0J02A		2060		65A		I11L,015H,I11L* I12L
	0J27G		0J26D		2060		69A		014H,I8L*I9L* I10L
	0J34A		0J33A		2030		65A		010H,I5L*I6L* I7L*I8L*I9L

012247		017400		000000		607707		1275	
	0J12A		0J04A		2030		66		I13L

012247		017400		017400		607707		1276	
	9J34A		9J33A		2030		65		010L,15H,I6H, I7H,I8H,I9H
	0J10A		0J09A		2060		65,65A		014L,I8H,I9H, I10H
	0J05A		1J05A		2080		65A		05L,I6H,I7H,I8H
	0J02D		0J12D		2070		65A,70		I10L,015H
	9J06A		9J02A		2900		65		I5L,08H
	0J07A		0J02A		2060		65A		I12L

012247		017400		037400		607707		1277	
	9J11B		9J10B		2030		66		I13L

012247		020000		000000		607707		1278	
	9J16B		9J17B		2930		38		I9H,013H*015L, 013H
	9J21B		9J07B		2060		38,63		014L,I8H,I9H, I10H
	9J34A		9J33A		2030		65		I8L

012247		020000		020000		607707		1279	
	9J07A		9J02A		2060		65		I11L,015H,I11L* I12L
	9J27G		9J26D		2060		69		014H,I8L*I9L* I10L
	9J34A		9J33A		2030		65		010H,I5L*I6L* I7L*I8L*I9L
	9J06A		9J08A		2900		65		06H

012247		037400		000000		607707		1280	
	9J12A		9J04A		2030		66		I13L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012247		037400		037400		607707		1281	
	0J06A		0J08A		2900		65A		I11L, I14L, 013L* 015H, I7L*15L* I14L, I10L*112L* I9L, 015H
	0J04A		0J12A		2030		58, 65A		010L, I5H, I6H, I7H, I8H, I9H
	9J10A		9J09A		2060		65		014L, I8H, I9H, I10H
	0J34A		0J33A		2030		65A		011L, I12H, I13H, I14H, I15H
	9J05A		8J04G		2080		65		05L, I6H, I7H, I8H
	9J02D		9J12D		2070		65, 70		I10L, 015H
	9J07A		9J02A		2060		.65		I12L
012247		037400		077400		607707		1282	
	0J09B		CJ08D		2900		66		I5H, 06H*08L, 06H
	0J11B		0J10B		2030		66		I12L, 011H, I12L* I13L*114L
	0J07B		CJU6B		2060		66		I6L
012247		040000		000000		607707		1283	
	0J16B		0J17B		2930		38		I12H, 08L*06H, 06H
	0J21A		0J19A		2060		38, 64		014L, I8H, I9H, I10H
	0J34A		0J33A		2030		65A		I15L
012247		040000		040000		607707		1284	
	0J06A		0J08A		2900		65A		I14H, 013H*015L, 013H
	0J09A		0J07A		2060		65A, 66, 69A		I11L, 015H, I11L* I12L
	0J27G		0J26D		2060		69A		015H, I11L*112L
	0J34A		0J33A		2030		65A		011H, I12L*113L* I14L
012247		050000		000000		607707		1285	
	0J16B		0J17B		2930		38		I14L, I5L*114L, I7L*114L
012247		052400		000000		607707		1286	
	0J16C		0J17C		2050		57		09L, I11L, I13L, I5H, I6H, 010H, I11L*112L, I13L* I14L*115L
	0J11A		0J14A		2070		56, 57, 60, 66, 69A		013L, I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012247		052400		052400		607707		1227	
	0J17A		0J16A		2013		58		15H, 16H, 013H* 014H*015H
	0J12F		0J29E		2070		56, 57		16L, 013L, 17H, 012H
	0J14C		0J25C		2070		56		015L, 11CH
	0J16F		0J11A		2070		58, 60, 69A		19L, 014H
	0J04A		0J12A		2030		58, 65A		16L, 010H, 15L* 16L*17L*18L*19L
012247		077400		000000		607707		1228	
	0J09A		0J07A		2060		65A, 66, 69A		19L, 014H, 18L* 19L*110L
	0J11A		0J14A		2070		56, 57, 60, 66, 69A		014L, 19H
	0J08B		0J09B		2900		66		15H, 06H*08L
	0J12A		0J04A		2030		66		112L, 011H, 112L* 113L*114L
	0J07B		0J06B		2060		66		15L
012247		077400		077400		607707		1229	
	0J17A		0J16A		2013		58		17H, 18H, 19H, 010H*011H*012H
	9J06A		9J08A		2900		65		111L, 114L, 013L* 015H, 17L*15L* 114L, 110L*112L* 19L, 015H
	9J04A		9J12A		2030		58, 65		010L, 15H, 16H, 17H, 18H, 19H
	9J34A		9J33A		2030		65		011L, 112H, 113H, 114H, 115H
	0J10A		0J18A		2060		65, 65A		015L, 111H, 112H
	0J14A		0J11A		2070		65A, 66, 69		013L, 17H
	0J16F		0J12F		2070		58, 60, 69A		17L, 013H
	0J07B		0J06B		2060		66		013H, 15L*16L* 17L
	0J09A		0J07A		2060		65A, 66, 69A		112L
012247		077400		177400		607707		1290	
	9J09B		9J08B		2900		66		15H, 06H*08L, 06H
	9J11B		9J10B		2030		66		112L, 011H, 112L* 113L*114L
	9J07B		9J06B		2060		66		16L
012247		100000		000000		607707		1291	
	9J16B		9J17B		2930		38		112H, 08L*06H, 06H
	9J21A		9J19A		2060		38, 64		014L, 18H, 19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J34A		9J33A		2030		65		I10H I15L
012247		100000		100000		607707		1292	
	9J09A		9J07A		2060		65,66,c9		I11L,C15H,I11L* I12L
	9J06A		9J08A		2900		65		013H*C15L,013H
	9J27G		9J26D		2060		69		015H,I11L*I12L
	9J34A		9J33A		2030		65		011H,I12L*I13L* I14L
012247		120000		000000		607707		1293	
	9J16E		9J17B		2930		38		I14L,I15L*I14L, I17L*I14L
012247		125000		000000		607707		1294	
	9J16C		9J17C		2050		57		09L,I11L,I13L, I5H,I6H,010H, I11L*I12L,I13L* I14L*I15L
	9J11A		9J14A		2070		56,57,60,66,c9		013L,I7H
012247		125000		125000		607707		1295	
	9J17A		9J16A		2013		58		I5H,I6H,013H* 014H*C15H
	9J12F		9J31F		2070		56,57		I6L,013L,I7H, 012H
	9J14C		9J25C		2070		58		015L,I10H
	9J16F		9J31F		2070		58,60,c9		I9L,014H
	9J04A		9J12A		2030		58,65		I6L,010H,I5L* I6L*I7L*I6L*I9L
012247		176000		167400		607707		1296	
	8J33C		8J32C		3780		129		I10L
012247		177400		000000		607707		1297	
	9J09A		9J07A		2060		65,66,c9		I9L,014H,I8L* I9L*I10L
	9J11A		9J14A		2070		56,57,60,66,c9		014L,I9H
	9J08B		9J09B		2900		66		I5H,06H*08L
	9J12A		9J04A		2030		66		I12L,C11H,I12L* I13L*I14L
	9J07E		9J06E		2060		66		I5L
012247		177400		177400		607707		1298	
	9J17A		9J16A		2013		58		I7H,I8H,I9H, 010H*C11H*012H
	9J10A		9J18A		2060		65		015L,I11H,I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	9J14A		9J11A		2070		65,69,66		013L,17H
	9J16F		9J12F		2070		58,60,69		17L,013H
	9J07B		9J06B		2060		66		013H,15L*16L*
									17L
	9J09A		9J07A		2060		65,66,69		112L

012247		177777		177777		607707		1299	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	7J22D		7J17D		2060		49		013L,014L,15H, 16H,17H,18H,19H, 110H
	3J26G		3J11G		2040		12		15L,17L,19L, 111L,113L,015H, 15L*16L,17L*16L, 19L*110L,111L* 112L,113L*114L
	3J10C		3J13C		2020		28		113H,114H,115H, 011L*012H,15L* 16L*17L,18L*19L* 110L,012H
	3J11B		3J18B		2050		28		15L,010L,09H, 15L*16L,17L*18L
	3J28C		3J30C		2900		12		19H,013H*015L, 013H
	3J13F		3J06F		2060		29,28		014L,18H,19H, 110H
	7J02F		7J03F		2060		53		013L,15H,16H, 17H
	7J19G		7J17G		2050		36,53		010L,113H,114H, 115H
	3J16A		3J13A		2060		48,28		112L,015H,111L* 112L
	7J19B		7J16B		2060		53		19L,014H,18L* 19L*110L
	7J23E		7J17E		2060		35,49,54		16L,013H,15L* 16L*17L
	3J08F		3J22F		2070		16,52,33,12		014L,19H
	7J03G		7J09G		2070		26,35,53		16L,012H
	3J08E		3J07E		2920		22		18H,10H,110H
	3J23A		3J03E		2030		41		011H,112L*113L* 114L

012317		012304		001760		407105		1300	
	3J04C		3J02C		2060		20		110L

012317		012312		000077		407105		1301	
	3J11B		3J18B		2050		28		111H,112H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012317		012313		000077		407105		1302	
	7J14E		7J12E		2000		51		I11L

012330		012323		000077		017101		1303	
	3J10C		3J13C		2020		28		I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	3J11B		3J18E		2050		28		I11L, I12L, I13L, I14L, 010H, I11L* I12L, I13L*I14L* I15L
	7J29G		7J27G		2050		54		I5L, I7L, 09H, I5L* I6L, I7L*I6L
	3J13F		3J06F		2060		29, 28		I9L, 014H, I8L* I9L*I10L
	3J16A		3J13A		2060		48, 28		015L, I11H, I12H
	3J26G		3J11G		2040		12		I11H, I12H

012340		400000		000000		017101		1304	
	3J11B		3J18B		2050		28		I13H, I14H, I15H

012523		000000		177776		000000		1305	
	3J18E		3J20E		2070		48, 46		I6L, 012H
	3J10C		3J13C		2020		28		I8H, I9H, I10H

012622		000000		040000		017102		1306	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	7J13D		7J12D		2013		50		I7L, I8L, 010L* 011L*012L
	0J10A		0J09A		2060		65, 65A		I5L, 013H, I5L* I6L*I7L
	2J10A		2J09A		2060		65, 65A		I5L, 013H, I5L* I6L*I7L
	0J14A		0J11A		2070		65A, 66, 69		011L, I5H
	2J14A		2J11A		2070		65A, 66, 69		011L, I5H
	7J13F		7J27F		2050		51		I7L, I13L
	7J13G		7J02G		2050		51		I7L, I13L
	1J10A		1J09A		2060		65		I5L
	1J26B		1J21B		2060		63, 69		I5L
	1J26C		1J21C		2060		57, 62		I5L
	1J26D		1J21D		2060		61, 69		I5L
	9J10A		9J09A		2060		65		I5L
	9J26B		9J21B		2060		63, 69		I5L
	9J26C		9J21C		2060		57, 62		I5L
	9J26D		9J21D		2060		61, 69		I5L
	0J04A		0J12A		2030		58, 65A		I13L
	2J04A		2J12A		2030		58, 65A		I13L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAF	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
012666	9JU5A	001000	8JU4G	017000	2020	017102	65	1307	110L
012666	9JU4A	004000	9J12A	017000	2030	017102	58,65	1308	112L
012666	9JU5A	020000	8JU4G	017000	2020	017102	65	1309	16L
012666	9J10A	025000	9JU9A	017000	2060	017102	65	1310	18L, C14H, 18L* 19L*110L
	9JU2B		9J12D		2070		65,70		015L, 110H
013007	0JU7E	000000	0JU6E	040000	2060	017102	66	1311	110L
	1JU7E		1JU6E		2060		66		110L
	2JU7E		2JU6E		2060		66		110L
	9JU7E		9JU6E		2060		66		110L
013015	3J16F	003001	3J03F	126004	2030	000151	48	1312	19L
013055	3J26F	000000	3J12F	557730	2050	010044	14, 12	1313	010L, 111H, 112H, 113H, 114H, 115H
	3J28E		3J24C		2900		12		19H, 013H*015L, 013H
	3J30D		3J22D		2900		13		19H, 013H*015L, 013H
	3J27F		3J22F		2070		12		16L, 012H
	3J28C		3J30C		2900		12		112H
	3J28G		3J21G		2060		12, 4E		15L
013135	3J27D	000400	3J25D	505640	2013	017072	12	1314	15L, 013L*014L* 015L
	3JU8A		3J10A		2050		17, 23		113H, 114H, 115H
013142	7JU9E	000400	7JU1D	505640	2013	000000	14	1315	19L, 010L*011L* 012L, 010H*011H* 012H
	7J11A		7J10A		2000		105		110L
	7J11C		7J10C		2000		105		110L
	7J12E		7J11E		2000		105		110L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 4

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
013142	7J17A	000400	7J14A	505640	2900	000151	52	1316	I11L, I14L, 013L*, 015H, 17L*15L* I14L, 110L*112L* 19L, 015H 17H, I&H, I9H
	7J09E		7J31D		2013		14		
013142	1J31D	000400	1J35D	505640	2930	017101	61,62	1317	I10L, I12H, I10L* I12L, I5L*114L, 0&L*0&H, 0&H*0&L, 013L*015H, I9L* I10L, 0&H, 0&H, 015H 15H, I6H, I7H, I&H, I9H, 010H*011H* 012H, 013H*014H* 015H I10L, I10L*112L, 0&H*0&L, 013L* 015H, I9L*110L, 0&H, 015H I10L, I10L*112L, 0&H*0&L, 013L* 015H, I9L*110L, 0&H, 015H I10L, I10L*112L, 0&H*0&L, 013L* 015H, I9L*110L, 0&H, 015H I10L, I10L*112L, 0&H*0&L, 013L* 015H, I9L*110L, 0&H, 015H I10L, I10L*112L, 0&H*0&L, 013L* 015H, I9L*110L, 0&H, 015H 09L, 010L, I11L, I13L, I5H, I6H, 010H, I11H, I12H, I11L*112L, I13L* I14L*115L
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	1J13F		1J14F		2013		53		
	0J31B		0J30B		2930		63,64		
	0J31D		0J30D		2930		61,62		
	1J31B		1J30B		2930		63,64		
	2J31B		2J30B		2930		63,64		
	9J31B		9J30B		2930		63,64		
	9J31D		9J30D		2930		61,62		
	1J35E		1J35C		2050		61,62		

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J10C		1J09C		2130		68		I10L, I9H, I10H, I11H, I9L* I10L* I11L
	1J15F		1J14F		2013		59		I5L, I7L, 010L* 011L*012L, 013L* 014L*015L
	0J24A		0J23A		2321		63, 64		010L, 011L, I5H, I6H
	0J24D		0J23D		2321		61, 62		010L, 011L, I5H, I6H
	1J22C		1J34C		2030		62		011L, I13L, I14L, I15L, I12H, I13H, I14H, I15H
	7J18G		7J18F		2030		53		011L, I13L, 011H, I12H, I13H, I14H, I15H, I12L* I13L* I14L
	1J24D		1J23D		2090		61, 62		010L, 011L, I5H, I6H, 011H
	1J30D		1J29D		2930		61, 62		I5H, I10L* I12L, 08H*06L, 08H
	1J12D		1J02D		2070		57, 58, 65		I6L, 012L, I6H, 012H
	7J17b		7J26C		2900		52		I9L, I14L, 013L* 015H, 015H
	0J31C		0J30C		2050		56		010L, I11H, I12H, I13H, I14H, I15H
	9J31C		9J30C		2050		56		010L, I11H, I12H, I13H, I14H, I15H
	1J26C		1J21C		2060		57, 62		I9L, 014L, I8H, I9H, I10H
	1J24A		1J23A		2090		63, 64		010L, 011L, I5H, I6H
	2J31D		2J30D		2930		61, 62		I10L, 06H*06L, 08H
	1J01C		1J23C		2013		06		I5L, 013L*014L* 015L
	7J32E		7J13E		2050		07, 52		I12L, I13L, 010H, I11L* I12L, I13L* I14L* I15L
	7J17A		7J14A		2900		52		I5H, 06H*08L, 06H
	7J17C		7J26C		2900		52		I14H, 013H*015L, 013H
	1J10D		1J21D		2060		58, 68		I5L, I6L, 013H, I5L* I6L* I7L
	1J26D		1J21D		2060		61, 69		I9L, 015L, I11H, I12H
	2J24A		2J23A		2090		63, 64		010L, 011L, I6H

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TABLE P-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CL	PLATE	SYMPTOM	FAULT
	2J24D		2J23D		2090		61,62		010L,011L,16H
	1J12C		1J11C		2130		68		110L,19L*110L*
									111L
	7J13B		7J23B		2050		50		010L,113H,114H,
									115H
	9J24A		9J23A		2321		63,64		011L,16H
	9J24D		9J23D		2321		61,62		011L,16H
	7J17D		7J16D		2060		52		112L,015H,111L*
									112L
	7J17E		7J15E		2060		52		112L,015H,111L*
									112L
	7J19F		7J16F		2060		26,52		19L,014H,18L*
									19L*110L
	1J25C		1J14C		2070		62,63		19L,014H
	7J03G		7J09G		2070		26,35,53		014L,19H
	3J08E		3J07E		2920		22		112L,111H,112H,
									113H,114H
	7J18E		4J03G		2920		52		015L,111H,112H,
									113H,114H
	1J31C		1J30C		2050		56		010L,111H,112H
	1J22D		1J34D		2030		61		113L,114L,115L
	1J31A		1J12A		2030		65		112L,011H,112L*
									113L*114L
	4J05D		4J04D		2013		17,20		18L
	1J17C		1J16C		2050		56,57		15H,16H
	2J31C		2J30C		2050		56		111H,112H
	1J08A		1J06A		2900		65		19H
	1J11D		1J07D		2900		68		110L
	3J28D		3J30B		2900		12		110L
	7J12A		7J14A		2900		50		110L
	7J14B		7J14A		2900		50		114L
	1J30E		1J31E		2040		69		19H,110H
	0J26A		0J21A		2060		60,64		19L
	0J26B		0J21B		2060		63,69A		19L
	0J26C		0J21C		2060		57,62		19L
	0J26D		0J21D		2060		61,69A		19L
	1J26A		1J21A		2060		60,64		19L
	1J26B		1J21B		2060		63,69		19L
	2J26A		2J21A		2060		60,64		19L
	2J26B		2J21B		2060		63,69A		19L
	2J26C		2J21C		2060		57,62		19L
	2J26D		2J21D		2060		61,69A		19L
	3J08D		3J05D		2060		22		17L
	7J15A		7J16A		2060		50		112L
	9J26A		9J21A		2060		60,64		19L
	9J26B		9J21B		2060		63,69		19L
	9J26C		9J21C		2060		57,62		19L
	9J26D		9J21D		2060		61,69		19L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	FLATE	SYMPTOM	FAULT
	7J14F		7J12F		2000		51		17L
	3J10C		3J12C		2020		28		110L
	3J11D		3J13D		2020		28		114L
	3J08A		3J10A		2050		17,23		111L
	0J22A		0J12A		2030		64		115L
	0J22B		0J12B		2030		63		115L
	0J22C		0J12C		2030		62		115L
	0J22D		0J12D		2030		61		115L
	1J10B		1J11B		2030		66		17L
	1J22A		1J12A		2030		64		115L
	1J22B		1J12B		2030		63		115L
	1J32A		1J33A		2030		55		112L
	2J22A		2J12A		2030		64		115L
	2J22C		2J12C		2030		62		115L
	9J22A		9J12A		2030		64		115L
	9J22C		9J12C		2030		62		115L
	7J23A		7J16A		2060		31		015H

013142		000400		505640		017102		1318	
	7J17D		7J16D		2060		52		16L

013142		000400		505640		017103		1319	
	7J02A		7J12B		2160		22		111L

013142		000400		505640		517741		1320	
	7J15F		7J04F		2060		51		111L

013211		000000		000000		017101		1321	
FOR FURTHER ISOLATION REFER TO TABLE 8-54.									
	1J03A		1J17A		2013		68		17L,010L*011L* 012L
	1J16A		1J17A		2013		58		17L,010L*011L* 012L
	1J18C		1J21C		2060		59		013L,15H,16H, 17H
	0J31B		0J30B		2930		63,64		19L,112L
	0J31D		0J30D		2930		61,62		19L,112L
	1J31B		1J30B		2930		63,64		19L,112L
	2J31B		2J30B		2930		63,64		19L,112L
	9J31B		9J30B		2930		63,64		19L,112L
	9J31D		9J30D		2930		61,62		19L,112L
	1J27D		1J09D		2013		59,60		18L
	7J16B		7J15B		2060		50		18L
	1J22C		1J12C		2030		62		112L

013233		000000		017104		017101		1322	
	1J24D		1J22D		2030		62		114L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
013237	1J06D	000000	1J05D	017102	2900	017101	68	1323	I11L, I12L, 06L* 02H, I7L* I5L* I14L, I10L* I12L* I9L, 02H I6L, 013L* 014L* 015L 014L, I8H, I9H, I10H I10L I6L
	1J03A		1J16A		2013		68		
	1J10D		1J21D		2060		58, 66		
	1J05C		1J04C		2130		68		
	7J15G		7J30F		2060		51		
013320	1J11D	000000	1J07D	000000	2900	017101	68	1324	I9L, I11L, 013L* 015H, I7L* I5L* I14L, I10L* I12L* I9L, 015H 015L, I11H, I12H I12L
	1J10D		1J21D		2060		58, 66		
	1J31D		1J35D		2930		61, 62		
013342	1J34E	000000	1J34D	017104	2030	017101	61	1325	I14L
013346	1J06D	000000	1J05D	017102	2900	017101	68	1326	I9L, 013L* 015H, 015H I9L, I10L
	1J04C		1J03C		2130		68		
013374	1J30D	000060	1J29D	000060	2930	000000	61, 62	1327	I7H, 013L* 015H, I9L* I10L
013374	1J14B	000067	1J27B	000063	2013	000000	58, 70	1328	I9H
013374	1J03B	000067	1J02B	114463	2020	000000	69	1329	I6L, I9L, I13H, I14H, I15H, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, C12H I7L, 010L* 011L* 012L I5H, I6H
	1J09D		1J27D		2013		58		
	1J16A		1J03A		2013		58		
013374	7J11E	000120	7J10E	104061	2000	000000	104	1330	I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
013374		000160		000060		000000		1331	
	1J12C		1J11C		2130		68		I9H, I10H, I11H
	1J35E		1J35C		2050		61,62		I5L, I7L, 09H, I5L*
	1J26D		1J21D		2060		61,69		I6L, I7L*I8L
	1J22D		1J34D		2030		61		014L, I8H, I9H, I10H
	1J25D		1J12D		2070		61,64		011L, I12H, I13H, I14H, I15H
	1J10B		1J11B		2030		66		I9L, 014H
	1J30D		1J29D		2930		61,62		I8L, I15L
	1J24D		1J23D		2090		61,62		015H
	1J31A		1J22A		2030		65		010H
	1J32A		1J33A		2030		65		I5L

013374		000160		110060		000000		1332	
	1J31A		1J22A		2030		65		011L, 010H, I12H, I13H, I14H, I15H, I5L*I6L*I7L*I8L*I9L
	2J31A		2J22A		2030		65A		I12H, I13H, I14H, I15H
	1J08A		1J06A		2900		65		I9L, I12H
	2J08A		2J06A		2900		65A		I9L
	1J30E		1J31E		2040		69		I7H, I8H

013374		000167		000063		000000		1333	
	1J14B		1J27B		2013		58,70		I7H, I8H, 010H* 011H*012H
	3J11D		3J33D		2020		28		I13L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	1J09B		1J08B		2900		66		I9H, I14H, 013H* 015L, 013H
	1J10B		1J11B		2030		66		I14L, 010H, 011H, I5L*I6L*I7L*I8L* I9L, I12L*I13L* I14L
	1J29E		1J25D		2070		57,58,67		I9L, 014H
	3J18E		3J20E		2070		48,46		013L, I7H
	1J09A		1J07A		2060		65,66,69		I8L

013374		000167		114463		000000		1334	
	1J04D		1J08D		2020		70		I8L, I14L, I5H, I6H, I7H, I13H, I14H, I15H, 011L*

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									012H, C11H*012L, I13L*I14L*I15L, I5L*I6L*I7L, I8L* I9L*I10L, 011H, 012H
	1J16A		1J03A		2013		58	LOCOM/CON	I7H, I8H, I9H, 010H*011H*012H, 013H*014H*015H
	7J26D		7J25D		2013		07, 14	LD	I7H, I8H, I9H, 010H*011H*012H
	1J33A		1J32A		2030		65	CHAS PRIORITY	010L, C11L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
	2J33A		2J32A		2030		05A		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
	--7J19C		7J22C		2060		53	CR Resume	I8L, I9L, I10L, 013L, I5H, I6H, I7H, 014H
	1J30G		1J35D		2930		69, 70	FROST INTERFACE	I12L, I5H, I10L* I12L, 08H*06L, 08H
	1J03D		1J08D		2020		70	1.33	I6L, I8L, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	7J17C		7J26C		2900		52		I5L, 06L*08H, 08H
	1J18A		1J10A		2060		59, 69, 70		014L, I8H, I9H, I10H
	* 7J09D		7J16D		2060		28, 51, 53		013L, I5H, I6H, I7H
	1J13A		1J16C		2050		69, 70		I11L, 010H, I11L* I12L, I13L*I14L* I15L
	1J06B		1J07B		2060		66, 69		I7L, 013H, I5L* I6L*I7L
	1J26D		1J21D		2060		61, 69		I11L, 015H, I11L* I12L
	7J02F		7J04F		2060		53		015L, I11H, I12H
	- 7J22D		7J17D		2060		49		015L, I11H, I12H
	1J12D		1J02D		2070		57, 58, 65		014L, I9H
	1J16F		1J12F		2070		58, 60, 69		I10L, 015H
	1J20A		1J14A		2070		56, 58, 60		I10L, 015H
	3J12C		3J06C		2070		47, 11, 30		015L, I10H
	7J09G		7J03G		2070		36, 53	CLAK	I10L, 015H
	- 7J28B		7J22B		2070		07, 30, 53		I5L, 011H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J06A		1J08A		2900		65		19L,112L
	2J06A		2J08A		2900		65A		19L,112L
	3J26F		3J12F		2050		14,12		09L,17H,18H
	3J09C		3J04C		2060		53,30		013H,15L*16L* 17L
	7J03F		7J04F		2060		26,35	<i>Set Resume</i>	014H,18L*19L* 110L
	1J30E		1J31E		2040		69		015L

013374		000167		114563		000006		1335	
	7J17F		7J18F		2030		49		011L,112H,113H, 114H,115H
	7J16F		7J15F		2060		28,49		112L
	7J17G		7J13G		2050		49,51		114L

013374		000220		000020		000000		1336	
	1J31D		1J35D		2930		61,62		19H,013H*015L, 17L*114L,013H

013374		000231		000021		000000		1337	
	1J31C		1J30C		2050		56		111L,113L,010H, 111L*112L,113L* 114L*115L
	1J19A		1J18A		2060		60		111L,015H,111L* 112L
	1J20A		1J14A		2070		56,58,60		011L,15H
	7J19G		7J17G		2050		36,53		111H,112H

013374		000547		000143		000000		1338	
	7J15E		7J04E		2060		51,107		010L,15H,16H, 17H
	7J16C		7J03C		2070		50,51		16L,012H

013405		000000		557752		017101		1339	
	7J19E		7J16E		2070		35,36,52		013L,17H
	7J02G		7J13G		2050		22		15L,18L

013411		000000		000000		017101		1340	
	2J31D		2J30D		2930		61,62		19L,112L
	1J31D		1J35D		2930		61,62		19L

013672		400000		000163		017072		1341	
	3J26B		3J25B		2013		03,14		17L

014167		000000		000003		017101		1342	
	7J09D		7J16D		2060		28,51,53		111L

014172		000000		000000		017101		1343	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J08D		1J04D		2020		68		113L
	1J13D		1J28D		2020		68		113L
014307		000000		162400		000000		1344	
	1J13C		1J12C		2130		68		111L
014307		000000		162401		000000		1345	
	1J20D		1J19D		2930		61,62		17H,013L*015H, 015H
	1J06D		1J05D		2900		68		112H,06H*08L, 06H
	1J21D		1J10D		2060		38,61		013L,15H,16H, 17H
	1J34E		1J34D		2030		61		011L,112H,113H, 114H,115H
	1J05C		1J04C		2130		68		19H,110H
	1J25D		1J12D		2070		61,64		17L,013H
	1J35A		1J25A		2070		61,62,63,64		15L,011H
	1J23D		1J24D		2090		61		011H
	1J11B		1J10B		2030		66		18L
	1J31A		1J22A		2030		65		16L
014307		000000		162600		000231		1346	
	1J05C		1J04C		2130		68		19L
014307		000000		163407		000000		1347	
	1J18D		1J17D		2930		61,62		17H,013L*015H, 19L*110L,015H
	1J13C		1J12C		2130		68		19H,110H,111H
	1J22D		1J34D		2030		61		010L,15H,16H, 17H,18H,19H
	1J25D		1J12D		2070		61,64		16L,012H
	1J23D		1J24D		2090		61		010H
	1J12B		1J11B		2030		66		18L
	1J31A		1J22A		2030		65		17L
014307		000001		000001		000000		1348	
	1J20D		1J19D		2930		61,62		110L
	1J20C		1J19C		2050		57		09L
014307		000001		162401		000000		1349	
	1J20D		1J19D		2930		61,62		19L*110L
014307		000040		000040		000000		1350	
	8J28A		8J29A		3640		122		015L,111H
	8J28B		8J22C		3621		122		111L
014307		000100		000000		000000		1351	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J06D		7J04D		2013		23		17L
014307		000103		000103		000000		1352	
	7J19C		7J22C		2060		53		014L,18H,19H, 110H
	1J12D		1J02D		2070		57,58,65		19L,014H
014307		002001		002001		000000		1353	
	7J10G		7J08G		2000		104		19H,110H
014307		040000		040000		000000		1354	
	7J12G		7J11G		2000		104		110L
014307		040200		040200		000000		1355	
	7J11G		7J10G		2000		104		110L
014307		041201		041201		015702		1356	
	7J10G		7J08G		2000		104		110L
014307		043001		043001		000000		1357	
	7J10A		7J08A		2000		105		110L
014307		043001		043001		307712		1358	
	7J12D		7J11D		2013		22		15H,16H,013H* 014H*015H 011H
	7J03B		7J03C		2070		22		
014307		043001		043001		505640		1359	
	7J17C		7J26C		2900		52		114L
	3J08E		3J07E		2920		22		111L
014307		043001		043001		547237		1360	
	7J10B		7J08B		2000		105		19H,110H
014307		043001		043001		710001		1361	
	7J11C		7J10C		2000		105		19H,110H
014307		100000		100000		000000		1362	
	3J16C		3J33C		2050		48,53		114L
014307		100400		100400		000000		1363	
	7J18B		7J19A		2030		53		010L,114L,15H, 16H,17H,18H,19H
	7J02F		7J03F		2060		53		18L
014307		100410		100410		000000		1364	
	3J07C		3J05C		2920		24		18L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
014307		160400		160400		000000		1365	
	7J03G		7J09G		2070		26,35,53		015L,110H
	7J03F		7J02F		2060		26,35		19L
014307		160500		160500		000000		1366	
	8J10A		8J04A		2040		106		113H,114H
014307		162400		000000		000000		1367	
	1J11C		1J10C		2130		68		111L
014307		162400		162400		000000		1368	
	8J10A		8J04A		2040		106		19H,110H
	1J05E		1J04E		2020		69		15L
014307		162401		000000		000000		1369	
	✓1J20D		1J19D		2930		61,62		15H,08H*06L,08H
	✓1J06D		1J05D		2900		68		19H,013H*015L, 013H
	✓1J21C		1J18C		2060		38,62		013L,15H,16H, 17H
	✓1J34D		1J22D		2030		62		011L,112H,113H, 114H,115H
	✓1J04C		1J03C		2130		68		19H,110H
	✓1J25C		1J14C		2070		62,63		17L,013H
	✓1J35A		1J25A		2070		61,62,63,64		16L,012H
	✓1J24C		1J24E		2090		62		011H
	✓1J11B		1J10B		2030		66		17L
	✓1J31A		1J22A		2030		65		113L
014307		162401		000001		000000		1370	
	1J20D		1J19D		2930		61,62		110L*112L
014307		162401		162401		000000		1371	
	1J09D		1J27D		2013		58		17H,18H,19H, 010H*011H*012H
	1J32C		1J27C		2013		60,69		17H,18H,19H, 010H*011H*012H
	1J03A		1J16A		2013		68		15H,16H,013H* 014H*015H
	1J03D		1J04D		2020		70		113L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	1J10D		1J21D		2060		58,68		19L,110L,014H, 18L*19L*110L
	1J02D		1J12D		2070		65,70		17L,013H
	1J11B		1J10B		2030		66		010H,15L*16L* 17L*18L*19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J09B		1J08B		2900		66		I12H
014307		163407		000000		000000		1372	
	1J18D		1J17D		2930		61,62		15H, I10L*I12L, 02H*06L, 02H
	1J11C		1J10C		2130		63		19H, I10H, I11H
	1J22C		1J34C		2030		62		010L, 15H, I6H, 17H, 13H, 19H
	1J25C		1J14C		2070		62,63		16L, 012H
	1J24C		1J24B		2090		62		010H
	1J12B		1J11B		2030		66		17L
	1J31A		1J22A		2030		65		I14L
014307		163407		163407		000000		1373	
	1J08B		1J09B		2900		66		19H, 013H*015L, 013H
	1J12B		1J11B		2030		66		010H, 15L*16L* 17L*18L*19L
	1J07E		1J06B		2060		66		17L
014351		000000		557756		017101		1374	
	FOR FURTHER ISOLATION REFER TO TABLE 8-54.								
	1J20A		1J14A		2070		56,58,60		15L, I6L, 011H, 012H
	1J19A		1J18A		2060		60		015L, I11H, I12H
	7J22D		7J17D		2060		49		I11L, 015H, I11L* I12L
	0J19B		0J18B		2930		63,64		19L, I12L
	0J19D		0J18D		2930		61,62		19L, I12L
	1J19B		1J18B		2930		63,64		19L, I12L
	2J19B		2J18B		2930		63,64		19L, I12L
	9J19B		9J18B		2930		63,64		19L, I12L
	9J19D		9J18D		2930		61,62		19L, I12L
	1J16F		1J12F		2070		52,60,69		015L, I10H
	1J16A		1J03A		2013		58		18L
	1J09B		1J08B		2900		66		I10L
	1J07B		1J06B		2060		66		18L
	1J13D		1J08D		2020		66		I14L
014575		000000		023023		017072		1375	
	3J08A		3J10A		2050		17,23		I13L
014604		000000		000020		017101		1376	
	1J29E		1J25D		2070		57,58,67		012H
014604		000000		000023		017101		1377	
	1J14F		1J13F		2013		59		17H, I8H, 19H, 010H*011H*012H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
014604	1J14F	000000	1J13F	023000	2013	017101	59	1378	15H, 16H, 013H* 014H*015H
014604	4J06D 7J19F 1J13F 1J10D 7J03F 7J16C	000000	4J05D 7J16F 1J14F 1J21D 7J02F 7J03C	023023	2013 2060 2013 2060 2060 2070	017101	17,26 26,52 58 58,68 26,35 50,51	1379	17H, 18H, 19H, 010H*011H*012H 111L, 013L, 15H, 16H, 17H, 015H, 111L*112L 15L, 013L*014L* 015L 013L, 15H, 16H, 17H 112L, 015H, 111L* 112L 19L, 014H
014604	1J02G 1J04G	000001	1J03G 1J09G	000025	2090 2030	017101	73 73,73A	1380	011L, 16H 16L
014604	1J02G 1J04G	000001	1J03G 1J09G	025000	2090 2030	017101	73 73,73A	1381	010L, 15H 15L
014604	1J05G 1J04G	000002	1J03G 1J09G	000005	2090 2030	017101	73A 73,73A	1382	011L, 16H 113L
014604	1J05G 1J04G	000002	1J03G 1J09G	005000	2090 2030	017101	73A 73,73A	1383	010L, 15H 112L
014604	1J07G 1J09G	000003	1J06G 1J04G	000025	2090 2030	017101	73B 73B,74	1384	011L, 16H 16L
014604	1J07G 1J09G	000003	1J06G 1J04G	025000	2090 2030	017101	73B 73B,74	1385	010L, 15H 15L
014604	1J03E	000003	1J06E	031031	2900	017101	71	1386	110L, 111L
014604	1J10G	000004	1J08G	000005	2090	017101	74	1387	011L, 16H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J09G	1J07G	1J04G		2030		73B,74		I14L
014604	000004	00	005000		017101		1388		
	1J10G	1J08G			2090		74		010L,15H
	1J09G	1J04G			2030		73B,74		115L
014604	000005	00	000025		017101		1389		
	1J12G	1J11G			2090		74A		011L,16H
	1J14G	1J09G			2030		74A,74B		17L
014604	000005	00	025000		017101		1390		
	1J12G	1J11G			2090		74A		010L,15H
	1J14G	1J09G			2030		74A,74B		18L
014604	000006	00	000005		017101		1391		
	1J15G	1J13G			2090		74B		011L,16H
	1J14G	1J09G			2030		74A,74B		114L
014604	000006	00	005000		017101		1392		
	1J15G	1J13G			2090		74B		010L,15H
	1J14G	1J09G			2030		74A,74B		115L
014604	000007	00	000025		017101		1393		
	1J17G	1J16G			2090		75		011L,16H
	1J19G	1J14G			2030		75,75A		17L
014604	000007	00	025000		017101		1394		
	1J17G	1J16G			2090		75		010L,15H
	1J19G	1J14G			2030		75,75A		18L
014604	000010	00	000005		017101		1395		
	1J20G	1J18G			2090		75A		011L,16H
	1J19G	1J14G			2030		75,75A		114L
014604	000010	00	005000		017101		1396		
	1J20G	1J18G			2090		75A		010L,15H
	1J19G	1J14G			2030		75,75A		115L
014604	000011	00	000025		017101		1397		
	1J22G	1J21G			2090		75B		011L,16H
	1J24G	1J19G			2030		75B,76		17L
014604	000011	00	025000		017101		1398		
	1J22G	1J21G			2090		75B		010L,15H
	1J24G	1J19G			2030		75B,76		18L
014604	000012	00	000005		017101		1399		
	1J25G	1J23G			2090		76		011L,16H

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J24G		1J19G		2030		75B,76		I14L
014604		000012		005000		017101		1400	
	1J25G		1J23G		2090		76		010L,15H
	1J24G		1J19G		2030		75B,76		I15L
014604		000013		000025		017101		1401	
	1J02F		1J03F		2090		76A		011L,16H
	1J04F		1J09F		2030		76A,76B		I7L
014604		000013		025000		017101		1402	
	1J02F		1J03F		2090		76A		010L,15H
	1J04F		1J09F		2030		76A,76B		I8L
014604		000014		000005		017101		1403	
	1J05F		1J03F		2090		76B		011L,16H
	1J04F		1J09F		2030		76A,76B		I14L
014604		000014		005000		017101		1404	
	1J05F		1J03F		2090		76B		010L,15H
	1J04F		1J09F		2030		76A,76B		I15L
014604		000014		031031		017101		1405	
	1J06E		1J03E		2900		71		I10L,111L
014604		000015		000025		017101		1406	
	1J07F		1J06F		2090		77		011L,16H
	1J09F		1J04F		2030		77,77A		I7L
014604		000015		025000		017101		1407	
	1J07F		1J06F		2090		77		010L,15H
	1J09F		1J04F		2030		77,77A		I8L
014604		000016		000005		017101		1408	
	1J10F		1J08F		2090		77A		011L,16H
	1J09F		1J04F		2030		77,77A		I14L
014604		000016		005000		017101		1409	
	1J10F		1J08F		2090		77A		010L,15H
	1J09F		1J04F		2030		77,77A		I15L
014604		000017		000025		017101		1410	
	1J17F		1J11F		2090		77B		011L,16H
	1J19F		1J09F		2030		77B,78		I7L
014604		000017		025000		017101		1411	
	1J17F		1J11F		2090		77B		010L,15H
	1J19F		1J09F		2030		77B,78		I8L

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TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STCP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
014604		000020		000005	017101			1412	
	1J20F		1J18F		2090		78		011L,16H
	1J19F		1J09F		2030		77B,78		114L
014604		000020		005000	017101			1413	
	1J20F		1J18F		2090		78		010L,15H
	1J19F		1J09F		2030		77B,78		115L
014604		000021		000025	017101			1414	
	1J22F		1J21F		2090		78A		011L,16H
	1J24F		1J19F		2030		78A,78B		17L
014604		000021		025000	017101			1415	
	1J22F		1J21F		2090		78A		010L,15H
	1J24F		1J19F		2030		78A,78B		16L
014604		000022		000005	017101			1416	
	1J25F		1J23F		2090		78B		011L,16H
	1J24F		1J19F		2030		78A,78B		114L
014604		000022		005000	017101			1417	
	1J25F		1J23F		2090		78B		010L,15H
	1J24F		1J19F		2030		78A,78B		115L
014604		000060		011011	017101			1418	
	1J09E		1J06E		2900		71		110L
014604		000060		031031	017101			1419	
	1J09E		1J06E		2900		71		111L
014604		000104		002315	000000			1419A	
	7J17D		7J16D		2060		52		015H
014604		000300		031031	017101			1420	
	1J12E		1J09E		2900		71		110L,111L
014604		001001		025025	017101			1421	
	1J04G		1J09G		2030		73,73A		010H,15L*16L*
									17L*18L*19L
	1J02E		1J04E		2140		71		115L
	1J03E		1J06E		2900		71		19L
	4J07G		4J06G		2040		108		19H,110H
014604		001001		240240	017101			1422	
	1J03G		1J05G		2090		73		15L,16L,010H,
									011H
	1J04G		1J09G		2030		73,73A		010L,15H,16H,

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J03E		1J06E		2900		71		I7H, I8H, I9H I9H, 013H*015L, 013H
	1J02G		1J05G		2090		73		010H, 011H
	1J02E		1J04E		2140		71		115H
	4J07G		4J06G		2040		108		I10L
014604		001400		031031		017101		1423	
	1J15E		1J12E		2900		71,72		I10L, I11L
014604		002002		005005		017101		1424	
	1J04G		1J09G		2030		73,73A		011H, I12L*I13L* I14L
	1J04E		1J02E		2140		71		I15L
	1J03E		1J06E		2900		71		I12L
	4J06G		4J05G		2040		108		I9H, I10H
014604		002002		260260		017101		1425	
	1J06G		1J07G		2090		73A		I5L, I6L, 010H, 011H
	1J03E		1J06E		2900		71		I12H, 06H*08L, 06H
	1J04G		1J09G		2030		73,73A		011L, I12H, I13H, I14H, I15H
	1J05G		1J03G		2090		73A		010H, 011H
	1J04E		1J02E		2140		71		I15H
	4J06G		4J05G		2040		108		I10L
014604		003003		025025		017101		1426	
	1J09G		1J04G		2030		73B,74		010H, I5L*I6L* I7L*I8L*I9L
	1J05E		1J04E		2140		71		I15L
	1J06E		1J03E		2900		71		I9L
	4J05G		4J06G		2040		108		I9H, I10H
014604		003003		240240		017101		1427	
	1J08G		1J10G		2090		73B		I5L, I6L, 010H, 011H
	1J09G		1J04G		2030		73B,74		010L, I5H, I6H, I7H, I8H, I9H
	1J06E		1J03E		2900		71		I9H, 013H*015L, 013H
	1J07G		1J06G		2090		73B		010H, 011H
	1J05E		1J04E		2140		71		I15H
	4J05G		4J06G		2040		108		I10L
014604		004004		005005		017101		1428	
	1J09G		1J04G		2030		73B,74		011H, I12L*I13L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J07E		1J05E		2140		71		I14L
	1J06E		1J03E		2900		71		I15L
	4J07F		4J06F		2040		108		I12L
									I9H, I10H
014604		004004		260260		017101		1429	
	1J11G		1J12G		2090		74		I5L, I6L, 010H,
									011H
	1J06E		1J03E		2900		71		I12H, 06H*08L,
									06H
	1J09G		1J04G		2030		73B, 74		011L, I12H, I13H,
									I14H, I15H
	1J10G		1J08G		2090		74		010H, 011H
	1J07E		1J05E		2140		71		I15H
	4J07F		4J06F		2040		108		I10L
014604		005005		025025		017101		1430	
	1J14G		1J09G		2030		74A, 74B		010H, I5L*I6L*
									I7L*I8L*I9L
	1J08E		1J07E		2140		71		I15L
	1J09E		1J06E		2900		71		I9L
	4J06F		4J05F		2040		108		I9H, I10H
014604		005005		240240		017101		1431	
	1J13G		1J15G		2090		74A		I5L, I6L, 010H,
									011H
	1J14G		1J09G		2030		74A, 74B		010L, I5H, I6H,
									I7H, I8H, I9H
	1J09E		1J06E		2900		71		I9H, 013H*015L,
									013H
	1J12G		1J11G		2090		74A		010H, 011H
	1J08E		1J07E		2140		71		I15H
	4J06F		4J05F		2040		108		I10L
014604		006000		011011		017101		1432	
	1J18E		1J15E		2900		72		I10L
014604		006000		031031		017101		1433	
	1J18E		1J15E		2900		72		I11L
014604		006006		005005		017101		1434	
	1J14G		1J09G		2030		74A, 74B		011H, I12L*I13L*
									I14L
	1J10E		1J08E		2140		71		I15L
	1J09E		1J06E		2900		71		I12L
	4J05F		4J06F		2040		108		I9H, I10H
014604		006006		260260		017101		1435	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J16G		1J17G		2090		74B		I5L, I6L, 010H, 011H
	1J09E		1J06E		2900		71		I12H, 06H*08L, 06H
	1J14G		1J09G		2030		74A, 74B		011L, I12H, I13H, I14H, I15H
	1J15G		1J13G		2090		74B		010H, 011H
	1J10E		1J08E		2140		71		I15H
	4J05F		4J06F		2040		108		I10L

014604		007007		025025		017101		1436	
	1J19G		1J14G		2030		75, 75A		010H, I5L*I6L* I7L*I8L*I9L
	1J11E		1J10E		2140		71		I15L
	1J12E		1J09E		2900		71		I9L
	4J07E		4J06E		2040		109		I9H, I10H

014604		007007		240240		017101		1437	
	1J18G		1J20G		2090		75		I5L, I6L, 010H, 011H
	1J19G		1J14G		2030		75, 75A		010L, I5H, I6H, I7H, I8H, I9H
	1J12E		1J09E		2900		71		I9H, 013H*015L, 013H
	1J17G		1J16G		2090		75		010H, 011H
	1J11E		1J10E		2140		71		I15H
	4J07E		4J06E		2040		109		I10L

014604		010010		005005		017101		1438	
	1J19G		1J14G		2030		75, 75A		011H, I12L*I13L* I14L
	1J13E		1J11E		2140		71		I15L
	1J12E		1J09E		2900		71		I12L
	4J06E		4J05E		2040		109		I9H, I10H

014604		010010		260260		017101		1439	
	1J21G		1J22G		2090		75A		I5L, I6L, 010H, 011H
	1J12E		1J09E		2900		71		I12H, 06H*08L, 06H
	1J19G		1J14G		2030		75, 75A		011L, I12H, I13H, I14H, I15H
	1J20G		1J18G		2090		75A		010H, 011H
	1J13E		1J11E		2140		71		I15H
	4J06E		4J05E		2040		109		I10L

014604		011011		025025		017101		1440	
	1J24G		1J19G		2030		75B, 76		010H, I5L*I6L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CF	PLATE	SYMPTOM	FAULT
	1J14E		1J13E		2140		71		17L*18L*19L
	1J15L		1J12E		2900		71,72		115L
	4J05E		4J06E		2040		109		19L
									19H,110H
014604		011011		240240		017101		1441	
	1J23G		1J25G		2090		75B		15L,16L,010H, 011H
	1J24G		1J19G		2030		75B,76		010L,15H,16H, 17H,18H,19H
	1J15E		1J12E		2900		71,72		19H,013H*015L, 013H
	1J22G		1J21G		2090		75B		010H,011H
	1J14E		1J13E		2140		71		115H
	4J05E		4J06E		2040		109		110L
014604		012012		005005		017101		1442	
	1J24G		1J19G		2030		75B,76		011H,112L*113L* 114L
	1J16E		1J14E		2140		72		115L
	1J15L		1J12E		2900		71,72		112L
	4J07C		4J06C		2040		109		19H,110H
014604		012012		260260		017101		1443	
	1J26G		1J02G		2090		76		15L,16L,010H, 011H
	1J15E		1J12E		2900		71,72		112H,06H*08L, 06H
	1J24G		1J19G		2030		75B,76		011L,112H,113H, 114H,115H
	1J25G		1J23G		2090		76		010H,011H
	1J16L		1J14E		2140		72		115H
	4J07C		4J06C		2040		109		110L
014604		013013		025025		017101		1444	
	1J04F		1J09F		2030		76A,76B		010H,15L*16L* 17L*18L*19L
	1J17E		1J16E		2140		72		115L
	1J18E		1J15E		2900		72		19L
	4J06C		4J05C		2040		109		19H,110H
014604		013013		240240		017101		1445	
	1J03F		1J05F		2090		76A		15L,16L,010H, 011H
	1J04F		1J09F		2030		76A,76B		010L,15H,16H, 17H,18H,19H
	1J18E		1J15E		2900		72		19H,013H*015L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J02F		1J05F		2090		76A		010H, 011H
	1J17E		1J16E		2140		72		115H
	4J06C		4J05C		2040		109		110L
014604		014014		005005		017101		1446	
	1J04F		1J09F		2030		76A, 76E		011H, 112L*113L* 114L
	1J19E		1J17E		2140		72		115L
	1J18E		1J15E		2900		72		112L
	4J05C		4J06C		2040		109		19H, 110H
014604		014014		260260		017101		1447	
	1J06F		1J07F		2090		76B		15L, 16L, 010H, 011H
	1J18E		1J15E		2900		72		112H, 06H*08L, 06H
	1J04F		1J09F		2030		76A, 76E		011L, 112H, 113H, 114H, 115H
	1J05F		1J03F		2090		76B		010H, 011H
	1J19E		1J17E		2140		72		115H
	4J05C		4J06C		2040		109		110L
014604		015015		025025		017101		1448	
	1J09F		1J04F		2030		77, 77A		010H, 15L*16L* 17L*18L*19L
	1J20E		1J19E		2140		72		115L
	1J21E		1J18E		2900		72		19L
	4J07B		4J06B		2040		110		19H, 110H
014604		015015		240240		017101		1449	
	1J08F		1J10F		2090		77		15L, 16L, 010H, 011H
	1J09F		1J04F		2030		77, 77A		010L, 15H, 16H, 17H, 18H, 19H
	1J21E		1J18E		2900		72		19H, 013H*015L, 013H
	1J07F		1J06F		2090		77		010H, 011H
	1J20E		1J19E		2140		72		115H
	4J07E		4J06B		2040		110		110L
014604		016016		005005		017101		1450	
	1J21E		1J18E		2900		72		110L, 112L
	1J09F		1J04F		2030		77, 77A		011H, 112L*113L* 114L
	1J22E		1J20E		2140		72		115L
	4J06B		4J05B		2040		110		19H, 110H
014604		016016		260260		017101		1451	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J11F		1J17F		2090		77A		I5L, I6L, 010H, 011H
	1J21E		1J18E		2900		72		I12H, 06H*08L, 06H
	1J09F		1J04F		2030		77, 77A		011L, I12H, I13H, I14H, I15H
	1J10F		1J08F		2090		77A		010H, 011H
	1J22E		1J20E		2140		72		I15H
	4J06B		4J05B		2040		110		I10L

014604		017017		025025		017101		1452	
	1J19F		1J09F		2030		77B, 78		010H, I5L*I6L* I7L*I8L*I9L
	1J23L		1J22E		2140		72		I15L
	1J24E		1J21E		2900		72		I9L
	4J05B		4J06B		2040		110		I9H, I10H

014604		017017		240240		017101		1453	
	1J18F		1J20F		2090		77B		I5L, I6L, 010H, 011H
	1J19F		1J09F		2030		77B, 78		010L, I5H, I6H, I7H, I8H, I9H
	1J24E		1J21E		2900		72		I9H, 013H*015L, 013H
	1J17F		1J11F		2090		77B		010H, 011H
	1J23E		1J22E		2140		72		I15H
	4J05B		4J06B		2040		110		I10L

014604		020020		005005		017101		1454	
	1J19F		1J09F		2030		77B, 78		011H, I12L*I13L* I14L
	1J25E		1J23E		2140		72		I15L
	1J24E		1J21E		2900		72		I12L
	4J07A		4J06A		2040		110		I9H, I10H

014604		020020		260260		017101		1455	
	1J21F		1J22F		2090		78		I5L, I6L, 010H, 011H
	1J24E		1J21E		2900		72		I12H, 06H*08L, 06H
	1J19F		1J09F		2030		77B, 78		011L, I12H, I13H, I14H, I15H
	1J20F		1J18F		2090		78		010H, 011H
	1J25E		1J23E		2140		72		I15H
	4J07A		4J06A		2040		110		I10L

014604		021021		025025		017101		1456	
	1J24F		1J19F		2030		78A, 78B		010H, I5L*I6L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J26E		1J25E		2140		72		17L*18L*19L
	1J27E		1J24E		2900		72		I15L
	4J06A		4J05A		2040		110		I9L
									I9H, I10H
014604		021021		240240		017101		1457	
	1J23F		1J25F		2090		78A		I5L, I6L, 010H,
									011H
	1J24F		1J19F		2030		78A, 78B		010L, I5H, I6H,
									I7H, I8H, I9H
	1J27E		1J24E		2900		72		I9H, 013H*015L,
									013H
	1J22F		1J21F		2090		78A		010H, 011H
	1J26E		1J25E		2140		72		I15H
	4J06A		4J05A		2040		110		I10L
014604		022022		005005		017101		1458	
	1J24F		1J19F		2030		78A, 78B		011H, I12L*I13L*
									I14L
	1J28E		1J26E		2140		72		I15L
	1J27E		1J24E		2900		72		I12L
	4J05A		4J06A		2040		110		I9H, I10H
014604		022022		005005		417101		1459	
	8J06G		8J02G		2070		81		011L, I5H
014604		022022		260260		017101		1460	
	1J26F		1J02G		2090		78B		I5L, I6L, 010H,
									011H
	1J27E		1J24E		2900		72		I12H, 06H*08L,
									06H
	1J24F		1J19F		2030		78A, 78E		011L, I12H, I13H,
									I14H, I15H
	8J06G		8J02G		2070		81		I5L, 011H
	1J25F		1J23F		2090		78E		010H, 011H
	1J28E		1J26E		2140		72		I15H
	4J05A		4J06A		2040		110		I10L
014604		030000		031031		017101		1461	
	1J21F		1J18E		2900		72		I11L
014604		044704		471471		000012		1462	
	7J12F		7J11F		2000		104		I10L
014604		127234		471471		017101		1463	
	7J10C		7J08C		2000		105		I10L
014604		140000		031031		017101		1464	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	1J24E		1J21E		2900		72		I10L, I11L
014604	501101		471471		017101		1465		
	7J11E		7J10E		2000		104		19H, I10H
014604	504611		471471		017101		1466		
	7J11C		7J10C		2000		105		I10L
014604	507202		471471		017101		1467		
	7J12E		7J11E		2000		105		19H, I10H
014604	600000		031031		017101		1468		
	1J27L		1J24E		2900		72		I10L, I11L
014604	767677		031031		017101		1469		
	1J13F		1J14F		2013		58		17L, 010L*011L* 012L
014724	400000		000004		017101		1470		
	1J19D		1J18D		2930		61,62		19H, 013H*015L, 013H
	1J21D		1J10D		2060		38,61		015L, I11H, I12H
	1J12B		1J11B		2030		66		I15L
	1J32A		1J31A		2030		65		I7L
014724	400000		000005		017101		1471		
	1J19D		1J18D		2930		61,62		I14L, I7L*I14L
	1J19C		1J17C		2050		56		09L, I7H
* WHEN P=014771 CHECK EF/00 AND ID ACKNOWLEDGE BEFORE CHANGING MODULES.									
014771*	003001		000002		017101		1472		
	4J13C		4J27E		2050		29,101		I13L
014771*	003001		000010		017101		1473		
	3J07G		3J13G		2920		36		I9L
014771*	003001		000041		017101		1474		
	1J20C		1J19C		2050		57		010L, I13H, I14H, I15H
	1J26C		1J21C		2060		57,62		I11L, 015H, I11L* I12L
	1J18D		1J17D		2930		61,62		I10L
014771*	003001		000102		017101		1475		
	3J35F		3J27F		2070		04		012L, I7H

NAVSEA OF 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CL	PLATL	SYMPTOM	FAULT
	1J06B		1J09B		2900		66		I10L
014771*	7J09C	003001	7J15C	000204	2013	017101	14	1476	I5L, I7L, 010L* 011L*012L
	1J12F		1J16F		2070		56,57		I5L, 011H
	1J20C		1J19C		2050		57		I7H, I8H
014771*	7J22A	003001	7J16A	001020	2060	017101	30,52	1477	I5L, I6L, 013H, 014H, I5L*16L* I7L, I8L*19L* I10L
	7J23A		7J02B		2060		30,31		I10L, 013H, 014H, I5L*16L*17L, I8L* 19L*I10L
	7J02C		7J18C		2030		23,30		011L, I12H, I13H, I14H, I15H
	1J13A		1J16C		2050		69,70		09L, I5H, I6H
	1J18A		1J10A		2060		59,69,70		013H, I5L*16L* I7L
	3J09C		3J04C		2060		53,30		I7L
	7J16G		7J33B		2050		28,49		I11L
015323	8J08G	000001	8J09F	000000	2900	000000	120	1478	I10L
015323	8J16C	000004	8J24E	000000	2013	000000	24,25	1479	I6L
015323	3J26F	000014	3J12F	017050	2050	000000	14,12	1480	I5H, I6H
015561	1J35D	000000	1J30G	000335	2930	017101	38	1481	I7H, 013L*015H
	1J31D		1J30D		2930		61,62		I7L
015561	1J06B	000002	1J21B	000002	2060	017101	66,69	1482	015L, I11H, I12H
	1J07B		1J21E		2060		66		I9L
015561	1J06B	000040	1J07B	000040	2060	017101	66,69	1483	I12L
	7J19C		7J22C		2060		53		I12L
015561	1J35D	000235	1J31D	000000	2930	017101	38	1484	I5H

NAVSEA OF 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
015561		000335		000000		017101		1485	
	1J31D		1J30D		2930		61,62		15L
	1J35D		1J30G		2930		3E		0EH*06L
015561		000335		000335		017101		1486	
	1J35D		1J31D		2930		3E		110L,110L*112L,
	1J31C		1J30C		2050		56		19L*110L
									09L,17H,18H
016023		012221		012220		002135		1487	
	8J04G		7J16G		2060		40,107		113L
016023		017101		011340		001246		1488	
	7J26G		7J19G		2050		54,55		09L
016023		017101		011612		001525		1489	
	7J23E		7J17E		2060		35,49,54		014H,18L*19L*
	7J26G		7J19G		2050		54,55		110L
									17H,18H
016023		017101		016574		000137		1490	
	8J15E		8J17E		2000		114		17L,111L,115L,
									15H,16H,115H,
									013H*014L,013L*
									014H,15L*16L,
									17L*18L,19L*
									110L,111L*112L,
									014H,013H
	8J16E		8J17E		2000		114		17L,115L,15H,
									16H,115H,013H*
									014L,013L*014H,
									15L*16L,17L*18L,
									19L*110L,111L*
									112L,014H,013H
016023		017101		017006		002135		1491	
	7J12F		7J11F		2000		104		19H,110H
016023		017101		017042		000126		1492	
	7J12G		7J11G		2000		104		19H,110H
016023		017101		017044		000166		1493	
	7J11G		7J10G		2000		104		19H,110H
016023		017101		017056		001672		1494	
	8J09A		8J08A		2900		11E		110L
016023		017101		010706		000650		1495	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J21C		3J20C		2060		44		I10L
016023	7J10F	017103	7J08F	017040	2000	000003	104	1496	19H, I10H
016023	3J30F	024416	3J29F	503377	2030	013702	14,03	1497	I5L
016023	3J26G	127205	3J11G	012177	2040	002135	12	1498	I5H, I6H
016023	7J23E	407102	7J17E	012010	2060	001672	35,49,54	1499	I9L
016023	3J13G	500203	3J07G	015156	2920	014730	35	1500	I7L
016023	3J07G	503400	3J13G	000000	2920	000000	36	1501	I8L
016023	1J12C	504200	1J11C	014017	2130	013702	68	1502	I9L
016023	8J32D	504622	8J31D	014140	3780	013702	129	1503	I5L
	8J35C		8J34C		3780		129		I10L
016023	1J10C	504622	1J09C	014142	2130	013702	68	1504	I9L
016023	3J28D	520071	3J24D	002000	2900	000137	12	1505	I10L
016023	7J10F	777700	7J08F	017056	2000	001672	104	1506	I10L
016221	1J22C	000000	1J34C	000000	2030	000000	62	1507	I9L
	2J22C		2J34C		2030		62		I9L
016221	7J32A	003001	7J31A	000000	2020	000151	31	1508	I13L, I14L, I5H, I6H, I7H, O11H* O12L, I13L+I14L* I15L, O11H O13L, I5H, I6H, I7H I12L, O15H, I11L*
	3J17G		3J15G		2060		47		
	7J23A		7J22A		2060		30,31		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIKAT CONTROL - PROGRAM STOP CONDITION

P	LCC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	7J16E 3JL9D		7J19E 3J05A		2070 2040	10,49,50,54 30		I12L 013L,17H 15L,114L
016547	3J29A	001245	3J30A	507300	000151	2020	1509	15L,18L,113H, 114H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H 17L,18L,010L* 011L*012L 17H,18H,19H
	3J22A		3J15A		2013	13,43		
	3J29C		3J25C		2013	13		
016556	7J17F	001246	7J18F	503400	000151	2030	1510	I14L
016556	3J20G 3J06E	001246	3J16G 3J04E	507300	000017	2070 2060	1511	013L,17H 17L
016556	3J21G 3J29B 7J02L	001246	3J19G 3J19B	507300	000151	2060 2050 2160	1512	I11L,014L,18H, 19H,110H 010H,111L*112L, 113L*114L*115L 111L,015H,16L* 17L*18L*19L* 110L*111L*112L* 113L
	7J16D 7J16G		7J09D 7J33B		2060 2060	49 28,49		15L 112L
016556	7J14B	001246	7J17B	507300	307712	2900	1513	17L,013L*015H, 17L*15L*114L, 110L*112L*19L, 015H
017002	1J07A	000000	1J02A	505640	002411	2060	1514	013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
	9J07A		9J02A		2060	65		013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J22D		7J17D		2060		49		I12H I5L, I8L, 014H, I8L*I9L*I10L
	1J17A		1J16A		2013		58		I7L
	9J17A		9J16A		2013		58		I7L
	1J21B		1J07B		2060		38,63		I8L
	1J21C		1J18C		2060		38,62		I8L
	1J21D		1J10D		2060		38,61		I8L
	7J03E		7J04E		2060		50		I5L
	9J21B		9J07B		2060		38,63		I8L
	9J21C		9J18C		2060		38,62		I8L
	9J21D		9J10D		2060		38,61		I8L

017002		777700		505640		017101		1515	
	1J19C		1J17C		2050		56		I5L, I7L, 09H, I5L* I6L, I7L*I8L
	1J19D		1J18D		2930		61,62		I5H

020513		557760		000000		000151		1516	
	3J13G		3J07G		2920		35		I11L

022005		000000		00001X		000151		1517	
	7J29B		7J19B		2060		32		014L, 18H, 19H, I10H
	7J30A		7J29A		2090		32		I6L, 011H
	7J32C		7J31C		2020		31		I6L

022012		000000		000000		000151		1518	
	7J29C		7J22C		2060		32		013L, 15H, 16H, I7H
	7J26A		7J27A		2090		32		I6L, 011H
	7J32B		7J31B		2020		31		I6L

022771		000017		110021		000151		1519	
	6J33C		6J35C		0900		136, 135, 145		I24H, 128H, I31L

023003		000117		110117		000151		1520	
	5J33C		6J33C		0900		136, 135, 145		I16H, I23L, I24L, 021H*022H, 035L* 036L
	5J35C		6J33C		0900		136, 135, 145		I15H, 131H, I23L, I24L, 035L*036L

023003		000217		110217		000151		1521	
	5J33C		6J33C		0900		136, 135, 145		I23H, I15L, I16L, 035H*036H, 09L* 010L
	5J35C		6J33C		0900		136, 135, 145		I15L, I16L, 09L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	5J23C		5J21C		0761	135,138,175		010L 024L
023003		000377		110377	000151		1522	
	5J17C		5J15C		0761	136,137,175		151H,046L
	5J33C		5J35C		0900	136,135,145		145L,047L*048L
	5J19C		5J21C		0761	135,136,175,138		03L*04L
	5J29C		5J37C		0040	136		015H*020H
023011		000317		110317	000151		1523	
	5J27C		6J27C		0280	135		19H,139H,124L, 032L,047L,010L
	5J33C		6J33C		0900	136,135,145		13L,14L,011L* 012L
	5J35C		6J33C		0900	136,135,145		15L,16L,017L* 018L
	5J29C		5J37C		0040	136		111L,116L,118L
	5J23C		5J21C		0761	135,138,175		012L
023040		103221		103223	000151		1524	
	5J26A		5J25A		0651	163		148H
023045		050446		000010	000151		1525	
	6J35E		6J34E		0651	167		148H
023045		055644		010000	000151		1526	
	6J26E		6J25E		0651	172		148H
023045		100045		000004	000151		1527	
	5J36A		5J35A		0651	158		148H
023045		100500		000040	000151		1528	
	5J33A		5J32A		0651	159		148H
023045		100620		001000	000151		1529	
	5J29A		5J28A		0651	161		148H
023045		106444		200000	000151		1530	
	5J22A		5J21A		0651	165		148H
023045		XX0000		004000	000151		1531	
	5J27A		5J26A		0651	162		148H
023045		XX7070		000100	000151		1532	
	5J32A		5J31A		0651	160		148H
023144		070777		040000	000151		1533	
	6J29D		6J27D		0400	148		127L,129L,130L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023144	6J29D	071777	6J27D	040000	0400	000151	148	1534	I25H, I27H
023144	6J29D	071777	6J27D	041000	0400	000151	148	1535	I25L, I26L
023144	6J29D	072777	6J27D	042000	0400	000151	148	1536	I30H, I19L
023144	6J21C	073777	6J19C	040000	0761	000151	135,136,138,175	1537	012L
023144	6J29D	073777	6J27D	042000	0400	000151	148	1538	I17H, I19H
023144	6J29D	073777	6J27D	043000	0400	000151	148	1539	I26H, I17L, I18L
023144	6J29D	074777	6J27D	040000	0400	000151	148	1540	I29H, I33H
023144	6J29D	074777	6J27D	044000	0400	000151	148	1541	I33L, I35L, I36L
023144	6J21C	075777	6J19C	040000	0761	000151	135,136,138,175	1542	024L
023144	6J29D	075777	6J27D	041000	0400	000151	148	1543	I41H
023144	6J29D	075777	6J27D	044000	0400	000151	148	1544	I35H, I39H
023144	6J29D	075777	6J27D	045000	0400	000151	148	1545	I39L, I41L, I42L
023144	6J31B	076234	6J29B	066200	0400	000151	143,147	1546	I30H
023144	6J19C	076777	6J17C	040000	0761	000151	135,136,138,175	1547	012L
023144	6J34D	076777	6J32D	042000	0400	000151	148,151	1548	I33H
023144	6J34D	076777	6J32D	044000	0400	000151	148,151	1549	I36H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023144		076777		046000		000151		1550	
	6J34D		6J32D		0400		148,151		I33L,I35L,I36L
	6J29D		6J27D		0400		148		I36H
023144		077077		040000		000151		1551	
	6J31B		6J29B		0400		143,147		I27L,I29L,I30L
023144		077177		040000		000151		1552	
	6J31B		6J29B		0400		143,147		I25H
023144		077177		040100		000151		1553	
	6J31B		6J29B		0400		143,147		I27H,I25L,I26L
023144		077277		040200		000151		1554	
	6J31B		6J29B		0400		143,147		I19L
023144		077377		040000		000151		1555	
	6J19C		6J17C		0761		135,136,138,175		024L
023144		077377		040200		000151		1556	
	6J31B		6J29B		0400		143,147		I18H
023144		077377		040300		000151		1557	
	6J31B		6J29B		0400		143,147		I19H,I17L,I18L
023144		077477		040000		000151		1558	
	6J25D		6J27D		0400		147,150		I29H
	6J31B		6J29B		0400		143,147		I29H
023144		077477		040400		000151		1559	
	6J25D		6J27D		0400		147,150		I27L,I29L,I30L
023144		077577		040000		000151		1560	
	6J17C		6J15C		0761		136,137,175		012L
023144		077577		040400		000151		1561	
	6J25D		6J27D		0400		147,150		I25H
023144		077577		040500		000151		1562	
	6J25D		6J27D		0400		147,150		I27H,I25L,I26L
023144		077677		040000		000151		1563	
	6J17C		6J15C		0761		136,137,175		024L
023144		077677		040600		000151		1564	
	6J25D		6J27D		0400		147,150		I19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023144	6J34D	077707	6J32D	040000	0400	000151	148,151	1565	I27L, I29L, I30L
023144	6J34D	077717	6J32D	040000	0400	000151	148,151	1566	I25H, I27H
023144	6J34D	077717	6J32D	040010	0400	000151	148,151	1567	I25L, I26L
023144	6J34D	077727	6J32D	040020	0400	000151	148,151	1568	I30H, I19L
023144	6J15C	077737	6J13C	040000	0761	000151	137,175	1569	I34H, 026L
023144	6J34D	077737	6J32D	040020	0400	000151	148,151	1570	I17H, I19H
023144	6J34D	077737	6J32D	040030	0400	000151	148,151	1571	I26H, I17L, I18L
023144	6J25D	077740	6J27D	050700	0400	000151	147,150	1572	I26H
023144	6J32D	077747	6J29D	040000	0400	000151	151	1573	I29H
023144	6J32D 6J34D	077747	6J29D 6J29D	040040	0400 0400	000151	151 148,151	1574	I27L, I29L, I30L I29H
023144	6J15C	077757	6J13C	040000	0761	000151	137,175	1575	012L
023144	6J32D	077757	6J29D	040040	0400	000151	151	1576	I25H, I27H
023144	6J32D	077757	6J29D	040050	0400	000151	151	1577	I25L, I26L
023144	6J15C	077767	6J13C	040000	0761	000151	137,175	1578	024L
023144	6J32D	077767	6J29D	040060	0400	000151	151	1579	I30H, I19L
023144	6J25D	077770	6J27D	040000	0400	000151	147,150	1580	I33L, I35L, I36L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
023144	6J25D	077771	6J27D	04000	000151	147,150	1581	I35H,I39H
023144	6J25D	077771	6J27D	040001	000151	147,150	1582	I39L,I41L,I42L
023144	6J27D	077772	6J25D	040000	000151	150	1583	I36H
023144	6J27D 6J25D	077772	6J29D 6J29D	040002	000151	150 147,150	1584	I33L,I35L,I36L I36H
023144	6J13C	077773	6J15C	040000	000151	137,175	1585	I34H,026L
023144	6J27D	077773	6J25D	040001	000151	150	1586	I42H
023144	6J27D	077773	6J25D	040002	000151	150	1587	I35H,I39H
023144	6J27D 6J25D	077773	6J29D 6J29D	040003	000151	150 147,150	1588	I39L,I41L,I42L I42H
023144	6J36D 6J25D 6J27D	077774	6J23D 6J29D 6J29D	040000	000151	151 147,150 150	1589	I44L I33H I29H
023144	6J25D	077775	6J27D	040001	000151	147,150	1590	I41H
023144	6J27D	077776	6J25D	040002	000151	150	1591	I33H
023144	6J27D	077776	6J25D	040006	000151	150	1592	I30H,I19L
023144	6J13C	077777	6J15C	040002	000151	137,175	1593	012H,I22L
023144	6J27D	077777	6J25D	040003	000151	150	1594	I18H,I41H
023144		077777		040006	000151		1595	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J27D		6J25D		0400		150		I17H, I19H
023144		077777		040007		000151		1596	
	6J27D		6J25D		0400		150		I26H, I17L, I18L
023144		077777		040020		000151		1597	
	6J15C		6J13C		0761		137, 175		012H, I22L
023144		077777		040030		000151		1598	
	6J32D		6J29D		0400		151		I18H
023144		077777		040040		000151		1599	
	6J15C		6J13C		0761		137, 175		026H, I33L, I34L
023144		077777		040060		000151		1600	
	6J32D		6J29D		0400		151		I17H, I19H
023144		077777		040070		000151		1601	
	6J32D		6J29D		0400		151		I26H
	6J34D		6J29D		0400		148, 151		I18H
023144		077777		040200		000151		1602	
	6J17C		6J15C		0761		136, 137, 175		012H, I22L
023144		077777		040300		000151		1603	
	6J25D		6J27D		0400		147, 150		I18H
023144		077777		040600		000151		1604	
	6J25D		6J27D		0400		147, 150		I17H
023144		077777		043000		000151		1605	
	6J29D		6J27D		0400		148		I18H
	6J34D		6J32D		0400		148, 151		I41H
023144		077777		045000		000151		1606	
	6J34D		6J32D		0400		148, 151		I42H
023144		077777		046000		000151		1607	
	6J34D		6J32D		0400		148, 151		I35H, I39H
023144		XX0377		400001		000151		1608	
	6J23E		6J22E		0651		173		I48H
023144		XX0777		100000		000151		1609	
	5J34B		5J25B		0400		140, 142		I33L, I35L, I36L
	5J32B		5J31B		0400		140		I36H
023144		XX1777		100000		000151		1610	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AD	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J34B		5J32B		0400		140,142		135H,139H
023144	XX1777			101000		000151		1611	
	5J34B		5J32B		0400		140,142		139L,141L,142L
023144	XX2777			102000		000151		1612	
	5J32B		5J31B		0400		140		133L,135L,136L
	5J34B		5J25B		0400		140,142		136H
023144	XX3777			100000		000151		1613	
	5J21C		5J19C		0761		135,136,138,175		019L*010H*012H
023144	XX3777			101000		000151		1614	
	5J32B		5J31B		0400		140		142H
023144	XX3777			102000		000151		1615	
	5J32B		5J31B		0400		140		135H,139H
023144	XX3777			103000		000151		1616	
	5J32B		5J31B		0400		140		139L,141L,142L
	5J34B		5J25B		0400		140,142		142H
023144	XX4777			100000		000151		1617	
	5J32B		5J31B		0400		140		129H
	5J34B		5J25B		0400		140,142		133H
023144	XX4777			104000		000151		1618	
	5J32B		5J31B		0400		140		127L,129L,130L
023144	XX5777			101000		000151		1619	
	5J34B		5J32B		0400		140,142		141H
023144	XX5777			104000		000151		1620	
	5J32B		5J31B		0400		140		125H,127H
023144	XX5777			105000		000151		1621	
	5J32B		5J31B		0400		140		125L,126L
023144	XX6777			100000		000151		1622	
	5J19C		5J17C		0761		135,136,175,138		010L,019L*010H*012H
023144	XX6777			102000		000151		1623	
	5J32B		5J31B		0400		140		133H
023144	XX6777			106000		000151		1624	
	5J32B		5J31B		0400		140		130H,119L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023144	XX7177		100100		000151			1625	
	5J25B		5J27B		0400		139		I27H,I25L,I26L
023144	XX7277		100200		000151			1626	
	5J25B		5J27B		0400		139		I19L
023144	XX7377		100000		000151			1627	
	5J19C		5J17C		0761		135,136,175,138		06L*018H*024H
023144	XX7377		100200		000151			1628	
	5J25B		5J27B		0400		139		I18H
023144	XX7377		100300		000151			1629	
	5J25B		5J27B		0400		139		I19H,I17L,I18L
023144	XX7477		100000		000151			1630	
	5J25B		5J27B		0400		139		I29H
023144	XX7477		100400		000151			1631	
	5J25B		5J29B		0400		139		I33L,I35L,I36L
	5J27B		5J29B		0400		139,142		I36H
023144	XX7577		100100		000151			1632	
	5J25B		5J27B		0400		139		I41H
023144	XX7577		100400		000151			1633	
	5J25B		5J27B		0400		139		I39H
023144	XX7577		100500		000151			1634	
	5J25B		5J27B		0400		139		I35H,I39L,I41L, I42L
023144	XX7677		100200		000151			1635	
	5J27B		5J25B		0400		139,142		I33H
023144	XX7677		100600		000151			1636	
	5J27B		5J25B		0400		139,142		I33L,I35L,I36L
023144	XX7707		100000		000151			1637	
	5J29B		5J27B		0400		143		I25H,I33H,I27L, I29L,I30L
023144	XX7717		100000		000151			1638	
	5J29B		5J27B		0400		143		I27H
023144	XX7717		100010		000151			1639	
	5J29B		5J27B		0400		143		I41H,I25L,I26L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023144		XX7727		100020		000151		1640	
	5J29B		5J27B		0400		143		I30H,I19L
	5J31B		5J32B		0400		143,147		I33H
023144		XX7737		100020		000151		1641	
	5J29B		5J27B		0400		143		I17H,I19H
023144		XX7737		100030		000151		1642	
	5J29B		5J27B		0400		143		I26H,I17L,I18L
	5J31B		5J32B		0400		143,147		I41H
023144		XX7747		100040		000151		1643	
	5J29B		5J27B		0400		143		I29H,I39H,I33L,
	5J31B		5J32B		0400		143,147		I35L,I36L
									I36H
023144		XX7757		100040		000151		1644	
	5J29B		5J27B		0400		143		I35H
023144		XX7757		100050		000151		1645	
	5J29B		5J27B		0400		143		I39L,I41L,I42L
	5J31B		5J32B		0400		143,147		I42H
023144		XX7767		100000		000151		1646	
	5J15C		5J13C		0761		137,175		018L,06L*018H*
									024H
023144		XX7767		100060		000151		1647	
	5J31B		5J32B		0400		143,147		I39H,I33L,I35L,
	5J29B		5J27B		0400		143		I36L
									I36H
023144		XX7771		100000		000151		1648	
	5J27B		5J25B		0400		139,142		I25H,I27H
023144		XX7771		100001		000151		1649	
	5J27B		5J25B		0400		139,142		I25L,I26L
023144		XX7772		100002		000151		1650	
	5J27B		5J25B		0400		139,142		I30H,I19L
023144		XX7773		100000		000151		1651	
	5J13C		5J15C		0761		137,175		03L*04L,03H*04H
023144		XX7773		100002		000151		1652	
	5J27B		5J25B		0400		139,142		I17H,I19H
023144		XX7773		100003		000151		1653	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J27B		5J25B		0400		139,142		I26H,I17L,I18L
023144	5J34B	XX7774	5J32B	100000	0400	000151	140,142	1654	I29H
023144	5J34B	XX7776	5J32B	100006	0400	000151	140,142	1655	I30H,I19L
023144	5J13C	XX7777	5J15C	100002	0761	000151	137,175	1656	010H,I20L
023144	5J27B 5J34B	XX7777	5J25B 5J32B	100003	0400 0400	000151	139,142 140,142	1657	I18H I18H
023144	5J34B	XX7777	5J32B	100006	0400	000151	140,142	1658	I17H,I19H
023144	5J34B	XX7777	5J32B	100007	0400	000151	140,142	1659	I26H,I17L,I18L
023144	5J15C	XX7777	5J13C	100040	0761	000151	137,175	1660	046H,I51L,I54L
023144	5J31B 5J29B	XX7777	5J32B 5J27B	100070	0400 0400	000151	143,147 143	1661	I39L,I41L,I42L I18H
023144	5J17C	XX7777	5J15C	100100	0761	000151	136,137,175	1662	018H,I5L
023144	5J25B 5J27B	XX7777	5J29B 5J29B	100300	0400 0400	000151	139 139,142	1663	I17H I41H
023144	5J27B	XX7777	5J25B	100600	0400	000151	139,142	1664	I39H
023144	5J27B	XX7777	5J25B	100700	0400	000151	139,142	1665	I35H,I39L,I41L, I42L
023144	5J21C	XX7777	5J19C	102000	0761	000151	135,136,138,175	1666	018H,I5L
023144	5J32B	XX7777	5J31B	103000	0400	000151	140	1667	I18H,I41H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
023144	5J31A	XX7777	5J30A	104000	000151	160	1668	I46H
023144	5J32B	XX7777	5J31B	106000	000151	140	1669	I17H,I19H
023144	5J32B	XX7777	5J31B	107000	000151	140	1670	I26H,I17L,I18L
023306	6J38E	XX0001	6J37E	000001	000151	166	1671	I41L
023306	6J37E	XX0001	6J36E	000002	000151	166A	1672	I41L
023306	6J36E	XX0001	6J35E	000004	000151	167	1673	I41L
023306	6J35E	XX0001	6J34E	000010	000151	167	1674	I41L
023306	6J34E	XX0001	6J33E	000020	000151	168	1675	I41L
023306	6J33E	XX0001	6J32E	000040	000151	168	1676	I41L
023306	6J32E	XX0001	6J31E	000100	000151	169	1677	I43H,I41L
023306	6J31E	XX0001	6J30E	000200	000151	169	1678	I41L
023306	6J30E	XX0001	6J29E	000400	000151	170	1679	I41L
023306	6J29E	XX0001	6J28E	001000	000151	170	1680	I43H,I41L
023306	6J28E	XX0001	6J27E	002000	000151	171	1681	I41L
023306	6J27E	XX0001	6J26E	004000	000151	171	1682	I41L
023306	6J26E	XX0001	6J25E	310000	000151	172	1683	I41L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
023306	6J25E	XX0001	6J24E	020000	000151	172	1684	I41L
023306	6J24E	XX0001	6J23E	040000	000151	173	1685	I41L
023306	6J23E	XX0001	6J22E	100000	000151	173	1686	I41L
023306	6J22E	XX0001	6J21E	200000	000151	174	1687	I41L
023306	6J21E	XX0001	6J22E	400000	000151	174	1688	I41L
023306	6J38E	XX0002	6J37E	000001	000151	166	1689	I42L
023306	6J37E	XX0002	6J36E	000002	000151	166A	1690	I42L
023306	6J36E	XX0002	6J35E	000004	000151	167	1691	I42L
023306	6J35E	XX0002	6J34E	000010	000151	167	1692	I42L
023306	6J34E	XX0002	6J33E	000020	000151	166	1693	I42L
023306	6J33E	XX0002	6J32E	000040	000151	168	1694	I42L
023306	6J32E	XX0002	6J31E	000100	000151	169	1695	I42L
023306	6J31E	XX0002	6J30E	000200	000151	169	1696	I42L
023306	6J30E	XX0002	6J29E	000400	000151	170	1697	I42L
023306	6J29E	XX0002	6J28E	001000	000151	170	1698	I42L
023306	6J27E	XX0002	6J26E	004000	000151	171	1699	I42L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306	6J26E	XX0002	6J25E	010000	0651	000151	172	1700	I42L
023306	6J25E	XX0002	6J24E	020000	0651	000151	172	1701	I42L
023306	6J24E	XX0002	6J23E	040000	0651	000151	173	1702	I42L
023306	6J23E	XX0002	6J22E	100000	0651	000151	173	1703	I42L
023306	6J22E	XX0002	6J21E	200000	0651	000151	174	1704	I42L
023306	6J21E	XX0002	6J22E	400000	0651	000151	174	1705	I42L
023306	6J33E	XX0003	6J32E	000040	0651	000151	168	1706	I48H
023306	6J38E	XX0004	6J37E	000001	0651	000151	166	1707	I40L
023306	6J37E	XX0004	6J36E	000002	0651	000151	166A	1708	I40L
023306	6J36E	XX0004	6J35E	000004	0651	000151	167	1709	I40L
023306	6J35E	XX0004	6J34E	000010	0651	000151	167	1710	I40L
023306	6J34E	XX0004	6J33E	000020	0651	000151	168	1711	I48H, I40L
023306	6J33E	XX0004	6J32E	000040	0651	000151	168	1712	I40L
023306	6J32E	XX0004	6J31E	000100	0651	000151	169	1713	I40L
023306	6J31E	XX0004	6J30E	000200	0651	000151	169	1714	I40L
023306	6J30E	XX0004	6J29E	000400	0651	000151	170	1715	I48H, I40L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306	6J29E	XX0004	6J28E	001000	0651	000151	170	1716	I40L
023306	6J28E	XX0004	6J27E	002000	0651	000151	171	1717	I40L
023306	6J27E	XX0004	6J26E	004000	0651	000151	171	1718	I40L
023306	6J26E	XX0004	6J25E	010000	0651	000151	172	1719	I40L
023306	6J25E	XX0004	6J24E	020000	0651	000151	172	1720	I40L
023306	6J24E	XX0004	6J23E	040000	0651	000151	173	1721	I40L
023306	6J23E	XX0004	6J22E	100000	0651	000151	173	1722	I40L
023306	6J22E	XX0004	6J21E	200000	0651	000151	174	1723	I40L
023306	6J21E	XX0004	6J22E	400000	0651	000151	174	1724	I40L
023306	6J38E	XX0007	6J37E	000001	0651	000151	166	1725	I36H, 148H
023306	6J37E	XX0007	6J36E	000002	0651	000151	166A	1726	I36H
023306	6J36E	XX0007	6J35E	000004	0651	000151	167	1727	I36H
023306	6J35E	XX0007	6J34E	000010	0651	000151	167	1728	I36H
023306	6J34E	XX0007	6J33E	000020	0651	000151	168	1729	I36H
023306	6J33E	XX0007	6J32E	000100	0651	000151	168	1730	I36H
023306	6J32E	XX0007	6J31E	000200	0651	000151	169	1731	I36H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LGC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306		XX0007		000400		000151		1732	
	6J30E		6J29E		0651		170		136H
	6J31E		6J32E		0651		169		136H
023306		XX0007		001000		000151		1733	
	6J29E		6J28E		0651		170		136H
023306		XX0007		002000		000151		1734	
	6J22E		6J27E		0651		171		136H
023306		XX0007		004000		000151		1735	
	6J27E		6J26E		0651		171		136H
023306		XX0007		010000		000151		1736	
	6J26E		6J25E		0651		172		136H
023306		XX0007		020000		000151		1737	
	6J25E		6J24E		0651		172		136H
023306		XX0007		040000		000151		1738	
	6J24E		6J23E		0651		173		136H
023306		XX0007		100000		000151		1739	
	6J23E		6J22E		0651		173		136H
023306		XX0007		200000		000151		1740	
	6J22E		6J21E		0651		174		136H
023306		XX0007		400000		000151		1741	
	6J21E		6J22E		0651		174		136H
023306		XX0010		000001		000151		1742	
	6J38E		6J37E		0651		166		136L
023306		XX0010		000002		000151		1743	
	6J37E		6J36E		0651		166A		148H
023306		XX0010		000004		000151		1744	
	6J36E		6J35E		0651		167		148H,136L
023306		XX0010		000010		000151		1745	
	6J35E		6J34E		0651		167		148H,136L
023306		XX0010		000020		000151		1746	
	6J34E		6J33E		0651		168		136L
023306		XX0010		000040		000151		1747	
	6J33E		6J32E		0651		168		136L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306	6J32E	XX0010	6J31E	000100	0651	000151	169	1748	I36L
023306	6J31E	XX0010	6J30E	000200	0651	000151	169	1749	I36L
023306	6J30E	XX0010	6J29E	000400	0651	000151	170	1750	I36L
023306	6J29E	XX0010	6J28E	001000	0651	000151	170	1751	I36L
023306	6J28E	XX0010	6J27E	002000	0651	000151	171	1752	I36L
023306	6J27E	XX0010	6J26E	004000	0651	000151	171	1753	I36L
023306	6J26E	XX0010	6J25E	010000	0651	000151	172	1754	I36L
023306	6J25E	XX0010	6J24E	020000	0651	000151	172	1755	I36L
023306	6J24E	XX0010	6J23E	040000	0651	000151	173	1756	I36L
023306	6J23E	XX0010	6J22E	100000	0651	000151	173	1757	I36L
023306	6J22E	XX0010	6J21E	200000	0651	000151	174	1758	I36L
023306	6J21E	XX0010	6J22E	400000	0651	000151	174	1759	I36L
023306	6J38E	XX0017	6J37E	000001	0651	000151	166	1760	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L I27H
	6J13C		6J15C		0761		137, 175		
023306	6J36E	XX0017	6J35E	000004	0651	000151	167	1761	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L I25H
	6J13C		6J15C		0761		137, 175		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306	6J34E	XX0017	6J33E	000020	0651	000151	168	1762	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
	6J15C		6J13C		0761		137,175		I32H
023306	6J33E	XX0017	6J32E	000040	0651	000151	168	1763	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J32E	XX0017	6J31E	000100	0651	000151	169	1764	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J31E	XX0017	6J30E	000200	0651	000151	169	1765	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J30E	XX0017	6J29E	000400	0651	000151	170	1766	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J29E	XX0017	6J28E	001000	0651	000151	170	1767	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J28E	XX0017	6J27E	002000	0651	000151	171	1768	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
	6J19C		6J17C		0761		135,136,138,175		I32H
023306	6J27E	XX0017	6J26E	004000	0651	000151	171	1769	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L
023306	6J26E	XX0017	6J25E	010000	0651	000151	172	1770	I40H,I41H,I42H, I45H,I47H,I51L, I52L,I54L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023306	6J25E	XX0017	6J24E	020000	0651	000151	172	1771	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L
023306	6J24E	XX0017	6J23E	040000	0651	000151	173	1772	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L
023306	6J23E	XX0017	6J22E	100000	0651	000151	173	1773	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L
023306	6J22E	XX0017	6J21E	200000	0651	000151	174	1774	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L
023306	6J21E	XX0017	6J22E	400000	0651	000151	174	1775	I40H, I41H, I42H, I45H, I47H, I51L, I52L, I54L
023316	5J38A	XX0117	5J37A	000001	0651	000151	157	1776	I40L
023316	5J37A	XX0117	5J36A	000002	0651	000151	157A	1777	I40L
023316	5J36A	XX0117	5J35A	000004	0651	000151	158	1778	I40L
023316	5J35A	XX0117	5J34A	000010	0651	000151	158	1779	I40L
023316	5J34A	XX0117	5J33A	000020	0651	000151	159	1780	I36H, I40L
023316	5J33A	XX0117	5J32A	000040	0651	000151	159	1781	I40L
023316	5J32A	XX0117	5J31A	000100	0651	000151	160	1782	I40L
023316	5J31A	XX0117	5J30A	000200	0651	000151	160	1783	I40L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023316		XX0117	000400	000151				1784	
	SJ30A		SJ29A	0651			161		I36H,I49H,I40L
023316		XX0117	001000	000151				1785	
	SJ29A		SJ28A	0651			161		I40L
023316		XX0117	004000	000151				1786	
	SJ27A		SJ26A	0651			162		I40L
023316		XX0117	010000	000151				1787	
	SJ26A		SJ25A	0651			163		I40L
023316		XX0117	020000	000151				1788	
	SJ25A		SJ24A	0651			163		I48H,I40L
023316		XX0117	040000	000151				1789	
	SJ24A		SJ23A	0651			164		I48H,I40L
023316		XX0117	100000	000151				1790	
	SJ23A		SJ22A	0651			164		I48H,I40L
023316		XX0117	200000	000151				1791	
	SJ22A		SJ21A	0651			165		I48H,I40L
023316		XX0117	400000	000151				1792	
	SJ21A		SJ22A	0651			165		I48H,I40L
023316		XX0217	000001	000151				1793	
	SJ27C		6J27C	0280			135		I17H,I27L,030H
	SJ28A		SJ37A	0651			157		I36L
	SJ23C		SJ21C	0761			135,138,175		I51H
023316		XX0217	000002	000151				1794	
	SJ37A		SJ36A	0651			157A		I48H,I36L
023316		XX0217	000004	000151				1795	
	SJ36A		SJ35A	0651			158		I36L
023316		XX0217	000020	000151				1796	
	SJ34A		SJ33A	0651			159		I48H,I36L
023316		XX0217	000100	000151				1797	
	SJ32A		SJ31A	0651			160		I36L
023316		XX0217	000200	000151				1798	
	SJ31A		SJ30A	0651			160		I36L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
023316	5J30A	XX0217	5J29A	000400	000151	161	1799	I36L
023316	5J29A	XX0217	5J28A	001000	000151	161	1800	I36L
023316	5J26A	XX0217	5J25A	010000	000151	163	1801	I36L
023316	5J25A	XX0217	5J24A	020000	000151	163	1802	I36L
023316	5J24A	XX0217	5J23A	040000	000151	164	1803	I36L
023316	5J23A	XX0217	5J22A	100000	000151	164	1804	I36L
023316	5J22A	XX0217	5J21A	200000	000151	165	1805	I36L
023316	5J21A	XX0217	5J22A	400000	000151	165	1806	I36L
023316	5J38A	XX0317	5J37A	000001	000151	157	1807	I48H
023316	5J21A	XX0360	5J22A	377777	000151	165	1808	I53H, I44L, I47L, I48L
	5J23C		5J21C		0761	135, 138, 175		052L
023316	5J22A	XX0360	5J21A	577777	000151	165	1809	I53H, I44L, I47L, I48L
	5J23C		5J21C		0761	135, 138, 175		045L
023316	5J23A	XX0360	5J22A	677777	000151	164	1810	I53H, I44L, I47L, I48L
	5J23C		5J21C		0761	135, 138, 175		053L
023316	5J25A	XX0360	5J24A	757777	000151	163	1811	I53H, I44L, I47L, I48L
	5J21C		5J19C		0761	135, 136, 138, 175		045L
023316		XX0360		767777	000151		1812	

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	5J26A		5J25A		0651	163		153H,144L,147L, 148L
	5J21C		5J19C		0761	135,136,138,175		053L
023316		XX0360		773777	000151		1813	
	5J27A		5J26A		0651	162		153H,144L,147L, 148L
	5J19C		5J17C		0761	135,136,175,138		052L
023316		XX0360		775777	000151		1814	
	5J28A		5J27A		0651	162		153H,144L,147L, 148L
	5J19C		5J17C		0761	135,136,175,138		045L
023316		XX0360		776777	000151		1815	
	5J29A		5J28A		0651	161		153H,144L,147L, 148L
	5J19C		5J17C		0761	135,136,175,138		053L
023316		XX0360		777737	000151		1816	
	5J33A		5J32A		0651	159		153H,144L,147L, 148L
	5J15C		5J13C		0761	137,175		052L
023316		XX0360		777757	000151		1817	
	5J34A		5J33A		0651	159		153H,144L,147L, 148L
	5J15C		5J13C		0761	137,175		045L
023316		XX0360		777767	000151		1818	
	5J35A		5J34A		0651	158		153H,144L,147L, 148L
	5J15C		5J13C		0761	137,175		053L
023316		XX0377		000001	000151		1819	
	5J38A		5J37A		0651	157		145H,147H,151L, 154L
	5J13C		5J15C		0761	137,175		130H,127H*130H
023316		XX0377		000002	000151		1820	
	5J37A		5J36A		0651	157A		145H,147H,151L, 154L
	5J13C		5J15C		0761	137,175		131H,131H*132H
023316		XX0377		000004	000151		1821	
	5J36A		5J35A		0651	158		145H,147H,151L, 154L
	5J13C		5J15C		0761	137,175		128H,125H*128H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023316		XX0377		000020		000151		1822	
	SJ34A		SJ33A		0651		159		I45H, I51L, I54L
	SJ15C		SJ13C		0761		137, 175		I31H, I31H*I32H
023316		XX0377		000100		000151		1823	
	SJ32A		SJ31A		0651		160		I45H, I47H, I51L, I54L
	SJ17C		SJ15C		0761		136, 137, 175		I30H, I27H*I30H
023316		XX0377		000200		000151		1824	
	SJ31A		SJ30A		0651		160		I45H, I47H, I51L, I54L
	SJ17C		SJ15C		0761		136, 137, 175		I31H, I31H*I32H
023316		XX0377		000400		000151		1825	
	SJ30A		SJ29A		0651		161		I45H, I47H, I51L, I54L
	SJ17C		SJ15C		0761		136, 137, 175		I28H, I25H*I28H
023316		XX0377		001000		000151		1826	
	SJ29A		SJ28A		0651		161		I45H, I47H, I51L, I54L
	SJ19C		SJ17C		0761		135, 136, 175, 138		I30H, I27H*I30H
023316		XX0377		002000		000151		1827	
	SJ19C		SJ17C		0761		135, 136, 175, 138		I31H, I31H*I32H
023316		XX0377		010000		000151		1828	
	SJ26A		SJ25A		0651		163		I44H, I45H, I47H, I51L, I54L
	SJ21C		SJ19C		0761		135, 136, 138, 175		I30H, I27H*I30H
023316		XX0377		020000		000151		1829	
	SJ25A		SJ24A		0651		163		I45H, I51L, I54L
023316		XX0377		040000		000151		1830	
	SJ24A		SJ23A		0651		164		I45H, I51L, I54L
023316		XX0377		100000		000151		1831	
	SJ23A		SJ22A		0651		164		I45H, I51L, I54L
023316		XX0377		200000		000151		1832	
	SJ22A		SJ21A		0651		165		I45H, I51L, I54L
023316		XX0377		400000		000151		1833	
	SJ21A		SJ22A		0651		165		I45H, I51L, I54L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
023332	XX0017		577777		000151		1834	
	6J22E		6J21E		0651	174		144L,148L
	6J22A		6J21A		0651	165		154H
023332	XX0017		757777		000151		1835	
	6J25E		6J24E		0651	172		144L,148L
	6J25A		6J24A		0651	163		154H
023332	XX0017		767777		000151		1836	
	6J26E		6J25E		0651	172		144L,148L
	6J26A		6J25A		0651	163		154H
023342	XX0317		000001		000151		1837	
	5J32A		5J37A		0651	157		140H,141H,142H, 146H,152L
	5J13C		5J15C		0761	137,175		053H
023342	XX0317		000002		000151		1838	
	5J37A		5J36A		0651	157A		152L
	5J13C		5J15C		0761	137,175		045H
023342	XX0317		000004		000151		1839	
	5J36A		5J35A		0651	152		140H,141H,142H, 152L
	5J13C		5J15C		0761	137,175		052H
023342	XX0317		000010		000151		1840	
	5J35A		5J34A		0651	152		141H,142H
023342	XX0317		000020		000151		1841	
	5J34A		5J33A		0651	159		140H,141H,142H, 152L
	5J15C		5J13C		0761	137,175		045H
023342	XX0317		000040		000151		1842	
	5J33A		5J32A		0651	159		141H,142H
023342	XX0317		000100		000151		1843	
	5J32A		5J31A		0651	160		140H,141H,142H, 152L
	5J17C		5J15C		0761	136,137,175		053H
023342	XX0317		000200		000151		1844	
	5J31A		5J30A		0651	160		140H,141H,142H, 152L
	5J17C		5J15C		0761	136,137,175		045H
023342	XX0317		000400		000151		1845	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	5J30A		5J29A		0651	161		I40H, I41H, I42H, I52L
	5J17C		5J15C		0761	136, 137, 175		052H
023342	5J29A	XX0317	5J28A	001000	000151	161	1846	I40H, I41H, I42H, I52L
	5J19C		5J17C		0761	135, 136, 175, 138		053H
023342	5J19C	XX0317	5J17C	002000	000151	135, 136, 175, 138	1847	045H
023342	5J27A	XX0317	5J26A	004000	000151	162	1848	I41H, I42H
023342	5J26A 5J21C	XX0317	5J25A 5J19C	010000	000151	163 135, 136, 138, 175	1849	I41H, I42H, I52L 053H
023356	5J23C 8J03G	XX0377	5J21C 8J07G	377777	000151	135, 136, 175 113	1850	I25L, I28L I13L
023356	5J23C 8J03G	XX0377	5J21C 8J07G	577777	000151	135, 136, 175 113	1851	I31L, I32L I7L
023356	5J23C 8J03F	XX0377	5J21C 8J04F	677777	000151	135, 136, 175 113	1852	I30L I13L
023356	5J21C 8J04F	XX0377	5J19C 8J03F	757777	000151	135, 136, 138, 175 113	1853	I31L, I32L I13L
023356	5J21C 8J04F	XX0377	5J19C 8J03F	767777	000151	135, 136, 138, 175 113	1854	I27L, I30L I7L
023356	5J19C 8J03E	XX0377	5J17C 8J02E	773777	000151	135, 136, 175, 138 112	1855	I25L, I26L I13L
023356	5J19C 8J03E	XX0377	5J17C 8J02E	775777	000151	135, 136, 175, 138 112	1856	I31L, I32L I7L
023356		XX0377		776777	000151		1857	
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J19C 8J04E		5J17C 8J03E		0761 2050		135,136,175,138 112		127L,130L 113L
023356		XX0377		777737		000151		1858	
	5J15C 8J03B		5J13C 8J04B		0761 2050		137,175 111		125L,128L 113L
023356		XX0377		777757		000151		1859	
	5J15C 8J03B		5J13C 8J04B		0761 2050		137,175 111		131L,132L 17L
023356		XX0377		777767		000151		1860	
	5J15C 8J04B		5J13C 8J03B		0761 2050		137,175 111		127L,130L 113L
023526		XX0001		000000		000151		1861	
	6J38D 6J40D 6J19D 6J21D		6J40B 6J40B 6J40B 6J40B		0431 0431 0431 0431		150 147 147 150		147H,151L,153L, 154L 147H,151L,153L, 154L 153H 153H
023526		XX0002		000000		000151		1862	
	6J38D 6J40D 6J35C 6J19D 6J21D		6J40B 6J40B 6J33C 6J40B 6J40B		0431 0431 0900 0431 0431		150 147 136,145 147 150		154H,147L,148L, 152L 154H,147L,148L, 152L 152H 148H 148H
023526		XX0004		000000		000151		1863	
	6J19D 6J21D 6J38D 6J40D		6J40B 6J40B 6J40B 6J40B		0431 0431 0431 0431		147 150 150 147		147H,151L,153L, 154L 147H,151L,153L, 154L 153H 153H
023600		XX0160		000000		000151		1864	
	5J19B 5J21B 5J35C 5J23C		6J19B 6J19B 5J33C 5J21C		0431 0431 0900 0761		142 139 136,135,145 135,138,175		147H,151L,153L, 154L 147H,151L,153L, 154L 124H,035H*036H 018H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
023600		XX0260		000000		000151		1865	
	5J19B		6J19B		0431		142		I54H, I47L, I48L, I52L
	5J21B		6J19B		0431		139		I54H, I47L, I48L, I52L
	5J23C		5J21C		0761		135, 138, 175		018L
	5J35C		5J33C		0900		136, 135, 145		I16H

023600		XX0360		000000		000151		1866	
	5J27C		6J27C		0280		135		I3H, I12H, I34H, I35H, I37H, I41H, I45H, I51H, I52H, I5L, I11L, 013L, I14L, I15L, I16L, I17L, 018L, 020L, I22L, 023L, I29L, 030L, I31L, 036L, I39L, 040L, I41L, I42L, 046L, I51L, I52L, 028H, 023H, 054H, 053H, 018H, 020H, 026H, 047H, 06L, 054L, 053L, 04H, I27H, I29H, 04L, I29L
	5J25C		6J25C		0260		135		026H, I33H, I51H, I54H, 010L, 018L, 026L, I33L, I34L, 046L
	5J21C		6J13C		0761		135, 136, 138, 175		I10H, I11H, I19H, I30H, I34H, I36H, I39H, I41H, I43H, I51H, 015L*020L, 017L*025L, 027L*028L, 045L*048L, 047L*053L
	5J29C		6J29C		0040		136		026H, I33H, 046H, 018L, 026L, I33L, I34L, I51L, I54L
	5J19C		6J13C		0761		135, 136, 175, 138		026H, I34H, 010L, 026L, I33L, I34L, 03L*04L, 03H*04H
	5J17C		6J13C		0761		136, 137, 175		I44H, I46H, I48H, I46L, I48L, I52L
	5J23B		5J23D		0421		140		I44H, I46H, I48H, I46L, I48L, I52L
	5J36B		5J23D		0421		143		I44H, I46H, I48H, I46L, I48L, I52L
	5J23C		6J13C		0761		135, 138, 175		046H, 010L, I51L, I54L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	5J15C		6J13C		0701	137,175		154H,010L,046L
	5J33C		6J33C		0900	136,135,145		151H,011H*012H, 039H*040H
	5J37C		6J29C		0040	136,145		129L,027H*028H, 130L,132L
	5J13C		6J13C		0701	137,175		154H,046L
	5J35C		6J33C		0900	136,135,145		10H,017H*018H
023607		011377		000000	000151		1866A	
	7J29B		7J29C		2000	32		014H
024016		040012		000252	000151		1867	
	6J21C		6J19C		0701	135,136,138,175		012H,122L
024016		040024		000074	000151		1868	
	6J19C		6J17C		0701	135,136,138,175		012H,122L
024016		100000		000376	000151		1869	
	5J25A		5J24A		0601	163		130H
024016		100012		000256	000151		1870	
	5J21C		5J19C		0701	135,136,138,175		010H,120L
024016		100024		000074	000151		1871	
	5J19C		5J17C		0701	135,136,175,138		010H,120L
024040		100017		000377	000151		1872	
	5J19C		5J17C		0701	135,136,175,138		018H,15L
024061		100004		000125	000151		1873	
	5J15C		5J13C		0701	137,175		010H
024061		100357		000376	000151		1874	
	5J35C		5J33C		0900	136,135,145		09H*010H
024103		040000		000012	000151		1875	
	6J13C		6J15C		0701	137,175		020H,133L,134L
024103		100000		000017	000151		1876	
	5J13C		5J15C		0701	137,175		040H,151L
024153		000000		000000	000151		1877	
	4J08E		4J07E		2040	83		112L
024233		000011		000000	000151		1878	
	5J25B		5J27B		0400	139		125H,133H,127L, 129L,130L

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
024242	000011	000000	000151	1879	
5J27B	5J25B	0400	139,142		I27L, I29L, I30L
024346	000002	000077	000151	1880	
4J25C	4J23C	2920	92		I12L
024346	000011	000005	000151	1881	
3J29F	3J17F	2030	42,12		I5L
024443	040010	507647	000151	1882	
6J15C	6J13C	0761	137,175		024H
024443	050000	000000	000151	1883	
6J35C	6J33C	0900	136,145		I46H
024443	050356	776777	000151	1884	
6J31B	6J29B	0400	143,147		I26H
024443	060002	000000	000151	1885	
6J38D	6J21D	0431	150		I52H
6J40D	6J21D	0431	147		I52H
024443	070000	000000	000151	1886	
6J35C	6J33C	0900	136,145		I54H
024443	077610	776777	000151	1887	
6J25D	6J27D	0400	147,150		I30H
024443	100000	000000	000151	1888	
5J33C	5J35C	0900	136,135,145		I51L, I52L, 039L+
5J13C	5J15C	0761	137,175		040L
5J17C	5J15C	0761	136,137,175		018L
024443	100000	767777	000151	1889	
5J26A	5J25A	0651	163		I36H
024443	100206	577777	000151	1890	
5J17C	5J15C	0761	136,137,175		010H, I20L
024443	100512	737777	000151	1891	
5J27B	5J25B	0400	139,142		I42H
024443	100562	757777	000151	1892	
5J27C	6J27C	0280	135		I22H, I35L, I38L,
					036H
024443	100610	737777	000151	1893	
8-802	CHANGE 7				

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	5J25B		5J27B		0400		139		I30H
024443	100736		777775		000151		1894		
	5J25B		5J27B		0400		139		142H
024443	103261		757777		000151		1895		
	5J25B		5J27B		0400		139		I30H
024443	103366		737777		000151		1896		
	5J25B		5J27B		0400		139		I20H
024443	XX0000		377777		000151		1897		
	5J21A		5J22A		0651		165		140H
024443	XX0000		767777		000151		1898		
	5J26A		5J25A		0651		163		140H
024443	XX0001		757777		000151		1899		
	5J25A		5J24A		0651		163		140H
024564	000015		000000		000151		1900		
	8J08D		8J07D		2013		21		010L*011L*012L
024564	000052		000400		000151		1901		
	8J32C		8J31C		3780		129		I10H
024564	000273		001000		000151		1902		
	8J31C		8J32C		3780		130		15L,15H,16H
025004	000000		000000		000151		1903		
	4J34D		4J33D		2013		19,21		I5L
025164	000377		000000		000151		1904		
	8J16F		8J02F		2020		107		15H,16H,17H, 011H*012L
	3J12F		3J11F		2050		29		111H,112H
	8J29A		8J28A		3640		122		I9L
	8J09D		8J15D		2013		25		17H,18H,013H* 014H*015H
	8J24B		8J16A		2013		122		013H*014H*015H
	7J09A		7J13A		2050		107		09H
025207	000001		000000		000151		1905		
	3J12F		3J11F		2050		29		I5L
025230	000004		000000		000151		1906		
	8J15B		8J14B		2000		114		I11L,I15H,013L* 014H,I5L*I6L,

*Did you
forget
to
NDR & SWITC H
TO ADDR Q.*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 3-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
									I7L*I8L,I9L* I10L,I11L*I12L, 014H
025230	8J21A	000010	8J20A	000000	3771	000151	132	1907	I14L
025230	8J15B	000012	8J14B	000000	2000	000151	114	1907A	014H
025230	8J15C	000014	8J17C	000000	2000	000151	114	1908	I15L,I5H,I6H, 013H*014L,013H
025230	3J15B 4J35E	000020	8J14B 4J35D	000000	2000 2030	000151	114 29	1909	I5H,I6H,013H* 014L 010H
025230	7J12C	000177	7J11C	000000	2000	000151	105	1910	I7L
025230	8J14B 3J17C	000377	8J15B 3J09C	000000	2000 2060	000151	114 48	1911	I5H,I6H I5L
025230	3J03E	014177	3J17E	000000	2030	000151	18	1912	I12L
025253	8J15C	000017	8J17C	000000	2000	000151	114	1913	I7L,I11L,I15H, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L,
025263	8J19G 8J23B	377777	8J18G *****	000000	2000 BTSP	000151	117 132	1913A	I12H 09H
025263	8J18G 8J23B	577777	8J17G *****	000000	2000 BTSP	000151	117 132	1913B	I12H 010H
025263	8J17G 8J23B	677777	8J19G *****	000000	2000 BTSP	000151	117 132	1913C	I12H 011H
025263		737777		000000		000151		1913D	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE E-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CF	PLATE	SYMPTOM	FALLT
	8J19F 8J23B		8J18F *****		2000 BTSP		117 132		112H 012H
025263	757777		000000		000151			1913E	
	8J18F 8J23B		8J17F *****		2000 BTSP		117 132		112H 013H
025263	767777		000000		000151			1913F	
	8J17F 8J23B		8J19F *****		2000 BTSP		117 132		112H 014H
025263	773777		000000		000151			1913G	
	8J19E 8J22B		8J15E *****		2000 BTSP		116 132		112H 014H
025263	775777		000000		000151			1913H	
	8J18E 8J22B		8J17E *****		2000 BTSP		116 132		112H 013H
025263	776777		000000		000151			1913J	
	8J17E 8J22B		8J19E *****		2000 BTSP		116 132		112H 012H
025263	777377		000000		000151			1913K	
	8J19C 8J22B		8J18C *****		2000 BTSP		116 132		112H 011H
025263	777577		000000		000151			1913L	
	8J18C 8J22B		8J17C *****		2000 BTSP		116 132		112H 010H
025263	777677		000000		000151			1913M	
	8J17C 8J22B		8J19C *****		2000 BTSP		116 132		112H 09H
025263	777737		000000		000151			1913N	
	8J19B 8J21B		8J18B *****		2000 BTSP		115 132		112H 09H
025263	777757		000000		000151			1913P	
	8J18B 8J21B		8J17B *****		2000 BTSP		115 132		112H 010H
025263	777767		000000		000151			1913Q	
	8J17B 8J21B		8J19B *****		2000 BTSP		115 132		112H 011H
025263	777773		000000		000151			1913R	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	8J19A 8J21B		8J18A *****		2000 BTSP	115 132		112H 012H
025263		777775		000000	000151		1913S	
	8J18A 8J21B		8J17A *****		2000 BTSP	115 132		112H 013H
025263		777776		000000	000151		1913T	
	8J17A 8J21B		8J19A *****		2000 BTSP	115 132		112H 014H
025311		000506		360000	000151		1914	
	4J31E 4J35B		4J12E 4J35C		2030 2220	100 29		010H, 15L*16L* 17L*18L*19L 10H
025311		000514		000002	000151		1915	
	4J35B		4J35C		2220	29		19H
025403		000514		000002	000151		1916	
	4J31F		4J35E		2030	99		114L, 011H, 112L* 113L*114L
025556		XX0017		000017	000151		1917	
	5J23C		5J21C		0761	135, 138, 175		019L*010H*012H
025650		XX0003		000003	000151		1918	
	4J35E		4J31E		2030	29		113L
025650		XX0017		000017	000151		1919	
	4J35E		4J31E		2030	29		114L
060003		000000		000000	000151		1920	
	8J27E 7J23F		8J26B 7J19F		3640 2060	122 35, 36		014H 18L
062425		000000		377777	000151		1921	
	6J21E		6J22E		0651	174		144H
062425		760450		737757	000151		1922	
	6J34E		6J33E		0651	168		144H
062773		000017		110020	000151		1923	
	6J35C		6J33C		0900	136, 145		131L, 132L, 021L* 022L
	6J21A 6J22A 6J23A		6J26A 6J26A 6J26A		0651 0651 0651	165 165 164		141L 141L 141L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	6J24A		6J26A		0651		164		I41L
	6J25A		6J26A		0651		163		I41L
	6J32A		6J31A		0651		160		I41L
062773		000017		110100		000151		1924	
	6J38A		6J37A		0651		157		I40L
063144		030777		000000		XXXXXX		1924A	
	6J34B		6J32B		0400		142		I25L,I26L
063144		031777		001000		XXXXXX		1924B	
	6J34B		6J32B		0400		140		I39L,I41L,I42L
063144		033777		003000		XXXXXX		1924C	
	6J32B		6J34B		0400		140		I39L,I41L,I42L
063144		035777		005000		XXXXXX		1924D	
	6J32B		6J29B		0400		140		I25L,I26L,I33L I35L,I36L
063144		037177		000100		XXXXXX		1924E	
	6J25B		6J34B		0400		139		I25L,I26L,I33L I35L,I36L
063144		037577		000500		XXXXXX		1924F	
	6J25B		6J34B		0400		139		I39L,I41L,I42L
063144		037717		000010		XXXXXX		1924G	
	6J29B		6J34B		0400		143		I25L,I26L,I33L I35L,I36L
063144		037757		000050		XXXXXX		1924H	
	6J29B		6J34B		0400		143		I39L,I41L,I42L
063144		037771		000001		XXXXXX		1924J	
	6J27B		6J34B		0400		139,142		I25L,I26L,I33L I35L,I36L
063144		037775		000005		XXXXXX		1924K	
	6J34B		6J25B		0400		140		I33L I35L,I36L
063144		037777		000070		XXXXXX		1924L	
	6J31B		6J34B		0400		143		I39L,I41L,I42L
063144		037777		000700		XXXXXX		1924M	
	6J27B		6J34B		0400		139		I39L,I41L,I42L
063302		XXXXXX		000001		XXXXXX		1924N	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	6J38A		6J26A		0651	157		I41L
063302	XXXXXX		000002		XXXXXX		1924P	
	6J37A		6J26A		0651	157A		I41L
063302	XXXXXX		000004		XXXXXX		1924Q	
	6J36A		6J26A		0651	158		I41L
063302	XXXXXX		000010		XXXXXX		1924R	
	6J35A		6J26A		0651	158		I41L
063302	XXXXXX		000020		XXXXXX		1924S	
	6J34A		6J26A		0651	159		I41L
063302	XXXXXX		000040		XXXXXX		1924T	
	6J33A		6J26A		0651	159		I41L
063302	XXXXXX		000100		XXXXXX		1924U	
	6J32A		6J26A		0651	160		I41L
063302	XXXXXX		000200		XXXXXX		1924V	
	6J31A		6J26A		0651	160		I41L
063302	XXXXXX		000400		XXXXXX		1924W	
	6J30A		6J26A		0651	161		I41L
063302	XXXXXX		001000		XXXXXX		1924X	
	6J29A		6J26A		0651	161		I41L
063302	XXXXXX		002000		XXXXXX		1924Y	
	6J28A		6J26A		0651	162		I41L
063302	XXXXXX		004000		XXXXXX		1924Z	
	6J27A		6J26A		0651	162		I41L
063302	XXXXXX		010000		XXXXXX		1924AA	
	6J26A		6J22A		0651	163		I41L
063302	XXXXXX		020000		XXXXXX		1924AB	
	6J25A		6J26A		0651	163		I41L
063302	XXXXXX		040000		XXXXXX		1924AC	
	6J24A		6J26A		0651	164		I41L
063302	XXXXXX		100000		XXXXXX		1924AD	
	6J23A		6J26A		0651	164		I41L
063302	XXXXXX		200000		XXXXXX		1924AE	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	6J22A		6J26A		0651	165		141L
063302	6J21A	XXXXXX	6J26A	400000	XXXXXX	165	1924AF	141L
063326	6J21A	XX0360	6J26A	377777	XXXXXX	165	1924AG	136H,144L,148L
063326	6J22A	XX0360	6J26A	577777	XXXXXX	165	1924AH	136H,144L,148L
063326	6J23A	XX0360	6J26A	677777	XXXXXX	164	1924AI	136H,144L,148L
063326	6J24A	XX0360	6J26A	737777	XXXXXX	164	1924AJ	136H,144L,148L
063326	6J25A	XX0360	6J26A	757777	XXXXXX	163	1924AK	136H,144L,148L
063326	6J26A	XX0360	6J22A	767777	XXXXXX	163	1924AL	136H,144L,148L
063326	6J27A	XX0360	6J26A	773777	XXXXXX	162	1924AM	136H,144L,148L
063326	6J28A	XX0360	6J26A	775777	XXXXXX	162	1924AN	136H,144L,148L
063326	6J29A	XX0360	6J26A	776777	XXXXXX	161	1924AO	136H,144L,148L
063326	6J30A	XX0360	6J26A	777377	XXXXXX	161	1924AP	136H,144L,148L
063326	6J31A	XX0360	6J26A	777577	XXXXXX	160	1924AQ	136H,144L,148L
063326	6J32A	XX0360	6J26A	777677	XXXXXX	160	1924AR	136H,144L,148L
063326	6J33A	XX0360	6J26A	777757	XXXXXX	159	1924AS	136H,144L,148L
063326	6J34A	XX0360	6J26A	777757	XXXXXX	159	1924AT	136H,144L,148L
063326		XX0360		777767	XXXXXX		1924AU	

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TABLE 8-25. PROGRAM EXECUTION, AIMAT CONTROL - PROGRAM STOP CONDITION

F	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
	6J35A		6J26A		0651	158		136H, 144L, 148L
063326	6J36A	XX0360	6J26A	777773	XXXXXX	158	1924AV	136H, 144L, 148L
063326	6J37A	XX0360	6J26A	777775	XXXXXX	157A	1924AV	136H, 144L, 148L
063326	6J38A	XX0360	6J26A	77777c	XXXXXX	157	1924AX	136H, 144L, 148L
063346	6J29H	001000	6J28E	001000	000151	170	1925	144H
063532	6J38H	XX0020	6J19D	XXXXXX	000151	139	192c	147H, 151L, 153L, 154L
	6J40B		6J19D		0431	142		147H, 151L, 153L, 154L
	6J19B		6J19D		0431	142		153H
	6J21H		6J19D		0431	139		153H
064016	6J33C	010000	6J35C	000377	000151	136, 135, 145	1927	151L
064016	6J33C	010200	6J35C	000377	000151	136, 135, 145	1928	152L, 039L*040L
064443	6J35C	030000	6J33C	XXXXXX	000151	136, 145	1929	132H

TABLE 8-26. DUAL MODE TEST

LOC	SWAP	TYPE	PLATE
3J28B	3J24F	2900	12
3J30A	3J31C	2020	13
7J17E	7J27E	2060	150
7J13B	7J13A	2050	50
7J16B	7J30B	2060	50
7J17B	7J14B	2900	52
7J30E	7J15E	2060	7,52
7J22D	7J17D	2060	49
7J17G	7J13G	2050	49,51
7J17F	7J18F	2030	49
7J16G	*****	2080	28,49
7J18E	8J13G	2920	52

TABLES 8-27 & 8-28 DELETED

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-29. SPECIAL I/O TEST, EXECUTION - LOOP CONDITION

P	PULIM	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
001261	007776	XXXXXX	XXXXXX	XXXXXX	
3J07D	3JL6D	2920	22		I9L
7J27D	7J26D	2013	55		I8H, I9H, I7H
017011	021017	000400	000400	000400	
7J26C	7J17C	2900	34		I10L*I12L*I9L
017016	017017	557772	503000	000000	
7J24F	7J21F	2020	54		I6H
020004	021005	000000	000000	000000	
6J22E	6J21E	0651	174		I41L
6J23E	6J24E	0651	173		I47L
7J25D	7J24D	2013	07,54		I6H
7J03F	7J02F	2060	26,35		014L, I8H
7J17D	7J16D	2060	52		I6H, I9H
7J25E	7J22E	2020	54		I9H, I10H
7J04F	7J15F	2060	51,134		I5L
7J15B	7J02B	2060	50		I7L
7J16B	7J19B	2060	50		I10L
8J19G	8J18G	2000	117		I11L
7J21F	7J20F	2020	36		I7H
7J26E	7J20F	2020	54		I10H
8J02F	8J16F	2020	33		I6L
8J09G	8J07G	2050	100,120		I5H
020732	020733	000000	XXXXXX	000400	
7J26E	7J25E	2020	54		I8L*I9L*I10L I13H, C12H, I5L* I6L*I7L, I8L, I14H I15H, C11L*012H I14L, I12L*I13L* I14L, I11H I12H, C15L, I11H I7L, I5L*I6L, 09H I7L*I8L, I5L I14L, I7L*I5L* I14L, C15H, I11L 013L*015H
7J28D	7J18C	2030	34,54		
7J28E	7J27E	2060	34,55		
7J26G	7J19G	2050	54,55		
7J26C	7J17C	2900	34		
021045	021046	557772	XXXXXX	000000	
6J19C	6J17C	0761	135,136,138,175		I25L, I27L
021047	021050	557772	XXXXXX	000000	
7J17F	7J18F	2030	49		I7L
7J03F	7J02F	2060	26,35		I11L, I9H

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TABLE 2-29. SPECIAL I/O TEST, EXECUTION - LOOP CONDITION

P	LOC	PULI SWAP	AU	AL	CE	PLATE	FAULT
	7J26E	7J25E		2020		54	19H,18H
	7J26D	7J25D		2013		07,14	18L
	8J16E	8J15E		2000		114	17UL
	3J34A	3J28A		2050		03,04	17L*18L

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TABLE 8-30. SPECIAL I/O TEST, EXECUTION - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001202	7J14F	000000	7J12F	000000	2000	015337	51	I11H
001204	7J14G	000000	7J12G	764362	2000	015337	51	I11H
001205	7J25F	000000	4J35C	344622	2220	015337	54	I12H
001207	7J24E	000000	7J20E	001252	2930	015337	54	I10L
001210	7J18D 7J03A 8J10G	000000	7J15D 7J21A 8J10F	001252	2013 2020 2040	015337	06 106 106	010L*011L*012L I5H,I7H I12H
001211	7J25F	000000	4J35C	000706	2220	015337	54	I11H
001211	7J28G	767007	7J28F	000706	2900	015337	55	I14H
001213	7J26B	000000	7J23B	777777	2930	017101	34	I7H
001214	8J10G	000000	8J10F	777777	2040	015337	106	I11H
001221	7J15E 7J03A 8J05G	000000	7J04E 7J21A 7J02E	000000	2060 2020 2160	015337	51,107 106 106	I7L I6H 014H
001224	7J26G	767007	7J19G	000000	2050	015337	54,55	I11L
001253	8J10G	000000	8J10F	001240	2040	015337	106	015L
001263	7J14F	000000	7J12F	000000	2000	015337	51	I12H
014746	3J07F	557760	3J04F	777227	2920	017101	22	I11L
016021		501700		016017		000000		

TABLE 8-30. SPECIAL I/O TEST, EXECUTION - FAULT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	7J27E		7J23E		2060		54,55	I11L

177776		557772		777775		000000		
	7J23F		7J19F		2060		35,36	I6L

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TABLE 2-31. SPECIAL I/O TEST, EXECUTION - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
016034	7J28D	000000	7J18C	000400	2030	000000	34,54	I6L
017022	7J28E	000000	7J27E	503000	2060	000000	34,55	014L, I2H, I9H, I10H
	7J29E		7J19E		2070		34,55	I9L, 014H
	7J26E		7J25E		2020		54	I5H, I6H, I7H
017022	7J25D	505640	7J24D	503000	2013	000000	07,54	I7H, I8H, I9H
	7J28E		7J27E		2060		34,55	013L, I5H, I6H, I7H
	7J29E		7J19E		2070		34,55	I7L, 013H
	7J24E		7J20E		2930		54	I5H
	7J28B		7J22B		2070		07,30,53	012H
020255	7J27E	547773	7J23E	020255	2060	000000	54,55	013L, I5H, I6H, I7H
	7J29E		7J19E		2070		34,55	I5L, 011H
	7J24E		7J20E		2930		54	I7H
020361	3J07D	557761	3J06D	003776	2920	000000	22	I8L
020373	7J18C	505643	7J02C	000346	2030	000000	49,107	I14L
020373	7J25G	505643	7J22F	000347	2930	000000	34,54	I5L, I11L, I12H, I5L+I14L, 08L* 06H, 06H
	7J29D		7J32C		2020		34	I6L, I8L, I13H, I14H, I15H, 011L* 012H, I5L+I6L* I7L, I8L+I9L* I10L, 012H
	7J30F		7J23F		2060		34	I12L, 015L, I11H, I12H, 015H, I11L* I12L
	7J17F		7J18F		2030		49	010L, I5H, I6H, I7H, I8H, I9H
	7J29F		7J31E		2070		34,54,134	I9L, 014H
020373	7J02E	505643	7J28C	014347	2160	000000	50	I6L

TABLE 8-31. SPECIAL I/O TEST, EXECUTION - HALT CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
020373		505662		000143	000000			
	7J23E		7J17E		2000		35,49,54	014L,11CH
	7J28D		7J18C		2030		34,54	15L*16L*17L*18L* 19L
020373		505662		000143	017072			
	3J26G		3J116		2040		12	18L
020373		505663		000143	000000			
	7J16E		7J19E		2070		10,49,50,54	014L,19H
	7J23E		7J17E		2000		35,49,54	18H,19H
	7J28D		7J18C		2030		34,54	010H
020724		000000		000000	000000			
	1J32C		1J27C		2013		60,c9	17L,010L*011L* 012L
	1J34D		1J22D		2030		62	112L
	1J34E		1J04F		2030		61	112L

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	SYMPTOM	FAULT
000153	7J02A	000003	7J12B	XXXXXX	000000	22	1	I&L
001300	3J33C	000000	3J16C	XXXXXX	000000	03	2	I&L, I&L, 09H, 15L* 1&L, I7L*1&L I13H, I14H, I15H
020003	5J35C	000000	5J33C	XXXXXX	000000	13C, 135, 145	3	011L*012L I7L, I9H, 013H* 015L, 013H I10L*I12L, 0&H* 06L, 0&H I14L, 15H, I6H, I7H 1&L, 012H I11H 010H I6H I12H 0&L*0&H I14L I12L I10L 014L I&L I9L I7L I9H I10L I7L*I5L*I14L 011L I&L 012H I&L*I9L*I10L I10H I14L I6H I12L
020003	7J26B	000000	7J23D	XXXXXX	000000	34	3	FOR FURTHER ISOLATION REFER TO TABLE 8-55A.
	7J25G		7J22F			34, 54		
	7J29D		7J32C			34		
	7J16E		7J19E			10, 49, 50, 54		
	2J08C		2J07C			68		
	0J25G		0J23G			76		
	9J08F		9J07F			77		
	0J31B		0J30B			63, 64		
	2J20E		2J19B			63, 64		
	3J15D		3J14D			08, 09		
	3J32G		3J33G			04		
	9J30D		9J29D			61, 62		
	2J29E		2J25D			57, 58		
	7J28B		7J22B			07, 30, 53		
	0J08A		0J06A			65A		
	1J06A		1J08A			65		
	2J06D		2J05D			68		
	7J28G		7J28F			55		
	9J18E		9J15E			72		
	7J26A		7J27A			32		
	1J33C		1J28C			63		
	3J30A		3J29A			13		
	7J26F		7J24F			54		
	8J02F		8J16F			33		
	8J03F		8J04F			113		
	2J19F		2J09F			77B, 78		
	4J35D		4J31C			29		
020004	7J30C	000000	7J25C	XXXXXX	000000	31	4	I13H, I14H, I15H
020033	8J02A	777700	8J11B	XXXXXX	000000	21, 25, 54	5	014H, I&L*I9L*

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CF	PLATE	SYMPTOM	FAULT
	7J25F		4J35C		2220		54		I10L I7H
020034		777700		XXXXXX		000000		6	
	7J17F		7J18F		2030		49		I6L
	7J24F		7J21F		2020		54		I15L, I13L
	3J24C		3J12C		2070		44, 41, 40, 14		O11L, I5H
020035		777700		XXXXXX		000000		11	
	3J21C		3J20C		2060		44		I5L
	8J02A		8J11B		2060		21, 25, 54		I8L
	7J24F		7J21F		2020		54		I13L* I14L* I15L O11H, O11H* O12L
	7J25F		4J35C		2220		54		I10H
020051		777777		XXXXXX		000000		12	
FOR FURTHER ISOLATION REFER TO TABLE 8-55B.									
	7J28D		7J18C		2030		34, 54		I12H, I14H
	7J25D		7J24D		2013		07, 54		I7L, O10L* O11L* O12L
	7J27D		7J26D		2013		55		I5L, O10H* O11H* O12H
	7J27C		7J17B		2900		34		O6H, O6H* O8L * O13H
	7J28E		7J12A		2900		55		O6L* O8H, I7L* I5L* I14L, I10L* I12L* I9L
	7J29F		7J31E		2070		34, 54, 134		I5L
	7J27F		7J13F		2050		55		I5L* I6L, I7L * I8L, I8L
	3J14G		3J09G		2070		55, 35, 29		O11L
	7J24E		7J20E		2930		54		I14L, I7L* I14L
	7J26C		7J17C		2900		34		O6H, O13H, O13H* O15L
	7J27G		7J26G		2050		55		I13H, I14H
	7J28E		7J27E		2060		34, 55		I11L* I12L
	3J07D		3J06D		2920		22		I9H
	3J15G		3J05G		2060		55, 35, 34		I7L
	7J28F		8J08E		2900		55		I5H, I14H
020052		777777		XXXXXX		000000		13	
FOR FURTHER ISOLATION REFER TO TABLE 8-55B.									
	3J15G		3J05G		2060		55, 35, 34		I5L* I6L* I7L, O13H
	7J26E		7J25E		2020		54		I13L, I14L
	7J27C		7J17B		2900		34		O13H, O15L

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	7J28D		7J18C		2030		34,54		011L, I13H, I15H
	3J08E		3J07E		2920		22		I10L
	7J28E		7J27E		2060		34,55		I12L
	7J28G		7J12A		2900		55		O15H, O8H, I5L
									I11L
	7J29F		7J31E		2070		34,54,134		011H
	3J07F		3J04F		2920		22		I11H, I13H, I12H,
									I14H
	7J27F		7J13F		2050		55		I13H, I14H, O9H
									O10L
	7J27D		7J26D		2013		55		O13L*O14L*O15L
	7J19E		7J16E		2060		53		I8L
	7J28B		7J22B		2070		07,30,53		I6H, O12L
	7J27G		7J26G		2050		55		I5H
	7J28F		8J08E		2900		55		O6H, O6H*O8L
	3J07D		3J06D		2920		22		I8H, I10H
	7J26C		7J17C		2900		34		O6H*O8L
	3J14G		3J09G		2070		55,35,29		I5H

020152		00000X		XXXXXX		000000		76	
	3J07F		3J04F		2920		22		I14L
	7J28F		7J27C		2900		55		I7L*I5L*I14L
									I10L, I10L*I12L
									I9L, O6L*O8L
	7J27F		7J13F		2050		55		O9L, I11H*I12H
	7J24E		7J20E		2930		54		I5L*I14L

020153		000000		XXXXXX		000000		83	
	7J28F		7J27C		2900		55		I5L, O8H, I11L
	7J27F		7J13F		2050		55		I5H, I6H
	7J27E		7J23E		2060		54,55		I12L, O15H, I11L*
									I12L

020374		505643		XXXXXX		000000		88	
	7J14G		7J12G		2000		51		I12H

020401		505623		XXXXXX		000000		89	
	7J23D		7J26B		2930		34		I12H, O8L*O6H

020401		505640		XXXXXX		000000		91	
	7J23D		7J26B		2930		34		I5L, O6H, I5L*I14L
	3J26A		3J25A		2013		14		I7L
	3J15G		3J05G		2060		55,35,34		I12L

020401		505643		XXXXXX		000000		94	
	7J17F		7J18F		2030		49		I15L

020401		505646		XXXXXX		000000		95	

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CL	PLATE	SYMPTOM	FAULT
	4J03G		4J27F		2920		39		111L
	7J24E		7J20E		2930		54		112H, 08L*06H, 06H
	8J02A		8J11B		2060		21, 25, 54		014L, 18H, 19H, 110H
	7J25F		4J35C		2220		54		16L, 17L, 014H, 16L*17L*18L
	7J28D		7J18C		2030		34, 54		18L
	8J10G		8J10F		2040		106		17H, 18H, 19H, 110H, 15H, 16H
	7J23E		7J17E		2060		35, 49, 54		18L
	8J05G		7J02E		2160		106		15L

020401		50586X		XXXXXX		000000		101	
	3J21C		3J20C		2060		44		013L, 15H, 16H, 17H
	3J24C		3J12C		2070		44, 41, 40, 14		15L, 011H
	7J24F		7J21F		2020		54		15L, 113H, 114H, 115H, 011L*012H, 15L*16L*17L, 18L* 19L*110L, 012H
	8J10G		8J10F		2040		106		15L, 18L, 110L, 111L, 015H, 15L* 16L, 17L*18L, 19L* 110L, 111L*112L, 113L*114L
	7J24E		7J20F		2930		54		19H, 013H*015L, 013H
	7J25F		4J35C		2220		54		110L, 111L, 112L, 015H, 110L*111L* 112L
	7J03A		7J21A		2020		106		15L, 16L
	8J05G		7J02E		2160		106		014L, 15H
	7J28D		7J18C		2030		34, 54		17L

020401		50621X		XXXXXX		000000		104	
	7J25G		7J22F		2930		34, 54		15H, 112L

020436		400000		XXXXXX		000000		106	
	3J11A		3J06A		2060		27, 20		19L

020507		557760		XXXXXX		000000		107	
	7J26C		7J17C		2960		34		15H, 114H
	7J27C		7J28F		2900		34		15H, 114H

020513		557760		XXXXXX		000000		106	
	8J10G		8J10F		2040		106		19L, 112L

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
020725		000000		XXXXXX		000000		109	
	7J27G		7J26G		2050		55		17H
	7J29F		7J31E		2070		34,54,134		15H

020726		000000		XXXXXX		000000		111	
	7J28F		7J27C		2900		55		013L*015H,114L
	7J26E		7J25E		2020		54		015H
	7J27C		7J26G		2050		55		16L
	7J29F		7J31E		2070		34,54,134		16H
									011L

021001		000000		XXXXXX		XXXXXX		118	
	1J20D		1J19D		2930		61,62		17L,19H,013H*
									015L,17L*114L
									15L,112H,15L*
									114L,C8L*06H
	1J25D		1J12D		2070		61,64		013L,17H
	1J21D		1J10D		2060		38,61		16L
	1J30E		1J31E		2040		69		19L
	7J26E		7J25E		2020		54		115L

021001		000100		XXXXXX		000100		121	
	1J25C		1J14C		2070		62,63		013L,17H
	1J21C		1J18C		2060		38,62		16L
	1J27D		1J09D		2013		59,60		15L,013L*014L*
									015L
	1J20C		1J19C		2050		57		16L,17L,09H,15L*
									16L,17L*13L
	1J12F		1J16F		2070		56,57		011L,15H
	1J30E		1J31E		2040		69		15H,16H
	1J18A		1J10A		2060		59,69,70		15L

021001		000136		XXXXXX		000136		123	
	1J11D		1J07D		2900		68		112L,C6L*08H,
									08H
	1J30E		1J31E		2040		69		17L

021001		000236		XXXXXX		000236		124	
	1J09D		1J27D		2013		58		18L

021001		000336		XXXXXX		000000		125	
	7J23D		7J26B		2930		34		15H

021001		000400		000400		000400		125A	
	7J26D		7J18F		2030		34		011H
	7J26D		7J27C		2070		34		015H

021001		001000		001000		001000		126	

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TABLE 8-32. SPECIAL I/O TEST, EXECUTION - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
	3J09D 6J28E		3J05A 6J27E		2040 0651		30 171		18L 148H
021001		002000		XXXXXX		002000		12E	
	3J09C		3J04C		2060		53,30		013L,15H,16H, 17H
	7J02F		7J03F		2060		53		112L,015H,111L* 112L
	1J03B		1J02B		2020		69		15H,16H,17H
021057		000001		XXXXXX		000000		129	
	4J31E		4J12E		2030		100		15L

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TABLE 8-33. SKIP STOP TEST

P	STOPS	AU	AL	PLATE	FAULT
LOC	SWAP	TYPE			
000000	01	000000	000000		
7J31A	7J25A	2020		31	I13H, I14H, I15H
7J32D	7J34D	2100		31	014H
000000	02	000000	000000		
7J32B	7J31B	2020		31	I13H, I14H, I15H
7J32D	7J34D	2100		31	012H
000000	04	000000	000000		
7J34D	7J32D	2100		31	014H
000000	10	000000	000000		
7J34D	7J32D	2100		31	012H
000000	20	000000	000000		
7J31C	7J30C	2020		31	I13H, I14H, I15H
7J33D	7J34D	2100		31	014H
000000	40	000000	000000		
7J33D	7J34D	2100		31	012H
001111	01	000000	000000		
7J31A	7J25A	2020		31	17L
001111	02	000000	000000		
7J32B	7J31B	2020		31	17L
001111	04	000000	000000		
7J31E	7J32B	2020		31	012H
001111	10	000000	000000		
7J32D	7J31C	2020		31	012H
001111	40	000000	000000		
7J30C	7J31C	2020		31	012H
001121	40	000000	000000		
7J33C	7J18A	2040		31	I5L, I7L, I9L, I11L, I13L
7J32A	7J31A	2020		31	012H
001125	01	000000	000000		
7J31A	7J25A	2020		31	I5L
001125	20	000000	000000		
7J31C	7J30C	2020		31	I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-33. SKIP STOP TEST

P	STOPS LOC	SWAP	AU	AL TYPE	PLATE	FAULT
001126	02 7J32B	7J31B	000000	000000 2020	31	I5L
001151	40 7J33B 7J33C	7J16G 7J18A	000000	000001 2080 2040	31,32 31	I6L,05H,I6L*I7L* I8L I13H,I14H
001151	40 7J30B 7J33C	7J29B 7J18A	000000	000002 2060 2040	32 31	I11L,015H,I11L* I12L I11H,I12H
001151	40 7J30B	7J29C	000000	000004 2060	32	014H
001151	40 7J30B 7J33C	7J29B 7J18A	000000	000010 2060 2040	32 31	I5L,013H,I5L* I6L*I7L I7H,I8H
001151	40 7J29C 7J33C	7J22C 7J18A	000000	000020 2060 2040	32 31	I11L,015H,I11L* I12L I5H,I6H
001152	00 7J28A	7J27A	000000	000000 2090	32	010H
001152	37 7J33D 7J30C	7J32D 7J32C	000000	000000 2100 2020	31 31	I7H I13L,011H,I5H I6H,C12L
001152	57 7J31C 7J29B 7J33D	7J30C 7J19B 7J32D	000000	000000 2020 2060 2100	31 32 31	I13L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H I5L,013H,I5L* I6L*I7L I10H
001152	67 7J34D	7J33D	000000	000000 2100	31	I7H
001152	73 7J34D	7J33D	000000	000000 2100	31	I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-33. SKIP STOP TEST

F	STOPS	AU	AL			
LOC	SWAP	TYPE	PLATE	FAULT		
	7J29B	7J29C	2060	32	015H	
001152	75	000000	000000			
	7J32B	7J31B	2020	31	I13L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H	
	7J29C	7J22C	2060	32	I5L, 013H, I5L* I6L*I7L	
	7J32D	7J33D	2100	31	I7H	
001152	76	000000	000000			
	7J31A	7J25A	2020	31	I13L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H	
	7J29C	7J22C	2060	32	I3L, 014H, I8L* I9L*I10L	
	7J32D	7J33D	2100	31	I10H	
001153	04	000000	000000			
	7J29B	7J19B	2060	32	015L, I11H, I12H	
	7J26A	7J27A	2090	32	I5L, 010H	
	7J31E	7J25E	2020	31	I6L	
001153	20	000000	000000			
	7J29B	7J19B	2060	32	013L, I5H, I6H, I7H	
	7J30A	7J29A	2090	32	I5L, 010H	
	7J31C	7J30C	2020	31	I6L	
001153	37	000000	000000			
	7J27A	7J26A	2090	32	010H	
001156	00	000000	000000			
	7J33B	7J16G	2080	31	09H	
	7J31D	7J27D	2013	31	010H, C11H, 012H	
	7J27A	7J28A	2090	32	010H	
	7J29A	7J28A	2090	32	011H	
	7J28A	7J26A	2090	32	011H	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-34. FAULT AND DISCONNECT ADVANCE P TEST

P	LOC	STOPS SWAP	AU	AL TYPE	PLATE	RUN	FAULT	FAULT
000000	7J32E	00 7J13E	000000	000000 2050	07,52	0	0	16L
000000	7J31B	04 7J32B	000000	000000 2020	31	0	0	I13H,I14H,I15H
000517	3J32A 3J32B	00 3J31A 3J04B	000000	000000 2090 2920	03 03	1	1	011L,I6H 15L
000737	7J28F	00 7J27C	000000	344707 2900	55	1	1	17L
000737	7J27D 7J28G 7J26G	40 7J26D 7J28F 7J19G	000000	344707 2013 2900 2050	55 55 54,55	0	1	19L,G10L*011L* 012L 17L,G13L*015H, 015H I13H,I14H,I15H
000745	7J26F 7J25D	00 7J24F 7J24D	000000	344707 2020 2013	54 07,54	1	1	15H,16H,17H 010H*011H*012H
000777	3J18B	40 3J11B	000000	000004 2050	47,48	0	1	I13H,I14H,I15H
000777	7J29G 3J26G	40 7J27G 3J11G	000000	000006 2050 2040	54 12	0	1	09L,15H,16H I12L
000777	7J26F 3J17A 3J18B	40 7J24F 3J14A 3J11B	000007	000007 2020 2070 2050	54 47,48 47,48	0	0	I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L, 012H I7L,013H 010L
000777	7J28D	40 7J18C	000007	000007 2030	34,54	0	1	I5L
001001	8J05D	00 8J05E	000000	000000 2930	121	1	0	I11L,I14L,I9H, I5L*I14L,013H* 015L,I7L*I14L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-34. FAULT AND DISCONNECT ADVANCE P TEST

P	LOC	STOPS	SWAP	AU	TYPE	AL	PLATE	RUN	FAULT	FAULT
	8J04D		8J29B		2060		24,121			015L,111H,112H
	7J20G		7J21G		2020		35			I15L
	2J09F		2J04F		2030		77,77A			I12L*I13L*I14L
	8J04C		8J05C		3490		121			I5H
001001		00		000000		000000		1	1	
	2J09F		2J04F		2030		77,77A			I5H,011H,113H
	8J05D		8J05E		2930		121			I7H
001001		00		000000		000003		1	1	
	3J18B		3J11B		2050		47,48			I11H,112H
001001		00		000000		000010		1	1	
	4J04E		4J03E		2920		39			I9L
001151		40		000000		000004		0	0	
	7J30B		7J29B		2060		32			014H,18L*I9L*
	7J33C		8J10F		2040		31			I10L
										I9H,I10H
001151		40		000000		000037		0	0	
	7J23A		7J22A		2060		31			I11L
	7J33C		8J10F		2040		31			015H
001152		37		000000		000000		0	0	
	7J30C		7J32C		2020		31			I5L,I6L,I7L
										011H,012L,I13L
										I14L,I15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

LOCATE SYMPTOM, THEN ITEM, THEN DATA						

ITEM 233						
48	000000	000000	000000	01	X004	
2J01C	2J23C	2013	06			15H,16H,013H* 014H*015H
2J27E	2J14B	2013	59			15H,16H,013H* 014H*015H
7J15C	7J09C	2013	49			15H,16H,013H* 014H*015H
7J15b	7J02B	2060	50			013L,15H,16H, 17H
7J16D	7J09D	2060	49			111L,112L,015H, 111L*112L
7J16F	7J15F	2060	28,49			013L,15H,16H, 17H
7J17G	7J13G	2050	49,51			111L,010H,111L* 112L,113L*114L* 115L
7J16b	7J19B	2060	50			112L,015H,111L* 112L
7J16E	7J19E	2070	10,49,50,54			011L,15H
7J31E	7J29E	2070	07			15L,011H
7J12A	7J14A	2900	50			013H*015L,013H

ITEM 233						
48	000000	000000	000065	01	X000	
7J30E	7J28E	2060	07,52			015L,111H,112H, 013H,15L*16L* 17L

ITEM 233						
48	000000	000000	360466	01	X001	
7J18B	7J19A	2030	53			17L,010H,15L* 16L*17L*18L*19L

ITEM 233						
48	000000	000000	441101	01	X001	
2J12F	2J16F	2070	56,57			19L,014H
3J09C	3J04C	2060	53,30			014H,18L*19L* 110L

ITEM 233						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
48	000000	000000	710004	01	X001	014L, 18H, 19H, 110H
7J02F	7J03F	2060	53			

ITEM 107						
77	000070	000000	000000	02	X000	011L
7J09G	7J03G	2070	36,53			

ITEM 107						
77	000070	000104	000000	02	X000	013H*015L, 013H
4J30F	4J29F	2900	99			

ITEM 107						
77	000070	000204	000000	02	X000	06H*06L, 06H
4J30F	4J29F	2900	99			

ITEM 108						
77	000072	000304	777777	02	X000	015L, 111H, I12H
3J19F	3J18F	2060	46			

ITEM 110						
77	000071	000025	000304	02	X000	013H*015L, 013H
4J26G	4J02G	2900	99			

ITEM 233						
77	000000	000000	000000	01	X001	111L 114L
8J16E	8J15E	2000	114			
3J30A	3J29A	2020	13			

ITEM 233						
77	000000	000000	107111	01	X001	19L
8J18E	8J17E	2000	116			

ITEM 233						
77	000000	000000	502000	01	X001	06H
8J29D	8J26D	2680	124			

ITEM 233						
77	000000	000000	502000	01	X001	15L
8J18B	8J17B	2000	115			

ITEM 233						
77	000000	000000	504622	01	X001	111H, 112H, 113H, 114H
8J12C	8J12A	2920	110			

ITEM 233						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
77	000000	000000	505640	01	X001	
4J07F	4J06F	2040	108			113H,114H
4J10F	4J09F	2040	82			17H,18H

ITEM 233						
77	000000	000000	745475	01	X001	
8J17B	8J15B	2000	115			15L

ITEM 233						
77	000000	000000	766166	01	X001	
8J11D	8J12C	2920	119			111H,112H,113H, 114H

ITEM 233						
77	000000	000000	777777	01	X045	
3J25C	3J22C	2013	43,15			15H,16H,013H* 014H*015H

ITEM 360						
77					X	
8J33A	8J31B	3780	130			110L,110H,111H, 110L*111L
8J34A	8J31B	3780	130			110L,111H
4J31C	4J12C	2030	97			113L,010H,15L* 16L*17L*15L*19L
8J32B	8J31B	3780	130			110L
8J35A	8J31B	3780	130			110L
8J17C	8J15C	2000	116			112L
4J35B	4J35C	2220	29			112H

ITEM 107						
94	000070	000003	000000	02	X000	
4J30G	4J29G	2900	99			110L,111L

ITEM 233						
94	000000	000000	000000	01	X005	
3J24G	3J28F	2900	40			110L

ITEM 233						
94	000000	000000	000065	01	X004	
2J30G	2J35D	2930	69A,70			112H,15L*114L, 08L*06H,06H
2J03D	2J08D	2020	70			113H,114H,115H
2J04D	2J08D	2020	70			011H*012L,113L* 114L*115L,011H
2J23C	2J01C	2013	06			013H*014H*015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 233						
94	000000	000000	504622	01	X001	
8J31D	8J32D	3780	129			19L*18L
8J20E	8J22E	3850	131			014L
8J18B	8J17B	2000	115			110L

ITEM 233						
94	000000	000000	505640	01	X001	
4J05E	4J06E	2040	109			015L, I13H, I14H
8J19C	8J18C	2000	116			I6L, I10L
8J32C	8J31C	3780	129			19L*18L
4J08E	4J07E	2040	83			I7H, I8H
8J22F	8J20F	3850	131			015L
7J08E	7J07E	2000	112			I8L
8J17B	8J15B	2000	115			I6L

ITEM 233						
94	000000	000000	505650	01	X001	
7J06F	7J07F	2000	111			I8L
4J07F	4J06F	2040	108			015L

ITEM 233						
94	000000	000000	777777	01	X045	
3J26D	3J23D	2060	16			014H, I8L*19L* I10L

ITEM 360						
94					X	
2J05C	2J04C	2130	68			I9L, I9H, I10H, I9L*I10L*I11L
2J25D	2J12D	2070	61,64			I6L, 012H
2J20C	2J19C	2050	57			I13H, I14H
8J21A	8J20A	3771	132			I10L
2J18D	2J17D	2930	61,62			I7H
2J26C	2J21C	2060	57,62			I11L*I12L
2J22D	2J34D	2030	61			I7L

ITEM 233						
99	000000	000000	000000	01	X004	
7J15C	7J09C	2013	49			I5L, 013L*014L* 015L
7J12A	7J17A	2900	50			I11L
7J14A	7J17A	2900	50			I11L

ITEM 106						
100	000000	000000	000000	02	X000	
4J21G	4J20G	2050	94			I11H, I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 106						
100	000100	000000	000000	02	X000	
4J16B	4J15B	2000	85			I10L

ITEM 360						
100					X	
8J18C	8J17C	2000	116			I11H, I12H
8J20C	8J21C	3771	132			I14L
8J15B	8J14B	2000	114			I7L

ITEM 233						
102	000000	000000	000000	01	X001	
7J17A	7J14A	2900	52			I5L, 06L*08H, I7L* I5L*I14L, I10L* I12L*I9L, 08H I5L, 013L*014L* 015L I8L, I13L, 015H, I11L*I12L*I13L, I5L*I6L*I7L, I8L* I9L*I10L 015L, I10H 015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L I12L*I13L*I14L
7J06D	7J04D	2013	23			
7J18E	4J03G	2920	52			
7J16C	7J03C	2070	50, 51			
3J09A	3J07A	2920	23			
8J30D	8J29D	3680	124			

ITEM 233						
102	000000	000000	000000	01	X025	
2J11A	2J14A	2070	56, 57, 60, 66, 69A			012L, I6H

ITEM 233						
102	000000	000000	000000	01	X045	
3J15D	3J14D	2930	08, 09			I12L

ITEM 233						
102	000000	000000	000005	01	X001	
3J08F	3J22F	2070	16, 52, 33, 12			I10L, 015H
3J02D	3J31D	2050	16, 25			I5H, I6H

ITEM 233						
102	000000	000000	123204	01	X001	
7J17B	7J14B	2900	52			I5L, 06L*08H, 08H
1J29E	1J25D	2070	57, 58, 67			I7L, 013H
7J16E	7J19E	2070	10, 49, 50, 54			015L, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE P-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	21	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
7J13H	7J23B	2050	50			09L, 17H, 18H
7J15A	7J16A	2060	50			015H, 111L*112L
1J30F	1J29F	2040	67			015L

ITEM 233						
102	000000	000000	360001	01	X001	
8J29D	8J26D	3680	124			111L*113L*114L

ITEM 233						
102	000000	000000	360466	01	X001	
8J31A	8J32A	2013	122			15L, 17H, 18H, 19H, 010H*011H*012H
8J15D	8J12D	2013	24			17H, 18H, 19H, 010H*011H*012H
8J15F	8J17F	2000	114			17L, 19L, 111L, 013L*014H, 17L* 18L, 19L*110L, 111L*112L, 014H
8J16C	8J24B	2013	24, 25			17H, 18H, 19H
3J14E	3J15E	2930	10, 11			19H, 013H*015L, 17L*114L, 013H
8J16A	8J32A	2013	25, 105			15H, 16H
7J13A	7J09A	2050	50			111L, 113L, 010H, 111L*112L, 113L* 114L*115L
7J14A	7J12A	2900	50			06L*08H, 08H
8J28D	8J27D	3670	124			110L*111L*112L

ITEM 233						
102	000000	000000	441101	01	X001	
8J28B	8J24C	3621	122			110L, 15H, 16H, 17H, 19H, 110H, 111H, 15L*16L* 17L, 19H*110H* 111H
8J26B	8J29A	3640	122			15L, 17L, 111L, 012L, 014L, 15H, 19H, 012H, 013H, 015H
8J23C	8J24C	3621	123			15L, 19H, 110H, 111H, 15L*16L* 17L, 19H*110H* 111H
8J28A	8J29A	3640	122			15L, 15L, 111L, 014L, 19H, 012H, 014H, 015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J30D	8J29D	3680	124			06L,07L,08L,09L, I10L*I11L*I14L, I11L*I13L*I14L, I12L*I10L*I14L
8J22C	8J24C	3621	123			19H,110H,I11H, 19H*I10H*I11H
8J25C	8J24C	3621	123			15H,16H,I7H
8J27B	8J29A	3640	122			I11L,014L,19H, 015H
7J16B	7J15B	2060	50			013L,15H,I6H, I7H
8J15F	8J17F	2000	114			I15H,I5L*I6L
8J30C	*****	3760	124			I5L,I5H
3J03C	3J06C	2070	07,11,21,18			013H
8J25D	8J26D	3680	124			I12L*I13L*I14L
8J23D	8J24D	3670	124			I13L
8J27D	8J24D	3670	124			I10L*I11L*I12L
3J06E	3J04E	2060	24,19			I5L*I6L*I7L
8J30E	*****	3760	124			I5H

ITEM 233						
102	000000	000000	503000	01	XL01	
8J17D	8J16D	2013	25			17H,18H,19H, 010H*011H*012H
8J16E	8J11B	2060	25			I12L,015H,I11L* I12L

ITEM 233						
102	000000	000000	504622	01	XL01	
8J35C	8J34C	3780	129			I9L*I8L
8J20E	8J22E	3850	131			015L
8J19B	8J18B	2000	115			I10L

ITEM 233						
102	000000	000000	505640	01	XC01	
7J12D	7J11D	2013	22			15H,16H,013H* 014H*015H
7J17C	7J26C	2900	52			I14L,013L*015H, 015H
8J20F	8J22F	3850	131			013L,014L,015L
8J22G	8J22F	3850	131			013L,014L,015L
7J17E	7J15E	2060	52			015L,I11H,I12H
7J17D	7J16D	2060	52			014H,I8L*I9L* I10L
8J17E	8J16E	2000	116			I6L,I10L
8J17F	8J15F	2000	117			I6L,I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J17C	8J18G	2000	117			16L, I10L
8J18E	8J16E	2000	116			16L, I10L
8J18F	8J15F	2000	117			16L, I10L
8J19E	8J15F	2000	116			16L, I10L
8J19F	8J18G	2000	117			16L, I10L
8J31E	8J34A	3780	130			19L*18L
8J31C	8J32C	3780	130			19L*18L
8J32B	8J34A	3780	130			19L*18L
8J33B	8J34A	3780	130			19L*18L
8J34B	8J32C	3780	130			19L*18L
8J35A	8J34A	3780	130			19L*18L
8J35B	8J32C	3780	130			19L*18L
8J20G	8J22F	3850	131			013L
3J08D	3J05D	2060	22			17L
7J10A	7J08A	2000	105			110L
7J10E	7J08B	2000	105			110L
7J10C	7J08C	2000	105			110L
7J11A	7J20A	2000	105			110L
7J11B	7J06C	2000	105			110L
7J11C	7J08C	2000	105			110L
7J11E	7J10E	2000	104			110L
7J11G	7J10G	2000	104			110L
7J12C	7J14C	2000	105			110L
7J02A	7J12B	2160	22			111L
3J08E	3J07E	2920	22			111L

ITEM 233						
102	000000	000000	707777	01	X001	
8J15F	8J17F	2000	114			15L

ITEM 233						
102	000000	000000	710004	01	X001	
8J25B	8J12B	2070	122, 107			15L, 16L, 19L, 011L, 15H, 011H, 012H, 014H
8J29E	8J16B	2060	122			16L, 19L, 013L, 15H, 16H, 17H, 013H, 014H, 15L* 16L*17L, 18L*19L* 110L
8J30A	8J05A	2070	122			15L, 17L, 013L, 17H, 011H, 013H
8J02B	8J06B	2070	24, 25			15L, 011H
3J07C	3J05C	2920	24			015L, 18H, 19H, 110H

ITEM 233						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	21	MODE	CHAN4	FAULT
LCC	SWAP	TYPE	PLATE			
102	000000	000000	777777	01	X000	15H, 16H, 013H* 014H*015H
3J26A	3J25A	2013	14			

ITEM 233						
102	000000	000000	777777	01	X041	012L
8J02B	8J06B	2070	24, 25			

ITEM 360						
102					X	15H, 16H, 17H, 18H, 19H, 010H*011H* 012H, 013H*014H* 015H
2J13F	2J14F	2013	58			18L, 010L, 15H, 16H, 17H, 18H, 19H, 010H, 15L*16L* 17L*18L*19L
7J18G	7J18F	2030	53			19H, 110H, 111H, 19L*110L*111L
8J20C	8J21C	3771	132			16L, 012L, 16H, 012H
2J12D	2J02D	2070	57, 58, 65A			15L, 013L*014L* 015L
2J01C	2J23C	2013	06			15L, 16L, 013H, 15L*16L*17L
2J10D	2J21D	2060	58, 68			013L, 15H, 16H, 17H
3J08B	3J07B	2060	23, 47, 19			110L
8J31B	8J32B	3780	130			

ITEM 233						
105	000000	000000	000000	01	X000	013H, 15L*16L* 17L
7J19C	7J22C	2060	53			

ITEM 233						
105	000000	000000	000000	01	X004	110L, 014L, 19H, 015H
2J14C	2J25C	2070	58			17L, 010L*011L* 012L
2J01C	2J23C	2013	06			111L*112L
2J02A	2J07A	2060	58, 65A			

ITEM 233						
105	000000	000000	000065	01	X004	15H, 16H
2J01E	2J27D	2013	06			15H, 16H
2J16A	2J03A	2013	58			

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 2-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
7J23E	7J17E	2060	35,49,54			15L,013H,15L* 16L*17L
2J14C	2J25C	2070	58			015L,110H
2J20A	2J14A	2070	58,58,60			110L,015H
7J23C	7J16C	2070	37,49			015L,110H
2J04A	2J12A	2030	58,65A			16L,010H,15L* 16L*17L*16L*19L

ITEM 360						
105					X	
2J32C	2J27C	2013	60,69A			17H,18H,19H, 010H*011H*012H
2J32D	2J31D	2930	61,62			110L,110L*112L, 013L*015H,19L* 110L,015H
2J34E	2J34D	2030	61			010L,15H,16H, 17H,18H,19H
2J30C	2J29C	2050	57			010L,113H,114H, 115H
2J12F	2J16F	2070	56,57			15L,011H
2J12C	2J11C	2130	68			19L*110L*111L
2J08A	2J06A	2900	65A			112H
2J29A	2J24A	2090	61,62			010H
2J31A	2J12A	2030	65A			15L*16L*17L*16L* 19L

ITEM 235						
106	000000	000000	000065	01	X004	
3J14B	3J15B	2930	10,11			17L
2J16F	2J12F	2070	58,60,69A			011L

ITEM 233						
106	000000	000000	000300	01	X045	
3J07B	3J06B	2060	23,19			014H,16L*19L* 110L

ITEM 233						
106	000000	000000	360466	01	X001	
8J25D	8J26D	3680	124			06L,09L

ITEM 233						
106	000000	000000	441101	01	X001	
8J25D	8J26D	3680	124			111L*113L*114L, 112L*110L*114L
8J23D	8J24D	3670	124			110L

ITEM 233						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-1L
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	21	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
106	000000	000000	505640	01	X001	
8J18D	8J17D	2013	25			010L*011L*012L
8J19E	8J18E	2000	116			19L

ITEM 233						
106	000000	000000	710004	01	X001	
8J30A	8J05A	2070	122			012L,I6H

ITEM 233						
106	000000	000000	766166	01	X001	
8J18C	8J17C	2000	116			19L

ITEM 360						
106					X	
8J21A	8J22A	3771	132			19H,110H,I11H, 113H,I14H,I15H, 19L*I10L*I11L, I13L*I14L*I15L
8J20A	8J22A	3771	132			I10L
8J23A	8J22A	3771	132			I11L

ITEM 233						
111	000000	000000	000000	01	X004	
2J04A	2J12A	2030	58,05A			15L

ITEM 233						
111	000000	000000	000000	01	X005	
2J33A	2J32A	2030	65A			010L,15H,I6H, 17H,I8H,I9H
2J06A	2J08A	2900	65A			I12L,06L*08H, 08H

ITEM 233						
111	000000	000000	000065	01	X004	
1J06A	1J08A	2900	65			19L,I12L,06L* 08H,013L*015H, I7L*I15L*I14L, I10L*I12L*I19L, 08H,015H
2J01C	2J23C	2013	06			17H,I8H,I9H, 010H*011H*012H
2J16A	2J03A	2013	58			17H,I8H,I9H, 010H*011H*012H
1J33A	1J32A	2030	65			010L,011L,15H, 16H,I7H,I8H,I9H, I12H,I13H,I14H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM LOC	P SWAP	AL TYPE	Z1 PLATE	MODE CHAN4	FAULT
3J29A	3J30A	2020	13		I15H I5L, I&L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I&L*I9L* I10L, 012H
2J06A	2J08A	2900	05A		I9L, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H
3J22A	3J15A	2013	13, 43		I7L, I&L, 010L* 011L*012L
3J29C	3J25C	2013	13		I7H, I&H, I9H
2J10A	2J09A	2060	05, 65A		014L, I&H, I9H, I10H
2J33A	2J32A	2030	65A		011L, I12H, I13H, I14H, I15H
7J27B	7J23B	2050	07, 34		I7L, 09H, I5L*I6L, I7L*I&L
7J22D	7J17D	2060	49		015L, I11H, I12H
2J02D	2J12D	2070	05A, 70		I10L, 015H
2J14A	2J11A	2070	65A, 06, 69		013L, I7H
2J16F	2J12F	2070	58, 60, 69A		I10L, 015H
3J29B	3J19B	2050	13		010H, I11L*I12L, I13L*I14L*I15L
7J02E	7J28C	2160	50		I10L, 015H, I6L* I7L*I&L*I9L* I10L*I11L*I12L* I13L
2J07B	2J06B	2060	06		013H, I5L*I6L* I7L

ITEM 233

111 000000 000000 777777 01 X004
3J14A 3J12A 2070 08, 27, 107 I6L, 012H

ITEM 360

111 X
1J31A 1J22A 2030 65 010L, I5H, I6H,
I7H, I&H, I9H
1J08A 1J06A 2900 05 I12L
2J08B 2J09B 2900 06 I12H
2J12A 2J04A 2030 66 I5L*I6L*I7L*I&L*
I9L

ITEM 106

115 000050 000000 000000 02 X000

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
4J15B	4J14B	2000	85			115L,013H*014L, 013H
4J25G	4J24G	2050	94			09H,15L*16L,17L* 18L

ITEM 233						
115	0C0000	0C0000	505640	01	XC01	
7J11F	7J10F	2000	104			19H,110H

ITEM 360						
115					X	
8J18B	8J17B	2000	115			111H,112H

ITEM 233						
128	000000	000000	000000	01	XC05	
3J24F	3J28F	2900	40			17L

ITEM 233						
128	000000	000000	777777	01	XC45	
3J18D	3J16D	2070	47			015L

ITEM 233						
130	000000	000000	000000	01	XC00	
3J12C	3J06C	2070	47,11,30			110L,015H

ITEM 233						
130	000000	000000	000065	01	XC04	
2J30G	2J35D	2930	69A,70			112L,15H,110L* 112L,08H*06L, 08H
2J04D	2J08D	2020	70			18L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
2J01E	2J27D	2013	06			17H,18H,19H
2J03D	2J08D	2020	70			16L,18L,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H
2J23C	2J01C	2013	06			15H,16H
2J18A	2J10A	2060	59,69A,70			014L,18H,19H, 110H
2J13A	2J16C	2050	69A,70			111L,010H,111L* 112L,113L*114L* 115L
2J02D	2J12D	2070	65A,70			16L,012H
3J13C	3J04D	2070	07,29,10			014L,19H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
2J09D	2J27D	2013	58			010L*011L*012L

ITEM 360						
130					λ	
2J03E	2J02B	2020	69A			I6L, I9L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
2J18D	2J17D	2930	61, 62			I10L, I10L*I12L, 013L*015H, I9L* I10L, 015H
2J12C	2J11C	2130	68			I9H, I10H, I11H
2J22D	2J34D	2030	61			010L, I5H, I6H, I7H, I8H, I9H
2J30E	2J31E	2040	69A			015L, I5H, I6H, I7H, I8H
2J06E	2J07E	2060	66, 69, 69A			I7L, 013H, I5L* I6L*I7L
2J26D	2J21D	2060	61, 69A			I11L, 015H, I11L* I12L
7J09C	7J15C	2013	14			I6L
2J26C	2J21C	2060	57, 62			I11L, 015H
2J20C	2J19C	2050	57			010L, I15H
2J02E	2J14E	2140	71			I15H
2J04F	2J14E	2140	71			I15L
2J05E	2J14E	2140	71			I15L
2J07E	2J14E	2140	71			I15H
2J08E	2J14E	2140	71			I15L
2J10E	2J14E	2140	71			I15H
2J11E	2J14E	2140	71			I15H
2J13E	2J14E	2140	71			I15L
2J23D	2J24D	2090	61			010H
2J31A	2J22A	2030	65A			I7L

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131	000000	000000	000000	02	X000	
3J14D	3J15D	2930	10, 11			I9L, I7H, 013L* 015H, I9L*I10L, 015H

ITEM 106

131	000071	000000	000000	02	X000	
3J25E	3J26E	2013	15			I6L

ITEM 107

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	21	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
131	000070	000000	000000	02	X000	
4J28D	4J19D	2013	20			15H, 16H, 013H* 014H*015H
3J03F	3J16F	2030	20			010L, 15H, 16H, 17H, 18H, 19H
3J04C	3J02C	2060	20			18L, 014H, 1&L* 19L*110L
4J31D	4J04C	2060	20, 21			16L, 013H, 15L* 16L*17L
4J13D	4J12D	2070	20, 101			15L, 011H

ITEM 233						
131	000000	000000	000000	01	X001	
7J06D	7J04D	2013	23			17H, 18H, 19H, 010H*011H*012H
2J14F	2J13F	2013	59A			17L, 010L*011L* 012L
2J15F	2J13F	2013	59			17L, 010L*011L* 012L
4J06D	4J05D	2013	17, 26			18L, 010L*011L* 012L
4J07D	4J05D	2013	17, 26			19L, 010L*011L* 012L
7J32E	7J13E	2050	07, 52			112L, 113L, 010H, 111L*112L, 113L* 114L*115L
2J18C	2J21C	2060	59A			014L, 18H, 19H, 110H
3J08A	3J10A	2050	17, 23			010L, 113H, 114H, 115H
2J18A	2J10A	2060	59, 69A, 70			015L, 111H, 112H
7J03F	7J02F	2060	26, 35			015L, 111H, 112H
7J19F	7J16F	2060	26, 52			15L, 013H, 15L* 16L*17L
7J03C	7J16C	2070	22, 23			16L, 012H
4J08D	4J09D	2013	17, 26			010L*011L*012L
7J15F	7J04F	2060	51			013H, 15L*16L* 17L
7J15G	7J30F	2060	51			014H, 18L*19L* 110L

ITEM 233						
131	00000G	000000	340776	01	X004	
7J19C	7J22C	2060	53			014H

ITEM 233						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
131	000000	000000	441101	01	X001	
8J24C	8J23C	3621	123			19L, 15H, 16H, 17H
8J29D	8J26D	3680	124			07L, I12L*I10L* 114L

ITEM 233						
131	000000	000000	504622	01	X001	
8J17B	8J15B	2000	115			19L
8J18B	8J19B	2000	115			19L

ITEM 233						
131	000000	000000	505640	01	X001	
3J09A	3J07A	2920	23			18H, 19H, I10H
7J10E	7J08E	2000	104			I10L
7J12L	7J11E	2000	105			I10L
7J12G	7J11G	2000	104			I10L

ITEM 233						
131	000000	000000	612002	01	X001	
3J07C	3J05C	2920	24			18L

ITEM 233						
131	000000	000000	766166	01	X001	
8J17C	8J15C	2000	116			19L

ITEM 360						
131					X	
2J12D	2J02D	2070	57, 58, 65A			014L, 19H
2J09D	2J27D	2013	58			I7L
8J17F	8J15F	2000	117			I11H, I12H
8J18E	8J17E	2000	116			I11H, I12H
8J21A	8J20A	3771	132			I11L
8J23A	8J22A	3771	132			I13L

ITEM 233						
134	000000	000000	000000	01	X007	
7J09G	7J03G	2070	36, 53			014L, 19H
2J09D	2J27D	2013	58			I5L
7J19C	7J22C	2060	53			015H, I11L*I12L

ITEM 233						
134	000000	000000	000065	01	X004	
2J16A	2J03A	2013	58			013H*014H*015H

ITEM 233						
171	000000	000000	067402	01	X045	
8J16B	8J11B	2060	25			015L, I11H, I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J17D	8J16D	2013	25			18L

ITEM 233						
171	000000	000000	441101	01	X001	
3J03C	3J06C	2070	07,11,21,18			17L

ITEM 233						
171	000000	000000	505640	01	X001	
4J11C	4J21C	2070	83,84			17L,19L,110L, 013H,014H,015H
4J11D	4J12D	2070	83,101			15L,16L,011H, 012H
4J10D	4J12D	2070	84,101,82			16L,012H

ITEM 360						
171					X	
7J02C	7J18C	2030	23,30			18L

ITEM 106						
174	000067	000000	773777	02	X000	
3J25A	3J24A	2013	15			16L

ITEM 106						
174	000170	000000	000000	02	X000	
4J16C	4J15C	2000	85			15L,17L,111L, 115H,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
4J22D	4J21D	2050	95			010L

ITEM 106						
174	000470	000000	000000	02	X000	
4J14C	4J15C	2000	85			15L,17L,111L, 115H,013L*014H, 15L*16L,17L*18L, 19L*110L,111L* 112L,014H
4J23D	4J22D	2050	95			09L

ITEM 107						
174	000070	000014	000000	02	X000	
4J29G	4J28G	2900	99			110L,111L

ITEM 107						
174	000070	000060	000000	02	X000	
4J28G	4J02G	2900	99			111L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 107						
174	000070	000300	000000	02	X000	
4J30F	4J29F	2900	99			I10L, I11L

ITEM 107						
174	000070	001400	000000	02	X000	
4J29F	4J28F	2900	100, 99			I11L

ITEM 107						
174	000070	006000	000000	02	X000	
4J28F	4J02F	2900	100			I10L, I11L

ITEM 107						
174	000070	030000	000000	02	X000	
4J30E	4J29E	2900	100			I11L

ITEM 107						
174	000070	140000	000000	02	X000	
4J29E	4J28E	2900	100			I11L

ITEM 107						
174	000070	200000	000000	02	X000	
4J28E	4J02E	2900	100			I10L

ITEM 107						
174	000070	600000	000000	02	X000	
4J28E	4J02E	2900	100			I11L

ITEM 107						
174	000070	777777	000000	02	X000	
4J28D	4J19D	2013	20			013L*014L*015L

ITEM 108						
174	000072	000304	000000	02	X000	
3J13G	3J07G	2920	35			I13L

ITEM 233						
174	000000	000000	000000	01	X001	
8J15A	8J14A	2000	114			I11L

ITEM 233						
174	000000	000000	000000	01	X005	
3J24E	3J23E	2060	41, 15			I2L

ITEM 233						
174	000000	000000	505640	01	X001	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM LOC	P	SWAP	AL	TYPE	Z1 PLATE	MODE	CHAN4	FAULT
4J05C		4J05E		2040	109			015L, I13H, I14H
4J07A		4J06A		2040	110			015L, I13H, I14H
4J07C		4J05E		2040	109			015L, I13H, I14H
4J05B		4J25A		2040	110			I13H, I14H
4J06B		4J25A		2040	110			I13H, I14H
4J06C		4J05E		2040	109			I13H, I14H
4J07B		4J25A		2040	110			I13H, I14H
4J08B		4J25A		2040	84			17H, 18H
4J09B		4J25A		2040	84			17H, 18H
4J10A		4J09A		2040	84			17H, 18H
4J10B		4J25A		2040	84			17H, 18H
7J06A		7J07A		2000	113			18L
7J06C		7J07C		2000	112			18L
7J08C		7J07C		2000	112			18L
4J08C		4J05E		2040	83			18H
4J08E		4J07E		2040	83			015L
4J09C		4J05E		2040	83			18H
4J10C		4J05E		2040	83			18H

ITEM 233

174	000000	000000		507640		01	X001	
	7J07C	7J06C		2000	112			18L
	4J06C	4J05C		2040	109			015L

ITEM 233

174	000000	000000		515640		01	X001	
	7J06B	7J07B		2000	113			18L
	4J07B	4J06B		2040	110			015L

ITEM 233

174	000000	000000		525640		01	X001	
	7J07B	7J06B		2000	113			18L
	4J06B	4J05B		2040	110			015L

ITEM 233

174	000000	000000		545640		01	X001	
	7J08B	7J07B		2000	113			18L
	4J05B	4J06B		2040	110			015L

ITEM 233

174	000000	000000		777777		01	X045	
	3J25D	3J22D		2013	16			17H, 18H, 19H, 010H*011H*012H
	4J09D	4J08D		2013	17,26			17H, 18H, 19H, 010H*011H*012H
	4J06D	4J05D		2013	17,26			15H, 16H, 013H*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	LOC	P	SWAP	AL	TYPE	Z1	PLATE	MODE	CHAN4	FAULT
	3J18A		3J16A		2060		47			014H*015H 013L,15H,16H, 17H
	3J06F		3J13F		2060		17			19L,014H,18L* 19L*I10L
	7J03C		7J16C		2070		22,23			011L,15H
	3J21A		3J19A		2160		44			19L,015H,16L* 17L*18L*19L* 110L*111L*112L* 113L
	3J05F		3J05E		2040		17			015L,19H,110H
	3J26D		3J23D		2060		16			18L
	7J02C		7J18C		2030		23,30			16L

ITEM 360										
174									X	
	8J22A		8J21A		3771		132			I9L
	8J23A		8J20C		3771		132			I14L

ITEM 103										
217		000000		000000		000000		02	X000	
	3J14F		3J15E		2930		10,11			17H,013L*015H, 015H

ITEM 360										
217									X	
	3J27D		3J25D		2013		12			I9L

ITEM 103										
218		000000		000000		000000		02	X000	
	3J14E		3J15E		2930		10,11			I9L

ITEM 360										
218									X	
	2J33E		2J33D		2020		61			I15L

ITEM 233										
224		000000		000000		125737		01	X001	
	4J06C		4J05C		2040		109			I5L,I7L,I9L, 015H,15L*16L, 17L*18L,I9L* 110L,111L*112L, 113L*114L

ITEM 233										
224		000000		000000		445624		01	X001	
	7J07C		7J06C		2000		112			I15L,I7H,I8H,

NAVSEA QP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-35. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
013H*014L,013H						

ITEM 233						
224	000000	000000	766166	01	XC01	
8J17C	8J15C	2000	116			15L

ITEM 360						
224					X	
2J26D	2J21D	2060	61,69A			015L,I11H,I12H
2J12C	2J11C	2130	68			110L
3J12F	3J11F	2050	29			112L,I13L

ITEM 360						
226					X	
2J25A	2J20A	2070	61,64			15L,G11H
2J32D	2J31D	2930	61,62			17H

ITEM 233						
236	000000	000000	000000	01	XC01	
7J09A	7J13A	2050	107			111H,I12H
7J12B	7J02A	2160	106,107			015H,I16L*I17L* 18L*19L*I10L* 111L*I12L*I13L
8J17F	8J15F	2000	117			15L

ITEM 233						
236	000000	000000	127124	01	XC01	
8J18C	8J17C	2000	116			15L

ITEM 233						
239	000000	000000	000000	01	XC01	
8J19D	8J18D	2013	25			15H,I16H,013H* 014H*015H

ITEM 233						
244	000000	000000	000000	01	XC01	
8J22E	8J31E	3760	130			19L,I11L,I7H, 15L*16L,I7L*18L, 17L*18L
8J18F	8J17F	2000	117			15H,I16H,I9H, 110H
8J22G	8J20G	3850	131			014H

ITEM 233						
272	000000	000000	767004	01	XC01	
2J09F	2J04F	2030	77,77A			011H,I12L*I13L* 114L

TABLE E-35. SECONDARY ISOLATION TABLE FOR TABLE E-10
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	21	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
4J06F	4J05B	2040	11G			111H, 112H

ITEM 360						
272					X	
2J05G	2J03G	2090	73A			010L, 15H
2J10F	2J08F	2090	77A			010L, 15H
2J20G	2J18G	2090	75A			010L, 15H
2J04G	2J09G	2030	73, 73A			112L
2J19G	2J14G	2030	75, 75A			115L

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TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 151						
77	FAULT	040510	000000	000000	000000	
4J15C	4J14C	200G	85			I15L,013H*014L, 013H
ITEM 151						
77	FAULT	040707	000000	000000	000000	
8J12B	8J06B	2070	118,119			I5L,I6L,I9L, 013L,014L,17H, 19H,011H,012H, 014H
8J13B	8J07B	2050	118			I6L,I8L,09L, I11L,I12L,I13L, I14L,I15L,I5H, I6H,010H,I11L* I12L,I13L*I14L* I15L
8J35C	8J34C	3780	129			I9L,I11L,17H, I5L*I6L,I7L*I8L, I7L*I8L
8J11C	8J07C	2050	118			I6L,I7L,I12L, I13L,09H,010H, I5L*I6L,I7L*I8L, I11L*I12L,I13L* I14L*I15L
8J12F	8J06E	2070	107,119,120			I7L,I9L,I10L, 013H,014H,015H
8J11B	8J16B	2060	118			I6L,I9L,014L, I8H,I9H,I10H, 014H,18L*I9L* I10L
8J13C	8J07C	2050	118,119			I5L,I6L,I7L,I8L, I13L,I14L,09H, I5L*I6L,I7L*I8L
4J05G	4J06G	2040	108			I5L,I7L,I9L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
4J07G	4J06G	2040	108			I5L,I7L,I9L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
8J11E	8J04D	2060	119			I5L,I6L,I7L,I8L* 013H,014H,015H, I5L*I6L*I7L,I8L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE
LOC	SWAP	TYPE	PLATE		FAULT
					19L*110L, I11L* I12L
8J28A	8J29A	3640	122		17L, 012L, 15H, 013H
8J12A	8J12G	2920	118		15L, 18L, I12L, 015L, 18H, 19H, 110H, 015H, I11L* I12L* I13L, 15L* 16L* I7L, 18L* I9L* I10L
8J12C	8J12G	2920	118		15L, 18L, I12L, 015L, 18H, 19H, 110H, 015H, I11L* I12L* I13L, 15L* 16L* I7L, 18L* I9L* I10L
8J14C	8J13D	2050	119		09L, 010L, 15H, 16H, I11H, I12H
8J14D	8J13D	2050	119		09L, 010L, 15H, 16H, I11H, I12H
8J14E	8J07E	2050	119, 120		09L, 010L, 15H, 16H, I11H, I12H
8J08A	8J09A	2900	118		112H, 06H*08L, 06H
8J08B	8J09A	2900	118		19H, 013H*015L, 013H
8J29B	8J16B	2060	122		014L, 18H, 19H, I10H
8J19B	8J15C	2000	115		17H, 18H, 19H, I10H
8J14F	8J11F	2050	120		09L, 15H, 16H
8J14G	8J09G	2050	120		09L, 15H, 16H
8J17D	8J16D	2013	25		19L
8J11D	8J12G	2920	119		015L, 18H, 19H, I10H
7J06G	7J07G	2000	111		17H, 18H
7J08G	7J07G	2000	111		17H, 18H
8J18B	8J15B	2000	115		17H, 18H
8J13A	8J11A	2050	118		15L, 17L
8J30A	8J05A	2070	122		012H
4J06E	4J05E	2040	109		113H, I14H
4J07E	4J08E	2040	109		113H, I14H
4J09E	4J08E	2040	83		17H, 18H
4J10E	4J05F	2040	83		17H, 18H
8J20E	8J22E	3850	131		015H
3J06B	3J02B	2060	17		17L
8J17B	8J15B	2000	115		18L

TABLE 8-36. SECONDARY ISGLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE
LOC	SWAP	TYPE	PLATE		FAULT
8J17C	8J15C	2000	116		I7L
8J17E	8J16E	2000	116		I8L
8J17F	8J15F	2000	117		I8L
8J17G	8J18G	2000	117		I8L
8J18C	8J15C	2000	116		I8L
8J18E	8J16E	2000	116		I8L
8J18F	8J19F	2000	117		I8L
8J19C	8J15E	2000	116		I8L
8J19E	8J15F	2000	116		I8L
8J12E	8J12G	2920	119		015L
8J13E	8J12G	2920	119		015L
8J13F	8J12G	2920	120		015L
8J13G	8J12G	2920	120		015L

ITEM 151					
77	FAULT	040710	000000	000000	000000
8J13C	8J11C	2050	118,119		I11L, I10H, I11L+ I12L, I13L+I14L+ I15L
8J13B	8J07B	2050	118		010L, I11H, I12H
3J22G	3J25G	2013	42		I5L
8J11G	8J11E	2060	107,120		015H, I11L+I12L
8J17C	8J15C	2000	116		I7H, I8H
8J18B	8J17B	2000	115		I8L
3J07A	3J02A	2920	23		I11L
8J12G	8J13G	2920	120		015L

ITEM 151					
77	FAULT	040737	000000	000100	000000
8J06C	8J03C	2050	80		010H, I11L+I12L, I13L+I14L+I15L

ITEM 151					
77	FAULT	045016	000000	000000	000000
3J24F	3J28F	2900	40		I9H

ITEM 151					
77	FAULT	046151	000000	000000	000000
8J11B	8J16B	2060	118		015H, I11L+I12L

ITEM 151					
77	FAULT	160001	000000	000000	000000
8J11G	8J11E	2060	107,120		I8L+I9L+I10L

ITEM 151					
77	FAULT	161130	000000	000000	000000
8J11G	8J11E	2060	107,120		014H

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TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 151						
77	FAULT	162440	000000	000000	000000	
3J12B	3J09B	2020	27			I14H

ITEM 151						
77	FAULT	162456	000000	000000	000000	
3J12B	3J09B	2020	27			011L*012H

ITEM 151						
77	FAULT	162467	000000	000000	000000	
3J12B	3J09B	2020	27			I5L*I6L*I7L

ITEM 151						
77	FAULT	162560	000000	000000	000000	
3J12B	3J09B	2020	27			I15H

ITEM 151						
77	FAULT	162572	000000	000000	000000	
3J12B	3J09B	2020	27			012H

ITEM 151						
77	FAULT	162663	000000	000000	000000	
3J12B	3J09B	2020	27			I13H

ITEM 151						
77	FAULT	162703	000000	000000	000000	
3J12B	3J09B	2020	27			I8L*I9L*I10L

ITEM 167						
77	LOOP	012475	777700	000000	000000	
8J31D	8J32D	3780	129			I10L

ITEM 167						
77	LOOP	045014	000001	501600	000000	
7J11G	7J10G	2000	104			I9L

ITEM 167						
77	LOOP	062227	000000	507310	000000	
8J29D	8J26D	3680	124			07H

ITEM 167						
77	LOOP	062227	507202	507310	000000	
8J29D	8J26D	3680	124			08H

ITEM 167						
77	LOOP	062227	766166	507310	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J29D	8J26D	3680	124		09H	

ITEM 167						
77	LOOP	062405	000540	777777	000000	
3J13G	3J07G	2920	35			18H,19H,110H
3J15G	3J05G	2060	55,35,34			18L

ITEM 167						
77	FAULT	045016	000000	000000	000000	
3J20A	3J05B	2080	44,45			113L

ITEM 167						
77	FAULT	045016	000001	000000	000000	
3J06D	3J03D	2920	24			15H,16H,17H
4J31C	4J12C	2030	97			115L

ITEM 167						
77	FAULT	045016	000017	000000	000000	
4J31C	4J12C	2030	97			011H,112L*113L*
						114L
4J35B	4J35C	2220	29			113H

ITEM 167						
77	FAULT	045016	177777	000000	000000	
3J17G	3J15G	2060	47			112L
3J18F	3J13F	2060	47			15L

ITEM 167						
77	FAULT	045016	200000	000000	000000	
3J17D	3J08D	2060	47			19L

ITEM 167						
77	FAULT	045016	777777	000000	000000	
4J32D	4J33D	2013	19,21			17H,18H,19H, 010H*011H*012H
4J34D	4J33D	2013	19,21			17H,18H,19H, 010H*011H*012H
4J32C	4J30C	2900	89			19H,112H,06H* 08L,013H*015L, 06H,013H
4J30D	4J29D	2013	20			15H,16H,013H* 014H*015H
3J08B	3J16B	2060	23,47,19			19L,015L,111H, 112H,014H,18L* 19L*110L
3J17G	3J15G	2060	47			014L,18H,19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
4J31G	4J12G	2060	19,30			I10H I12L,015H,I11L* I12L
3J04D	3J13D	2070	20,07,18			I6L,012H
3J06C	3J03C	2070	17,38,19			I10L,015H
4J30F	4J29F	2900	99			I5H,I14H
3J02D	3J31D	2050	16,25			I13H,I14H,I15H
3J21A	3J19A	2160	44			014L,I5H
3J12E	3J24E	2900	29			I14L
3J07B	3J06B	2060	23,19			I12L

ITEM 171						
77	FAULT	001004	000000	000000	000000	
3J18G	3J17G	2060	08,46,			I12L

ITEM 171						
77	FAULT	001243	000000	000000	000000	
3J18G	3J17G	2060	08,46,			I11L

ITEM 171						
77	FAULT	040004	000000	000000	000000	
4J16E	4J15E	2000	86			I15L,013H*014L, 013H

ITEM 171						
77	FAULT	041004	000000	000000	000000	
8J13B	8J07B	2050	118			I7H,I8H,I13H, I14H,I15H
8J11B	8J16B	2060	118			013L,I5H,I6H, I7H
8J12A	8J12C	2920	118			I11H,I12H,I13H, I14H
8J13C	8J11C	2050	118,119			I12L,I15L

ITEM 171						
77	FAULT	041222	000000	000000	000000	
3J22E	3J13E	2013	41,43			I9L

ITEM 171						
77	FAULT	041251	000777	777000	000000	
7J21G	7J20G	2020	36			I6L

ITEM 171						
77	FAULT	041253	000000	041240	000000	
3J29G	3J26G	2040	12			I12L

ITEM 171						

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TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
77	FAULT	043000	000000	000000	000000	
4J21D	4J20D	2050	95			I11L, I14L

ITEM 151						
94	FAULT	000516	000000	000000	000000	
7J09A	7J13A	2050	107			09L, I8H
7J18C	7J02C	2030	49, 107			010H

ITEM 151						
94	FAULT	000517	000000	000000	000000	
8J16F	8J02F	2020	107			I6L
7J09A	7J13A	2050	107			I7H
7J18C	7J02C	2030	49, 107			I5L*I6L*I7L*I6L* I9L

ITEM 151						
94	FAULT	007717	000000	000000	000000	
8J16C	8J24E	2013	24, 25			I9L

ITEM 151						
94	FAULT	040707	000000	000000	000000	
8J12D	8J09D	2013	27			I7L, I5H, I6H, 010L*C11L*012L, 013H*014H*015H
8J35D	8J34D	3780	129			I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
8J11A	8J07A	2050	116			I5L, I8L, I12L, I13L, 09H, 010H, I5L*I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L
8J18D	8J17D	2013	25			I5H, I6H, 013H* 014H*015H
2J03D	2J08D	2020	70			I13L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
2J02D	2J12D	2070	65A, 70			I7L, 013L, I7H, 013H
8J13A	8J03A	2050	118			I6L, I8L, 09H, I5L* I6L, I7L*I8L
7J09D	7J16D	2060	28, 51, 53			013L, I5H, I6H, I7H
8J17A	8J15A	2000	115			I7H, I8H, I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
2J04D	2J08D	2020	70			I14L, I5H, I6H, I7H
8J11B	8J16B	2060	118			015L, I11H, I12H
7J09G	7J03G	2070	36, 53			I10L, 015H
8J02B	8J06B	2070	24, 25			I10L, 015H
8J12B	8J06B	2070	118, 119			015L, I10H
8J22E	8J20F	3850	131			015L, 013H
8J17C	8J15C	2000	116			I6L, I10L
8J18A	8J15A	2000	115			I7H, I8H
8J32D	8J31D	3780	129			I9L*I8L
8J33D	8J34D	3780	129			I9L*I8L
8J34C	8J33C	3780	129			I9L*I8L
8J20E	8J20F	3850	131			013L
8J22F	8J20F	3850	131			013L
7J06E	7J08E	2000	112			I8L
7J07E	7J08E	2000	112			I8L
7J07F	7J06F	2000	111			I8L
7J08F	7J10F	2000	111			I8L
8J17B	8J15B	2000	115			I10L
8J18B	8J19B	2000	115			I6L
8J19A	8J24A	2000	115			I10L
4J05F	4J07F	2040	108			015L
4J06E	4J05E	2040	109			015L
4J06F	4J07F	2040	108			015L
4J07E	4J08E	2040	109			015L

ITEM 151

94	FAULT	040710	000000	000010	000000	
3J17C	3J09C	2060	48			013H, I5L*I6L* I7L

ITEM 151

94	FAULT	040710	000000	000056	000000	
3J05G	3J15G	2060	17, 18			I12L

ITEM 151

94	FAULT	045016	177777	000000	000000	
3J18F	3J13F	2060	47			014L, I8H, I9H, I10H

ITEM 167

94	FAULT	043310	353535	353535	000000	
3J24B	3J23B	2060	41, 15			I7L

ITEM 167

94	FAULT	045016	177777	000000	000000	
3J31D	3J02D	2050	29, 03			I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J17F	3J16F	2030	47,48			I13L

ITEM 167						
94	FAULT	045016	200000	000000	000000	
3J05E	3J09D	2040	17			I5L

ITEM 167						
94	FAULT	045016	343001	000000	000000	
3J19G	3J18G	2060	46			I6L

ITEM 171						
94	FAULT	000013	000000	000012	000000	
3J17D	3J08D	2060	47			I6L

ITEM 171						
94	FAULT	001004	000000	000000	000000	
3J18G	3J17G	2060	08,46,			015H, I11L+I12L

ITEM 171						
94	FAULT	001222	000000	001221	000000	
3J22C	3J25C	2013	41,42			I8L

ITEM 171						
94	FAULT	040711	000000	000000	000000	
8J13A	8J11A	2050	118			I12L, I15L

ITEM 171						
94	FAULT	040737	000000	344707	000000	
3J23B	3J21B	2060	41			I8L

ITEM 171						
94	FAULT	041222	000000	000000	000000	
3J22D	3J20D	2013	41,42			I6L

ITEM 171						
94	FAULT	120001	000000	440000	000000	
3J26C	3J23C	2060	22,35			I7L

ITEM 171						
99	LOOP	041261	000000	000000	000000	
7J19A	7J18B	2030	37			I14L

ITEM 171						
99	HALT	041270	000000	000000	000000	
7J21B	7J20B	2020	37			I13H, I14H, I15H

ITEM 171						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC LOOP, HALT, FAULT)

SYMPTOM	MS6	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
99	HALT	041271	000000	000000	000000	
7J20C	7J14C	2000	37			I15H

ITEM 151						
100	LOOP	041001	000000	000000	000000	
8J06C	8J03C	2050	80			09L

ITEM 151						
100	FAULT	004364	000000	505640	000000	
7J10F	7J08F	2000	104			18L

ITEM 151						
100	FAULT	004374	000000	344707	000000	
4J32B	4J30B	2900	102			19L

ITEM 151						
100	FAULT	040707	000000	000000	000000	
8J18C	8J17C	2000	116			I15L,013H*014L, 013H
7J03F	7J02F	2060	26,35			013H,I5L*16L* 17L

ITEM 151						
100	FAULT	040737	000000	344707	000000	
4J25G	4J24G	2050	94			I11H,I12H

ITEM 151						
100	FAULT	045016	777776	000000	000000	
8J06B	8J02B	2070	79,80			I7L,013H
3J24G	3J28F	2900	40			I12H

ITEM 167						
100	FAULT	001000	000000	000000	000000	
8J15B	8J14B	2000	114			I11L

ITEM 167						
100	HALT	042646	000000	775277	000000	
7J21B	7J20B	2020	37			I5L

ITEM 167						
100	HALT	043270	777000	777277	000000	
7J20B	7J21B	2020	37			I5L

ITEM 151						
102	FAULT	016026	000000	000000	000000	
8J16C	8J24B	2013	24,25			010H*011H*012H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 151						
102	FAULT	040707	000000	000000	000000	
8J32C	8J31C	3780	129			19L, 111L, 17H, 15L*16L, 17L*18L, 17L*18L
8J34C	8J35C	3780	129			19L, 111L, 17H, 15L*16L, 17L*18L, 17L*18L
8J18D	8J17D	2013	25			17H, 18H, 19H, 010H*011H*012H
7J14B	7J17A	2900	50			17L, 013L*015H, 17L*15L*114L, 110L*112L*19L, 015H
8J22F	8J20F	3850	131			014L, 013H, 015H
3J27B	3J20B	2070	14, 15			011L, 15H
7J17B	7J17A	2900	52			17L*15L*114L, 110L*112L*19L
7J17C	7J26C	2900	52			17L*15L*114L, 110L*112L*19L
3J09A	3J07A	2920	23			111L, 111H, 112H, 113H, 114H
8J22F	8J20E	3850	131			013L, 014L
8J16D	8J15D	2013	24			16L
3J07B	3J06B	2060	23, 19			013H, 15L*16L* 17L
3J27C	3J26C	2060	14			015H, 111L*112L
7J10E	7J08E	2000	104			19H, 110H
7J12E	7J11E	2000	105			19H, 110H
8J17A	8J15A	2000	115			16L, 110L
8J17C	8J15C	2000	116			19H, 110H
8J18A	8J19A	2000	115			16L, 110L
8J18C	8J15C	2000	116			16L, 110L
8J19C	8J15E	2000	116			19H, 110H
8J33C	8J31C	3780	129			19L*18L
8J34D	8J33D	3780	129			19L*18L
8J35D	8J33D	3780	129			19L*18L
3J08C	3J30F	2030	18, 24			010H, 15L*16L* 17L*18L*19L
8J02B	8J06B	2070	24, 25			16H
7J10G	7J08G	2000	104			110L
7J12F	7J11F	2000	104			110L
8J19E	8J18E	2000	115			16L

ITEM 151
102 FAULT 040710 000000 000000 000000

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J06E	3J04E	2060	24,19			15H,16H,17H
3J20G	3J16G	2070	8,45			17L,013H

ITEM 151						
102	FAULT	040710	000000	166476	000000	
3J16G	3J14G	2070	09,35,9,48			014L,19H

ITEM 151						
102	FAULT	040737	000000	344707	000000	
7J10G	7J08G	2000	104			17L

ITEM 151						
102	FAULT	044376	000000	000000	000000	
8J19C	8J18C	2000	116			15H,16H

ITEM 151						
102	FAULT	044535	000000	000000	000000	
7J17E	7J15E	2060	52			013L,15H,16H, 17H
7J30E	7J28E	2060	07,52			18L,014H,18L* 19L*110L
7J17D	7J16D	2060	52			013H,15L*16L* 17L

ITEM 151						
102	FAULT	045002	777377	000200	000000	
7J08E	7J07E	2060	112			115L,013H*014L, 013H

ITEM 151						
102	FAULT	047177	000000	000000	000000	
7J11D	7J10D	2013	22			18L,010L*011L* 012L
7J03C	7J16C	2070	22,23			014L,19H

ITEM 167						
102	FAULT	045016	700002	000000	000000	
3J03G	3J06G	2040	18			114L

ITEM 171						
102	FAULT	040737	000000	000000	000000	
3J20G	3J16G	2070	8,45			014L,19H
3J07G	3J13G	2920	36			110L

ITEM 171						
102	FAULT	120001	000000	440000	000000	
3J26C	3J23C	2060	22,35			014L,18H,19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
						I10H,013H,I5L* I6L*I7L
3J27B	3J20B	2070	14,15			I6L,012H
3J08D	3J05D	2060	22			I10L

ITEM 171						
102	HALT	041270	000000	000000	000000	
3J12C	3J06C	2070	47,11,30			I6L,012H

ITEM 151						
105	FAULT	040707	000000	000000	000000	
3J26A	3J25A	2013	14			I7H,I8H,I9H, 010H*011H*012H
7J26B	7J20E	2930	34			I9L,013L*015H, I9L*I10L,015H
7J23D	7J20E	2930	34			I10L*I12L,08H* 06L,08H
3J27D	3J25D	2013	12			I5H,I6H
3J28B	3J30B	2900	12			I12H,06H*08L, 06H
3J27C	3J26C	2060	14			I8L,014H,I8L* I9L*I10L

ITEM 167						
105	HALT	010351	777700	502706	000000	
2J30G	2J35D	2930	69A,70			I9L,013L*015H, I9L*I10L,015H
2J04B	2J02B	2020	69A			I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
2J05B	2J28B	2020	69A			I8L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
2J18A	2J10A	2060	59,69A,70			013L,I5H,I6H, I7H
2J03B	2J02B	2020	69A			I14L,011H*012L, I13L*I14L*I15L, 011H
2J13A	2J16C	2050	69A,70			I5L,09H,I5L*I6L, I7L*I8L

ITEM 167						
105	HALT	010351	777700	502717	000000	
7J28B	7J22B	2070	07,30,53			011L,I5H
7J19C	7J22C	2060	53			I7L

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
106	FAULT	000516	000000	000000	000000	
8J04G	7J16G	2080	40,107			05L,16H,18H
8J16F	8J02F	2020	107			19L,011L*012H

ITEM 151						
106	FAULT	000517	000000	000000	000000	
8J16F	8J02F	2020	107			113H,114H,115H, 15L*16L*17L,18L* 19L*110L,012H
8J04G	7J16G	2080	40,107			17H

ITEM 151						
106	FAULT	040707	000000	000000	000000	
8J24D	8J23D	3670	124			114L,110H,111H, 112H,113H,114H, 115H,110L*111L* 112L,113L*114L* 115L
7J09C	7J15C	2013	14			17H,18H,19H, 010H*011H*012H
8J08D	8J07D	2013	21			17H,18H,19H, 010H*011H*012H
8J09D	8J12D	2013	21,25			15H,16H,013H* 014H*015H
8J03D	8J02D	2013	06			15L,013L*014L* 015L
8J08C	8J08B	2900	119			112H,06H*08L, 06H
8J09C	8J08E	2900	119			112H,06H*08L, 06H
8J02A	8J11B	2060	21,25,54			15L,16L,013H, 15L*16L*17L
3J13D	3J04D	2070	07,29,10			17L,013H
3J14A	3J12A	2070	08,27,107			015L,110H
3J16G	3J14G	2070	09,35,9,48			011L,15H
3J06E	3J04E	2060	24,19			15L,18L
8J30D	8J29D	3680	124			09H
3J02E	3J06B	2060	21,18			110L
8J15A	8J14A	2000	114			16L
8J19E	8J18B	2000	115			19L

ITEM 151						
106	FAULT	040710	000000	000000	000000	
7J11G	7J10G	2000	104			18L

ITEM 167						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
106	LOOP	062405	000540	777777	000000	
8J27B	8J26B	3640	122			I9L,014H

ITEM 167						
106	FAULT	005251	000000	400000	000000	
8J30A	8J05A	2070	122			011L

ITEM 167						
106	FAULT	045016	770707	000000	000000	
3J17E	3J03E	2030	48			I15L

ITEM 167						
106	FAULT	062234	000000	507310	000000	
8J16F	8J02F	2020	107			I5L

ITEM 151						
115	FAULT	000007	000000	000000	000000	
7J07F	7J06F	2000	111			I15L,013H*014L, 013H
8J18B	8J17B	2000	115			I5H,I6H

ITEM 151						
115	FAULT	040707	000000	000000	000000	
8J31D	8J32D	3780	124			I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
8J18B	8J17B	2000	115			I15L,I9H,I10H, 013H*014L,013H
8J20E	8J22E	3850	131			014H

ITEM 151						
115	FAULT	157732	000000	000000	000000	
7J11F	7J10F	2000	104			013H

ITEM 151						
115	FAULT	157733	000000	000000	000000	
7J11F	7J10F	2000	104			013H*014L

ITEM 151						
115	FAULT	160042	000000	000000	000000	
7J11F	7J10F	2000	104			I15L

ITEM 151						
115	FAULT	166210	000000	000000	000000	
8J15C	8J17C	2000	114			I6H

ITEM 151						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
115	FAULT	173602	000000	000000	000000	
8J15C	8J17C	2000	114			15H

ITEM 151						
128	FAULT	044001	000000	000000	000000	
3J18F	3J13F	2060	47			013H,15L*16L* 17L

ITEM 167						
128	FAULT	045016	000000	000000	000000	
3J09D	3J05A	2040	30			17L,113L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
3J17F	3J16F	2030	47,48			010L,15H,16H, 17H,18H,19H
3J17A	3J14A	2070	47,48			011L,15H
3J18C	3J17C	2060	47			014H,18L*19L* 110L
3J20C	3J19C	2060	45			015H,111L*112L
3J02A	3J07A	2920	21			18H,19H,110H
3J05C	3J07C	2920	19			19L

ITEM 167						
128	FAULT	045016	353535	000000	000000	
3J19C	3J18C	2060	45			013L,15H,16H, 17H
3J23B	3J21B	2060	41			013L,15H,16H, 17H
3J22F	3J08F	2070	41			16L,012H

ITEM 151						
131	LOOP	041332	424242	424242	000000	
3J22D	3J20D	2013	41,42			17H,18H,19H, 010H*011H*012H

ITEM 151						
131	FAULT	016026	000000	000000	000000	
8J17F	8J15F	2000	117			115L,013H*014L, 013H

ITEM 151						
131	FAULT	040000	000000	000000	000000	
3J22C	3J25C	2013	41,42			013L*014L*015L

ITEM 151						
131	FAULT	040707	000000	000000	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J34D	8J33D	3780	129			I9L, I11L, I7H, I5L*I6L, I7L*I8L, I7L*I8L
8J06A	8J08C	2900	118			I11L, I9H, 013H* 015L, 013H
8J03D	8J02D	2013	06			I5H, I6H
8J09D	8J08D	2013	21, 25			I5L, 013L*014L* 015L
8J02A	8J11B	2060	21, 25, 54			013L, I5H, I6H, I7H
8J16E	8J17E	2000	116			I15L, 013H*014L, 013H
7J11G	7J10G	2000	104			I9H, I10H
8J18A	8J17A	2000	115			I9H, I10H
3J12A	3J14A	2070	03, 07, 09, 53			011H
8J08E	8J08C	2900	118			I11L
8J09A	8J08C	2900	118			I11L
8J09C	8J08C	2900	119			I11L
8J22E	8J20E	3850	131			014H
7J30F	7J23F	2060	34			I5L
7J06G	7J07G	2000	111			I8L
7J10F	7J08F	2000	104			I10L
7J11F	7J12F	2000	104			I10L
8J15F	8J17F	2000	114			I6L
8J19A	8J24A	2000	115			I9L
4J07G	4J06G	2040	108			015L
3J09A	3J07A	2920	23			I9L

ITEM 151
131 FAULT 040710 000000 000000 000000

3J29B	3J16C	2050	13			I5L, I7L, 09H, I5L* I6L, I7L*I8L
3J16B	3J08E	2060	48, 27, 36			013L, I5H, I6H, I7H
3J21F	3J20F	2060	44			014H, 015H, I8L* I9L*I10L, I11L* I12L
3J18C	3J17C	2060	47			015L, I11H, I12H
3J28C	3J30C	2900	12			I5L, I12L
3J19B	3J18B	2050	47, 46			09H, I5L*I6L, I7L* I8L
3J27G	3J12G	2050	12			09L, I7H, I8H
3J16A	3J13A	2060	48, 28			014H, I8L*I9L* I10L
3J18A	3J27A	2060	47			015H, I11L*I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J28G	3J21G	2060	12,48			013H,15L*16L*17L
3J06G	3J03G	2040	17			16L,110L,114L
8J28G	8J27D	3670	124			113L*114L*115L
3J06E	3J02B	2060	17			112L
7J10E	7J08E	2000	104			15L

ITEM 151						
131	FAULT	040712	000000	000000	000000	
3J23L	3J22E	2013	40,43			15L,013L*014L*015L

ITEM 151						
131	FAULT	045402	000000	000000	000000	
3J12A	3J14A	2070	03,07,09,53			15L

ITEM 167						
131	FAULT	062406	000540	777777	000000	
7J10A	7J08A	2000	105			16L

ITEM 171						
131	FAULT	000001	000000	041240	000000	
7J10G	7J08G	2000	104			16L

ITEM 171						
131	FAULT	102501	000000	041240	000000	
3J22E	3J13E	2013	41,43			18L

ITEM 171						
131	FAULT	105641	000000	041240	000000	
3J07F	3J04F	2920	22			110L

ITEM 151						
134	FAULT	040707	000000	000000	000000	
2J23C	2J01C	2013	06			17H,18H,19H, 010H*011H*012H
7J09C	7J15C	2013	14			15H,16H,013H* 014H*015H
7J17E	7J15E	2060	52			19L,014H,18L* 19L*110L

ITEM 167						
134	HALT	011414	400000	017102	307712	
2J04B	2J03B	2020	69A			114L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
2J05B	2J28B	2020	69A			I5H, I6H, I7H, 011H*012L, I13L* I14L* I15L, 011H
2J12D	2J02D	2070	57, 58, 65A			I7L, 013H
2J16F	2J12F	2070	58, 60, 69A			I6L, 012H

ITEM 151						
174	LOOP	050000	107501	777310	000000	
	7J07A	7J06A	2000	113		I&L
	4J06A	4J05A	2040	110		015L

ITEM 151						
174	FAULT	000060	000000	060000	000000	
	7J08A	7J07A	2000	113		I&L
	4J05A	4J06A	2040	110		015L

ITEM 151						
174	FAULT	013451	000000	400000	000000	
	4J05A	4J06A	2040	110		I13H

ITEM 151						
174	FAULT	040707	000000	000000	000000	
	8J18A	8J17A	2000	115		I9L
	4J10E	4J09E	2040	83		015L

ITEM 151						
174	FAULT	040710	000000	000000	000000	
	3J25G	3J22G	2013	16		I5H, I6H, 013H* 014H*015H
	3J05E	3J09D	2040	17		I9L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
	4J08D	4J07D	2013	17, 26		I5L, 013L* 014L* 015L
	3J28E	3J24E	2900	12		I12H, 06H* 08L, 00H
	3J09G	3J14G	2070	30, 34, 17		015L, I10H
	3J27F	3J22F	2070	12		I7L, 013H
	3J28G	3J21G	2060	12, 48		I7L
	3J29G	3J26G	2040	12		015L

ITEM 151						
174	FAULT	040710	000000	777777	000000	
	3J25G	3J22G	2013	16		I6L, 013L* 014L* 015L
	3J14A	3J12A	2070	08, 27, 107		I7L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J10A	3J08A	2050	107			17H,18H
3J08C	3J22B	2080	22			I12L

ITEM 151						
174	FAULT	054132	000000	400000	000000	
4J05A	4J06A	2040	110			I14H

ITEM 151						
174	FAULT	163737	000000	000000	000000	
4J08A	4J07A	2040	84			17H

ITEM 151						
174	FAULT	167020	000000	000000	000000	
4J08A	4J07A	2040	84			18H

ITEM 167						
174	LOOP	023677	000037	010577	000000	
3J18F	3J13F	2060	47			I10L

ITEM 167						
174	LOOP	062405	000540	777777	000000	
3J13D	3J04D	2070	07,29,10			012L,I6H
3J14G	3J09G	2070	55,35,29			012L,I6H
3J15G	3J05G	2060	55,35,34			014H,I8L*I9L*
						I10L
7J20G	7J21G	2020	35			I6L

ITEM 167						
174	FAULT	023700	261240	033677	000000	
3J11A	3J16A	2060	27,30			013L,I5H,I6H, 17H
3J18F	3J13F	2060	47			013L,I5H,I6H, 17H
3J08C	3J22B	2080	22			05L,I14L,I6H, 17H,18H
3J13A	3J16A	2060	27			I12L,015H,I11L* I12L
3J16G	3J14G	2070	09,35,9,48			I7L,013H
7J06D	7J04D	2013	23			I9L
3J07A	3J02A	2920	23			I11H,I12H,I13H, I14H
3J13G	3J07G	2920	35			I11H,I12H,I13H, I14H
4J04B	4J02B	2900	27			I12H
3J06A	3J16A	2060	19,38			I11L
3J19F	3J20F	2060	46			I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J21D	3J17D	2060	44			I11L
3J26C	3J23C	2060	22,35			I11L

ITEM 167						
174	FAULT	023701	602502	633700	000000	
3J08C	3J22B	2080	22			I8L

ITEM 167						
174	FAULT	045016	000000	000000	000000	
4J27G	4J26G	2050	91,94			09L,I7H,I8H
4J27F	4J25F	2920	91			I11H,I12H,I13H, I14H
4J20C	4J22C	2920	95			I9L
4J22F	4J20F	2920	94			I12L

ITEM 167						
174	FAULT	045016	000001	000000	000000	
3J13D	3J04D	2070	07,29,10			I10L,015H

ITEM 167						
174	FAULT	045016	000004	000000	000000	
4J22E	4J21E	2920	93			015H,I11L*I12L* I13L,I15L*I16L* I7L,I8L*I9L* I10L
4J20F	4J11F	2920	94			I5H,I6H,I7H

ITEM 167						
174	FAULT	045016	077777	000000	000000	
3J20F	3J19F	2060	27,45			013L,I5H,I6H, I7H
4J04C	4J03C	2060	27,38			I6L

ITEM 167						
174	FAULT	045016	700000	000000	000000	
4J04B	4J02B	2900	27			06H*08L,06H

ITEM 167						
174	FAULT	045016	700002	000000	000000	
4J20A	4J13A	2920	96			I13L
4J22E	4J21E	2920	93			I6L

ITEM 167						
174	FAULT	045016	777777	000000	000000	
3J05A	3J04A	2040	19			I9L

ITEM 171

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
174	LOOP	041170	000000	000000	000000	
4J27E	4J26E	2920	91			18L

ITEM 171						
174	FAULT	040004	000000	000000	000000	
4J24D	4J23D	2050	95			17H, 18H

ITEM 171						
174	FAULT	041004	000000	000000	000000	
3J16G	3J14G	2070	09,35,9,48			015L, I10H
3J29F	3J17F	2030	48,12			16L, 010H, 15L*
						16L*17L*18L*19L
3J29G	3J26G	2040	12			110L, I14L

ITEM 171						
174	FAULT	041047	000000	505540	000000	
4J23F	4J22F	2920	94			19L, I13L

ITEM 171						
174	FAULT	041240	000000	000000	000000	
3J24G	3J28F	2900	40			114L

ITEM 171						
174	FAULT	041714	000000	000710	000000	
4J20D	4J21D	2050	95			16L, 17L

ITEM 171						
174	FAULT	045641	000000	000000	000000	
3J19F	3J18F	2060	46			015H, I11L*112L

ITEM 171						
174	FAULT	143744	000000	000000	000000	
3J13D	3J04D	2070	07,29,10			015L, I10H
3J13G	3J07G	2920	35			112L

ITEM 151						
186	FAULT	040707	000000	000000	000000	
4J05B	4J06B	2040	110			15L, 17L, 19L,
						015H, 15L*16L,
						17L*18L, 19L*
						110L, I11L*112L,
						113L*114L
7J08B	7J07B	2000	113			115L, 17H, 18H,
						013H*014L, 013H

ITEM 171						
186	FAULT	061253	000000	001240	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
4J10D	4J11D	2070	84,101,82			012L,16H

ITEM 171						
186	FAULT	105004	000000	000000	000000	
6J24A	6J23A	0651	164			153H
6J21C	6J19C	0761	135,136,138,175			128L,052L
8J03F	8J04F	2050	113			15L,09H,15L*16L, 17L*18L
8J07F	8J06F	2050	81			113H,114H,115H
7J08B	7J07b	2000	113			19H,110H

ITEM 171						
213	LOOP	041265	070707	000000	000000	
4J09G	4J08G	2040	82			112L

ITEM 171						
213	LOOP	041265	424242	424242	000000	
4J10G	4J09G	2040	82			112L

ITEM 151						
217	FAULT	040707	000000	000000	000000	
8J33C	8J32C	3780	129			19L,111L,17H, 15L*16L,17L*18L, 17L*18L
7J11E	7J10E	2000	104			19H,110H
8J18C	8J17C	2000	116			19H,110H
8J22F	8J20F	3850	131			014H
8J18F	8J17F	2000	117			15L

ITEM 151						
217	FAULT	040710	000000	000000	000000	
8J17G	8J18G	2000	117			15L

ITEM 167						
217	FAULT	045016	000000	000000	000000	
4J22D	4J21D	2050	95			17L
4J24D	4J23D	2050	95			16L

ITEM 167						
217	FAULT	045016	000001	000000	000000	
3J03C	3J06C	2070	07,11,21,18			013L,17H

ITEM 171						
217	FAULT	100001	000000	764362	000000	
6J23C	6J21C	0761	135,138,175			053H

ITEM 151						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
218	FAULT	040707	000000	000000	000000	
8J08C	8J09C	2900	119			I9H,013H*015L, 013H

ITEM 151						
224	FAULT	040707	000000	000000	000000	
8J18E	8J17E	2000	116			I5L
3J08A	3J10A	2050	17,23			I13L

ITEM 167						
226	HALT	010351	777700	502706	000000	
3J14A	3J12A	2070	08,27,107			I9L,014H
2J04B	2J03B	2020	69A			I13H,I14H,I15H
2J05B	2J28B	2020	69A			I13H,I14H,I15H
2J30G	2J35D	2930	69A,70			I7H

ITEM 167						
226	HALT	011414	400000	017102	307712	
2J30G	2J35D	2930	69A,70			I9H,013H*015L, I7L*I14L,013H
2J06B	2J07B	2060	66,69,69A			013L,I5H,I6H, I7H
2J30E	2J31E	2040	69A			I5L,I8L

ITEM 171						
226	LOOP	041262	424242	424242	000000	
4J08G	4J07G	2040	82			I12L

ITEM 151						
236	FAULT	000000	000000	000000	000000	
8J31C	8J32C	3780	130			I9L,I11L,I7H, I5L*I6L,I7L*I8L, I7L*I8L
8J17E	8J16E	2000	116			I9H,I10H
8J20F	8J22F	3850	131			013H

ITEM 151						
236	FAULT	000002	000000	000000	000000	
8J35B	8J34B	3780	130			I9L,I7L*I8L
8J20F	8J22F	3850	131			014H
8J18E	8J17E	2000	116			I10H

ITEM 151						
236	FAULT	000003	000000	000000	000000	
8J35B	8J34B	3780	130			I11L,I7H,I5L* I6L,I7L*I8L
8J18E	8J17E	2000	116			I9H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 151						
236	FAULT	001000	000000	000000	000000	
8J12E	8J13E	2920	119			I12L,015H,I11L* I12L*I13L,I8L* I9L*I10L
8J14D	8J13D	2050	119			I6L,I8L
8J19C	8J18C	2000	116			I7H

ITEM 151						
236	FAULT	001000	000000	000010	000000	
7J10C	7J08C	2000	105			I15L,013H*014L, 013H

ITEM 151						
236	FAULT	001001	000000	000000	000000	
8J12B	8J06B	2070	118,119			011L,I5H
8J14C	8J13C	2050	119			010H,I11L*I12L, I13L*I14L*I15L
8J14D	8J13D	2050	119			09H,I5L*I6L,I7L* I8L
8J17E	8J16E	2000	116			I7H,I8H
8J12E	8J13E	2920	119			I5L,I8L,I5L*I6L* I7L
8J19C	8J18C	2000	116			I8H

ITEM 151						
236	FAULT	002002	000000	000000	000000	
8J14D	8J02E	2050	119			I12L,I15L,010H, I11L*I12L,I13L* I14L*I15L
8J13D	8J14C	2050	119			I13L,I11L*I12L, I13L*I14L*I15L
8J11E	8J04D	2060	119			I9H,I10H
7J11C	7J10C	2000	105			013H

ITEM 151						
236	FAULT	002003	000000	000000	000000	
8J11E	8J04D	2060	119			014L,I8H
7J11C	7J10C	2000	105			I15L,013H*014L
8J18E	8J17E	2000	116			I7H,I8H
8J13D	8J14D	2050	119			I12L,010H

ITEM 151						
236	FAULT	040707	000000	000000	000000	
8J08E	8J08F	2900	119			I11L,I12H,06H* 08L,06H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J09C	8J08C	2900	119			19H, 013H*015L, 013H
7J12C	7J11C	2000	105			115L, 013H*014L, 013H
8J14D	8J13D	2050	119			15L, 17L, 111L
8J12E	8J13E	2920	119			18H, 19H, 110H

ITEM 151						
236	FAULT	040710	000000	000000	000000	
8J14C	8J13C	2050	119			111L

ITEM 151						
236	FAULT	043531	000000	000077	000000	
8J11E	8J04D	2060	119			112L

ITEM 151						
236	FAULT	045000	000000	000000	000000	
8J34B	8J33B	3780	130			19L, 111L, 17H, 15L*16L, 17L*18L, 17L*18L
8J14E	8J07E	2050	119, 120			15L, 16L, 17L, 18L, 09H, 15L*16L, 17L* 18L
8J13E	8J12E	2920	119			15L, 18L, 112L, 18H, 19H, 110H, 015H, 111L*112L* 113L, 15L*16L* 17L, 18L*19L* 110L
8J08E	8J09C	2900	119			19H, 013H*015L, 013H
8J19L	8J18E	2000	116			17H, 18H, 19H, 110H
8J12F	8J06E	2070	107, 119, 120			015L, 110H
8J20F	8J22F	3850	131			015H

ITEM 167						
236	LOOP	062405	000540	777777	000000	
7J12B	7J02A	2160	106, 107			111L, 112L

ITEM 167						
236	FAULT	045016	000000	000000	000000	
4J34G	4J27G	2050	33			112L

ITEM 167						
236	FAULT	045016	777777	000000	000000	
4J34G	4J27G	2050	33			113L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 171						
23c	FAULT	000001	000000	000000	000000	
4J24C	4J21C	2070	95			013L, 17H
4J25D	4J24D	2050	95			114L

ITEM 171						
23c	FAULT	000003	000000	000000	000000	
4J25D	4J24D	2050	95			16L, 17L

ITEM 171						
23c	FAULT	001000	000000	000000	000000	
7J10C	7J09C	2000	105			15H, 16H
8J11E	8J04D	2060	119			112H
4J25D	4J24D	2050	95			111L

ITEM 171						
23c	FAULT	001001	000000	000000	000000	
8J11E	8J04D	2060	119			015L, 111H

ITEM 171						
23c	FAULT	041004	000000	000000	000000	
8J14C	8J13D	2050	119			16L, 18L, 112L, 115L, 17H, 18H
8J12E	8J06E	2070	11c, 119			012L, 16H
8J13C	8J11C	2050	118, 119			113H, 114H, 115H
8J14D	8J13D	2050	119			113L, 114L

ITEM 171						
23c	FAULT	041202	000000	000000	000000	
8J13D	8J14D	2050	119			09L, 15H, 16H
8J11E	8J04D	2060	119			111L
8J14C	8J13C	2050	119			113L

ITEM 171						
23c	FAULT	043777	000000	000000	000000	
4J26C	4J24C	2070	92, 95, 100			014L, 19H
4J27D	4J26D	2050	92, 95			112L, 113L

ITEM 151						
239	FAULT	00051c	000000	000000	000000	
8J13F	8J13E	2920	120			19H, 110H

ITEM 151						
239	FAULT	000517	000000	000000	000000	
8J13F	8J13E	2920	120			18H

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TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-1C
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 151						
239	FAULT	016026	000000	000000	000000	
8J08F	8J09F	2900	120			I12H,06H*08L, 06H
8J14E	8J07E	2050	119,120			I11L,010H,I11L* I12L,I13L*I14L* I15L
8J17F	8J15F	2000	117			I7H,18H

ITEM 151						
239	FAULT	031571	000000	000000	000000	
8J33B	8J32B	3780	130			I9L

ITEM 151						
239	FAULT	031675	000000	000000	000000	
8J33B	8J32B	3780	130			I5L*I6L

ITEM 151						
239	FAULT	031700	000000	000000	000000	
8J33B	8J32B	3780	130			I7L*I8L

ITEM 151						
239	FAULT	031720	000000	000000	000000	
8J33B	8J32B	3780	130			I11L

ITEM 151						
239	FAULT	032355	000000	000000	000000	
8J33B	8J32B	3780	130			I7L*I8L

ITEM 151						
239	FAULT	033013	000000	000000	000000	
8J17F	8J15F	2000	117			I9H

ITEM 151						
239	FAULT	034315	000000	000000	000000	
8J17F	8J15F	2000	117			I10H

ITEM 151						
239	FAULT	035472	000000	000000	000000	
8J33B	8J32B	3780	130			I7H

ITEM 151						
239	FAULT	037567	000000	000000	000000	
8J22G	8J20G	3850	131			O13H

ITEM 151						
239	FAULT	040707	000000	000000	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	LOC	MSG	SWAP	P	AU	AL	CE	FAULT
				TYPE	PLATE			
	8J08F		8J09F	2900	120			I11L

ITEM 167								
239	7J12B	LOOP	7J02A	062405 2160	000540	777777 106,107	000000	I9L

ITEM 151								
244	7J11B	LOOP	7J10B	040725 2000	000000	577246 105	000000	I15L

ITEM 151								
244	8J08F	LOOP	8J09F	040725 2900	000000	605032 120	000000	013H*015L

ITEM 151								
244	8J08F	LOOP	8J09F	040725 2900	000000	605227 120	000000	I9H

ITEM 151								
244	8J08F	LOOP	8J09F	040725 2900	000000	605355 120	000000	013H

ITEM 151								
244	8J18F	LOOP	8J17F	040725 2000	000000	607217 117	000000	I7H

ITEM 151								
244	8J18F	LOOP	8J17F	040725 2000	000000	607672 117	000000	I8H

ITEM 151								
244	7J11B	LOOP	7J10B	040725 2000	000000	610002 105	000000	013H*014L

ITEM 151								
244	7J11B	LOOP	7J10B	040725 2000	000000	610302 105	000000	013H

ITEM 151								
244	8J14F	LOOP	8J11F	040725 2050	000000	610774 120	000000	09H

ITEM 151								
244	8J14F	LOOP	8J11F	040725 2050	000000	611263 120	000000	I5L

ITEM 151								

TABLE 8-36. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
244	LOOP	040725	000000	611274	000000	
8J14F	8J11F	2050	120			17L

ITEM 151						
244	LOOP	040725	000000	611300	000000	
8J14F	8J11F	2050	120			15L*16L

ITEM 151						
244	LOOP	040725	000000	611307	000000	
8J14F	8J11F	2050	120			17L*18L

ITEM 107						
244	LOOP	062405	000540	777777	000000	
7J12E	7J02A	2160	106,107			18L

ITEM 151						
272	FAULT	040707	000000	000000	000000	
7J07G	7J06G	2000	111			18L
4J06G	4J05G	2040	108			015L

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

LOCATE SYMPTOM, THEN ITEM, THEN DATA					

ITEM 168					
48	001246	177777	001240	017072	
3J23A	3J03E	2030	41		011L, 112H, 113H, 114H, 115H

ITEM 168					
48	001246	177777	001240	177777	
3J25D	3J26B	2013	15		17H, 18H, 19H, 010H*011H*012H
3J12A	3J14A	2070	03,07,09,53		19L, 014H
3J16C	3J33C	2050	48,53		010L

ITEM 168					
48	001246	501117	001240	000000	
3J16C	3J33C	2050	48,53		111H, 112H

ITEM 168					
48	010266	000001	000001	000001	
2J27D	2J09D	2013	59A,60		17H, 18H, 19H, 010H*011H*012H

ITEM 168					
48	010266	000125	000125	000125	
2J12F	2J16F	2070	56,57		015L, 110H

ITEM 168					
48	010266	037477	177777	017101	
7J18C	7J02C	2030	49,107		115L

ITEM 168					
48	010266	177777	177777	000000	
7J15D	7J14D	2013	49		15H, 16H, 013H* 014H*015H
7J16D	7J09D	2060	49		013H, 15L*16L* 17L

ITEM 168					
48	010266	177777	177777	017101	
7J02B	7J15B	2060	22,23,49		013L, 15H, 16H, 17H
7J16D	7J09D	2060	49		16L
7J17G	7J13G	2050	49,51		115L

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TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
48	010266	177777	177777	177777	
7J12A	7J14A	2900	50		I9H

ITEM 168					
48	010722	501116	501116	000000	
7J21D	7J20D	2013	37		I8L

ITEM 168					
48	043057	177777	200000	000000	
7J16E	7J19E	2070	10,49,50,54		I7L,013H

ITEM 172					
48	041237	000000	000000		
3J20E	3J18E	2070	45		I7L,013H
3J23G	3J20G	2070	14,41,44,46		I10L,015H
3J23A	3J03E	2030	41		I9L,010H,I5L* I6L*I7L*I8L*I9L

ITEM 172					
48	041300	000000	000000		
7J21D	7J20D	2013	37		010L*011L*012L

ITEM 152					
77	040707	000000	000000		
3J02D	3J31D	2050	16,25		010L

ITEM 152					
77	041537	000000	000000		
8J14F	8J11F	2050	120		010L,I11H,I12H
8J19F	8J18F	2000	117		I8L

ITEM 168					
77	001246	024416	001240	013702	
3J27A	3J18A	2060	13,25,33		I7L

ITEM 168					
77	001246	400000	001240	307712	
3J09A	3J07A	2920	23		I8L

ITEM 168					
77	011220	777700	000000	000000	
8J31A	8J16A	2013	122		010L*011L*012L
8J32D	8J31D	3780	129		I10L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
77	011464	400000	000000	307712	
8J34B	8J33B	3780	130		I10L
8J35B	8J31C	3780	130		I10L

ITEM 168					
77	011671	017102	017102	000000	
8J31C	8J32C	3780	130		I10L
8J33B	8J32B	3780	130		I10L

ITEM 168					
77	012247	000000	035000	607707	
8J32C	8J31C	3780	129		I10L

ITEM 168					
77	012247	176000	167400	607707	
8J33C	8J32C	3780	129		I10L

ITEM 168					
77	012247	177400	177400	607707	
8J34A	8J33A	3780	130		I10L*I11L

ITEM 168					
77	042622	777777	000000	000000	
7J09G	7J03G	2070	36,53		I6L,012H

ITEM 168					
77	043061	157000	200000	000000	
8J24B	8J32A	2013	122		013H*014H*015H

ITEM 168					
77	043061	300000	100000	000000	
8J14G	8J09G	2050	120		010L,111H,112H
8J18G	8J17G	2000	117		I8L

ITEM 168					
77	043523	000000	000002	000000	
8J25D	8J26D	3680	124		06H,07H,08H,09H

ITEM 168					
77	045246	400000	377777	000000	
8J25D	8J26D	3680	124		06L

ITEM 168					
77	064346	000000	000007	000000	
7J18C	7J02C	2030	49,107		I6L

ITEM 172

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LCC	SWAP	TYPE	PLATE		
77	040777	000000	777775		
4J096	4J086	2040	82		15L

ITEM 172					
77	041220	000000	003364		
3J16A	3J13A	2060	46,28		013H,15L*16L* 17L

ITEM 172					
77	041220	000000	373365		
3J21A	3J19A	2160	44		015L,16H,17H, 18H,19H,110H, 111H,112H,113H
3J21E	3J19E	2060	44		17L,013H,15L* 16L*17L
3J17B	3J16B	2060	47		014H,16L*19L* 110L
3J05F	3J05E	2040	17		110L

ITEM 172					
77	041220	015047	015047		
3J20E	3J18E	2070	45		16L,012H

ITEM 172					
77	041221	000000	000010		
7J11F	7J10F	2000	104		15H,16H

ITEM 172					
77	041221	000000	004000		
7J10F	7J08F	2000	104		15H,16H

ITEM 172					
77	041226	000000	000000		
4J176	4J14A	2000	88		16L,111L,115H, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
4J186	4J14A	2000	88		16L,111L,115H, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
4J16D	4J15D	2013	18		17H,18H,19H, 010H*011H*012H
4J14G	4J14A	2000	86		115L,17H,18H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
4J15E	4J19C	2000	86		013H*C14L,013H 115L,17H,18H,
4J15F	4J19C	2000	86		013H*C14L,013H 115L,17H,18H,
4J15G	4J14A	2000	86		013H*014L,013H 115L,17H,18H,
4J16F	4J19C	2000	86		013H*014L,013H 115L,17H,18H,
4J16G	4J14A	2000	86		013H*014L,013H 115L,17H,18H,
4J20B	4J12B	2050	96		013H*014L,013H 15L,18L,111L, 114L
4J26B	4J25B	2050	96		15L,18L,111L, 114L
4J26D	4J25D	2050	95		15L,18L,111L, 114L
3J06A	3J11A	2060	19,38		015L,111H,112H
3J04D	3J13D	2070	20,07,18		19L,014H
3J04F	3J07F	2920	18		17L,015H,15L* 16L*17L,18L*19L* 110L
3J03G	3J06G	2040	18		015L,111H,112H
4J14C	4J16C	2000	85		17H,18H
4J14E	4J19C	2000	86		17H,18H
4J14F	4J19C	2000	86		17H,18H
4J15B	4J14B	2000	85		17H,18H
4J15C	4J16C	2000	85		17H,18H
4J16B	4J17B	2000	85		17H,18H
4J16E	4J19C	2000	86		17H,18H
4J21B	4J22B	2050	96		111L,114L
3J20A	3J22B	2080	44,45		09H,110L*111L* 112L*113L*114L* 115L
4J08F	4J07F	2040	82		17H,18H
4J08G	4J07G	2040	82		17H,18H
4J09F	4J10F	2040	82		17H,18H
4J10G	4J09G	2040	82		17H,18H
4J17C	4J16C	2000	87		16L
4J17E	4J19C	2000	88		16L
4J17F	4J14A	2000	88		16L
4J18B	4J17B	2000	87		16L
4J18C	4J19C	2000	87		16L
4J18E	4J19C	2000	88		16L
4J18F	4J14A	2000	88		16L
4J19B	4J17B	2000	87		16L
4J19E	4J19C	2000	88		16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
4J19F	4J14A	2000	88	I6L	
4J19G	4J14A	2000	88	I6L	
3J05B	3J22B	2080	19	I11L	

ITEM 172					
77	041226	157157	132305		
3J23B	3J21B	2060	41	I5L	

ITEM 172					
77	041232	000000	424242		
3J25F	3J23F	2013	16	I5H, I6H, 013H*	014H*015H

ITEM 172					
77	041236	000000	070707		
3J20E	3J18E	2070	45	I9L, 014H	

ITEM 172					
77	041236	000000	707070		
3J19C	3J18C	2060	45	015L, I11H, I12H	
3J05A	3J04A	2040	19	I13H, I14H	
3J06A	3J11A	2060	19, 38	I12L	

ITEM 172					
77	041237	000000	000000		
4J14E	4J15E	2000	86	I15L, 013H*014L,	
				013H	
3J20G	3J16G	2070	8, 45	I5L, 011H	

ITEM 172					
77	041237	000000	707070		
3J12G	3J10G	2050	29	I11L, I14L	

ITEM 172					
77	041246	000000	000000		
3J20D	3J19D	2013	45	I8L	
3J21D	3J17D	2060	44	I8L	
3J19B	3J18B	2050	47, 46	I5L	

ITEM 172					
77	041246	000000	041241		
4J07G	4J06G	2040	108	I13H, I14H	

ITEM 172					
77	041246	000000	041244		
4J05G	4J06G	2040	108	I13H, I14H	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
77	041246	000000	041260		
4J06F	4J05F	2040	108		I13H, I14H

ITEM 172					
77	041246	000000	041640		
7J08E	7J07E	2000	112		I9L

ITEM 172					
77	041353	000000	777777		
3J04C	3J02C	2060	20		013H

ITEM 172					
77	041353	777740	777740		
4J05F	4J06F	2040	108		I13H, I14H

ITEM 172					
77	041361	000000	000000		
4J28C	4J02C	2900	97		I12H, 06H*08L, 06H
4J29C	4J30C	2900	97		I12H, 06H*08L, 06H

ITEM 172					
77	041361	050505	000001		
3J18A	3J16A	2060	47		I6L

ITEM 172					
77	041423	424242	000000		
3J12E	3J24E	2900	29		013L*015H, I7L* I5L*I14L, I10L* I12L*I19L, 015H I13L
3J11E	3J08E	2920	29		

ITEM 172					
77	041532	070707	000002		
3J11F	3J10F	2050	29		I13L

ITEM 172					
77	041532	070707	000006		
3J11F	3J10F	2050	29		I12L
4J35B	4J35C	2220	29		015L

ITEM 172					
77	041550	070707	424242		
3J04E	3J02E	2060	20		014L, I8H, I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
3J17A	3J14A	2070	47,48		16L,012H
4J31D	4J04C	2060	20,21		15L
3J03D	3J06D	2920	20		16L

ITEM 172					
77	041555	070707	777775		
3J18F	3J13F	2060	47		16L

ITEM 172					
77	041572	070707	353535		
3J14B	3J15B	2930	10,11		112L

ITEM 172					
77	041620	070707	426642		
4J16D	4J15D	2013	18		19L

ITEM 172					
77	042143	000000	000002		
3J07B	3J06B	2060	23,19		111L
7J06E	7J07E	2000	112		16L
7J06F	7J08F	2000	111		16L
7J07F	7J08F	2000	111		16L
7J08E	7J07E	2000	112		16L
7J08G	7J07G	2000	111		16L
8J06C	8J03C	2050	80		112L
7J02C	7J18C	2030	23,30		19L
3J07C	3J05C	2920	24		110L

ITEM 172					
77	042155	000000	430001		
3J27C	3J26C	2060	14		015L,I11H,I12H

ITEM 172					
77	042155	000000	777777		
3J17G	3J15G	2060	47		015H,I11L*I12L
3J05E	3J09D	2040	17		15H,I6H

ITEM 172					
77	042167	000000	000001		
3J19G	3J18G	2060	46		17L

ITEM 152					
94	040710	000000	000000		
7J08G	7J07G	2000	111		18L
4J05G	4J06G	2040	108		015L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
94	001246	010221	001240	C00000	
2J23D	2J24D	2090	61		I5H

ITEM 168					
94	011453	400000	504700	307712	
8J10A	8J04A	2040	106		I5L
8J10B	8J10C	2040	106		I14L

ITEM 168					
94	011464	400000	000000	307712	
8J34C	8J33C	3780	129		I10L
8J10B	8J10A	2040	106		I10L, I11L

ITEM 172					
94	040777	000000	777775		
4J09G	4J08G	2040	82		I7L

ITEM 172					
94	041220	000000	000001		
4J30G	4J29G	2900	99		I12L

ITEM 172					
94	041220	000000	000004		
4J29G	4J28G	2900	99		I12L

ITEM 172					
94	041220	000000	000010		
4J29G	4J28G	2900	99		I9L
3J17C	3J09C	2060	48		I7L

ITEM 172					
94	041220	000000	000020		
4J28G	4J02G	2900	99		I12L

ITEM 172					
94	041220	000000	000040		
4J28G	4J02G	2900	99		I9L

ITEM 172					
94	041220	000000	000077		
4J20F	4J11F	2920	94		I12L

ITEM 172					
94	041220	000000	000100		
4J30F	4J29F	2900	99		I12L

ITEM 172					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
94	041220	000000	000200		
4J30F	4J29F	2900	99		I9L

ITEM 172					
94	041220	000000	000400		
4J29F	4J28F	2900	100,99		I12L

ITEM 172					
94	041220	000000	007700		
4J20C	4J22C	2920	95		I8L, I12L

ITEM 172					
94	041220	000000	044475		
3J25E	3J23E	2013	16		I7H, I8H, I9H, 010H*011H*012H
3J25D	3J22D	2013	16		I5H, I6H, 013H* 014H*015H
3J21B	3J17B	2060	44		I11L, 015H, I11L* I12L
3J02G	3J10G	2050	18		010L, I11H, I12H

ITEM 172					
94	041220	000000	124475		
3J08C	3J22B	2080	22		09L, 05H, I10H, I11H, I12H, I13H, I14H, I15H, I16L* I7L*I8L
3J26D	3J23D	2060	16		I9L

ITEM 172					
94	041220	000000	373365		
3J21D	3J17D	2060	44		I9L

ITEM 172					
94	041220	000000	770000		
4J20A	4J13A	2920	96		I12L

ITEM 172					
94	041220	000000	777777		
3J18D	3J16D	2070	47		012L, I6H
3J17D	3J08D	2060	47		013H, I5L*I6L* I7L
3J18C	3J17C	2060	47		013H, I5L*I6L* I7L

ITEM 172					
94	041226	000000	005640		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
3J28G 3J03D	3J21G 3J06D	2060 2920	12,48 20		015L, I11H, I12H I10L

ITEM 172					
94	041226	000000	707070		
3J19A	3J21A	2160	44		015L, I6H, I7H, I8H, I9H, I10H, I11H, I12H, I13H
3J21E	3J19E	2060	44		I8L, I14H, I8L* I9L* I10L
3J03D	3J06D	2920	20		I5L

ITEM 172					
94	041233	000000	424242		
3J12D	3J24D	2900	29		I9L, I11L, I13L* 015H, I7L* I5L* I14L, I10L* I12L*
3J13F	3J06F	2060	29,28		I9L, I15H 013L, I5H, I6H, I7H

ITEM 172					
94	041236	000000	070707		
3J22G	3J25G	2013	42		I6L

ITEM 172					
94	041236	000000	077777		
7J10G	7J08G	2000	104		I5H, I6H

ITEM 172					
94	041236	000000	707070		
3J07B	3J06B	2060	23,19		015H, I11L* I12L

ITEM 172					
94	041237	000000	000000		
3J22B	3J05B	2080	41		09L, I10H, I11H, I12H, I13H, I14H, I15H
3J23B	3J21B	2060	41		I12L
7J02A	7J12B	2160	22		I6L

ITEM 172					
94	041246	000000	000000		
3J22C	3J25C	2013	41,42		I5L

ITEM 172					
94	041246	000000	041242		

NAVSEA OP 3514 (PKS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LCC	SWAP	TYPE	PLATE		
3J23A	3J03E	2030	41		010L,15H,16H, 17H,18H,19H

ITEM 172					
94	041361	000000	000000		
4J28D	4J19D	2013	20		17H,18H,19H, 010H*011H*012H
4J29D	4J30D	2013	20		17H,18H,19H, 010H*011H*012H
4J31D	4J04C	2060	20,21		18L,19L,014H, 18L*19L*110L
3J03F	3J16F	2030	20		011L,112H,113H, 114H,115H
3J04E	3J02E	2060	20		112L,015H,111L* 112L
3J21C	3J20C	2060	44		111L,015H,111L* 112L
4J13D	4J12D	2070	20,101		16L,012H
8J06G	8J02G	2070	81		012L,16H
3J22C	3J25C	2013	41,42		16L
3J03B	3J04B	2920	20		015L,18H,19H, 110H
3J04C	3J02C	2060	20		015H,111L*112L
3J19C	3J18C	2060	45		17L
3J21D	3J17D	2060	44		16L
8J04G	7J16G	2080	40,107		110L

ITEM 172					
94	041417	424242	003535		
3J22B	3J05B	2080	41		16L

ITEM 172					
94	042143	000000	000002		
8J16C	8J24B	2013	24,25		15H,16H,013H* 014H*015H
3J17F	3J16F	2030	47,48		011L,011H,112H, 113H,114H,115H, 112L*113L*114L
8J15G	8J14G	2050	24,120		111L,113L,010H, 111L*112L,113L* 114L*115L
3J31D	3J02D	2050	29,03		17L,09H,15L*16L, 17L*18L
3J06D	3J03D	2920	24		113L,015L,111H, 112H,113H,114H
3J05D	3J08D	2060	38		015H,111L*112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-37. SECONDARY ISOLATION TABLE FOR TABLE 2-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
3J19G	3J18G	2060	46		013H, 15L*16L* 17L
3J07C	3J05C	2920	24		16L, 112L
8J19A	8J18A	2000	115		16L

ITEM 172					
94	042155	000000	000000		
3J06D	3J03D	2920	24		18H, 19H, 110H

ITEM 172					
94	042155	000000	430001		
3J12A	3J14A	2070	03,07,09,53		011L, 15H
3J09A	3J07A	2920	23		17L, 112L

ITEM 152					
99	040710	000000	000000		
7J20D	7J19D	2013	37		17H, 18H, 19H
8J05A	8J30A	2070	79		013L, 17H
7J19A	7J18B	2030	37		011H, 112L*113L* 114L
7J20B	7J21B	2020	37		16L

ITEM 155					
99	041306	000000	000000		
7J23C	7J16C	2070	37,49		012L, 16H
8J05A	8J30A	2070	79		014L, 19H
7J21C	7J20C	2000	37		16L

ITEM 168					
99	010135	000001	000001	000001	
2J18C	2J21C	2060	59A		15L, 013H, 15L* 16L*17L

ITEM 168					
99	010135	001403	001403	001403	
7J15G	7J30F	2060	51		013L, 15H, 16H, 17H

ITEM 168					
99	010266	000000	177777	017101	
7J16F	7J15F	2060	28,49		17L

ITEM 168					
99	010473	040000	5001X7	000000	
7J14A	7J12A	2900	50		19L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
99	010475	000200	5001X7	000000	
7J12A	7J14A	2900	50		I12L

ITEM 168					
99	010475	004000	5001X7	000000	
7J14F	7J12F	2000	51		I8L

ITEM 168					
99	010475	020000	5001X7	000000	
7J14G	7J12G	2000	51		I8L

ITEM 168					
99	045246	000000	000016	000000	
7J23C	7J16C	2070	37,49		013L,I7H

ITEM 172					
99	041273	434377	777743		
8J05A	8J30A	2070	79		012L,I6H
7J21B	7J20B	2020	37		I6L

ITEM 172					
99	041273	707070	777777		
7J23C	7J16C	2070	37,49		014L,I9H

ITEM 172					
99	041300	000000	000000		
7J23C	7J16C	2070	37,49		011L,I5H
8J05A	8J30A	2070	79		015L,I10H
7J20C	7J14C	2000	37		I6L

ITEM 172					
99	041300	777777	777777		
3J25D	3J22D	2013	16		I6L

ITEM 168					
100	001246	000000	001240	000000	
3J21B	3J17B	2060	44		014L,I8H,I9H, I10H

ITEM 168					
100	001246	110000	001240	000000	
8J15B	8J14B	2000	114		I6L

ITEM 168					
100	010266	000000	000000	000000	
7J09D	7J16D	2060	28,51,53		015L,I11H,I12H
7J14C	7J12C	2000	51		I8L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
100	010266	000000	000000	000001	
2J33E	2J33D	2020	61		I7L, I13H, I14H, I15H, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H

ITEM 168					
100	010266	000000	000000	000125	
2J32C	2J27C	2013	60,69A		I5H, I6H, 013H* 014H*015H
2J11A	2J14A	2070	56,57,60,66,69A		I6L, 011L, I5H, 012H
2J26A	2J21A	2060	60,64		I11L, 015H, I11L* I12L

ITEM 168					
100	042143	000000	000002	000000	
8J15B	8J14B	2000	114		I9L

ITEM 168					
100	043061	000000	000200	000000	
8J06C	8J03C	2050	80		I5H, I6H

ITEM 168					
100	045004	024416	503377	000137	
8J15B	8J14B	2000	114		I15H, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H

ITEM 172					
100	042132	000000	000000		
4J32B	4J30B	2900	102		I14L

ITEM 172					
100	042143	000000	000002		
8J15G	8J14G	2050	24,120		010L, I11H, I12H
8J16C	8J24B	2013	24,25		I6L
3J06D	3J03D	2920	24		015H, I11L*I12L* I13L, I5L*I6L* I7L, I8L*I9L* I10L
3J02C	3J04C	2060	30,15,21		014H, I8L*I9L* I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
100	042302	077777	505640		
4J34B	4J33B	2900	102		15L

ITEM 152					
102	041206	000000	000000		
7J06E	7J07E	2000	112		115L,013H*014L, 013H
8J17C	8J15C	2000	116		15H,16H

ITEM 168					
102	001246	000001	001240	000000	
3J16C	3J33C	2050	48,53		112L

ITEM 168					
102	001246	100000	001240	000000	
3J16C	3J33C	2050	48,53		114L

ITEM 168					
102	001246	777700	001240	000000	
3J07C	3J05C	2920	24		111H,112H,113H, 114H
3J03G	3J06G	2040	18		110L

ITEM 168					
102	010266	000000	000377	000377	
7J26D	7J25D	2013	07,14		17L,010L*011L* 012L

ITEM 168					
102	011220	777700	000000	000000	
7J02B	7J15B	2060	22,23,49		112L

ITEM 168					
102	011654	400000	017102	000000	
7J15C	7J09C	2013	49		17H,18H,19H, 010H*011H*012H
7J17C	7J26C	2900	52		15H,06H*08L,06H
7J16D	7J09D	2060	49		18L,19L,014H, 18L*19L*110L

ITEM 168					
102	013142	000400	505640	000000	
7J09E	7J31D	2013	14		19L,17H,18H,19H, 010L*011L*012L, 010H*011H*012H
7J17A	7J14A	2900	52		114L,013L*015H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
					015H

ITEM 168					
102	013142	000400	505640	017102	
	7J17D	7J16D	2060	52	I6L

ITEM 168					
102	042143	000000	000002	000000	
	8J28D	8J24D	3670	124	I11L, I10H, I11H, I12H, I13H, I14H, I15H
	8J27D	8J24D	3670	124	I10L, I13L

ITEM 168					
102	043061	177400	200000	000000	
	7J08E	7J07E	2000	112	I5H, I6H

ITEM 168					
102	043061	177700	200000	000000	
	7J06E	7J07E	2000	112	I5H, I6H

ITEM 168					
102	045246	000002	000001	000000	
	7J06G	7J07G	2000	111	I6L

ITEM 172					
102	041220	000000	404412		
	3J24B	3J23B	2060	41, 15	I6L

ITEM 172					
102	041220	000000	557735		
	4J23F	4J22F	2920	94	I5L

ITEM 172					
102	041221	000000	010000		
	4J10E	4J09E	2040	84	I9H, I10H

ITEM 172					
102	041221	000000	020000		
	4J09B	4J08B	2040	84	I9H, I10H

ITEM 172					
102	041221	000000	040000		
	4J08B	4J07B	2040	84	I9H, I10H

ITEM 172					
102	041221	000000	100000		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
4J10A	4J09A	2040	84		I9H, I10H

ITEM 172					
102	041221	000000	777777		
7J11G	7J10G	2000	104		I7L

ITEM 172					
102	041236	000000	077777		
3J25D	3J22D	2013	16		010L*011L*012L

ITEM 172					
102	041236	000000	707070		
4J18D	4J17D	2013	19		I5H, I6H, 013H*
					014H*015H
3J05B	3J22B	2080	19		05H, I6L*I7L*I8L

ITEM 172					
102	041246	000000	041242		
7J07G	7J06G	2000	111		I9L

ITEM 172					
102	041246	000000	045640		
7J08D	7J07D	2013	23		I6L

ITEM 172					
102	041300	000000	777765		
3J16E	3J10E	2060	48		015L, I11H, I12H

ITEM 172					
102	041353	776000	776000		
7J07C	7J06C	2000	112		I9L

ITEM 172					
102	041353	777740	777740		
7J08F	7J07F	2000	111		I9L

ITEM 172					
102	041353	777740	777775		
7J07D	7J06D	2013	23		I8L

ITEM 172					
102	041353	777777	777777		
7J06G	7J07G	2000	111		I9L

ITEM 172					
102	041532	070707	000040		
3J22F	3J08F	2070	41		015L, I10H

NAVSEA OP 3514. (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
102	041620	703434	347070		
3J21G	3J19G	2060	45		I6L

ITEM 172					
102	041637	00000G	000000		
4J18D	4J17D	2013	19		I7H, I8H, 19H, 010H*011H*012H I11L, I11L*I12L
3J06E	3J04E	2060	24, 19		

ITEM 172					
102	041637	050505	050505		
3J05B	3J22B	2080	19		I8L

ITEM 172					
102	041637	424042	424042		
4J18C	4J17C	2000	87		I11H, I12H

ITEM 172					
102	041637	424202	424202		
4J17B	4J16B	2000	87		I11H, I12H

ITEM 172					
102	041645	353535	353735		
7J07E	7J06E	2000	112		I9L

ITEM 172					
102	042143	000000	000002		
8J24C	8J23C	3621	123		I5L, I9H, I10H, I11H, I5L*I6L* I7L, I9H*I10H* I11H
7J07D	7J06D	2013	23		I5H, I6H, 013H* 014H*015H
8J23D	8J24D	3670	124		I10L*I11L*I12L, I13L*I14L*I15L
7J02B	7J15B	2060	22, 23, 49		015H, I11L*I12L
8J27D	8J24D	3670	124		I13L*I14L*I15L
3J27C	3J26C	2060	14		I11L
7J06A	7J07A	2000	113		I6L
7J06B	7J10B	2000	113		I6L
7J06C	7J10C	2000	112		I6L
7J07B	7J10B	2000	113		I6L
7J07C	7J10C	2000	112		I6L
7J07E	7J06E	2000	112		I6L

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
7J07C	7J06G	2000	111		16L
7J08B	7J10E	2000	113		16L
7J08C	7J10C	2000	112		16L
7J08F	7J07F	2000	111		16L

ITEM 172					
102	042155	000000	000000		
3J08B	3J07B	2060	23,47,19		014L,I&H,I9H, 110H
3J02D	3J31D	2050	16,25		111L,I15L

ITEM 168					
105	010363	000125	000000	017101	
2J12D	2J02D	2070	57,58,65A		013L,I7H

ITEM 168					
105	010363	000377	000000	017101	
7J19B	7J16B	2060	53		15L,013H,15L* 16L*I7L
7J09C	7J15C	2013	14		013L*014L*015L

ITEM 168					
105	012200	000000	040000	607707	
2J02A	2J07A	2060	58,65A		19L

ITEM 168					
105	012247	000001	000001	607707	
2J07A	2J02A	2060	65A		17L,013H,15L* 16L*I7L
2J08A	2J06A	2900	65A		06H*08L,06H

ITEM 168					
105	014771	003001	000204	017101	
7J09C	7J15C	2013	14		15L,I7L,010L* 011L*012L

ITEM 168					
106	001246	017101	001240	010764	
3J30E	3J28E	2900	13		110L

ITEM 168					
106	001246	5011X7	001240	000000	
3J07E	3J08E	2920	24		15H,16H,17H

ITEM 168					
106	043061	000000	020000	000000	
8J30A	8J05A	2070	122		15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
106	043523	721121	000006	000000	
8J15A	8J14A	2000	114		I15H, C13L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, C14H

ITEM 172					
106	041221	000000	000706		
7J10F	7J08F	2000	104		I5L

ITEM 172					
106	041300	000000	777765		
3J16F	3J03F	2030	48		011H, I12L*I13L* I14L

ITEM 172					
106	042143	000000	000002		
8J19F	8J18F	2000	117		I9L

ITEM 168					
111	001246	000177	001240	607707	
2J11A	2J14A	2070	56,57,60,66,69A		014L

ITEM 168					
111	012200	000000	040000	607707	
2J02A	2J07A	2060	58,65A		I12L

ITEM 168					
111	012247	000001	000001	607707	
2J05A	1J05A	2080	65A		09L, I10H, I11H, I12H, I13H, I14H, I15H
1J08A	1J06A	2900	65		06L*08H, 08H
2J07A	2J02A	2060	65A		I6L

ITEM 168					
111	012247	000003	000003	607707	
2J08A	2J06A	2900	65A		013L*C15H, 015H

ITEM 168					
111	012247	000007	000007	607707	
1J08A	1J06A	2900	65		013L*015H, I7L* I5L*I14L, I10L* I12L*I19L, 015H
2J10A	2J09A	2060	65,65A		013L, I5H, I6H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
2J14A	2J11A	2070	65A,66,69		I7H I5L,011H

ITEM 168					
111	012247	000177	000000	607707	
2J09A	2J07A	2060	65A,66,69A		I9L,014H,I8L* I9L*I10L
2J11A	2J14A	2070	56,57,60,66,69A		I9H
2J08B	2J09B	2900	66		06H*08L
2J07B	2J06B	2060	66		I5L

ITEM 168					
111	013374	000160	110060	000000	
1J31A	1J22A	2030	65		011L,I12H,I13H, I14H,I15H
2J31A	2J22A	2030	65A		I12H,I13H,I14H, I15H
1J08A	1J06A	2900	65		I9L
2J08A	2J06A	2900	65A		I9L

ITEM 168					
115	045004	024416	503377	000137	
8J15C	8J17C	2000	114		I15L,013H*014L, 013H

ITEM 168					
115	045246	000000	000020	000000	
8J07B	8J04B	2050	79		I11H,I12H

ITEM 168					
115	045246	177760	200000	000000	
7J07F	7J06F	2000	111		I5H,I6H

ITEM 172					
115	041201	000000	000010		
4J24F	4J21F	2070	94		012L,I6H
4J26G	4J27G	2050	94		I13H,I14H,I15H
4J15B	4J14B	2000	85		I5H,I6H
4J25G	4J24G	2050	94		I5L,I8L
8J07B	8J04B	2050	79		010L
4J09F	4J08F	2040	82		I10L

ITEM 168					
128	001246	177777	001240	000000	
3J19E	3J16E	2060	45		I10L,013L,I5H, I6H,I7H
3J20B	3J27B	2070	46,45,44		I9L,014H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
128	001246	177777	001240	177777	
3J12C	3J06C	2070	47,11,30		014L,19H
3J20B	3J27B	2070	46,45,44		012L,16H
3J19E	3J16E	2060	45		014H,18L*19L*
					110L
3J20C	3J19C	2060	45		112L
3J09D	3J05A	2040	30		112L

ITEM 168					
128	010135	000001	000000	000000	
2J15D	2J15C	2920	61		15L

ITEM 168					
128	010135	000001	000001	000001	
2J15D	2J15C	2920	61		015H,111L*112L*
					113L,15L*16L*
					17L,18L*19L*
					110L
2J13B	2J30E	2040	60		111H,112H

ITEM 168					
128	010135	000125	000125	000125	
2J13B	2J30E	2040	60		015L
7J18A	7J33C	2040	30		112L

ITEM 168					
128	010135	177777	177777	177777	
7J18A	7J33C	2040	30		015H,15L*16L,
					17L*18L,19L*
					110L,111L*112L,
					113L*114L

ITEM 172					
128	041233	000000	424242		
3J05A	3J04A	2040	19		18L,114L,015H,
					15L*16L,17L*18L,
					19L*110L,111L*
					112L,113L*114L
3J05B	3J22B	2080	19		05L,16H,17H,18H
4J18D	4J17D	2013	19		15L

ITEM 172					
128	041620	070707	006100		
3J24F	3J28F	2900	40		112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
128	041630	070707	777777		
3J24A	3J22A	2013	15		18L

ITEM 168					
130	001246	000167	001240	000000	
3J09C	3J04C	2060	53,30		013H,15L*16L* 17L

ITEM 168					
130	010363	000125	000000	017101	
2J04B	2J03B	2020	69A		16L

ITEM 168					
130	013374	000167	114463	000000	
7J02F	7J04F	2060	53		015L,111H,112H
7J280	7J22B	2070	07,30,53		15L,011H
7J03F	7J04F	2060	26,35		014H,18L*19L* 110L

ITEM 168					
130	014307	160400	160400	000000	
7J03G	7J09G	2070	26,35,53		015L,110H
7J03F	7J02F	2060	26,35		19L

ITEM 152					
131	000374	000000	707777		
8J08C	8J09C	2900	119		111L

ITEM 152					
131	041106	000000	000000		
8J18A	8J17A	2000	115		15H,16H

ITEM 152					
131	041231	000000	600001		
7J076	7J06G	2000	111		115L,013H*014L, 013H

ITEM 168					
131	001246	000167	001240	000000	
3J12C	3J06C	2070	47,11,30		015L,110H

ITEM 168					
131	001246	010221	001240	000000	
2J23D	2J24D	2090	61		010L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
131	010135	000001	000000	000000	
2J17D	2J16D	2930	61,62		I7H

ITEM 168					
131	010135	000021	000000	000000	
2J17C	2J16C	2050	56,57		I5L,I7L,09H,I5L*
2J12F	2J16F	2070	56,57		I6L,I7L*I8L
7J02F	7J03F	2060	53		014L,19H
					014H,I8L*I9L*
					I10L

ITEM 168					
131	010266	000000	000000	100001	
7J18B	7J19A	2030	53		011H,I12L*I13L*
					I14L

ITEM 168					
131	011453	400000	504700	307712	
8J10A	8J04A	2040	106		I7L,I10L

ITEM 168					
131	011464	400000	000000	307712	
7J03A	7J21A	2020	106		I13H,I14H,I15H
8J10B	8J10A	2040	106		I6L,I7L
8J10D	8J10C	2040	106		I10L,I11L

ITEM 168					
131	011524	000016	011437	140000	
8J10C	8J10B	2040	106		I8L,I9L

ITEM 168					
131	012200	000000	040000	060711	
7J15G	7J30F	2060	51		I9L

ITEM 168					
131	013374	000167	114463	000000	
7J19C	7J22C	2060	53		I8L,I9L,I10L,
					013L,15H,I6H,
					I7H

ITEM 168					
131	014307	100400	100400	000000	
7J18B	7J19A	2030	53		010L,I14L,I5H,
7J02F	7J03F	2060	53		I6H,I7H,I8H,I9H
					I8L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
131	042143	000000	000002	000000	
8J28D	8J27D	3670	124		I14L

ITEM 168					
131	042651	000000	070707	000000	
7J28C	7J12B	2160	28		I9L, I10L

ITEM 168					
131	042651	000007	070700	000000	
7J21E	7J22E	2020	36		I5L, I6L
7J05E	7J22E	2020	28		I7L

ITEM 168					
131	043061	000000	010000	000000	
8J06F	8J04F	2050	81		I11H, I12H

ITEM 168					
131	044374	764362	040000	000000	
7J19D	7J18D	2013	06		I7H, I8H, I9H, 010H*011H*012H
7J05E	7J21E	2020	28		I6L, I9L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
7J16F	7J15F	2060	28, 49		014L, I8H, I9H, I10H
7J05C	7J04C	2020	28		I15L, I5H, I6H, I7H
7J16G	7J33B	2080	28, 49		05L, I6H, I7H, I8H
3J21G	3J19G	2060	45		I12L, 015H, I11L* I12L
7J28C	7J12B	2160	28		015H, I6L*I7L* I8L*I9L*I10L* I11L*I12L*I13L

ITEM 168					
131	045246	000000	002000	000000	
8J07E	8J04E	2050	80		I11H, I12H

ITEM 168					
131	045246	400000	377777	000000	
8J25D	8J26D	3680	124		I10L*I11L*I14L

ITEM 172					
131	041003	000000	000000		
4J16A	4J15A	2000	85		I5H, I6H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
4J20G	4J13G	2050	94		I7H,I8H
4J10G	4J09G	2040	82		I10L

ITEM 172					
131	041221	000000	000002		
7J10D	7J08D	2013	22		I7H,I8H,I9H, 010H*011H*012H
7J03C	7J16C	2070	22,23		I7L,013H

ITEM 172					
131	041221	000000	346474		
7J11C	7J10C	2000	105		I6L

ITEM 172					
131	041221	000000	370001		
7J10B	7J08B	2000	105		I6L

ITEM 172					
131	041221	000000	614520		
7J11B	7J10B	2000	105		I6L

ITEM 172					
131	041221	000000	654321		
7J11E	7J10E	2000	104		I6L

ITEM 172					
131	041221	000000	777777		
7J11A	7J10A	2000	105		I6L

ITEM 172					
131	041233	000000	000000		
3J17D	3J08D	2060	47		014H,I8L*I9L* I10L

ITEM 172					
131	041236	000000	000004		
7J11G	7J10G	2000	104		I5H,I6H

ITEM 172					
131	041236	000000	077777		
3J25D	3J22D	2013	16		I9L

ITEM 172					
131	041236	000000	777777		
3J20F	3J19F	2060	27,45		015L,I11H,I12H

ITEM 172					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
131	041237	000000	000000		
3J25G	3J22G	2013	16		17H,18H,19H, 010H*011H*012H
4J29D	4J28D	2013	20		15H,16H,013H* 014H*015H
3J28D	3J24D	2900	12		112H,06H*08L, 06H
3J30C	3J28C	2900	13		112H,06H*08L, 06H
3JG4E	3J02E	2060	20		17L,013H,15L* 16L*17L
3J26E	3J21E	2060	15,16		111L,015H,111L* 112L
3J12C	3J06C	2070	47,11,30		15L,011H
3J18D	3J16D	2070	47		011L,15H
3J20E	3J18E	2070	45		015L,110H
3J23G	3J20G	2070	14,41,44,46		013L,17H
3J27F	3J22F	2070	12		110L,015H
3J27G	3J12G	2050	12		010L,111H,112H
3J03D	3J06D	2920	20		015L,15H,16H, 17H
3J05G	3J15G	2060	17,18		17L,18L
3J23B	3J21B	2060	41		015H,111L*112L
3J19A	3J21A	2160	44		015H,16L*17L* 18L*19L*110L* 111L*112L*113L
3J28G	3J21G	2060	12,48		16L
7J10C	7J08C	2000	105		16L
7J10E	7J08E	2000	104		16L
3J05F	3J05E	2040	17		112L
3J06G	3J03G	2040	17		112L
3J07G	3J13G	2920	36		17L

ITEM 172

131	041237	000000	707070		
8J06E	8J25B	2070	80,81		17L,013H
3J24G	3J28F	2900	40		114H
8J06F	8J04F	2050	81		010L

ITEM 172

131	041246	000000	041240		
7J12F	7J11F	2000	104		16L

ITEM 172

131	041247	000000	000000		
7J12G	7J11G	2000	104		16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
131	041252	000000	041240		
3J23G	3J20G	2070	14,41,44,46		014L,19H
3J23B	3J21B	2060	41		111L

ITEM 172					
131	041353	740000	740000		
7J08B	7J07B	2000	113		19L

ITEM 172					
131	041417	762120	003445		
7J10F	7J08F	2000	104		16L

ITEM 172					
131	041417	777707	004443		
7J11F	7J10F	2000	104		16L

ITEM 172					
131	041423	424242	775777		
8J07E	8J04E	2050	60		010L

ITEM 172					
131	041550	070707	353535		
3J18C	3J17C	2060	47		013L,15H,16H, 17H
3J19A	3J21A	2160	44		19L

ITEM 172					
131	041550	343435	656564		
8J04G	7J16G	2080	40,107		115L

ITEM 172					
131	041620	070707	353535		
8J06E	8J25B	2070	80,81		110L,015H
3J24E	3J12E	2900	40		19H

ITEM 172					
131	041645	000000	000000		
7J12E	7J11E	2000	105		16L

ITEM 172					
131	042143	000000	000002		
8J26D	8J27B	3640	122		19L,014H
8J25B	8J12B	2070	122,107		012L,16H
8J28B	8J22C	3621	122		16L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
131	042235	000002	100000		
7J07G	7J06G	2000	111		15H,16H

ITEM 172					
131	045246	000000	000000		
7J12C	7J11C	2000	105		16L

ITEM 168					
134	001246	400000	001240	000000	
3J03C	3J06C	2070	07,11,21,18		014L,19H

ITEM 168					
134	011361	400000	5057X7	000000	
7J19B	7J16B	2060	53		013L,15H,16H, 17H

ITEM 168					
134	011453	400000	504700	017104	
2J13D	2J08D	2020	68		15L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H

ITEM 168					
134	011464	400000	000000	307712	
7J19C	7J22C	2060	53		111L

ITEM 168					
134	011524	000016	011437	000000	
2J13D	2J08D	2020	68		19L

ITEM 172					
171	041246	000000	341240		
7J08D	7J07D	2013	23		17L

ITEM 172					
171	041532	070707	000400		
3J17C	3J09C	2060	48		18L

ITEM 172					
171	041637	404242	404242		
4J18F	4J17F	2000	88		111H,112H

ITEM 172					
171	041637	420242	420242		
4J17E	4J16E	2000	88		111H,112H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
171	041637	777777	777777		
	3J18E	3J20E	2070	48,46	015L,110H
	3J02G	3J10G	2050	18	I14L

ITEM 172					
171	041645	313535	313535		
	4J17F	4J16F	2000	88	I11H,I12H

ITEM 172					
171	041645	343535	343535		
	4J19F	4J18F	2000	88	I11H,I12H

ITEM 172					
171	041645	351535	351535		
	4J18E	4J17E	2000	88	I11H,I12H

ITEM 172					
171	041645	352535	352535		
	4J19E	4J18E	2000	88	I11H,I12H

ITEM 172					
174	041153	000000	000000		
	4J22D	4J21D	2050	95	I13H,I14H,I15H
	4J16C	4J15C	2000	85	I6L,I9L
	4J10E	4J09E	2040	83	I9H,I10H

ITEM 172					
174	041220	000000	000400		
	4J22C	4J20C	2920	95	I8L,I13L

ITEM 172					
174	041220	000000	001000		
	4J29F	4J28F	2900	100,99	I9L

ITEM 172					
174	041220	000000	002000		
	4J28F	4J02F	2900	100	I12L

ITEM 172					
174	041220	000000	004000		
	4J28F	4J02F	2900	100	I9L

ITEM 172					
174	041220	000000	010000		
	4J30E	4J29E	2900	100	I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
174	041220	000000	020000		
4J30E	4J29E	2900	100		I9L

ITEM 172					
174	041220	000000	040000		
4J29E	4J28E	2900	100		I12L

ITEM 172					
174	04122C	000000	044475		
3J02E	3J04E	2060	18		I12L
3J08G	3J30F	2030	18,24		I14L

ITEM 172					
174	041220	000000	100000		
4J29E	4J28E	2900	100		I9L

ITEM 172					
174	041220	000000	200000		
4J28E	4J02E	2900	100		I12L

ITEM 172					
174	041220	000000	400000		
4J03D	4J02D	2013	05		013H*014H*015H
4J28E	4J02E	2900	100		I9L

ITEM 172					
174	041220	000000	404412		
3J21F	3J20F	2060	44		I7L,013H,I5L* I6L*I7L

ITEM 172					
174	041220	000000	777777		
4J03D	4J02D	2013	05		I5H,I6H
4J31D	4J04C	2060	20,21		013L,I5H,I6H, I7H
3J03F	3J16F	2030	20		I6L,010H,I5L* I6L*I7L*I8L*I9L
3J25E	3J23E	2013	16		I9L
4J28D	4J19D	2013	20		I6L
3J04E	3J02E	2060	20		014H,I8L*I9L* I10L
3J03G	3J06G	2040	18		I12L
4J27E	4J26E	2920	91		I11L

ITEM 172					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
174	041221	000000	777777		
3J26D	3J23D	2060	16		16L

ITEM 172					
174	041226	000000	000000		
4J35D	4J31C	2030	29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
4J35E	4J31E	2030	29		010L, 011L, I5H, I6H, I7H, I8H, I9H, I12H, I13H, I14H, I15H
4J35C	4J35B	2220	21, 29		I10L, I11L, I12L, I13L, 015H, I10L* I11L* I12L
4J09A	4J08A	2040	84		I7H, I8H

ITEM 172					
174	041226	000000	003177		
4J22D	4J21D	2050	95		16L, I8L

ITEM 172					
174	041236	000000	070707		
3J20A	3J05B	2080	44, 45		09L, I10H, I11H, I12H, I13H, I14H, I15H
3J21D	3J17D	2060	44		015H, I11L* I12L

ITEM 172					
174	041236	000000	707070		
3J05B	3J22B	2080	19		16L, 09L, I10H, I11H, I12H, I13H, I14H, I15H
4J17D	4J16D	2013	19		I6L, 013L* 014L* 015L
3J20E	3J18E	2070	45		011L, I5H
3J06A	3J11A	2060	19, 38		015H, I11L* I12L
3J05A	3J04A	2040	19		015L

ITEM 172					
174	041237	000000	707070		
3J25C	3J22C	2013	43, 15		I5L, 013L* 014L* 015L
3J11F	3J10F	2050	29		I11L, I14L, 010H, I11L* I12L, I13L* I14L* I15L

NAVSEA OP 3514 (PMS/SMS). VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-1G
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
3J12G 4J35B	3J10G 4J35C	2050 2220	29 29		09L, I7H, I8H 014L

ITEM 172					
174	041241	000000	000000		
3J22C	3J25C	2013	41,42		I7H, I8H, I9H, 010H*011H*012H

ITEM 172					
174	041246	000000	241240		
4J06A	4J05A	2040	110		I13H, I14H

ITEM 172					
174	041246	000000	345640		
3J18E 3J19F	3J20E 3J18F	2070 2060	48,46 46		011L, I5H I8L

ITEM 172					
174	041247	000000	000000		
3J16G 3J26C 3J11A	3J14G 3J23C 3J06A	2070 2060 2060	09,35,9,48 22,35 27,30		013L, I7H 015H, I11L*112L I7L

ITEM 172					
174	041406	000000	000000		
4J14C 4J21D 4J23D 4J08E	4J15C 4J20D 4J22D 4J07E	2000 2050 2050 2040	85 95 95 83		I6L, I9L I6L, I7L I5H, I6H I9H, I10H

ITEM 172					
174	041406	424242	424242		
3J17C 3J28G 3J16C 3J03D	3J09C 3J21G 3J33C 3J06D	2060 2060 2050 2920	48 12,48 48,53 20		015L, I11H, I12H I12L, 015H, I11L* I12L I7H, I8H I8H, I9H, I10H

ITEM 172					
174	041412	424242	203777		
4J09A	4J08A	2040	84		I13H, I14H

ITEM 172					
174	041412	424242	403777		
4J08A	4J07A	2040	84		I13H, I14H

ITEM 172					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
174	041412	424242	773777		
3J02E	3J04E	2060	18		18L

ITEM 172					
174	041417	424242	353536		
4J20F	4J11F	2920	94		015L

ITEM 172					
174	041417	424242	353537		
4J21F	4J24F	2070	94		15L,011H
4J22G	4J21G	2050	94		17H,18H

ITEM 172					
174	041532	000001	677777		
3J14G	3J09G	2070	55,35,29		19L,014H
3J12G	3J10G	2050	29		111H,112H

ITEM 172					
174	042143	000000	000002		
4J22G	4J21G	2050	94		17L,111H,112H
3J07A	3J02A	2920	23		015L

ITEM 172					
174	042155	000000	000001		
3J08D	3J05D	2060	22		15L

ITEM 172					
174	042235	000002	100000		
4J26F	4J24F	2070	91,94,100		17L,013H
4J27F	4J25F	2920	91		015L,18H,19H, 110H
4J24G	4J23G	2050	94		15H,16H
4J22F	4J20F	2920	94		111L

ITEM 172					
174	042256	077777	505640		
3J29G	3J26G	2040	12		111H,112H

ITEM 172					
174	044353	000000	000000		
4J17D	4J16D	2013	19		15L

ITEM 168					
186	063144	037777	000003	000000	
6J27B	6J25B	0400	139,142		118H

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
186	063326	110360	737777	000000	
6J24A	6J23A	0651	164		I44L,I47L,I48L
6J24E	6J23E	0651	173		154H

ITEM 172					
186	041241	000000	000000		
3J29F	3J17F	2030	48,12		010L,15H,16H, 17H,18H,19H
3J19B	3J18B	2050	47,46		010L,113H,114H, 115H
3J16G	3J14G	2070	09,35,9,40		110L,015H
3J29G	3J26G	2040	12		19H,110H

ITEM 172					
186	041246	000000	001240		
4J05B	4J06B	2040	110		111L,114L

ITEM 172					
186	041246	000000	041240		
4J08B	4J07B	2040	84		18L

ITEM 168					
213	001246	001246	001240	000017	
3J12F	3J11F	2050	29		15L

ITEM 168					
213	045246	707070	707070	000000	
3J17B	3J16B	2060	47		013H,I5L*16L* 17L

ITEM 168					
213	045246	777000	777000	000000	
3J17B	3J16B	2060	47		15L

ITEM 168					
213	063302	110360	XXXXXX	000000	
6J29C	6J31C	0040	136		111L,116L,118L

ITEM 168					
213	063326	110360	767777	000000	
6J26A	6J25A	0651	163		144L,I48L
6J26E	6J25E	0651	172		154H

ITEM 168					
213	063326	110360	777775	000000	
6J37A	6J36A	0651	157A		144L,I48L
6J37E	6J36E	0651	166A		154H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
213	041003	000000	000000		
6J13C	6J15C	0761	137,175		I31L, I32L, 045L
6J37E	6J36E	0651	166A		I53H
8J03A	8J07A	2050	111		I12L, 010H, I11L*
					I12L, I13L*I14L*
					I15L
7J07G	7J06G	2000	111		I9H, I10H
8J06A	8J07A	2050	79		I7H, I8H

ITEM 172					
213	041237	000000	707070		
7J06B	7J07E	2000	113		I15L, I7H, I8H,
					I9H, I10H, 013H*
					014L, 013H
4J07E	4J06E	2040	110		I5L, I7L, I9L,
					015H, I5L*I6L,
					I7L*I8L, I9L*
					I10L, I11L*I12L,
					I13L*I14L
8J04F	8J03F	2050	113		I5L, 09H, I5L*I6L,
					I7L*I8L
3J22F	3J08F	2070	41		I10L, 015H
8J06F	8J07F	2050	81		I13H, I14H, I15H
3J02A	3J07A	2920	21		I12L
3J11E	3J08E	2920	29		015L

ITEM 172					
213	041246	000000	041244		
4J08G	4J07G	2040	82		I11H, I12H

ITEM 172					
213	041246	000000	041266		
7J07D	7J06D	2013	23		010L*011L*012L

ITEM 172					
213	041246	000000	345666		
6J27C	5J27C	0280	135		I39H, 047L
7J31F	7J26F	2020	134		I5L

ITEM 172					
213	041353	010000	010000		
4J10E	4J09E	2040	84		I8L

ITEM 172					
213	041361	010000	000000		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT
	4J07B		4J06B		2040		110		I11L,I14L

ITEM 172									
213	4J11C	041406	4J21C	424242	2070	777777	83,84		013L,I7H

ITEM 172									
213	3J04C	041605	3J02C	000000	2060	353535	20		I11L

ITEM 172									
213	3J17B	042155	3J16B	000000	2060	000000	47		19L

ITEM 172									
213	4J10F	042263	4J09F	077777	2040	042245	82		I12L

ITEM 152									
217	8J18C	040710	8J17C	000000	2000	000000	116		15H,16H

ITEM 168									
217	3J09A	001246	3J07A	400000	2920	001240	23	000000	I10L

ITEM 168									
217	3J08B	001246	3J07B	777700	2060	001240	23,47,19	000000	I7L

ITEM 168									
217	7J07E	043061	7J06E	177600	2000	200000	112	000000	15H,16H

ITEM 168									
217	6J23A	063045	6J22A	000540	0651	XXXXXX	164	000000	I44H

ITEM 168									
217	6J29B	063144	6J27B	037757	0400	000050	143	000000	I39L,I41L,I42L

ITEM 168									
217	6J31B	063144	6J29B	037777	0400	000050	143,147	000000	I42H

ITEM 168									

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
217	063302	110200	XXXXXX	000000	
6J23A	6J22A	0651	164		I48H, I36L

ITEM 168					
217	063302	110360	XXXXXX	000000	
6J23A	6J22A	0651	164		I40H, I41H, I42H, I52L

ITEM 172					
217	041673	000000	041671		
3J16F	3J03F	2030	48		I7L

ITEM 172					
217	042257	077777	505640		
3J28E	3J24E	2900	12		I10L

ITEM 168					
218	011453	400000	504700	017104	
2J09A	2J07A	2060	65A, 66, 69A		013L, I5H, I6H, I7H
2J11A	2J14A	2070	56, 57, 60, 66, 69A		I10L, 015H
2J33E	2J33D	2020	61		I8H, I9H, I10H

ITEM 168					
218	011464	400000	000000	017104	
2J02B	2J03B	2020	69A		I13L, I15L, I5H, I6H, I7H, 011H*
					012L, I13L* I14L*
					I15L, 011H
2J26B	2J21B	2060	63, 69A		015L, I11H, I12H
2J25D	2J12D	2070	61, 64		I10L, 015H

ITEM 168					
218	011464	400000	000000	307712	
7J03G	7J09G	2070	26, 35, 53		I5L, 011H
8J10C	8J10E	2040	106		I7L, I10L

ITEM 168					
218	011524	000000	011437	140000	
8J10E	8J10C	2040	106		I5L, I8L, I9L, I12L, I13L
8J10D	8J10C	2040	106		I9L, I12L
8J10A	8J04A	2040	106		I6L

ITEM 168					
218	011524	000016	011437	140000	
8J10A	8J04A	2040	106		I8L, I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
224	010266	000000	000000	000001	
2J02B	2J03B	2020	69A		16L,18L,113H, 114H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H

ITEM 168					
224	010266	000000	000000	100001	
7J03G	7J09G	2070	26,35,53		011L,15H

ITEM 168					
224	043240	777777	000044	000000	
6J34B	6J32B	0400	140,142		127H

ITEM 168					
224	043240	777777	000066	000000	
6J28A	6J27A	0651	162		144L,148L
6J28E	6J27E	0651	171		154H

ITEM 168					
224	063302	110020	XXXXXX	000000	
6J24A	6J23A	0651	164		148H

ITEM 168					
224	063302	110120	XXXXXX	000000	
6J32A	6J31A	0651	160		148H

ITEM 168					
224	063302	110360	XXXXXX	000000	
6J25A	6J24A	0651	163		144H

ITEM 172					
224	04122C	000000	777777		
3J17A	3J14A	2070	47,48		012L,16H
3J04E	3J02E	2060	20		19L

ITEM 172					
224	041226	000000	000000		
3J12U	3J24D	2900	29		114H,013H*015L, 013H
3J12F	3J11F	2050	29		09L,17H,18H
4J16C	4J15C	2000	85		17H,18H
4J17G	4J16G	2000	88		15L
4J18G	4J19G	2000	88		15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	LOC	P	SWAP	AU	AL	CE	PLATE	FAULT
	3J20A		3J05B		2030		44,45	I10L
	3J21A		3J19A		2160		44	I6L

ITEM 172								
224		041233		000000	424242			
	3J12F		3J11F		2050		29	010H, I11L*I12L, I13L*I14L*I15L
	3J11E		3J08E		2920		29	I11H, I12H, I13H, I14H

ITEM 172								
224		041236		000000	707070			
	3J17B		3J16B		2060		47	I11L

ITEM 172								
224		041237		000000	000000			
	3J19A		3J21A		2160		44	I10L

ITEM 172								
224		041246		000000	041242			
	3J23B		3J21E		2060		41	015L, I11H, I12H
	3J23G		3J20G		2070		14, 41, 44, 46	I9L, 014H
	3J22B		3J05B		20E0		41	I14L, 09H, I10L* I11L*I12L*I13L* I14L*I15L
	3J27G		3J12G		2050		12	I12L

ITEM 172								
224		041353		002000	002000			
	4J09C		4J08C		2040		83	I8L

ITEM 172								
224		041361		002000	000000			
	4J06C		4J05C		2040		109	I11L, I14L

ITEM 172								
224		041406		424242	777777			
	4J11D		4J10D		2070		83, 101	011L, 15H

ITEM 172								
224		041423		424242	775777			
	6J28E		6J27E		0651		171	I53H
	6J19C		6J17C		0761		135, 136, 138, 175	I32L
	8J03E		8J02E		2050		112	I5L, 09H, I5L*I6L, I7L*I8L
	8J07E		8J04E		2050		80	I13H, I14H, I15H
	7J07C		7J06C		2000		112	I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
224	042246	077777	677777		
4J26F	4J24F	2070	91,94,100		013L,17H
4J24G	4J23G	2050	94		15L,18L
4J27F	4J25F	2920	91		112L

ITEM 168					
226	001246	000125	001240	017101	
2J30E	2J31E	2040	69A		015H,15L*16L, 17L*18L,19L* 110L,111L*112L, 113L*114L 16L,012H
3J16G	3J14G	2070	09,35,9,48		

ITEM 168					
226	001246	010245	001240	017101	
2J29A	2J24A	2090	61,62		010L,15H

ITEM 168					
226	010363	000125	000000	017101	
2J03B	2J02B	2020	69A		18H,19H,110H

ITEM 168					
226	043240	777777	000066	000000	
8J10C	8J10B	2040	106		16L,111L,114L
8J10D	8J10E	2040	106		113L

ITEM 152					
236	045246	000000	616161		
7J21B	7J20B	2020	37		15H,16H,17H

ITEM 168					
236	044351	777777	343464	000000	
7J28C	7J12B	2160	28		17L

ITEM 168					
236	045246	000000	777776	000000	
3J05D	3J08D	2060	38		111L

ITEM 168					
236	045246	000001	200000	000000	
3J07A	3J02A	2920	23		18L

ITEM 172					
236	041221	000000	1000X7		
8J12E	8J13E	2920	119		111H,112H,113H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
					I14H

ITEM 172					
236	041221	000000	503000		
8J11E	8J04D	2060	119		I6L

ITEM 172					
236	041237	000000	000000		
8J11F	8J07F	2050	119,120		09L,15H,16H
7J12C	7J11C	2000	105		15H,16H
8J11E	8J04D	2060	119		15L

ITEM 172					
424242	041246	424242	424242		
4J09F	4J08F	2040	82		I12L

ITEM 172					
236	041353	000000	010000		
4J10B	4J09B	2040	84		15H,16H

ITEM 172					
236	041353	000000	020000		
4J09B	4J08B	2040	84		15H,16H

ITEM 172					
236	041353	000000	040000		
4J08B	4J07B	2040	84		15H,16H

ITEM 172					
236	041353	000000	100000		
4J10A	4J09A	2040	84		15H,16H

ITEM 172					
236	041353	000000	200000		
4J09A	4J08A	2040	84		15H,16H

ITEM 172					
236	041353	000000	400000		
4J08A	4J07A	2040	84		15H,16H

ITEM 172					
236	041353	000000	777777		
4J05D	4J04D	2013	17,26		15H,16H,013H*
3J06F	3J13F	2060	17		014H*015H
3J18C	3J17C	2060	47		16L,013H,15L*
					16L*17L
					112L,015H,111L*

TABLE 6-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	PLATE	FAULT
LUC	SWAP	TYPE			
					112L
3J06G	3J03G	2040		17	015L,19H,I10H
3J19B	3J18B	2050		47,46	09L

ITEM 172					
236	041353	000200	000200		
4J28B	4J04B	2900		97	19L

ITEM 172					
236	041353	000400	000400		
4J29B	4J28B	2900		97,98	112L

ITEM 172					
236	041353	353536	777777		
3J19B	3J18B	2050		47,46	15H,16H

ITEM 172					
236	041364	353535	707070		
3J06G	3J03G	2040		17	19L

ITEM 172					
236	041601	000000	000000		
8J11E	8J04D	2060		119	19L

ITEM 172					
236	042131	000000	002000		
4J09C	4J08C	2040		83	113H,I14H

ITEM 172					
236	042131	000000	004000		
4J08C	4J07C	2040		83	113H,I14H

ITEM 172					
236	042143	000000	000002		
8J11G	8J11E	2060		107,120	16L

ITEM 172					
236	042155	000000	000000		
8J35D	8J34D	3780		129	15L

ITEM 172					
236	042251	077777	677777		
3J23A	3J03E	2030		41	17L

ITEM 172					
236	050015	120000	507300		
7J11C	7J10C	2000		105	15H,16H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 155					
239	041306	007300	006047		
7J10B	7J08B	2000	105		I5H,I6H

ITEM 168					
239	043061	170000	200000	000000	
7J06B	7J07B	2000	113		I5H,I6H
8J17F	8J15F	2000	117		I5H,I6H

ITEM 172					
239	041221	000000	614520		
8J14E	8J07E	2050	119,120		I13L,I14L

ITEM 172					
239	041353	010000	010000		
4J16F	4J15F	2000	86		I8L

ITEM 172					
239	041361	000000	000000		
4J10B	4J09B	2040	84		I6L

ITEM 168					
244	043061	160000	200000	000000	
7J07B	7J06B	2000	113		I5H,I6H

ITEM 172					
244	041300	000000	000000		
8J11G	8J11E	2060	107,120		I12L
8J17F	8J15F	2000	117		I9L

ITEM 172					
244	041300	346132	507201		
7J11B	7J10B	2000	105		I5H,I6H

ITEM 172					
244	041353	020000	020000		
4J15F	4J14F	2000	86		I8L

ITEM 172					
244	041361	000000	000000		
4J09B	4J08B	2040	84		I6L

ITEM 172					
272	041220	000000	000002		
4J30G	4J29G	2900	99		I9L

TABLE 8-37. SECONDARY ISOLATION TABLE FOR TABLE 8-10
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
272	041221	000000	654321		
2J196	2J146	2030	75,75A		011H,I12L*I13L* I14L
4J06E	4J05E	2040	109		I11H,I12H

ITEM 172					
272	041233	000000	600003		
2J04G	2J096	2030	73,73A		011H,I12L*I13L* I14L
4J06G	4J05G	2040	108		I11H,I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM LOC	P SWAP	AL TYPE	Z1	MODE PLATE	CHAN4	FAULT

LOCATE SYMPTOM, THEN ITEM, THEN DATA						

ITEM 105						
1	000000	000000	000000	02	X000	
4J32D	4J30D	2013	19,21			I5H,I6H,013H* 014H*015H
3J10D	3J19D	2013	07			I7L,010L*011L* 012L
3J02B	3J06B	2060	21,18			013L,I5H,I6H, I7H
4J12A	4J13B	2060	101,21			I11L,015H,I11L* I12L
4J31D	4J04C	2060	20,21			I12L,015H,I11L* I12L
7J20F	7J21F	2020	35			I13H

ITEM 106						
1	000000	000000	000000	02	X000	
4J04D	4J03D	2013	05			I5L,I7H,I8H,I9H, 013L*014L*015L, 010H*011H*012H
4J14D	4J09D	2013	18			I7H,I8H,I9H, 010H*011H*012H
4J33D	4J32D	2013	19,21			I5H,I6H,013H* 014H*015H
4J35C	4J35B	2220	21,29			I6L,I7L,I8L,I9L, 014H,I6L*I7L* I8L
3J34E	3J33E	2013	04			I9L,010L*011L* 012L
4J16D	4J15D	2013	18			I8L,010L*011L* 012L
3J19E	3J16E	2060	45			I9H,I10H,013H, I5L*I6L*I7L
3J20C	3J19C	2060	45			I12H,013H,014H, I8L*I9L*I10L
3J03G	3J06G	2040	18			015H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
3J02C	3J04C	2060	30,15,21			I11L,015H,I11L* I12L
3J03C	3J06C	2070	07,11,21,18			I5L,011H

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
3J04D	3J13D	2070	20,07,18			014L,19H
3J20B	3J27B	2070	46,45,44			16L,012H
3J02E	3J04E	2060	18			015H,111L*112L
3J08G	3J30F	2030	18,24			011H,112L*113L* 114L

ITEM 106						
1	000067	000000	000000	02	X000	
4J03D	4J02D	2013	05			17H,18H,19H, 010H*011H*012H
3J25B	3J26B	2013	15			15H,16H,013H* 014H*015H
4J32D	4J30D	2013	19,21			15L,013L*014L* 015L
4J31D	4J04C	2060	20,21			015L,111H,112H
3J32C	3J24C	2070	03,14			17L,013H
7J02D	7J03D	2013	06			010H*011H*012H
3J02E	3J06B	2060	21,18			013H,15L*16L* 17L

ITEM 106						
1	000267	000000	000000	02	X000	
4J18D	4J17D	2013	19			013L*014L*015L

ITEM 106						
7	000001	000000	000000	02	X000	
4J14D	4J09D	2013	18			19L,15H,16H, 010L*011L*012L, 013H*014H*015H

ITEM 106						
7	000050	000000	000000	02	X000	
4J03D	4J02D	2013	05			010L*011L*012L

ITEM 106						
7	000067	000000	000000	02	X000	
3J20G	3J16G	2070	8,45			015L,110H
3J18G	3J17G	2060	08,46,			15L,013H
3J15B	3J14B	2930	08,09			112L

ITEM 108						
7	000051	000304	000304	02	X000	
4J03D	4J02D	2013	05			17L

ITEM 360						
7					X	
3J04B	3J03B	2920	21			18H,19H,110H

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J19F 7J18C	8J18F 7J02C	2000 2030	117 49,107			I12L I6H

ITEM 108						
10	000072	000304	000000	02	X000	
3J19B	3J18B	2050	47,46			010H, I11L*I12L, I13L*I14L*I15L

ITEM 108						
10	000305	000304	000000	02	X000	
3J18F 3J02A	3J13F 3J07A	2060 2920	47 21			015H, I11L*I12L I6L

ITEM 233						
10	000000	000000	000000	01	X001	
8J18F	8J17F	2000	117			I15L, 013H*014L, 013H

ITEM 233						
10	000000	000000	360466	01	X001	
8J14A	8J15A	2000	114			I5L

ITEM 360						
10					X	
8J20A 8J18F	8J21A 8J17F	3771 2000	132 117			I9L, I13L I11H, I12H

ITEM 233						
108	000000	000000	000000	01	X045	
8J17D	8J16D	2013	25			010L*011L*012L

ITEM 233						
106	000000	000000	124350	01	X001	
8J15D	8J12D	2013	24			010L*011L*012L

ITEM 233						
108	000000	000000	360466	01	X001	
8J15D	8J12D	2013	24			I5L, I5H, I6H, 013L*014L*015L, 013H*014H*015H
8J02D	8J03D	2013	06,105			I5L, 013L*014L* 015L
8J17D	8J18D	2013	25			I6L, 013L*014L* 015L
8J24B 8J25A	8J32A 3J35A	2013 2120	122 122			I5H, I6H I8L, I15L, 013H, I15H

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J16C	8J32A	2013	24,25			013L*014L*015L
8J16D	8J12D	2013	24			I7L
8J24A	8J19A	2000	122			I11H,I12H

ITEM 233						
108	000000	000000	441101	01	X001	
8J27C	8J26C	3621	123			I9H,I10H,I11H, I9H*I10H*I11H
8J28C	8J29C	3621	123			I9H,I10H,I11H, I9H*I10H*I11H
8J27B	8J26B	3640	122			I7L,012L,I5H, 013H
8J02E	8J03E	2050	24,33			010L,I12L,I13L, 010H,I11L*I12L, I13L*I14L*I15L
8J24A	8J19A	2000	122			I9L,I11L,I15H, 013H*014L,I11L* I12L
8J29A	8J28A	3640	122			I5L,012H

ITEM 233						
108	000000	000000	710004	01	X001	
8J04D	8J29B	2060	24,121			I8L,014L,I8H, I9H,I10H,014H, I8L*I9L*I10L
8J25B	8J12B	2070	122,107			I7L,013H
8J30A	8J05A	2070	122			014L,I9H

ITEM 360						
108					X	
8J24B	8J32A	2013	122			I7H,I8H,I9H, 010L*011L*012L, 010H*011H*012H
8J21C	8J20C	3771	132			I12L,I13H,I14H, I15H,I9L*I10L* I11L,I13L*I14L* I15L
8J23A	8J22A	3771	132			I12L,I13H,I14H, I15H,I9L*I10L* I11L,I13L*I14L* I15L
8J09D	8J08D	2013	21,25			I7H,I8H,I9H, 010H*011H*012H
8J29A	8J28A	3640	122			015L,I11H,014H
7J09A	7J13A	2050	107			I5L,I7L,09H,I5L* I6L,I7L*I8L
7J18C	7J02C	2030	49,107			010L,I5H,I6H,

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
8J30A	8J05A	2070	122			17H, 19H
8J16F	8J02F	2020	107			110L, 015H
						113L, 113L*114L*
						115L, 011H
3J08D	3J05D	2060	22			111L

ITEM 106						
110	000030	000000	000000	02	X000	
	4J23F	4J22F	2920	94		015L

ITEM 106						
110	000074	000000	000000	02	X000	
	4J17A	4J16A	2000	87		15L

ITEM 106						
110	000170	000000	000000	02	X000	
	4J19C	4J18C	2000	87		15L

ITEM 106						
110	000270	000000	000000	02	X000	
	4J22D	4J21D	2050	95		09L

ITEM 106						
110	000470	000000	000000	02	X000	
	4J22C	4J20C	2920	95		015L, 15H, 16H, 17H

ITEM 106						
110	001070	000000	000000	02	X000	
	4J19E	4J18E	2000	88		15L

ITEM 106						
110	002070	000000	000000	02	X000	
	4J24D	4J23D	2050	95		010L, 111H, 112H
	4J18E	4J17E	2000	88		15L

ITEM 106						
110	004070	000000	000000	02	X000	
	4J23C	4J22C	2920	95		015L, 15H, 16H, 17H

ITEM 106						
110	020070	000000	000000	02	X000	
	4J22B	4J21B	2050	96		09L, 15H, 16H

ITEM 106						
110	040070	000000	000000	02	X000	

TABLE 6-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
4J22A	4J20A	2920	96			015L,15H,16H, 17H
4J17F	4J16F	2000	88			15L

ITEM 106						
110	100070	000000	000000	02	X000	
4J19G	4J18G	2000	88			15L,111L,115H, 013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H
4J24B	4J23B	2050	96			010H,111L*112L, 113L*114L*115L

ITEM 108						
110	000072	000304	000000	02	X000	
3J18G	3J17G	2060	08,46,			16L

ITEM 108						
110	000075	000304	000304	02	X000	
4J22F	4J20F	2920	94			015L,15H,16H, 17H

ITEM 108						
110	004071	000304	000304	02	X000	
4J17E	4J16E	2000	88			15L

ITEM 233						
110	000000	000000	360466	01	X001	
8J16D	8J15D	2013	24			013L*014L*015L

ITEM 233						
110	000000	000000	441101	01	X001	
8J24A	8J19A	2000	122			15L,17L,013L* 014H,15L*16L, 17L*18L,19L* 110L,014H

ITEM 360						
110					X	
8J23A	8J22A	3771	132			19H,110H,111H

ITEM 233						
115	000000	000000	441101	01	X001	
8J29C	8J28C	3621	123			19L
8J14A	8J15A	2000	114			115L,013H

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TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	LOC	P	SWAP	AL	Z1	MODE	CHAN4	FAULT
				TYPE	PLATE			
ITEM 233								
115		000000		000000	505640	01	X001	
	8J17F		8J15F	2000	117			I7L
	8J18E		8J17E	2000	116			I7L
	8J19C		8J18C	2000	116			I7L

ITEM 233								
115		000000		000000	710004	01	X001	
	8J14A		8J15A	2000	114			013H*014L

ITEM 360								
115							X	
	8J17G		8J18G	2000	117			I11H, I12H
	8J19G		8J18G	2000	117			I11H, I12H
	8J20A		8J21A	3771	132			I11L
	8J22A		8J21A	3771	132			I13L
	8J23A		8J20C	3771	132			I10L
	8J17F		8J15F	2000	117			I12L
	8J18E		8J17E	2000	116			I12L
	8J19C		8J18C	2000	116			I12L

ITEM 106								
123		000071		000000	000000	02	X000	
	4J19A		4J18A	2000	87			I11L, 013L*014H, I5L*I6L, I7L*I8L, I9L*I10L, I11L* I12L, 014H

ITEM 106								
123		000072		000000	000000	02	X000	
	4J20G		4J13G	2050	94			I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L

ITEM 106								
123		000074		000000	000000	02	X000	
	4J23G		4J22G	2050	94			09L

ITEM 108								
123		000072		000304	000304	02	X000	
	4J16A		4J15A	2000	85			I5L, I7L, I10L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
	4J20G		4J13G	2050	94			09L, I5H, I6H

TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 108						
123	000075	000304	000304	02	X000	
4J14A	4J15A	2000	85			I5L, I7L, I10L, I11L, I15H, 013L* 014H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H I9L, 014H I9L, 014H 09L, I5H, I6H I7H, I8H
4J21F	4J26F	2070	94			
4J24F	4J26F	2070	94			
4J21G	4J20G	2050	94			
4J23G	4J22G	2050	94			

ITEM 233						
123	000000	000000	000000	01	X005	
3J24C	3J12C	2070	44,41,40,14			014L, I9H 014H, I8L*I9L* I10L I7L
3J23D	3J21D	2060	40			
3J24E	3J12E	2900	40			

ITEM 233						
123	000000	000000	505640	01	X001	
8J19E	8J18E	2000	116			17L

ITEM 360						
123					X	
3J23D	3J21D	2060	40			I10L I12L
8J19E	8J18E	2000	116			

ITEM 233						
227	000000	000000	777777	01	X045	
4J05D	4J04D	2013	17,26			I7H, I8H, I9H, 010H*011H*012H 014L, I8H, I9H, I10H I9L, 014H I9L, 014H
7J19F	7J16F	2060	26,52			
7J03G	7J09G	2070	26,35,53			
7J16C	7J03C	2070	50,51			

ITEM 360						
227					X	
2J14F	2J13F	2013	59A			I5H, I6H, 013H* 014H*015H

ITEM 233						
251	000000	000000	000000	01	X000	
7J20C	7J14C	2000	37			I10H

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TABLE 8-38. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 233						
251	000000	000000	000000	01	X001	
7J09A	7J13A	2050	107			010L

ITEM 233						
251	000000	000000	612064	01	X001	
8J32A	8J31A	2013	122			013L*014L*015L

ITEM 233						
251	000000	000000	746073	01	X001	
8J19A	8J18A	2000	115			I5L

ITEM 360						
251					X	
6J19B	6J38B	0431	142			I52H
6J21B	6J38B	0431	139			I52H
8J19E	8J18E	2000	116			I11H, I12H

ITEM 110						
266	000071	000045	000304	02	X000	
4J28G	4J02G	2900	99			06H*08L, 06H

ITEM 233						
283	000000	000000	000000	01	X001	
7J07B	7J06B	2000	113			I15L, I7H, I8H, 013H*014L, 013H

ITEM 233						
283	000000	000000	747004	01	X001	
4J06B	4J05B	2040	110			I5L, I7L, I9L, 015H, I5L*16L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP		TYPE	PLATE		

LOCATE SYMPTOM, THEN ITEM, THEN MSG (LOOP, HALT, FAULT), THEN DATA

ITEM 151

7	FAULT	040010	000000	000000	000000	
4J20D	4J21D	2050		95		15L

ITEM 151

7	FAULT	040310	000000	000000	000000	
4J21D	4J20D	2050		95		15L

ITEM 151

7	FAULT	040706	000000	000000	000000	
3J31E	3J09E	2020		03		110L

ITEM 151

7	FAULT	040750	000000	000000	000000	
4J17B	4J16B	2000		87		15L

ITEM 167

7	FAULT	022154	000540	130000	000000	
3J02B	3J06B	2060		21,18		16L
3J04B	3J03B	2920		21		015L

ITEM 171

7	FAULT	000002	000000	000000	000000	
4J34D	4J33D	2013		19,21		15H,16H,013H*
3J03C	3J06C	2070		07,11,21,18		014H*015H 16L,012H

ITEM 151

8	FAULT	040005	000000	000000	000000	
7J21F	7J20F	2020		36		18L*19L*110L

ITEM 151

8	FAULT	040007	000000	000000	000000	
7J21E	7J05E	2020		36		012H

ITEM 151

8	FAULT	040034	000000	000000	000000	
7J21F	7J20F	2020		36		16L

ITEM 151

8	FAULT	040035	000000	000000	000000	
7J21F	7J20F	2020		36		110L

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 151						
8	FAULT	040040	000000	000000	000000	
7J22E	7J21E	2020	36			011L*012H

ITEM 151						
8	FAULT	040042	000000	000000	000000	
7J21F	7J20F	2020	36			011L*012H
7J22E	7J21E	2020	36			15L*16L*17L

ITEM 151						
8	FAULT	040045	000000	000000	000000	
7J21E	7J05E	2020	36			011L*012H

ITEM 151						
8	FAULT	040047	000000	000000	000000	
7J22E	7J21E	2020	36			012H

ITEM 151						
8	FAULT	040050	000000	000000	000000	
7J21E	7J05E	2020	36			15L*16L*17L
7J21F	7J20F	2020	36			15L*16L*17L

ITEM 151						
8	FAULT	040053	000000	000000	000000	
7J22E	7J21E	2020	36			18L*19L*110L

ITEM 151						
8	FAULT	040062	000000	000000	000000	
7J21E	7J05E	2020	36			18L*19L*110L

ITEM 151						
8	FAULT	040064	000000	000000	000000	
7J21F	7J20F	2020	36			012H

ITEM 151						
8	FAULT	040710	000000	000000	000000	
4J05D	4J04D	2013	17,26			15L,013L*014L* 015L
3J06F	3J13F	2060	17			013L,15H,16H, 17H
3J06G	3J03G	2040	17			015H,15L*16L, 17L*18L,19L* 110L,111L*112L, 113L*114L
3J06B	3J02B	2060	17			015H,111L*112L
3J07G	3J13G	2920	36			015H,15L*16L*

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			

ITEM 151						I7L, I8L*I9L* I10L
8	FAULT	040710	000000	000056	000000	
3J056	3J15G	2060	17,18			015H, I11L*I12L

ITEM 171						
8	FAULT	040001	000000	000000	000000	
4J15D	4J16D	2013	18			I7H, I8H, I9H, 010H*011H*012H
3J056	3J15G	2060	17,18			I5L, 013H, 014H, I5L*I6L*I7L, I8L* I9L*I10L
4J06D	4J05D	2013	17,26			I5L, 013L*014L* 015L
3J06F	3J13F	2060	17			014L, I8H, I9H, I10H
3J05F	3J05E	2040	17			015H, I5L*I6L, I7L*I8L, I9L* I10L, I11L*I12L, I13L*I14L
3J086	3J30F	2030	18,24			011L, I12H, I13H, I14H, I15H
4J14D	4J09D	2013	18			I8L
7J22E	7J21E	2020	36			I6L

ITEM 151						
10	FAULT	040707	000000	000000	000000	
3J20B	3J27B	2070	46,45,44			011L, I5H

ITEM 171						
10	LOOP	041261	000000	127775	000000	
3J22C	3J25C	2013	41,42			I7L

ITEM 171						
10	FAULT	000002	000000	000000	000000	
3J196	3J186	2060	46			I9L

ITEM 171						
10	FAULT	044406	000000	000000	000000	
3J04B	3J03B	2920	21			I13L

ITEM 151						
108	FAULT	040707	000000	000000	000000	
3J23E	3J22E	2013	40,43			I7H, I8H, I9H,

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J16D	8J17D	2013	24			010H*011H*012H I7H,I8H,I9H,
3J23D	3J21D	2060	40			010H*011H*012H I6L,014L,015L, I8H,I9H,I10H, I11H,I12H
7J12B	7J02A	2160	106,107			015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H
3J24B	3J23B	2060	41,15			I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
3J24C	3J12C	2070	44,41,40,14			I7L,I9L,013H, 014H
3J27B	3J20B	2070	14,15			I9L,012L,I6H, 014H
8J02B	8J06B	2070	24,25			I7L,011L,I5H, 013H
3J06E	3J04E	2060	24,19			I8H,I9H,I10H
3J26D	3J02E	2060	16			I5L,013H,I5L* I6L*I7L
3J08F	3J22F	2070	16,52,33,12			I5L,011H
3J16G	3J14G	2070	09,35,9,48			I5L,011H
3J02D	3J31D	2050	16,25			09L,I7H,I8H
3J24A	3J22A	2013	15			I9L
8J15D	8J12D	2013	24			I8L
3J07C	3J05C	2920	24			015H,I11L*I12L* I13L,I5L*I6L* I7L,I8L*I9L* I10L
8J14B	8J15B	2000	114			I7L,I9L

ITEM 151						
108	FAULT	160351	000000	000000	000000	
8J14B	8J15B	2000	114			I6L

ITEM 151						
110	FAULT	040707	000000	000000	000000	
7J11D	7J10D	2013	22			I7H,I8H,I9H, 010H*011H*012H
8J29C	8J28C	3621	123			I5H,I6H,I7H
7J03C	7J16C	2070	22,23			I9L,014H
7J10E	7J08E	2000	104			I7H,I8H
7J12E	7J11E	2000	105			I7H,I8H
7J10B	7J08B	2000	105			I8L
7J10C	7J08C	2000	105			I8L

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 151						
110	FAULT	040710	000000	000000	000000	
4J22D	4J21D	2050	95			17H,18H
4J23F	4J22F	2920	94			15H,16H,17H
7J10A	7J08A	2000	105			18L
7J11E	7J10E	2000	104			18L
7J12G	7J11G	2000	104			18L

ITEM 151						
115	FAULT	005251	000000	707070	000000	
8J06E	8J25B	2070	80,81			015L,I10H

ITEM 151						
115	FAULT	040707	000000	000000	000000	
7J10G	7J08G	2000	104			I15L,013H*014L, 013H
7J11G	7J12G	2000	104			17H,18H
8J14A	8J15A	2000	114			15H,16H

ITEM 151						
115	FAULT	040711	000000	000000	000000	
7J10G	7J08G	2000	104			17H,18H

ITEM 151						
115	FAULT	040737	000000	000000	000000	
8J07F	8J06F	2050	81			09L

ITEM 151						
115	FAULT	041011	000000	000000	000000	
3J20B	3J27B	2070	46,45,44			013L,17H
3J19C	3J18C	2060	45			014H,18L*19L* I10L
3J20C	3J21C	2060	45			18L
3J20A	3J05B	2080	44,45			16L

ITEM 151						
115	FAULT	044377	341261	000000	000000	
3J23E	3J22E	2013	40,43			15H,16H,013H* 014H*015H

ITEM 151						
115	FAULT	045016	000000	000000	000000	
3J24E	3J12E	2900	40			19L

ITEM 151						
115	FAULT	045237	777777	501720	000000	
8J06G	8J02G	2070	81			16L,I10L,012H,

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J046	7J166	2080	40,107			015H 09L,110H,111H, 112H,113H,114H, 115H

ITEM 151						
115	FAULT	047776	000000	347775	000000	
8J07G	8J03G	2050	81			09L

ITEM 151						
115	HALT	046376	002000	007002	000000	
8J07E	8J04E	2050	80			010H,111L*112L, 113L*114L*115L

ITEM 167						
115	FAULT	000002	777700	5023X7	000000	
3J29E	3J20E	2070	14,13,12			I9L,014H

ITEM 167						
115	FAULT	016000	017230	016006	000000	
3J29F	3J17F	2030	48,12			I15H

ITEM 167						
115	FAULT	016003	017230	016006	000000	
3J29F	3J17F	2030	48,12			I13H

ITEM 167						
115	FAULT	016005	017230	016006	000000	
3J29F	3J17F	2030	48,12			011L

ITEM 167						
115	FAULT	016007	017230	016006	000000	
3J29F	3J17F	2030	48,12			I12H,114H

ITEM 167						
115	FAULT	016007	017237	016015	000000	
3J27F	3J22F	2070	12			I5L,011H
3J21C	3J20C	2060	44			I9L

ITEM 167						
115	FAULT	016011	017237	016015	000000	
3J28F	3J24F	2900	12			06H

ITEM 167						
115	FAULT	016012	017237	016015	000000	
3J28F	3J24F	2900	12			I12H

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 167						
115	FAULT	016013	017237	016015	000000	
3J28F	3J24F	2900	12			06H*08L
3J21C	3J20C	2060	44			18L*19L*110L

ITEM 167						
115	FAULT	016015	017237	016015	000000	
3J21C	3J20C	2060	44			014H

ITEM 171						
115	FAULT	040735	000000	340751	000000	
7J116	7J106	2000	104			115L,013H*014L, 013H

ITEM 171						
115	FAULT	040737	044603	405674	000000	
3J22F	3J08F	2070	41			013L,I7H
3J23B	3J21B	2060	41			014H,I8L*19L* 110L

ITEM 167						
123	FAULT	010710	777700	502317	000000	
3J27E	3J26E	2060	12,14			15L,013H,I5L* 16L*17L
3J29E	3J20E	2070	14,13,12			012L,I6H

ITEM 167						
123	FAULT	016010	017237	016016	000000	
3J28F	3J24F	2900	12			013H*015L

ITEM 167						
123	FAULT	016012	017237	016016	000000	
3J24E	3J12E	2900	40			112L

ITEM 167						
123	FAULT	016013	017237	016016	000000	
8J06E	8J25B	2070	80,61			I9H

ITEM 167						
123	FAULT	016017	017237	016016	000000	
3J28F	3J24F	2900	12			I9H,013H
3J27E	3J26E	2060	12,14			I6L

ITEM 167						
123	FAULT	016017	017237	017237	000000	
8J06E	8J25B	2070	80,61			014L

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TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 167						
123	FAULT	040101	077777	400000	000000	
3J32D	3J29D	2013	05			I8L,010L*011L* 012L

ITEM 167						
123	HALT	042646	000000	175230	000000	
3J35E	3J34E	2013	04			I7L

ITEM 151						
215	FAULT	040710	000000	000000	000000	
3J22E	3J13E	2013	41,43			I7H,I8H,I9H
3J14A	3J12A	2070	08,27,107			013L,I7H
3J10A	3J28A	2050	107			I7L,09H,I7L*I8L
4J05D	4J04D	2013	17,26			010L*011L*012L
4J06D	4J07D	2013	17,26			I7L
3J08A	3J28A	2050	17,23			I11H,I12H
3J09A	3J07A	2920	23			I6H,I7H
3J18A	3J16A	2060	47			I12L
3J26D	3J23D	2060	16			I7L
3J19B	3J18B	2050	47,46			I6L
3J29G	3J26G	2040	12			I14H

ITEM 167						
227	FAULT	045016	000000	000000	000000	
4J32C	4J30C	2900	89			I9L,I11L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L*
4J32F	4J33F	2900	90			I9L,08H,015H I9L,I11L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L*
4J33B	4J32B	2900	89			I9L,08H,015H I9L,I11L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L*
4J33E	4J32E	2900	90			I9L,08H,015H I9L,I11L,I12L, 06L*08H,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,08H,015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE
LOC	SWAP	TYPE	PLATE		FAULT
4J33G	4J32G	2900	90		I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
4J34A	4J33A	2900	89		I9L, 08H, 015H I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
4J34C	4J33C	2900	89, 90		I9L, 08H, 015H I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
4J34F	4J33F	2900	90		I9L, 08H, 015H I9L, I11L, I12L, 06L*08H, 013L* 015H, I7L*15L* I14L, I10L*112L*
4J32D	4J30D	2013	19, 21		I9L, 08H, 015H I7L, 010L*011L* 012L
4J13G	4J04G	2050	33		010L, I13H, I14H, I15H
4J34G	4J27G	2050	33		010L, I13H, I14H, I15H
4J31G	4J12G	2060	19, 30		015L, I11H, I12H
4J04A	4J21A	2070	47, 33		I7L, 013H
4J26F	4J24F	2070	91, 94, 100		I5L, 011H
4J28E	4J02E	2900	100		I5L, I14L
4J28F	4J02F	2900	100		I5L, I14L
4J28G	4J02G	2900	99		I5L, I14L
4J29E	4J02E	2900	100		I5L, I14L
4J29F	4J02F	2900	100, 99		I5L, I14L
4J29G	4J02G	2900	99		I5L, I14L
4J30E	4J32E	2900	100		I5L, I14L
4J30F	4J33F	2900	99		I5L, I14L
4J30G	4J32G	2900	99		I5L, I14L

ITEM 151

239	FAULT	040710	000000	000000	000000
3J22D	3J20D	2013	41, 42		I5L
3J18B	3J11B	2050	47, 48		I5H, I6H
3J05E	3J09D	2040	17		I6L
3J09A	3J07A	2920	23		I5L

ITEM 167

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
239	FAULT	022154	505000	000000	000000	
4J02F	4J28F	2900	39			I7L

ITEM 167						
239	FAULT	062406	000540	777777	000000	
4J03F	4J31D	2060	39			015L, I11H, I12H
4J02F	4J28F	2900	39			I5L

ITEM 167						
239	FAULT	062456	000540	777777	000000	
4J14F	4J15F	2000	86			I12L

ITEM 151						
251	LOOP	041261	000000	000000	000000	
7J19A	7J18B	2030	37			I13H

ITEM 151						
251	LOOP	041266	424242	424242	000000	
7J21D	7J20D	2013	37			I7H

ITEM 151						
251	LOOP	041267	070707	000000	000000	
7J21D	7J20D	2013	37			I8H

ITEM 151						
251	LOOP	041270	000000	000000	000000	
7J21D	7J20D	2013	37			010H*011H*012H
7J19A	7J18B	2030	37			I14H, I15H

ITEM 151						
251	LOOP	045014	000000	501503	000000	
7J21D	7J20D	2013	37			I9H

ITEM 151						
251	LOOP	045023	000000	501602	000000	
7J20D	7J19D	2013	37			010L*011L*012L

ITEM 151						
251	LOOP	045023	000000	501606	000000	
7J19A	7J18B	2030	37			011L

ITEM 151						
251	LOOP	045032	000000	501707	000000	
7J19A	7J18B	2030	37			I12H

ITEM 151						
251	FAULT	003663	000000	000000	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J11A	8J07A	2050	118			09L, 18H

ITEM 151						
251	FAULT	003664	000000	000000	000000	
8J11A	8J07A	2050	118			17H

ITEM 151						
251	FAULT	040707	000000	000000	000000	
6J27C	5J27C	0280	135			13H, 19H, 112H, 134H, 135H, 137H, 141H, 145H, 151H, 152H, 15L, 111L, 013L, 114L, 115L, 116L, 117L, 018L, 020L, 122L, 023L, 124L, 129L, 030L, 131L, 032L, 036L, 139L, 040L, 141L, 142L, 046L, 151L, 152L, 028H, 023H, 054H, 053H, 018H, 020H, 026H, 047H, 06L, 010L, 054L, 053L
6J25C	5J25C	0260	135			04H, 127H, 04L, 129L
6J33C	6J35C	0900	136, 135, 145			123H, 127H, 13L, 14L, 115L, 116L, 011H*012H, 029H* 030H, 035H*036H, 09L*010L, 011L* 012L
6J19C	6J15C	0761	135, 136, 138, 175			026H, 046H, 026L, 134L, 154L
6J23C	6J15C	0761	135, 138, 175			046H, 012L, 024L, 151L, 154L
6J17C	6J15C	0761	136, 137, 175			026H, 026L, 03L* 04L, 03H*04H
6J21C	6J15C	0761	135, 136, 138, 175			026H, 026L, 134L, 046L
6J37C	6J31C	0040	136, 145			129L, 027H*028H, 130L, 132L
6J13C	6J15C	0761	137, 175			019L*010H*012H
7J31F	7J26F	2020	134			18L, 114L, 15H, 17H, 114H, 115H, 011H*012L, 113L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP		TYPE	PLATE		
7J08D	7J07D		2013	23		I14L*I15L,I5L* I6L*I7L,I8L*I9L* I10L,011H,012H I7H,I8H,I9H, 010H*011H*012H
8J07D	8J03D		2013	107		I7H,I8H,I9H, 010H*011H*012H
7J04D	7J03D		2013	23,106		I7H,I8H,I9H
8J13A	8J03B		2050	118		09L,010L,I5H, I6H,I11H,I12H
7J02C	7J18C		2030	23,30		010L,I5H,I6H, I7H,I8H,I9H
8J11G	8J11E		2060	107,120		013L,I5H,I6H, I7H
3J14A	3J12A		2070	08,27,107		012L,I6H
7J03C	7J16C		2070	22,23		I5L,011H
7J31E	7J29E		2070	07		I9L,014H
8J02G	8J06G		2070	21,81,121,107		I9L,014H
8J12B	8J06B		2070	118,119		I10L,015H
8J12F	8J06E		2070	107,119,120		I5L,011H
8J11A	8J07A		2050	118		010L,I11H,I12H
7J06D	7J07D		2013	23		I6L
8J11B	8J16B		2060	118		I11L
8J18A	8J17A		2000	115		I8L
8J19A	8J24A		2000	115		I8L

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251	FAULT	040710	000000	000000	000000	
6J21C	6J19C	0761	135,136,138,175	046H		
3J21F	3J20F	2060	44	I8L		
7J31F	7J26F	2020	134	I15L		

ITEM 151

251	FAULT	040737	000000	000000	000000	
8J07E	8J04E	2050	80	09L		

ITEM 151

251	FAULT	040737	000000	340707	000000	
6J27C	5J27C	0280	135	I3L,I4L,013H		

ITEM 151

251	FAULT	040737	000000	344707	000000	
8J06E	8J25B	2070	80,81	I9L,014H		
3J24E	3J12E	2900	40	I12H		

ITEM 151

251	FAULT	045000	000000	000000	000000	
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
8J19E	8J18E	2060	116			I15L,013H*014L, 013H

ITEM 151						
251	FAULT	050001	000000	000000	000000	
6J33C	6J35C	0900	136,135,145			021H*022H

ITEM 151						
251	FAULT	145756	000000	000000	000000	
6J37C	6J31C	0040	136,145			130H,I13H,027L* 028L

ITEM 167						
251	FAULT	005251	000540	307400	000000	
6J27B	6J25B	0400	139,142			I27H

ITEM 167						
251	FAULT	022163	000000	507310	000000	
6J23B	6J23D	0421	140			I52H
6J36B	6J23D	0421	143			I52H

ITEM 167						
251	FAULT	025047	000000	000011	000000	
6J29C	6J31C	0040	136			I39L,I41L,I42L

ITEM 167						
251	FAULT	025050	000000	000000	000000	
6J29C	6J31C	0040	136			I51L,I52L,I54L

ITEM 167						
251	FAULT	045016	000000	000000	000000	
4J30D	4J29D	2013	20			I5L,013L*014L* 015L
4J34D	4J33D	2013	19,21			I8L,010L*011L* 012L
3J04C	3J02C	2060	20			014L,I8H,I9H, I10H
3J216	3J196	2060	45			013L,I5H,I6H, I7H
3J26D	3J23D	2060	16			015H,I11L*112L
4J32C	4J30C	2900	89			I7L
4J32F	4J30F	2900	90			I7L
4J33B	4J32B	2900	89			I7L
4J33E	4J32E	2900	90			I7L
4J34C	4J33C	2900	89,90			I7L
3J03F	3J16F	2030	20			I7L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
3J05B	3J22B	2080	19			I13L

ITEM 167						
251	FAULT	045016	000002	000000	000000	
3J02D	3J31D	2050	16,25			I13L

ITEM 167						
251	FAULT	045016	400000	000000	000000	
3J02D	3J31D	2050	16,25			I14L

ITEM 167						
251	FAULT	045016	777777	000000	000000	
4J32F	4J30F	2900	90			I9H, I12H, 06H*, 08L, 013H*015L, 06H, 013H
4J33E	4J32E	2900	90			I9H, I12H, 06H*, 08L, 013H*015L, 06H, 013H
4J34C	4J33C	2900	89,90			I9H, I12H, 06H*, 08L, 013H*015L, 06H, 013H
4J34F	4J33F	2900	90			I9H, I12H, 06H*, 08L, 013H*015L, 06H, 013H
4J28F	4J02F	2900	100			I5H, I14H
4J29E	4J28E	2900	100			I5H, I14H
4J29F	4J30F	2900	100,99			I5H, I14H
4J30E	4J32E	2900	100			I5H, I14H

ITEM 167						
251	HALT	042617	777777	777777	000000	
7J22C	7J19C	2060	37			I6L

ITEM 171						
251	FAULT	040711	000000	000000	000000	
6J27C	5J27C	0280	135			I11H, I15H, 026L, I45L, I48L, 046H
6J19C	6J17C	0761	135, 136, 138, 175			046L

ITEM 171						
251	FAULT	050000	761311	277777	000000	
4J29E	4J28E	2900	100			013H*015L, 013H

ITEM 151						
261	FAULT	040737	000000	344707	000000	
8J06B	8J02B	2070	79,80			014L, I9H
3J24G	3J28F	2900	40			I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 151						
261	FAULT	047776	000000	347775	000000	
6J23C	6J21C	0761		135,138,175		I25L,I28L,052L
6J21A	6J22A	0651		165		I53H
7J08A	7J07A	2000		113		I15L,I7H,I8H, I9H,I10H,013H* 014L,013H
4J05A	4J06A	2040		110		I5L,I7L,I9L, 015H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
8J03G	8J09G	2050		113		I12L,010H,I11L* I12L,I13L*I14L* I15L
8J07G	8J09G	2050		81		I7H,I8H
ITEM 167						
261	FAULT	045016	777776	000000	000000	
3J17B	3J16B	2060		47		013L,I5H,I6H, I7H
ITEM 167						
261	FAULT	045016	777777	000000	000000	
4J33G	4J32G	2900		90		I9H,I12H,06H* 08L,013H*015L, 06H,013H
4J28E	4J02E	2900		100		I5H,I14H
ITEM 171						
261	FAULT	050000	000000	505004	000000	
4J28E	4J02E	2900		100		06H*08L,06H
ITEM 151						
266	FAULT	040737	000000	000000	000000	
6J23C	6J21C	0761		135,138,175		I27L,I30L,053L
6J23A	6J22A	0651		164		I53H
7J06A	7J07A	2000		113		I15L,I7H,I8H, I9H,I10H,013H* 014L,013H
4J07A	4J06A	2040		110		I5L,I7L,I9L, 015H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
8J03F	8J04F	2050		113		I12L,010H,I11L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
	8J07F	8J06F	2050	81		I12L, I13L+I14L+ I15L I7H, I8H

ITEM 151						
266	FAULT	041240	000000	010000	000000	
	8J06F	8J04F	2050	81		I14L

ITEM 151						
266	HALT	046376	002000	007002	000000	
	8J07E	8J04E	2050	80		I14L

ITEM 167						
266	FAULT	027507	000000	507310	000000	
	6J28A	6J27A	0651	162		I44H

ITEM 167						
266	FAULT	045016	000000	000000	000000	
	3J04D	3J13D	2070	20,07,18		012L, 16H
	4J34F	4J33F	2900	90		I7L, I10L
	4J30D	4J29D	2013	20		I6L
	4J28E	4J02E	2900	100		I7L
	4J28F	4J02F	2900	100		I7L
	4J28G	4J02G	2900	99		I7L
	4J29E	4J02E	2900	100		I7L
	4J29F	4J02F	2900	100,99		I7L
	4J29G	4J30G	2900	99		I7L
	4J30E	4J32E	2900	100		I7L
	4J30F	4J33F	2900	99		I7L
	4J32C	4J30C	2900	89		I10L
	4J32F	4J33F	2900	90		I10L
	4J33B	4J32B	2900	89		I10L
	4J33E	4J32E	2900	90		I10L
	4J33G	4J32G	2900	90		I10L
	4J34C	4J33C	2900	89,90		I10L
	4J22F	4J20F	2920	94		I10L
	4J27E	4J26E	2920	91		I13L

ITEM 167						
266	FAULT	045016	777777	000000	000000	
	4J33B	4J32B	2900	89		I9H, I12H, 06H* 08L, 013H*015L, 06H, 013H
	4J28G	4J02G	2900	99		I5H, I14H

ITEM 171						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-39. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE			
266	FAULT	000001	000000	000000	000000	
6J27C	5J27C	0280	135			030H

ITEM 171						
266	FAULT	050000	653213	270760	000000	
4J07A	4J06A	2040	110			I11L,I14L

ITEM 171						
266	FAULT	050000	653213	370760	000000	
4J10A	4J09A	2040	84			18L

ITEM 171						
266	FAULT	050000	716213	570760	000000	
4J11C	4J21C	2070	83,84			011L,15H

ITEM 171						
283	FAULT	041222	000000	000000	000000	
3J18B	3J11B	2050	47,48			112L

ITEM 151						
338	FAULT	040707	000000	000000	000000	
4J086	4J076	2040	82			18L

ITEM 167						
338	FAULT	016006	003001	000017	000000	
4J32A	4J30A	2900	89			15H
4J33A	4J34A	2900	102			15H

ITEM 171						
338	FAULT	045641	000000	000000	000000	
3J19F	3J18F	2060	46			I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT

LOCATE SYMPTOM, THEN ITEM, THEN DATA								

ITEM 152								
7	7J10C	041363	7J08C	424242	000000	2000	105	I5L

ITEM 152								
7	8J19F	041537	8J18F	000000	000000	2000	117	I5L

ITEM 172								
7	3J31E	040710	3J09E	000000	000000	2020	03	I5L

ITEM 152								
8	7J21E	000007	7J05E	000000	000000	2020	36	I7L

ITEM 168								
10	8J06F	043061	8J04F	000000	020000	2050	81	000000 I5H, I6H

ITEM 172								
10	8J02G 3J24E	041220	8J06G 3J12E	175726	532267	2070 2900	21,81,121,107 40	I7L,013H I5H

ITEM 172								
10	3J22G	041233	3J25G	000000	424242	2013	42	010L+011L+012L

ITEM 172								
10	8J06E 3J24G 8J06F	041237	8J25B 3J28F 8J04F	707070	000000	2070 2900 2050	80,81 40 81	I6L,012H I5H 09L

ITEM 172								
10	3J22G	041246	3J25G	000000	000000	2013	42	I8L

ITEM 168								
108	8J02G	001246	8J06G	110000	001240	2070	000000 21,81,121,107	014L, I9H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
8J11G	8J11E	2060	107,120		I5L

ITEM 168					
108	014307	000040	000040	000000	
8J16F	8J02F	2020	107		I5H,I6H,I7H, 011H*012L

ITEM 168					
108	042143	000000	000002	000000	
8J26C	8J25C	3621	123		I9H,I10H,I11H, I9H*I10H*I11H

ITEM 168					
108	043071	000000	777776	000000	
8J29A	8J28A	3640	122		I9L

ITEM 168					
108	043523	000000	000016	000000	
8J14B	8J15B	2000	114		I15H,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H

ITEM 172					
108	042143	000000	000002		
8J07D	8J03D	2013	107		I7L,I5H,I6H, 010L*011L*012L, 013H*014H*015H, I9H,I10H,I11H, I9H*I10H*I11H
8J25C	8J24C	3621	123		I9H,I10H,I11H, I9H*I10H*I11H
8J29C	8J28C	3621	123		I9H,I10H,I11H, I9H*I10H*I11H
8J11G	8J11E	2060	107,120		013H,I5L*I6L* I7L

ITEM 168					
115	010473	000001	500100	000000	
8J15A	8J14A	2000	114		I5H,I6H

ITEM 168					
115	043061	000000	100000	000000	
8J07F	8J06F	2050	81		I5H,I6H

ITEM 168					
115	043061	000000	200000	000000	
8J17G	8J18G	2000	117		I15L,013H*014L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
115	043065	400000	377777	000000	
8J19G	8J18G	2000	117		I15L,013H*014L, 013H

ITEM 168					
115	043067	177777	577777	000000	
8J07G	8J03G	2050	81		I5H,I6H

ITEM 168					
115	043523	721121	000006	000000	
8J15A	8J14A	2000	114		I15L,013H*014L

ITEM 168					
115	043523	752616	000002	000000	
8J28C	8J27C	3621	123		I9L
8J15A	8J14A	2000	114		013H

ITEM 172					
115	041226	000000	707070		
3J21D	3J17D	2060	44		I7L

ITEM 172					
115	041237	000000	000000		
3J22C	3J25C	2013	41,42		I5H,I6H,013H* 014H*015H
3J21D	3J17D	2060	44		013L,I5H,I6H, I7H
3J23B	3J21B	2060	41		014L,I8H,I9H, I10H
3J22F	3J08F	2070	41		I7L,013H

ITEM 172					
115	041406	000000	000000		
8J07C	8J06C	2050	80		010H,I11L*I12L, I13L*I14L*I15L

ITEM 172					
115	041620	070707	353535		
8J06B	8J02B	2070	79,80		012L,I6H
3J24F	3J28F	2900	40		I9L

ITEM 172					
115	042143	000000	000002		
3J31B	3J24B	2060	03,13,03		014L,I8H,I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
8J06F	8J04F	2050	81		I12L
8J07C	8J06C	2050	80		I12L
8J07E	8J04E	2050	80		I12L

ITEM 172					
115	042234	000002	100000		
8J07C	8J06C	2050	80		I13L

ITEM 172					
123	041247	000000	000000		
4J32B	4J30B	2900	102		15L

ITEM 172					
123	041620	070707	006100		
3J23F	3J15F	2013	40		18L

ITEM 172					
123	042143	000000	000002		
8J07E	8J04E	2050	80		16L

ITEM 172					
123	045013	000000	004000		
8J07E	8J04E	2050	80		09H, 15L*16L, 17L* 18L

ITEM 172					
215	041237	000000	000000		
4J03D	4J02D	2013	05		15L, 013L*014L* 015L

ITEM 172					
215	041241	000000	000000		
3J08C	3J22B	2080	22		16L

ITEM 172					
215	041247	000000	000000		
3J26C	3J23C	2060	22,35		I12L

ITEM 155					
239	041306	000000	000000		
4J03F	4J31D	2060	39		014L, 18H, 19H, 110H
4J02G	4J28G	2900	39		I14L
4J15F	4J14F	2000	86		I12L

ITEM 168					
239	001246	110000	001240	000000	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
3J20F	3J19F	2060	27,45		014L,18H,19H, I10H
3J26C	3J23C	2060	22,35		015L,111H,112H
3J18D	3J16D	2070	47		I10L,015H
3J20G	3J16G	2070	8,45		I6L,012H
3J11A	3J06A	2060	27,30		I5L
3J03G	3J06G	2040	18		I8L
3J13G	3J07G	2920	35		I14L

ITEM 172

239	041232	000000	424242		
	3J05F	3J05E	2040	17	I9L

ITEM 172

239	041237	000000	000000		
	4J31D	4J04C	2060	20,21	I7L

ITEM 172

239	041252	000000	041240		
	4J06G	4J05G	2040	108	I11L,114L
	4J09G	4J08G	2040	82	I8L

ITEM 172

239	041300	000000	000000		
	4J03F	4J31D	2060	39	013L,15H,16H, I7H
	4J02G	4J28G	2900	39	I5L,17L
	4J16F	4J15F	2000	86	I12L

ITEM 172

239	041300	777777	777777		
	4J03C	4J04C	2060	39	014L,18H,19H, I10H
	4J02E	4J28E	2900	39	I7L
	4J16G	4J15G	2000	86	I12L
	7J20A	7J11A	2000	37	I6L

ITEM 152

251	040707	000000	000000		
	6J13C	6J15C	0761	137,175	06L*018H*024H

ITEM 152

251	040710	000000	000000		
	8J06B	6J02B	2070	79,80	015L,110H
	7J21A	7J03A	2020	37	I6L

ITEM 155

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
251	041306	007300	006047		
7J20C	7J14C	2000	37		I15L,013H*014L, 013H

ITEM 168					
251	011220	777700	000000	000000	
8J33D	8J32D	3780	129		I10L

ITEM 168					
251	042651	000000	343434	000000	
7J24B	7J21B	2020	37		I15L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
7J24C	7J05C	2020	37		I15L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
7J20B	7J21B	2020	37		I8H,I9H,I10H
7J22C	7J19C	2060	37		I5L
7J20C	7J14C	2000	37		I9H
7J19A	7J18B	2030	37		I7L

ITEM 168					
251	042651	000000	616161	000000	
7J24D	7J25D	2013	37		I5L,I7H,I8H,I9H, 013L*014L*015L, 010H*011H*012H
7J21D	7J19D	2013	37		I5H,I6H,013H* 014H*015H
7J03D	7J02D	2013	06		I5L,013L*014L* 015L
7J20D	7J19D	2013	37		I7L

ITEM. 168					
251	042651	000000	707070	000000	
7J23F	7J19F	2060	35,36		015L,I11H,I12H, 014H,I8L*I9L* I10L
7J22C	7J19C	2060	37		I12L,015H,I11L* I12L
7J09G	7J03G	2070	36,53		I5L,011H
7J22B	7J05B	2070	37		015L,I10H
7J22G	7J21G	2020	36		011H*012L,I13L* I14L*I15L,011H
7J19A	7J18B	2030	37		010H,I5L*I6L* I7L*I8L*I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
251	042675	777777	700000	000000	
7J22B	7J05B	2070	37		I5L,011H

ITEM 168					
251	043061	000000	004000	000000	
8J07E	8J04E	2050	80		I5H,16H

ITEM 168					
251	063045	000541	XXXXXX	000000	
6J29C	6J31C	0040	136		I9L,I10L,I12L

ITEM 168					
251	063144	030777	XXXXXX	000000	
6J34B	6J32B	0400	140,142		I33L,I35L,I36L

ITEM 168					
251	063144	033777	XXXXXX	000000	
6J21C	6J19C	0761	135,136,138,175		010L

ITEM 168					
251	063144	034777	XXXXXX	000000	
6J32B	6J31B	0400	140		I29H

ITEM 168					
251	063144	035777	XXXXXX	000000	
6J21C	6J19C	0761	135,136,138,175		018L

ITEM 168					
251	063144	036777	XXXXXX	000000	
6J19C	6J17C	0761	135,136,138,175		010L

ITEM 168					
251	063144	037577	XXXXXX	000000	
6J17C	6J15C	0761	136,137,175		010L

ITEM 168					
251	063144	037577	000500	000000	
6J25B	6J27B	0400	139		I35H,I39L,I41L, I42L

ITEM 168					
251	063144	037747	000040	000000	
6J29B	6J27B	0400	143		I33L,I35L,I36L

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
251	063144	037757	XXXXXX	000000	
6J15C	6J13C	0761	137,175		010L

ITEM 168					
251	063144	037767	XXXXXX	000000	
6J15C	6J13C	0761	137,175		018L

ITEM 168					
251	063144	037770	XXXXXX	000000	
6J27B	6J25B	0400	139,142		127L,I29L,I30L

ITEM 168					
251	063144	037773	XXXXXX	000000	
6J13C	6J15C	0761	137,175		154H,046L

ITEM 168					
251	063144	037775	XXXXXX	000000	
6J13C	6J15C	0761	137,175		010L

ITEM 168					
251	063144	037776	XXXXXX	000000	
6J13C	6J15C	0761	137,175		018L

ITEM 168					
251	063144	037777	000002	000000	
6J13C	6J15C	0761	137,175		120L

ITEM 168					
251	063144	037777	000040	000000	
6J15C	6J13C	0761	137,175		046H,I51L

ITEM 168					
251	063144	037777	000100	000000	
6J17C	6J15C	0761	136,137,175		018H

ITEM 168					
251	063302	110160	XXXXXX	000000	
6J35C	6J33C	0900	136,145		09H*010H

ITEM 168					
251	063302	110200	XXXXXX	000000	
6J35C	6J33C	0900	136,145		115L,I16L,09L* 010L

ITEM 168					
251	063302	110260	XXXXXX	000000	
6J35C	6J33C	0900	136,145		123H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
251	063302	110320	XXXXXX	000000	
6J35C	6J33C	0900	136,145		I27H

ITEM 168					
251	063302	110340	XXXXXX	000000	
6J35C	6J33C	0900	136,145		I31H

ITEM 168					
251	063302	110360	XXXXXX	000000	
6J35C	6J33C	0900	136,145		I5L,I6L,021H* 022H,029H*030H, 035H*036H,017L* 018L I19L,017H*025H, I21L,I22L I10H,I11H,015L* 020L
6J29C	6J31C	0040	136		
6J37C	6J31C	0040	136,145		

ITEM 168					
251	063532	110060	XXXXXX	000000	
6J35C	6J33C	0900	136,145		017H*C18H

ITEM 168					
251	063532	110200	XXXXXX	000000	
6J19B	6J38B	0431	142		I54H,I47L,I48L, I52L
6J21B	6J38B	0431	139		I54H,I47L,I48L, I52L
6J40B	6J38B	0431	142		I48H

ITEM 168					
251	063532	110220	XXXXXX	000000	
6J35C	6J33C	0900	136,145		I6H

ITEM 168					
251	063532	110240	XXXXXX	000000	
6J23C	6J21C	0761	135,138,175		018L

ITEM 168					
251	063532	110300	XXXXXX	000000	
6J23C	6J21C	0761	135,138,175		010L

ITEM 168					
251	063545	110360	XXXXXX	000000	
6J29C	6J31C	0040	136		I10H,I11H,I19H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
6J23B	6J23D	0421	140		I23H,I30H,I34H, I36H,I39H,I41H, I43H,I51H,015L* 020L,017L*025L, 027L*028L,045L* 048L,047L*053L I44H,I46H,I48H, I46L,I48L,I52L
6J36B	6J23D	0421	143		I44H,I46H,I48H, I46L,I48L,I52L
6J33C	6J35C	0900	136,135,145		I51H,I53H,039H* 040H,041H*042H

ITEM 168					
251	064040	010017	000377	000000	
6J19C	6J17C	0761	135,136,138,175	018H	

ITEM 168					
251	064346	000000	000007	000000	
7J09A	7J13A	2050	107	I13H,I14H,I15H	
7J15E	7J04E	2060	51,107	014H,I8L*I9L* I10L	

ITEM 168					
251	064443	000540	XXXXXX	000000	
6J35C	6J33C	0900	136,145	I16H	

ITEM 168					
251	064443	010037	777737	000000	
6J13C	6J15C	0761	137,175	018H	

ITEM 168					
251	064443	020001	637777	000000	
6J29C	6J31C	0040	136	045H*048H	

ITEM 168					
251	064443	020002	XXXXXX	000000	
6J29C	6J31C	0040	136	047H*053H	

ITEM 172					
251	041221	000000	557775		
7J12F	7J11F	2000	104	I5H,I6H	

ITEM 172					
251	041221	000000	777777		
7J116	7J106	2000	104	I6L	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
251	041226	000000	000000		
4J19A	4J18A	2000	87		I6L

ITEM 172					
251	041246	000000	001240		
4J29E	4J28E	2900	100		06H*08L,06H

ITEM 172					
251	041246	000000	040240		
4J29F	4J28F	2900	100,99		013H*015L,013H

ITEM 172					
251	041246	000000	041244		
7J08G	7J07G	2000	111		I9L

ITEM 172					
251	041246	000000	041260		
7J07F	7J06F	2000	111		I9L

ITEM 172					
251	041300	000000	000000		
7J20B	7J21B	2020	37		I15L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
8J05A	8J30A	2070	79		I7L, 013H
7J20C	7J14C	2000	37		I5L

ITEM 172					
251	041300	346132	507201		
7J21C	7J20C	2000	37		I15L, 013H*014L, 013H
7J20D	7J19D	2013	37		I8L

ITEM 172					
251	041353	777700	777700		
7J06E	7J07E	2000	112		I9L

ITEM 172					
251	041353	777770	777770		
7J06F	7J07F	2000	111		I9L

ITEM 172					
251	041361	000400	000000		
4J29F	4J28F	2900	100,99		06H*08L,06H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		
ITEM 172					
251	041361	002000	000000		
4J28F	4J02F	2900	100		06H*08L,06H

ITEM 172					
251	041361	004000	000000		
4J28F	4J02F	2900	100		013H*015L,013H

ITEM 172					
251	041361	010000	000000		
4J30E	4J29E	2900	100		06H*08L,06H

ITEM 172					
251	041361	020000	000000		
4J30E	4J29E	2900	100		013H*015L,013H

ITEM 172					
251	041406	424242	000000		
3J05A	3J04A	2040	19		I8H

ITEM 172					
251	041417	424242	003535		
3J05C	3J07C	2920	19		I7L

ITEM 172					
251	041417	424242	353536		
4J04B	4J02B	2900	27		I9L,I14L,013L* 015H,015H
3J13A	3J11A	2060	27		013H,014H,I5L* I6L*I7L,I8L*I9L* I10L
3J16B	3J08B	2060	48,27,36		014L,I8H,I9H, I10H

ITEM 172					
251	042131	000000	000010		
3J16D	3J13D	2070	48		014L,I9H

ITEM 172					
251	042143	000000	000002		
3J02C	3J04C	2060	30,15,21		014L,I8H,I9H, I10H
3J22B	3J05B	2080	41		05L,I6H,I7H,I8H
3J24C	3J12C	2070	44,41,40,14		I6L,012H
3J05E	3J09D	2040	17		I7H,I8H
8J156	8J146	2050	24,120		I12L
3J23A	3J03E	2030	41		I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 172					
251	042166	000000	000000		
3J16A	3J13A	2060	48,28		I8L
3J05E	3J09D	2040	17		I7L

ITEM 172					
251	042166	000000	777777		
3J17B	3J16B	2060	47		014L, 18H, 19H, I10H
3J21A	3J19A	2160	44		I10L

ITEM 168					
261	063144	037757	000040	000000	
6J29B	6J27B	0400	143		I39H

ITEM 168					
261	063144	037767	000040	000000	
6J31B	6J29B	0400	143,147		I36H

ITEM 168					
261	063302	110160	XXXXXX	000000	
6J21A	6J22A	0651	165		I36H

ITEM 168					
261	063326	110360	377777	000000	
6J21A	6J22A	0651	165		I44L, I47L, I48L
6J21E	6J22E	0651	174		I54H

ITEM 168					
261	063532	110200	XXXXXX	000000	
6J38B	6J21B	0431	139		I48H

ITEM 172					
261	041353	400000	400000		
4J08A	4J07A	2040	84		I&L

ITEM 172					
261	041361	400000	000000		
4J28E	4J02E	2900	100		013H*015L, 013H
4J05A	4J06A	2040	110		I11L, I14L

ITEM 172					
261	041406	424242	777777		
4J10D	4J11D	2070	84, 101, 82		011L, I5H

ITEM 168					

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT
266	6J30A	040777	6J29A	000000	0651	000400	161	000000	I44H

ITEM 168									
266	7J21F	042651	7J20F	000000	2020	161616	36	000000	I8L

ITEM 168									
266	7J25C	042651	7J24C	000000	2020	343434	37	000000	I15L, I5H, I6H, I7H, I8H, I9H, I10H, I11H* I12L, I13L* I14L* I15L, 011H I9H, I10H
266	7J21C		7J20C		2000		37		

ITEM 168									
266	7J19A	042651	7J18B	000000	2030	434343	37	000000	I9L

ITEM 168									
266	7J19A	042651	7J18B	000000	2030	616161	37	000000	I8L

ITEM 168									
266	6J27B	063144	6J25B	037772	0400	000002	139, 142	000000	I30H

ITEM 168									
266	6J27B	063144	6J25B	037775	0400	XXXXXX	139, 142	000000	I29H

ITEM 168									
266	6J23A	063302	6J22A	110160	0651	XXXXXX	164	000000	I36H

ITEM 168									
266	6J30A	063302	6J29A	110200	0651	XXXXXX	161	000000	I48H, I36L
	6J26A		6J25A		0651		163		I36L
	6J28A		6J27A		0651		162		I36L

ITEM 168									
266	6J26A	063302	6J25A	110360	0651	XXXXXX	163	000000	I40H, I42H, I44H, I52L
	6J28A		6J27A		0651		162		I40H, I42H, I52L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT
	6J30A		6J29A		0651		161		I40H, I42H, I52L

ITEM 168									
266		063326		110360	677777			000000	
	6J23A		6J22A		0651		164		I44L, I47L, I48L
	6J23E		6J22E		0651		173		I54H

ITEM 172									
266		041300		346132	507201				
	8J05A		8J30A		2070		79		I9L, I14H
	7J21C		7J20C		2000		37		I5H, I6H

ITEM 172									
266		041406		000000	000000				
	6J17C		6J15C		0761		136, 137, 175		052H
	8J07C		8J06C		2050		80		I14L

ITEM 168									
283		063144		037774	000004			000000	
	6J34B		6J32B		0400		140, 142		I27L, I29L, I30L

ITEM 168									
283		063326		110360	757777			000000	
	6J25A		6J24A		0651		163		I44L, I48L
	6J25E		6J24E		0651		172		I54H

ITEM 172									
283		041237		707070	000000				
	6J25A		6J24A		0651		163		I53H
	6J21C		6J19C		0761		135, 136, 138, 175		I32L
	8J04F		8J03F		2050		113		I12L, I10H, I11L*
									I12L, I13L* I14L*
									I15L
	7J07B		7J06B		2000		113		I9H, I10H
	8J06F		8J07F		2050		81		I7H, I6H

ITEM 172									
283		041353		020000	020000				
	4J09B		4J08B		2040		84		I8L

ITEM 172									
283		041361		020000	000000				
	4J06B		4J05B		2040		110		I11L, I14L

ITEM 172									
283		041406		424242	777777				
	4J11C		4J21C		2070		83, 84		014L, I9H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-40. SECONDARY ISOLATION TABLE FOR TABLE 8-11
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	CE	FAULT
LOC	SWAP	TYPE	PLATE		

ITEM 168					
338	063302	110160	XXXXXX	000000	
6J38A	6J37A	0651	157		I36H

ITEM 168					
338	063326	110360	777773	000000	
6J36A	6J35A	0651	158		I44L,I48L
6J35E	6J34E	0651	167		154H
6J36E	6J37E	0651	167		154H

ITEM 172					
338	041003	000000	000000		
6J13C	6J15C	0761	137,175		I25L,I28L,052L
6J35E	6J34E	0651	167		I53H
6J36E	6J37E	0651	167		I53H
8J04B	8J03B	2050	111		I5L,09H,I5L*I6L, I7L*I8L
8J07A	8J06A	2050	79		I13H,I14H,I15H
7J08G	7J07G	2000	111		I9H,I10H

ITEM 172					
338	041246	000000	041241		
3J04B	3J03B	2920	21		I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-41. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			

LOCATE SYMPTOM, THEN ITEM, THEN DATA						

ITEM 105						
2	000066	000000	000000	02	X000	
4J32A	4J30A	2900	89			06H*08L,06H
4J33A	4J34A	2900	102			06H*08L,06H

ITEM 106						
2	000067	000000	000000	02	X000	
4J04B	4J02B	2900	27			15L, I12L, I14H, 06L*08H, 013H* 015L, 17L*15L* I14L, I10L*I12L* I9L, 08H, 013H
7J20G	7J21G	2020	35			18L, I9L, I13H, I14H, I15H, 011L* 012H, 15L*I6L* I7L, I8L*I9L* I10L, G12H
4J03B	4J02D	2013	05, 17			15H, I6H, 013H* 014H*015H
7J02D	7J03D	2013	06			I7H, I8H, I9H
7J20F	7J21F	2020	35			I15L, 15H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
4J17D	4J16D	2013	19			I5H, 013H*014H* 015H
4J18D	4J19D	2013	19			I7L, 010L*011L* 012L
4J20F	4J11F	2920	94			I5L, I9L, I11L, 015H, I11L*I12L* I13L, 15L*I6L* I7L, I8L*I9L* I10L
3J13A	3J16A	2060	27			015L, I11H, I12H
4J04C	4J03C	2060	27, 38			I5L, 013H, I5L* I6L*I7L
4J26A	4J24A	2070	98, 93, 96			I6L, 012H
7J19E	7J16E	2070	35, 36, 52			I10L, 015H
4J22E	4J21E	2920	93			015L, I11H, I12H, I13H, I14H
4J27B	4J26B	2050	93, 96			09L, I5H, I6H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-41. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
7J19D	7J18D	2013	06			16H
3J05C	3J07C	2920	19			015H, I11L* I12L* I13L, I5L* I6L* I7L, I8L* I9L* I10L
3J13G	3J07G	2920	35			015L, I5H, I6H, I7H
3J06E	3J04E	2060	24, 19			I11H, I12H
3J11A	3J06A	2060	27, 30			013H, I5L* I6L* I7L
3J05B	3J22B	2080	19			09H, I10L* I11L* I12L* I13L* I14L* I15L
4J25A	4J10A	2040	93			015L, I9H
3J02B	3J06B	2060	21, 18			I5L
3J28A	3J10A	2050	27			09L

ITEM 106						
2	000071	000000	000000	02	X000	
4J19A	4J18A	2000	87			I5L

ITEM 106						
2	000076	000000	000000	02	X000	
4J21F	4J24F	2070	94			011L, I5H

ITEM 108						
2	000070	000304	000304	02	X000	
4J22G	4J21G	2050	94			I12L, I13L, 010H, I11L* I12L, I13L* I14L* I15L
4J32A	4J30A	2900	89			I12H
4J33A	4J34A	2900	102			I12H

ITEM 106						
3	000067	000000	000000	02	X000	
4J16A	4J15A	2000	85			I15L, I9H, I10H, 013H* 014L, 013H
3J30D	3J28D	2900	13			I9L

ITEM 106						
3	000501	000000	000000	02	X000	
3J30G	3J23G	2070	03			013L, I7H

ITEM 360						
3					X	
8J17E	8J16E	2000	116			I11H, I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-41. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
ITEM 233						
8	000000	000000	000000	01	X004	
7J03E	7J04E	2060	50			I6L,014L,015L, I8H,I9H,I10H, I11H,I12H,013H, I5L*I6L*I7L
7J13D	7J12D	2013	50			I7H,I8H,I9H, 010H*011H*012H
7J16F	7J15F	2060	28,49			I12L,015H,I11L* I12L
7J12A	7J14A	2900	50			I5L,I14H
3J26F	3J12F	2050	14,12			09L,I7H,I8H
7J03D	7J02D	2013	06			013H*014H*015H
7J14D	7J15D	2013	49			I8L
7J02E	7J28C	2160	50			014L,I5H
7J17G	7J13G	2050	49,51			I14L

ITFM 233						
8	000000	000000	000065	01	X004	
2J02A	2J07A	2060	58,65A			I5L*I6L*I7L

ITEM 233						
8	000000	000000	140000	01	X004	
7J17F	7J18F	2030	49			011L,I12H,I13H, I14H,I15H

ITEM 233						
8	000000	000000	777777	01	X004	
3J27C	3J26C	2060	14			I5L,013H,I5L* I6L*I7L

ITEM 103						
48	000000	000000	000000	02	X000	
7J18D	7J15D	2013	06			I7H,I8H,I9H, 010H*011H*012H
7J24D	7J25D	2013	37			I8L,I5H,I6H, 010L*011L*012L
7J22C	7J19C	2060	37			013L,I5H,I6H, I7H,013H,I5L* I6L*I7L
7J24A	7J21A	2020	37			I6L,I15H,012H
7J20D	7J19D	2013	37			010H*011H*012H
7J21D	7J19D	2013	37			I5L
7J20A	7J11A	2000	37			I10L,I15H
7J25A	7J31A	2020	37			I6L,I5L*I6L*I7L
7J25B	7J31B	2020	37			I14H,012H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-41. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
7J23B	7J13B	2050	37,54			09L,16H
7J20C	7J14C	2060	37			110L
7J21C	7J06E	2000	37			110L
7J24B	7J21B	2020	37			16L
7J24C	7J05C	2020	37			115H
7J25C	7J30C	2020	37			17L

ITEM 103						
48	000000	000000	505640	02	X600	
7J23B	7J13B	2050	37,54			15H,17H,18H

ITEM 103						
48	000000	000000	777777	02	X600	
7J24B	7J31B	2020	37			15L,17L,19L, 110L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
7J25C	7J30C	2020	37			15L,16L,19L, 110L,113H,114H, 115H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
7J22B	7J05B	2070	37			011L,012L,014L, 15H,16H,19H
7J24C	7J04C	2020	37			16L,17L,113H, 114H,011L*012H, 15L*16L*17L,18L* 19L*110L,012H
7J25A	7J31A	2020	37			17L,110L,113H, 114H,115H,011L* 012H,18L*19L* 110L,012H
7J25B	7J31B	2020	37			16L,17L,110L, 113H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L
7J24A	7J03A	2020	37			17L,110L,113H, 114H,011L*012H, 15L*16L*17L,18L* 19L*110L
7J05C	7J04C	2020	28			113H,114H,115H
7J05E	7J21E	2020	28			011H*012L,113L* 114L*115L,011H
7J20B	7J31B	2020	37			110L
7J21A	7J03A	2020	37			110L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-41. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC SETUP, TRANSFER, NO DETECT)

SYMPTOM	P	AL	Z1	MODE	CHAN4	FAULT
LOC	SWAP	TYPE	PLATE			
7J21B	7J31B	2020	37			I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-42. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP		TYPE	PLATE		

LOCATE SYMPTOM, THEN ITEM, THEN MSG (LOOP, HALT, FAULT), THEN DATA						

ITEM 151						
3	FAULT	040707	000000	000000	000000	
8J17E	8J16E	2000	116			I15L,013H*014L, 013H

ITEM 151						
3	HALT	040707	000000	000000	000000	
3J20D	3J19D	2013	45			I6L,013L*014L* 015L
3J24F	3J28F	2900	40			I12H,06H*08L, 06H
3J23B	3J21B	2060	41			I6L,013H,I5L* I6L*I7L
3J22F	3J08F	2070	41			012L,I6H
8J06B	8J02B	2070	79,80			I5L,011H
7J05C	7J04C	2020	28			I7L
3J26F	3J12F	2050	14,12			I15L
8J07C	8J06C	2050	80			09L

ITEM 167						
48	HALT	042617	777777	000000	000000	
7J21G	7J20G	2020	36			I14L

ITEM 167						
48	HALT	042617	777777	777777	000000	
7J21G	7J20G	2020	36			I5H,I6H,I7H, 011H*012L,I13L* I14L*I15L,011H
7J19E	7J16E	2070	35,36,52			I6L,012H

ITEM 171						
48	FAULT	000001	424242	000000	000000	
3J25A	3J24A	2013	15			010L*011L*012L

ITEM 171						
48	HALT	041270	000000	000000	000000	
7J21F	7J20F	2020	36			I15L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
7J05E	7J21E	2020	28			I13L,I5H,I6H, I7H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-42. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP		TYPE	PLATE		
3J20G	3J16G		2070	8,45		I9L,014H
7J19E	7J16E		2070	35,36,52		I5L,011H
7J19D	7J18D		2013	06		010L*011L*012L
3J07G	3J13G		2920	36		015L,I8H,I9H, I10H
7J05C	7J24C		2020	28		I5L,I6L
7J16G	7J33B		2080	28,49		05H,I6L*I7L*I8L
3J14B	3J15B		2930	10,11		I14L
7J04C	7J24C		2020	28		I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-43. SECONDARY ISOLATION TABLE FOR TABLE 8-12
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL			
LOC	SWAP	TYPE	PLATE			FAULT

LOCATE SYMPTOM, THEN ITEM, THEN DATA

ITEM 168						
3	045246	000000	001000			
	8J07C	8J06C	2050	80		15H, I6H

ITEM 168						
48	042635	000000	000000			
	7J19A	7J18B	2030	37		I13L

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TABLE 8-44. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC LOOP, HALT, FAULT)

SYMPTOM	MSG	P	AU	AL	CE	FAULT
LOC	SWAP		TYPE	PLATE		

LOCATE SYMPTOM, THEN ITEM, THEN MSG (LOOP, HALT, FAULT), THEN DATA						

ITEM 167						
318	FAULT	045016	000000	000000	000000	
4J13G	4J04G	2050	33			I11L

ITEM 167						
318	FAULT	045016	777777	000000	000000	
4J13G	4J04G	2050	33			I13L,010H,I11L* I12L,I13L*I14L* I15L
4J26F	4J24F	2070	91,94,100			011L,15H
4J34G	4J27G	2050	33			010H,111L*I12L, I13L*I14L*I15L
4J30G	4J29G	2900	99			I5H

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TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	PLATE	FAULT
LOC	SWAP	TYPE			

LOCATE SYMPTOM, THEN ITEM, THEN DATA					

ITEM 168					
211	045246	000000	000000		
3J04D	3J13D	2070		20,07,18	15L,011H

ITEM 168					
211	045246	000001	777000		
4J26A	4J24A	2070		98,93,96	15L,011L,15H, 011H
4J28C	4J02C	2900		97	15L,15H
4J13A	4J11A	2920		33	015L,015H,111L* 112L*113L,15L* 16L*17L,18L*19L* 110L

ITEM 168					
211	045246	000002	777000		
4J28C	4J02C	2900		97	114L,114H

ITEM 168					
211	045246	000004	777000		
4J29C	4J28C	2900		97	15L,15H

ITEM 168					
211	045246	000010	777000		
4J29C	4J28C	2900		97	114L,114H

ITEM 168					
211	045246	000020	777000		
4J30C	4J29C	2900		97	15L,15H

ITEM 168					
211	045246	000040	777000		
4J30C	4J29C	2900		97	114L,114H
4J17B	4J16B	2000		87	18L

ITEM 168					
211	045246	000100	777000		
4J28B	4J04B	2900		97	15L,15H

ITEM 168					
211	045246	000200	777000		
4J28B	4J04B	2900		97	114L,114H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL			
LOC	SWAP	TYPE	PLATE	FAULT		

211	ITEM 168 045246	000400	777000			
	4J29B	4J28B	2900	97,98	I5L,I5H	

211	ITEM 168 045246	001000	777000			
	4J29B	4J28B	2900	97,98	I14L,I14H	

211	ITEM 168 045246	002000	777000			
	4J30B	4J29B	2900	98	I5L,I5H	

211	ITEM 168 045246	004000	777000			
	4J30B	4J29B	2900	98	I14L,I14H	

211	ITEM 168 045246	010000	777000			
	4J28A	4J29A	2900	98	I5L,I5H	

211	ITEM 168 045246	020000	777000			
	4J28A	4J29A	2900	98	I14L,I14H	

211	ITEM 168 045246	040000	777000			
	4J29A	4J28A	2900	98	I5L,I5H	

211	ITEM 168 045246	077777	000000			
	4J04A	4J21A	2070	47,33	013L,I7H	
	4J34G	4J27G	2050	33	I14L	

211	ITEM 168 045246	100000	777000			
	4J29A	4J28A	2900	98	I14L,I14H	

211	ITEM 168 045246	200000	777000			
	4J30A	4J29A	2900	98	I5L,I5H	

211	ITEM 168 045246	400000	400000			
	4J04A	4J21A	2070	47,33	012L,I6H	
	4J13A	4J11A	2920	33	I12L	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL			
LOC	SWAP	TYPE	PLATE	FAULT		
ITEM 168						
211	045246	400000	777000			
4J30A	4J29A	2900	98	I14L,I14H		

ITEM 168						
211	045246	707070	707070			
3J04C	3J02C	2060	20	013L,I5H,I6H, I7H		
3J18A	3J16A	2060	47	014H,I8L*I9L* I10L		

ITEM 168						
211	045246	707070	707077			
4J34G	4J27G	2050	33	I11H,I12H		

ITEM 168						
211	045246	707077	707077			
4J13A	4J11A	2920	33	I5H,I6H,I7H		

ITEM 168						
211	045246	776000	776000			
4J13A	4J11A	2920	33	I6L,I9L		

ITEM 168						
211	045246	776001	776000			
4J34G	4J27G	2050	33	I11L		

ITEM 168						
211	045267	000000	000000			
4J19D	4J18D	2013	19	I7H,I8H,I9H, 010H*011H*012H		
4J30D	4J29D	2013	20	I7H,I8H,I9H, 010H*011H*012H		

ITEM 168						
211	045267	000001	777000			
4J19A	4J18A	2000	87	I8L,I7H,I8H		

ITEM 168						
211	045267	000002	777000			
4J18A	4J17A	2000	87	I8L,I7H,I8H		

ITEM 168						
211	045267	000004	777000			
4J17A	4J16A	2000	87	I8L,I7H,I8H		

ITEM 168						

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL			
LOC	SWAP	TYPE	PLATE	FAULT		
211	045267	000010	777000			
4J19B	4J18B	2000	87	18L,17H,18H		

ITEM 168						
211	045267	000020	777000			
4J18B	4J17B	2000	87	18L,17H,18H		

ITEM 168						
211	045267	000040	777000			
4J17B	4J16B	2000	87	17H,18H		

ITEM 168						
211	045267	000100	777000			
4J19C	4J18C	2000	87	18L,17H,18H		

ITEM 168						
211	045267	000200	777000			
4J18C	4J17C	2000	87	18L,17H,18H		

ITEM 168						
211	045267	000400	777000			
4J17C	4J16C	2000	87	18L,17H,18H		

ITEM 168						
211	045267	001000	777000			
4J19E	4J18E	2000	88	18L,17H,18H		

ITEM 168						
211	045267	002000	777000			
4J18E	4J17E	2000	88	18L,17H,18H		

ITEM 168						
211	045267	004000	777000			
4J17E	4J16E	2000	88	18L,17H,18H		

ITEM 168						
211	045267	010000	777000			
4J19F	4J18F	2000	88	18L,17H,18H		

ITEM 168						
211	045267	020000	777000			
4J18F	4J17F	2000	88	18L,17H,18H		

ITEM 168						
211	045267	040000	777000			
4J17F	4J16F	2000	88	18L,17H,18H		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL			
LOC	SWAP	TYPE	PLATE	FAULT		
ITEM 168						
211	045267	100000	777000			
4J19G	4J18G	2000	88	18L,17H,18H		

ITEM 168						
211	045267	200000	777000			
4J18G	4J17G	2000	88	18L,17H,18H		

ITEM 168						
211	045267	400000	777000			
4J17G	4J16G	2000	88	18L,17H,18H		

ITEM 168						
211	045267	777777	777777			
4J19D	4J18D	2013	19	17L		
4J30D	4J29D	2013	20	19L		
3J03F	3J16F	2030	20	113L		

ITEM 172						
211	041353	001400	001400			
4J29B	4J28B	2900	97,98	110L,111L		

ITEM 172						
211	041361	000000	000000			
4J28A	4J32A	2900	98	06H*08L,013H*		
				015L,06H,013H		
4J28B	4J04B	2900	97	06H*08L,013H*		
				015L,06H,013H		
4J30C	4J32C	2900	97	06H*08L,013H*		
				015L,06H,013H		
4J28C	4J02C	2900	97	013H*015L,013H		
4J29A	4J32A	2900	98	06H*08L,06H		
4J29C	4J02C	2900	97	013H*015L,013H		
4J30A	4J32A	2900	98	06H*08L,06H		
4J30B	4J29B	2900	98	013H*015L,013H		

ITEM 168						
318	063302	110100	XXXXXX			
6J25A	6J24A	0651	163	148H		

ITEM 172						
318	041221	000000	000000			
4J31E	4J12E	2030	100	010L,011L,15H,		
				16H,17H,18H,19H,		
				112H,113H,114H,		
				115H		
4J31F	4J35E	2030	99	15H,16H,17H,18H,		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-45. SECONDARY ISOLATION TABLE FOR TABLE 8-14
(IC PROGRAM STOP)

SYMPTOM	P	AU	AL	PLATE	FAULT
LOC	SWAP	TYPE			
3J12G	3J10G	2050		29	I9H, I12H, I13H, I14H, I15H
4J35B	4J35C	2220		29	I8L, O10L, O9H, I13H, I14H, I15H, I5L*I6L, I7L*I8L
3J11F	3J10F	2050		29	I6L, I7L, I8L, I9L, O14H, I6L*I7L*
3J11E	3J08E	2920		29	I8L O10L, I13H, I14H, I15H I8L

ITEM 172					
318	041226	000000	707070		
3J23B	3J21B	2060		41	I9L

ITEM 172					
318	041226	707070	707071		
3J23B	3J21B	2060		41	I7L

ITEM 172					
318	041423	424242	000000		
3J12E	3J24E	2900		29	I11L

ITEM 172					
318	042131	000000	777777		
3J06B	3J02B	2060		17	O15L, I11H, I12H
3J16B	3J08B	2060		48, 27, 36	I6L, O13H, I5L* I6L*I7L
3J18A	3J16A	2060		47	O15L, I11H, I12H

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM LOC	B SWAP	K MODE	ICR SR TYPE	FII PLATE	FUNC	SEQ FAULT

LOCATE SYMPTOM, THEN DATA.						

1	000000	00	01	0	00	0400
3J03C	3J06C		2070	07,11,21,18		015L,110H
3J33B	3J32B		2920	03		I11L

1	000000	00	02	0	00	0000
7J34D	*****		2100	31		I10L,I5L
7J33D	*****		2100	31		I10L,I5L
7J32D	*****		2100	31		I10L,I5L
8J05D	8J05E		2930	121		013L*015H,I9L* I10L,015H
7J26F	7J24F		2020	54		I13L,011H*012L, I13L*I14L*I15L, 011H
7J30C	7J25C		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
7J31A	7J25A		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
7J31B	7J25B		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
7J31C	7J25C		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
7J32B	7J04C		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
7J32C	7J29D		2020	31		011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
3J24A	3J22A		2013	15		010L*011L*012L
8J04C	8J05C		3490	121		I5L

1	000000	00	02	0	00	0001
3J28F	3J24F		2900	12		013L*015H,015H

1	000000	00	02	0	00	0002
3J28E	3J24E		2900	12		013L*015H,015H

1	000000	00	02	0	00	0004

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ					
LOC	SWAP	TYPE	PLATE	FAULT									
1	3J28D	3J24D	2900	12	013L*015H,015H								
1	3J28B	3J30B	2900	12	000000	00	02	0	00	0	00	0020	013L*015H,015H
1	3J28F	3J24F	2900	12	000000	00	02	0	00	0	00	0040	06L*08H,08H
1	3J28F	3J24F	2900	12	000000	00	02	0	00	0	00	0041	I7L*I5L*I14L, I10L*I12L*I9L
1	3J28E	3J24E	2900	12	000000	00	02	0	00	0	00	0100	06L*08H,08H
1	3J28E	3J24E	2900	12	000000	00	02	0	00	0	00	0102	I7L*I5L*I14L, I10L*I12L*I9L
1	3J28D	3J24D	2900	12	000000	00	02	0	00	0	00	0200	06L*08H,08H
1	3J28D	3J24D	2900	12	000000	00	02	0	00	0	00	0204	I7L*I5L*I14L, I10L*I12L*I9L
1	3J15C	3J326	2930	08,09	000000	00	02	0	00	0	00	0400	I9L,I12L,I5H, I7H,I10L*I12L, 08H*06L,013L* 015H,I9L*I10L, 06H,015H
1	3J14B	3J326	2930	10,11	000000	00	02	0	00	0	00	0400	I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H
1	3J15B	3J326	2930	08,09	000000	00	02	0	00	0	00	0400	I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H, 015H
1	3J15D	3J326	2930	08,09	000000	00	02	0	00	0	00	0400	I9L,I5H,I7H, I10L*I12L,08H* 06L,013L*015H, I9L*I10L,08H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM LOC	B SWAP	K MODE TYPE	ICR SR PLATE	FII FUNC	SEQ FAULT
3J15E	3J32G	2930	08,09		015H I9L, I5H, I7H, I10L*I12L, 08H* 06L, 013L*015H, I9L*I10L, 08H, 015H
3J34C	8J28A	3640	04		I7L, I11L, 012L, 014L, I5H, I9H, 013H, 015H
3J14C	3J32G	2930	10,11		I5H, I7H, I10L* I12L, 08H*06L, 013L*015H, I9L* I10L, 08H, 015H
3J32E	3J25E	2013	04,05		I5H, I6H, I7H, I8H
3J14D	3J32G	2930	10,11		I12L, I5H, I10L* I12L, 08H*06L, 08H
3J14E	3J32G	2930	10,11		I12L, I5H, I10L* I12L, 08H*06L, 08H
3J33D	3J11D	2020	04		I13L, I14L, I8H, I9H, I10H, 011H* 012L, I13L*I14L* I15L, 011H
3J34D	3J09E	2020	04		I14L, I8H, I9H, I10H, I14H, I13L* I14L*I15L, I5L* I6L*I7L, 012H
3J27E	3J26E	2060	12,14		I11L, 014L, I8H, I9H, I10H, 015H, I11L*I12L
3J13E	3J22E	2013	05,29		I5H, I6H, 013H* 014H*015H
3J30G	3J23G	2070	03		I5L, 014L, I9H, 011H
3J35F	3J27F	2070	04		I6L, I9L, 012H, 014H
7J28B	7J22B	2070	07,30,53		I7L, I9L, 013H, 014H
3J28C	3J30C	2900	12		I7L, I11L, 06L* 08H, 08H
3J34F	3J33F	2060	04		014L, I5H, I8H, I9H, I10H
3J35A	8J25A	2120	04		I8L, 013L, I15L, I8H, 013H
3J10D	3J20D	2013	07		I5L, 013L*014L* 015L

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
3J27D	3J25D		2013		12			I7L,010L*011L*012L
3J29D	3J25D		2013		12,13			I5L,013L*014L*015L
3J32D	3J22E		2013		05			I5H,I8H
3J35E	3J34E		2013		04			I9H,010H*011H*012H
3J10E	3J06E		2060		03,30			013L,I5H,I6H
3J12A	3J14A		2070		03,07,09,53			I10L,015H
3J12C	3J06C		2070		47,11,30			013L,I7H
3J32C	3J24C		2070		03,14			I10L,015H
3J34A	3J28A		2050		03,04			09L,I5H,I6H
7J27B	7J23B		2050		07,34			010L,I11H,I12H
7J32E	7J13E		2050		07,52			09L,I5H,I6H
7J33A	7J30A		2090		07			010L,I5H
3J15F	3J23F		2013		08,09			010L*011L*012L
3J19D	3J20D		2013		05			I7H
3J32F	3J21F		2060		03,04			015H,I11L*I12L

1	000000	00	02	0	00	0	00	1000
3J28B	3J30B		2900		12			06L*08H,08H

1	000000	00	02	0	00	0	00	1020
3J28B	3J30B		2900		12			I7L*I5L*I14L, I10L*I12L*I9L

1	000000	00	02	0	00	0	01	0000
3J24G	3J28F		2900		40			013L*015H,015H

1	000000	00	02	0	00	0	02	0000
3J24G	3J28F		2900		40			06L*08H,08H

1	000000	00	02	0	00	0	03	0000
3J24G	3J28F		2900		40			I7L*I5L*I14L, I10L*I12L*I9L

1	000000	00	02	0	00	0	04	0000
3J24F	3J28F		2900		40			013L*015H,015H

1	000000	00	02	0	00	0	10	0000
3J24F	3J28F		2900		40			06L*08H,08H

1	000000	00	02	0	00	0	14	0000
3J24F	3J28F		2900		40			I7L*I5L*I14L, I10L*I12L*I9L

1	000000	00	02	0	00	0	20	0000

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
3J24E	3J12E	2900	40	013L*015H,015H				
1	000000	00	02	0	00	0	40	0000
3J24E	3J12E	2900	40	06L*08H,08H				
1	00000C	00	02	0	00	0	60	0000
3J24E	3J12E	2900	40	17L*15L*114L, 110L*112L*19L				
1	000000	00	02	0	00	1	00	0000
3J24D	3J12D	2900	40	15L,112L,06L* 08H,17L*15L* 114L,110L*112L* 19L,08H 010L*011L*012L				
3J23E	3J22E	2013	40,43					
1	000000	00	02	0	01	0	00	0000
4J02G	4J28G	2900	39	06L*08H,08H				
1	000000	00	02	0	02	0	00	0000
4J02G	4J28G	2900	39	013L*015H,015H				
1	000000	00	02	0	03	0	00	0000
4J02G	4J28G	2900	39	17L*15L*114L, 110L*112L*19L				
1	000000	00	02	0	04	0	00	0000
4J02F	4J28F	2900	39	06L*08H,08H				
1	000000	00	02	0	10	0	00	0000
4J02E	4J28E	2900	39	06L*08H,17L*15L* 114L,110L*112L* 19L,08H				
1	000000	00	02	0	20	0	00	0000
4J02F	4J28F	2900	39	013L*015H,015H				
1	000000	00	02	0	24	0	00	0000
4J02F	4J28F	2900	39	17L*15L*114L, 110L*112L*19L				
1	000000	00	02	1	00	0	00	0000
4J02C	4J28C	2900	39	06L*08H,08H				
1	000000	00	02	2	00	0	00	0000
4J02C	4J28C	2900	39	013L*015H,015H				

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	000000 4J02C	00	02	3	00	0	00	0000 I7L*I5L*I14L, I10L*I12L*I9L
1	000000 4J02B	00	02	4	00	0	00	0000 06L*08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
1	000000 7J20C	01	02	0	00	0	00	0000 I9L,I11L,013L* 014H,I5L*I6L, I7L*I8L,I9L* I10L,I11L*I12L, 014H
1	000000 7J21C	02	02	0	00	0	00	0000 I7L,I9L,I11L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
1	000000 7J20B	04	02	0	00	0	00	0000 I9L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
1	000000 7J21B	10	02	0	00	0	00	0000 I9L,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
1	000000 7J20A	20	02	0	00	0	00	0000 I7L,I9L,I11L, 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
1	000000 7J20D 3J25E	22	02	0	00	0	00	0000 I5L,013L*014L* 015L 013L*014L*015L
1	000000 7J21A	40	02	0	00	0	00	0000 I9L,011L*012H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
1	000000	76	02	0	00	0	00	0000
7J21D	7J20D	2013	37	I6L		I5L*I6L*I7L,I8L* I9L*I10L,012H		
1	000000	77	02	0	00	0	00	0000
7J21D	7J20D	2013	37	013L*014L*015L				
1	000001	00	02	0	00	0	00	0000
8J17A	8J15A	2000	115	I7L,013L*014H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,014H				
8J08A	8J09A	2900	118	I12L,06L*08H, 08H				
3J30A	3J29A	2020	13	011H*012L				
1	000002	00	02	0	00	0	00	0000
8J18A	8J17A	2000	115	013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H				
8J08A	8J09A	2900	118	I9L,013L*015H, 015H				
1	000003	00	02	0	00	0	00	0000
8J08A	8J09A	2900	118	I7L,I7L*I5L* I14L,I10L*I12L* I9L				
1	000004	00	02	0	00	0	00	0000
8J19A	8J18A	2000	115	013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H				
8J09A	8J08A	2900	118	I12L,06L*08H, 08H				
7J02E	7J28C	2160	50	I7H				
1	000006	00	02	0	00	0	00	0000
3J29A	3J30A	2020	13	011H				
7J02E	7J28C	2160	50	I11H				
1	000007	00	02	0	00	0	00	0000
2J22C	2J34C	2030	62	010H				

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	000010	00	02	0	00	0	00	0000
8J17B	8J15B		2000		115			013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
8J09A	8J08A		2900		118			I9L, 013L*015H, 015H.
1	000011	00	02	0	00	0	00	0000
1J22A	1J12A		2030		64			I5L*I6L*I7L*I8L* I9L
7J02E	7J28C		2160		50			I12H
1	000012	00	02	0	00	0	00	0000
2J07B	2J06B		2060		66			013L
1J22D	1J34D		2030		61			I5L*I6L*I7L*I8L* I9L
2J12B	2J11B		2030		66			I7H
1	000014	00	02	0	00	0	00	0000
8J09A	8J08A		2900		118			I7L, I7L*I5L* I14L, I10L*I12L* I9L
3J29A	3J30A		2020		13			I13L*I14L*I15L
7J02E	7J28C		2160		50			I6H
1	000016	00	02	0	00	0	00	0000
0J22C	0J34C		2030		62			I5L*I6L*I7L*I8L* I9L
1J22C	1J34C		2030		62			010H
1	000017	00	02	0	00	0	00	0000
2J08B	2J09B		2900		66			015H
2J12B	2J11B		2030		66			I5H
1	000020	00	02	0	00	0	00	0000
8J18B	8J17B		2000		115			013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H
8J08B	8J09A		2900		118			I12L, 06L*08H, 08H
1	000021	00	02	0	00	0	00	0000
2J12B	2J11B		2030		66			I9H
2J22C	2J34C		2030		62			I5L*I6L*I7L*I8L* I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	000022	00	02	0	00	0	00	0000
7J02E	7J28C		2160		50			015L
1	000024	00	02	0	00	0	00	0000
0J12B	0J11B		2030		66			I9H
1	000027	00	02	0	00	0	00	0000
2J07B	2J06B		2060		66			I6H
1	000031	00	02	0	00	0	00	0000
2J22D	2J34D		2030		61			010H
1	000032	00	02	0	00	0	00	0000
2J14A	2J11A		2070		65A,66,69			I7L
3J29A	3J30A		2020		13			I13L
1	000034	00	02	0	00	0	00	0000
2J22A	2J12A		2030		64			010H
1	000035	00	02	0	00	0	00	0000
2J14A	2J11A		2070		65A,66,69			013H
1	000036	00	02	0	00	0	00	0000
1J22A	1J12A		2030		64			010H
1	000037	00	02	0	00	0	00	0000
0J07B	0J06B		2060		66			013L
1	000040	00	02	0	00	0	00	0000
8J19B	8J18B		2000		115			013L*014H, I5L* I6L, I7L*I8L, I9L* I10L, I11L*I12L, 014H I9L, 013L*015H, 015H
8J08B	8J09A		2900		118			
1	000041	00	02	0	00	0	00	0000
2J22A	2J12A		2030		64			I5L*I6L*I7L*I8L* I9L
1	000042	00	02	0	00	0	00	0000
7J02E	7J28C		2160		50			I13H
1	000043	00	02	0	00	0	00	0000
2J11A	2J14A		2070		56,57,60,66,69A			I9L
0J07B	0J06B		2060		66			I5H

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
2J12B 9J22A	2J11B 9J12A		2030 2030		66 64			I6H I5L*I6L*I7L*I8L* I9L
1	000045	00	02	0	00	0	00	0000
2J22B	2J12B		2030		63			010H
1	000046	00	02	0	00	0	00	0000
0J11A 3J29A 3J30A	0J14A 3J09B 3J09B		2070 2020 2020		56,57,60,66,69A 13 13			014H 011H*012L I13L*I14L*I15L
1	000050	00	02	0	00	0	00	0000
1J22D	1J34D		2030		61			010H
1	000051	00	02	0	00	0	00	0000
2J22B	2J12B		2030		63			I5L*I6L*I7L*I8L* I9L
2J22D	2J34D		2030		61			I5L*I6L*I7L*I8L* I9L
1	000056	00	02	0	00	0	00	0000
2J08B 2J12B	2J09B 2J11B		2900 2030		66 66			I9L 010L
1	000057	00	02	0	00	0	00	0000
2J11A 0J22A	2J14A 0J12A		2070 2030		56,57,60,66,69A 64			014H 010H
1	000060	00	02	0	00	0	00	0000
8J08B	8J09A		2900		118			I7L,I7L*I5L* I14L,I10L*I12L* I9L
9J22B	9J12B		2030		63			I5L*I6L*I7L*I8L* I9L
1	000062	00	02	0	00	0	00	0000
7J02E	7J28C		2160		50			I10H
1	000065	00	02	0	00	0	00	0000
2J07B 3J30A 1J22B	2J06B 3J29A 1J12B		2060 2020 2030		66 13 63			I7H 011H 010H
1	000066	00	02	0	00	0	00	0000
2J07B 1J22B	2J06B 1J12B		2060 2030		66 63			I5H I5L*I6L*I7L*I8L*

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
1	000071	00	02	0	00	0	00	0000
7J02E	7J28C	2160	50	I9L				
1	000074	00	02	0	00	0	00	0000
2J08B	2J09B	2900	66	013L*015H				
0J22D	0J34D	2030	61	010H				
1	000076	00	02	0	00	0	00	0000
2J12B	2J11B	2030	66	18H				
7J02E	7J28C	2160	50	18H				
1	000077	00	02	0	00	0	00	0000
0J08B	0J09B	2900	66	015H				
1	000100	00	02	0	00	0	00	0000
8J17C	8J15C	2000	116	013L*014H,15L*				
				16L,17L*18L,19L*				
				I10L,I11L*I12L,				
				014H				
8J08C	8J09C	2900	119	I12L,06L*08H,				
0J22C	0J34C	2030	62	08H				
				010H				
1	000123	00	02	0	00	0	00	0000
0J12B	0J11B	2030	66	15H				
1	000125	00	02	0	00	0	00	0000
0J22B	0J12B	2030	63	15L*16L*17L*18L*				
				19L				
1	000133	00	02	0	00	0	00	0000
9J22A	9J12A	2030	64	010H				
1	000137	00	02	0	00	0	00	0000
0J22D	0J34D	2030	61	15L*16L*17L*18L*				
				19L				
1	000144	00	02	0	00	0	00	0000
0J12B	0J11B	2030	66	16H				
1	000147	00	02	0	00	0	00	0000
0J22B	0J12B	2030	63	010H				
1	000154	00	02	0	00	0	00	0000
0J12B	0J11B	2030	66	17H				

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
1	000171	00	02	0	00	0	00	0000
9J22C	9J34C	2030	62	I5L*I6L*I7L*I8L*I9L				
1	000175	00	02	0	00	0	00	0000
0J12B	0J11B	2030	66	I8H				
1	000200	00	02	0	00	0	00	0000
8J18C	8J17C	2000	116	013L*014H,I5L*I6L,I7L*I8L,I9L*I10L,I11L*I12L,014H				
8J08C	8J09C	2900	119	I9L,013L*015H,015H				
1	000203	00	02	0	00	0	00	0000
0J14A	0J11A	2070	65A,66,69	013H				
1	000216	00	02	0	00	0	00	0000
9J22D	9J34D	2030	61	010H				
1	000222	00	02	0	00	0	00	0000
0J07B	0J06B	2060	66	I7H				
1	000223	00	02	0	00	0	00	0000
9J22C	9J34C	2030	62	010H				
1	000230	00	02	0	00	0	00	0000
0J08B	0J09B	2900	66	013L*015H				
1	000240	00	02	0	00	0	00	0000
0J11A	0J14A	2070	56,57,60,66,69A	I9L				
1	000243	00	02	0	00	0	00	0000
9J22D	9J34D	2030	61	I5L*I6L*I7L*I8L*I9L				
1	000245	00	02	0	00	0	00	0000
0J07B	0J06B	2060	66	I6H				
1	000252	00	02	0	00	0	00	0000
9J22B	9J12B	2030	63	010H				
1	000253	00	02	0	00	0	00	0000
0J22A	0J12A	2030	64	I5L*I6L*I7L*I8L*I9L				

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	000254 0J08B	00 0J09B	02 2900	0	00 66	0	00	0000 19L
1	000261 0J14A 0J12B	00 0J11A 0J11B	02 2070 2030	0	00 65A,66,69 66	0	00	0000 I7L 010L
1	000300 8J08C	00 8J09C	02 2900	0	00 119	0	00	0000 I7L,I7L*I5L* I14L,I10L*I12L* I9L
1	000400 8J19C 8J09C	00 8J18C 8J08C	02 2000 2900	0	00 116 119	0	00	0000 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H I12L,06L*08H, 08H
1	001000 8J17E	00 8J16E	02 2000	0	00 116	0	00	0000 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H I9L,013L*015H, 015H
1	001400 8J09C	00 8J08C	02 2900	0	00 119	0	00	0000 I7L,I7L*I5L* I14L,I10L*I12L* I9L
1	002000 8J18E 8J08E	00 8J17E 8J09C	02 2000 2900	0	00 116 119	0	00	0000 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H I12L,06L*08H, 08H
1	004000 8J19E	00 8J18E	02 2000	0	00 116	0	00	0000 013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
8J08E	8J09C		2900		119			I9L,013L*015H, 015H
1	006000	00	02	0	00	0	00	0000
8J08E	8J09C		2900		119			I7L,I7L*I5L* I14L,I10L*I12L* I9L
1	010000	00	02	0	00	0	00	0000
8J17F	8J15F		2000		117			013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
8J08F	8J09F		2900		120			I12L,06L*08H, 08H
1	016061	00	02	0	00	0	00	0000
7J16G	7J33B		2080		28,49			09H
1	020000	00	02	0	00	0	00	0000
8J18F	8J17F		2000		117			013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
8J08F	8J09F		2900		120			I9L,013L*015H, 015H
1	030000	00	02	0	00	0	00	0000
8J08F	8J09F		2900		120			I7L,I7L*I5L* I14L,I10L*I12L* I9L
1	033767	00	02	0	00	0	00	0000
8J18D	8J17D		2013		25			013L*014L*015L
1	034533	00	02	0	00	0	00	0000
1J34D	1J22D		2030		62			I5L*I6L*I7L*I8L* I9L
1	034616	00	02	0	00	0	00	0000
1J34D	1J22D		2030		62			011H
1	034640	00	02	0	00	0	00	0000
1J34E	1J34D		2030		61			I12L*I13L*I14L
1	034726	00	02	0	00	0	00	0000
1J34E	1J34D		2030		61			010H

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
1	034727	00	02	0	00	0	00	0000
1J34D	1J22D	2030	62	010H				
1	035056	00	02	0	00	0	00	0000
1J34B	1J22B	2030	64	15L*16L*17L*18L*19L				
1	035105	00	02	0	00	0	00	0000
1J34C	1J22C	2030	63	011H				
1	035125	00	02	0	00	0	00	0000
1J34B	1J22B	2030	64	011H				
1	035143	00	02	0	00	0	00	0000
1J34E	1J34D	2030	61	011H				
1	035175	00	02	0	00	0	00	0000
1J34D	1J22D	2030	62	112L*113L*114L				
1	035220	00	02	0	00	0	00	0000
1J34B	1J22B	2030	64	112L*113L*114L				
1	035315	00	02	0	00	0	00	0000
1J34C	1J22C	2030	63	15L*16L*17L*18L*19L				
1	035336	00	02	0	00	0	00	0000
0J34E	0J34D	2030	61	011H				
1	035406	00	02	0	00	0	00	0000
0J34E	0J34D	2030	61	112L*113L*114L				
1	035526	00	02	0	00	0	00	0000
1J34C	1J22C	2030	63	010H				
1	035710	00	02	0	00	0	00	0000
0J34C	0J22C	2030	63	011H				
1	035726	00	02	0	00	0	00	0000
0J34D	0J22D	2030	62	011H				
1	036063	00	02	0	00	0	00	0000
0J34D	0J22D	2030	62	010H				
1	036126	00	02	0	00	0	00	0000
0J34E	0J34D	2030	61	15L*16L*17L*18L*				

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	036134	00	02	0	00	0	00	0000
	1J34B	1J22B	2030		64			010H
1	036175	00	02	0	00	0	00	0000
	0J34D	0J22D	2030		62			I5L*I6L*I7L*I8L*I9L
1	036331	00	02	0	00	0	00	0000
	0J08B	0J09B	2900		66			I7L*I5L*I14L
1	036446	00	02	0	00	0	00	0000
	2J08B	2J09B	2900		66			06L*08H
1	036452	00	02	0	00	0	00	0000
	0J34C	0J22C	2030		63			I5L*I6L*I7L*I8L*I9L
1	036502	00	02	0	00	0	00	0000
	2J34D	2J22D	2030		62			I5L*I6L*I7L*I8L*I9L
1	036561	00	02	0	00	0	00	0000
	0J34C	0J22C	2030		63			I12L*I13L*I14L
1	036565	00	02	0	00	0	00	0000
	2J08B	2J09B	2900		66			08H
1	036572	00	02	0	00	0	00	0000
	1J34E	1J34D	2030		61			I5L*I6L*I7L*I8L*I9L
1	036604	00	02	0	00	0	00	0000
	0J09B	0J08B	2900		66			06L*08H
1	036605	00	02	0	00	0	00	0000
	9J34B	9J22B	2030		64			I5L*I6L*I7L*I8L*I9L
1	036617	00	02	0	00	0	00	0000
	0J34B	0J22B	2030		64			010H
1	036624	00	02	0	00	0	00	0000
	0J34D	0J22D	2030		62			I12L*I13L*I14L
1	036634	00	02	0	00	0	00	0000

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
1	0J09A	0J07A	2060	65A,66,69A	I10H			
1	036651	00	02	0	00	0	00	0000
	2J08B	2J09B	2900	66				I7L*I5L*I14L
1	036657	00	02	0	00	0	00	0000
	9J34B	9J22B	2030	64				011H
1	036663	00	02	0	00	0	00	0000
	0J09A	0J07A	2060	65A,66,69A	014L			
1	036705	00	02	0	00	0	00	0000
	2J34B	2J22B	2030	64				011H
1	036724	00	02	0	00	0	00	0000
	2J09A	2J07A	2060	65A,66,69A	I8H			
1	037014	00	02	0	00	0	00	0000
	0J34B	0J22B	2030	64				011H
1	037030	00	02	0	00	0	00	0000
	9J34E	9J34D	2030	61				I12L*I13L*I14L
1	037036	00	02	0	00	0	00	0000
	0J11B	0J10B	2030	66				I5H
1	037037	00	02	0	00	0	00	0000
	0J34B	0J22B	2030	64				I12L*I13L*I14L
1	037061	00	02	0	00	0	00	0000
	2J09A	2J07A	2060	65A,66,69A	I9H			
1	037117	00	02	0	00	0	00	0000
	2J34B	2J22B	2030	64				I5L*I6L*I7L*I8L*I9L
1	037164	00	02	0	00	0	00	0000
	0J09B	0J08B	2900	66				08H
1	037261	00	02	0	00	0	00	0000
	2J34B	2J22B	2030	64				I12L*I13L*I14L
1	037321	00	02	0	00	0	00	0000
	2J34E	2J34D	2030	61				I5L*I6L*I7L*I8L*I9L
1	037322	00	02	0	00	0	00	0000

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
	2J34C	2J22C	2030	63				010H
1	037443	00	02	0	00	0	00	0000
	9J34D	9J22D	2030	62				010H
1	037445	00	02	0	00	0	00	0000
	0J11B	0J10B	2030	66				17H
1	037472	00	02	0	00	0	00	0000
	2J34D	2J22D	2030	62				I12L*I13L*I14L
1	037541	00	02	0	00	0	00	0000
	1J34C	1J22C	2030	63				I12L*I13L*I14L
1	037567	00	02	0	00	0	00	0000
	9J34C	9J22C	2030	63				011H
1	037575	00	02	0	00	0	00	0000
	2J11B	2J10B	2030	66				010L
1	037576	00	02	0	00	0	00	0000
	0J12A	0J04A	2030	66				16H
1	037636	00	02	0	00	0	00	0000
	2J11B	2J10B	2030	66				18H
	9J34D	9J22D	2030	62				011H
1	037640	00	02	0	00	0	00	0000
	2J11B	2J10B	2030	66				15H
1	037642	00	02	0	00	0	00	0000
	0J12A	0J04A	2030	66				16H
1	037715	00	02	0	00	0	00	0000
	2J08B	2J09B	2900	66				I10L*I12L*I19L
1	037723	00	02	0	00	0	00	0000
	2J08B	2J09B	2900	66				I12L
1	037732	00	02	0	00	0	00	0000
	9J34C	9J22C	2030	63				010H
1	037735	00	02	0	00	0	00	0000
	2J09A	2J07A	2060	65A,66,69A				I10H
1	040000	00	02	0	00	0	00	0000
	8J19F	8J18F	2000	117				013L*014H,I5L*

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
8J09F	8J08F	2900	120	I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H I12L,06L*08H, 08H				
1	040037	00	02	0	00	0	00	0000
	0J34E	0J34D	2030	61				010H
1	040073	00	02	0	00	0	00	0000
	2J12A	2J04A	2030	66				17H
1	040134	00	02	0	00	0	00	0000
	2J12A	2J04A	2030	66				19H
1	040147	00	02	0	00	0	00	0000
	0J12A	0J04A	2030	66				010L
1	040237	00	02	0	00	0	00	0000
	9J34C	9J22C	2030	63				I12L*I13L*I14L
1	040316	00	02	0	00	0	00	0000
	2J09B	2J08B	2900	66				I12L
1	040370	00	02	0	00	0	00	0000
	2J34C	2J22C	2030	63				I12L*I13L*I14L
1	040374	00	02	0	00	0	00	0000
	0J09B	0J08B	2900	66				I12L
1	040375	00	02	0	00	0	00	0000
	9J34C	9J22C	2030	63				I15L*I16L*I17L*I18L* I19L
1	040506	00	02	0	00	0	00	0000
	9J34B	9J22B	2030	64				I12L*I13L*I14L
1	040542	00	02	0	00	0	00	0000
	9J34B	9J22B	2030	64				010H
1	040571	00	02	0	00	0	00	0000
	2J11B	2J10B	2030	66				17H
1	040610	00	02	0	00	0	00	0000
	2J34E	2J34D	2030	61				011H
1	040645	00	02	0	00	0	00	0000

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP	TYPE	PLATE	FAULT				
2J34D	2J22D	2030	62	011H				
1	040666	00	02	0	00	0	00	0000
2J12A	2J04A	2030	66	18H				
1	040760	00	02	0	00	0	00	0000
0J34C	0J22C	2030	63	010H				
1	041110	00	02	0	00	0	00	0000
0J11B	0J10B	2030	66	18H				
1	041116	00	02	0	00	0	00	0000
9J34D	9J22D	2030	62	I12L*I13L*I14L				
1	041126	00	02	0	00	0	00	0000
2J34C	2J22C	2030	63	I5L*I6L*I7L*I8L*I9L				
1	041156	00	02	0	00	0	00	0000
2J34E	2J34D	2030	61	I12L*I13L*I14L				
1	041173	00	02	0	00	0	00	0000
2J09A	2J07A	2060	65A,66,69A	014L				
1	041213	00	02	0	00	0	00	0000
2J12A	2J04A	2030	66	15H				
1	041234	00	02	0	00	0	00	0000
0J11B	0J10B	2030	66	19H				
1	041362	00	02	0	00	0	00	0000
9J34E	9J34D	2030	61	011H				
1	041472	00	02	0	00	0	00	0000
0J11B	0J10B	2030	66	010L				
1	041650	00	02	0	00	0	00	0000
0J11B	0J10B	2030	66	16H				
1	041733	00	02	0	00	0	00	0000
2J34B	2J22B	2030	64	010H				
1	042022	00	02	0	00	0	00	0000
0J08B	0J09B	2900	66	08H				
1	042032	00	02	0	00	0	00	0000
2J11B	2J10B	2030	66	19H				

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE			PLATE	FAULT	
1	042036	00	02	0	00	0	00	0000
	0J09A	0J07A	2060			65A,66,69A	I9H	
1	042165	00	02	0	00	0	00	0000
	9J34E	9J34D	2030			61	I5L*I6L*I7L*I8L*I9L	
1	042453	00	02	0	00	0	00	0000
	0J34B	0J22B	2030			64	I5L*I6L*I7L*I8L*I9L	
1	042460	00	02	0	00	0	00	0000
	2J34E	2J34D	2030			61	010H	
1	042730	00	02	0	00	0	00	0000
	0J12A	0J04A	2030			66	I9H	
1	042767	00	02	0	00	0	00	0000
	2J34C	2J22C	2030			63	011H	
1	043057	00	02	0	00	0	00	0000
	9J34D	9J22D	2030			62	I5L*I6L*I7L*I8L*I9L	
1	043202	00	02	0	00	0	00	0000
	2J12A	2J04A	2030			66	I6H	
1	043231	00	02	0	00	0	00	0000
	2J09B	2J08B	2900			66	06L*08H	
1	043364	00	02	0	00	0	00	0000
	2J11B	2J10B	2030			66	I6H	
1	043436	00	02	0	00	0	00	0000
	0J09A	0J07A	2060			65A,66,69A	I8H	
1	044423	00	02	0	00	0	00	0000
	9J34E	9J34D	2030			61	010H	
1	044507	00	02	0	00	0	00	0000
	2J12A	2J04A	2030			66	010L	
1	044632	00	02	0	00	0	00	0000
	0J08B	0J09B	2900			66	06L*08H	
1	044773	00	02	0	00	0	00	0000

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE			PLATE		FAULT
	2J09B	2J08B	290G			66		08H
1	045754	00	02	0	00	0	00	0000
	2J34D	2J22D	203G			62		010H
1	047340	00	02	0	00	0	00	0000
	0J08B	0J09B	290G			66		112L
1	054146	00	02	0	00	0	00	0000
	7J16G	7J33B	208G			28,49		I10L*I11L*I12L* I13L*I14L*I15L
1	054624	00	02	0	00	0	00	0000
	0J08B	0J09B	290G			66		110L*112L*19L
1	061676	00	02	0	00	0	00	0000
	0J12A	0J04A	203G			66		17H
1	075674	00	02	0	00	0	00	0000
	0J12A	0J04A	203G			66		15H
1	100000	00	02	0	00	0	00	0000
	8J17G	8J18G	200G			117		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H 19L,013L*015H, 015H
	8J09F	8J08F	290G			120		
1	140000	00	02	0	00	0	00	0000
	8J09F	8J08F	290G			120		17L,17L*15L* 114L,110L*112L* 19L
1	200000	00	02	0	00	0	00	0000
	8J18G	8J17G	200G			117		013L*014H,15L* 16L,17L*18L,19L* 110L,111L*112L, 014H 112L,06L*08H, 08H
	8J08G	8J09F	290G			120		
1	264060	00	02	0	00	0	00	0000
	8J16D	8J15D	2013			24		18L
1	307712	00	02	0	00	0	00	0000
	3J06E	3J04E	206G			24,19		18L*19L*110L

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM	B	K	MODE	ICR	SR	FII	FUNC	SEQ
LOC	SWAP		TYPE		PLATE			FAULT
1	400000	00	02	0	00	0	00	0000
8J19G	8J18G		2000		117			013L*014H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, 014H
8J08G	8J09F		2900		120			I9L,013L*015H, 015H
1	415577	00	02	0	00	0	00	0000
7J29D	7J32C		2020		34			011H
1	415723	00	02	0	00	0	00	0000
7J29D	7J32C		2020		34			011H*012L
1	416104	00	02	0	00	0	00	0000
7J17F	7J18F		2030		49			I8L
1	416711	00	02	0	00	0	00	0000
7J29D	7J32C		2020		34			I13L*I14L*I15L
1	417222	00	02	0	00	0	00	0000
7J17F	7J18F		2030		49			010H
1	420234	00	02	0	00	0	00	0000
7J17F	7J18F		2030		49			I5L*I6L*I7L*I8L* I9L
1	421655	00	02	0	00	0	00	0000
7J29D	7J32C		2020		34			I15L
1	424063	00	02	0	00	0	00	0000
7J29F	7J31E		2070		34,54,134			I9H
1	424675	00	02	0	00	0	00	0000
7J29F	7J31E		2070		34,54,134			014L
1	507200	00	02	0	00	0	00	0000
8J02B	8J06B		2070		24,25			013L,I7H
1	600000	00	02	0	00	0	00	0000
8J08G	8J09F		2900		120			I7L,I7L*I5L* I14L,I10L*I12L* I9L
1	777777	00	02	0	00	0	00	0000
3J26A	3J25A		2013		14			I5L,013L*014L*

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TABLE 8-46. SECONDARY ISOLATION TABLE FOR TABLE 8-5.

SYMPTOM LOC	B	K	MODE TYPE	ICR SR	FII PLATE	FUNC	SEQ FAULT
8J08D	8J07D		2013		21		015L I6L,013L*014L*
3J27C	3J26C		2060		14		015L 013L,15H,16H, 17H
8J026	8J06G		2070		21,81,121,107		012L,16H
3J02B	3J06B		2060		21,18		014H,18L*19L* I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM LOC	B SWAP	K SWAP	MODE TYPE	FUNC PLATE	SEQ	FAULT

LOCATE SYMPTOM, THEN DATA.						

1	000000	00	01	00	0400	
3J33B	3J32B		2920	03		17L

1	000000	00	02	00	0400	
3J32F	3J21F		2060	03,04		15L

1	000000	00	04	00	0400	
3J32F	3J21F		2060	03,04		19L
3J32B	3J04B		2920	03		015L

1	000000	00	10	00	0000	
7J32E	7J13E		2050	07,52		15L,17L,09H,15L*
7J32F	7J31F		2020	134		16L,17L*18L
3J12A	3J14A		2070	03,07,09,53		114L,011H*012L,
7J28B	7J22B		2070	07,30,53		113L*114L*115L,
7J27B	7J23B		2050	07,34		011H
						015L,110H
						014L,19H
						010H,111L*112L,
						113L*114L*115L

1	000000	00	10	00	0400	
7J02A	7J12B		2160	22		15L,015L,16H,
3J08D	3J05D		2060	22		17H,18H,19H,
7J10D	7J08D		2013	22		110H,111H,112H,
7J18D	7J15D		2013	06		113H,014H
3J35E	3J34E		2013	04		015L,111H,112H,
7J03D	7J02D		2013	06		013H,014H,15L*
7J25D	7J24D		2013	07,54		16L*17L,18L*19L*
3J30G	3J23G		2070	03		110L
7J31E	7J29E		2070	07		15L,16L,013L*
						014L*015L
						15H,16H,013H*
						014H*015H
						19L,010L*011L*
						012L
						17L,010L*011L*
						012L
						15L,013L*014L*
						015L
						17L,013H
						013L,17H

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TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM	B	A	MODE	FUNC	SEQ	FAULT
LOC	SWAP	TYPE	PLATE			
3J33E	3J32E	2013	04,05			19L
3J15B	3J14B	2930	08,09			114L
3J35F	3J27F	2070	04			110H
3J34F	3J33F	2060	04			014H
3J08C	3J22B	2080	22			09H

7	000000	00	01	00	0400	
3J24A	3J22A	2013	15			15L,013L*014L* 015L
3J32B	3J04B	2920	03			112H
3J33B	3J05C	2920	03			110L

7	000000	00	04	00	0400	
3J32B	3J04B	2920	03			111H,113H,114H

7	000000	00	10	00	0000	
3J27D	3J25D	2013	12			17H,18H,19H, 010H*011H*012H
3J27E	3J26E	2060	12,14			18L,19L,015L, 111H,112H,014H, 18L*19L*110L
3J10D	3J19D	2013	07			15H,16H,013H* 014H*015H
3J29D	3J32D	2013	12,13			15H,16H,013H* 014H*015H
3J32E	3J25E	2013	04,05			15L,19L,013L* 014L*015L
3J26F	3J12F	2050	14,12			15L,17L,09H,15L* 16L,17L*18L
3J27G	3J12G	2050	12			16L,17L,09H,15L* 16L,17L*18L
3J28C	3J30C	2900	12			15H,06H*08L,06H
3J28G	3J21G	2060	12,48			013L,15H,16H, 17H
3J29E	3J20E	2070	14,13,12			17L,013H

7	000000	00	10	00	0002	
3J30D	3J28D	2900	13			013L*015H,17L* 15L*114L,110L* 112L*19L,015H
3J26F	3J12F	2050	14,12			112L,010H,111L* 112L,113L*114L* 115L

7	000000	00	10	00	0100	
3J29G	3J26G	2040	12			015H,15L*16L, 17L*18L,19L* 110L,111L*112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM	B	K	MODE	FUNC	SEQ	FAULT
LOC	SWAP	TYPE	PLATE			
7	000000	00	10	00	0200	
3J27G	3J12G	2050	12			010H
7	000000	00	10	00	0401	
3J30E	3J28E	2900	13			06L*08H, I7L*I5L* I14L, I10L*I12L* I9L, 08H
3J28F	3J24F	2900	12			I9L
7	000000	00	10	00	0402	
3J27F	3J22F	2070	12			012L, I6H
3J28E	3J24E	2900	12			I9L
7	000000	00	10	00	0404	
3J27F	3J22F	2070	12			014L, I9H
3J28G	3J21G	2060	12, 48			014H, I8L*I9L* I10L
3J28D	3J24D	2900	12			I9L
7	000000	00	10	00	0410	
3J28C	3J30C	2900	12			I9L, 013L*015H, I7L*I5L*I14L, I10L*I12L*I9L, 015H
3J26G	3J11G	2040	12			015L
7	000000	00	10	00	0420	
3J28B	3J30B	2900	12			I9L
7	000000	00	10	00	0440	
3J27F	3J22F	2070	12			011L, I5H
3J29F	3J17F	2030	48, 12			011H, I12L*I13L* I14L
3J28F	3J24F	2900	12			I12L
7	000000	00	10	00	0600	
3J28D	3J24D	2900	12			I12L
7	000000	00	10	00	1400	
3J28B	3J30B	2900	12			I12L
7	000000	00	10	40	0400	
3J23D	3J21D	2060	40			I11L, 013L, I5H, I6H, I7H, 015H, I11L*I12L
3J23F	3J15F	2013	40			I5L, 013L*014L* 015L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM	B	K	MODE	FUNC	SEQ	FAULT
LOC	SWAP	TYPE	PLATE			
3J27E	3J26E	2060	12,14			013L,15H,16H, 17H
3J29E	3J20E	2070	14,13,12			16L,012H
3J24E	3J12E	2900	40			111L
7	000000	22	10	00	0400	
3J25D	3J22D	2013	16			013L*014L*015L
3J25E	3J23E	2013	16			15L
7	000001	00	10	00	0400	
8J17A	8J15A	2000	115			115H
7	000002	00	10	00	0400	
8J18A	8J17A	2000	115			115H
7	000004	00	10	00	0400	
8J19A	8J18A	2000	115			115H
7	000010	00	10	00	0400	
8J17B	8J15B	2000	115			115H
7	000020	00	10	00	0400	
8J18B	8J17B	2000	115			115H
7	000040	00	10	00	0400	
8J19B	8J18B	2000	115			115H
7	000100	00	10	00	0400	
8J17C	8J15C	2000	116			115H
7	000200	00	10	00	0400	
8J18C	8J17C	2000	116			115H
7	000400	00	10	00	0400	
8J19C	8J18C	2000	116			115H
7	001000	00	10	00	0400	
8J17E	8J16E	2000	116			115H
7	002000	00	10	00	0400	
8J18E	8J17E	2000	116			115H
7	004000	00	10	00	0400	
8J19E	8J18E	2000	116			115H
7	010000	00	10	00	0400	
8J17F	8J15F	2000	117			115H

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TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM	B	K	MODE	FUNC	SEG	FAULT
LCC	SAP	TYPE	PLATE			
7	020000	00	10	00	0400	
8J18F	8J17F	2000	117			115H
7	040000	00	10	00	0400	
8J19F	8J18F	2000	117			115H
7	100000	00	10	00	0400	
8J17G	8J18G	2000	117			115H
7	200000	00	10	00	0400	
8J18G	8J17G	2000	117			115H
7	400000	00	10	00	0400	
8J19G	8J18G	2000	117			115H
7	503400	00	10	00	0400	
8J16D	8J15D	2013	24			010L*011L*012L
7	777777	00	10	00	0400	
8J17D	8J16D	2013	25			15H, 16H, 013H* 014H*015H
8J02D	8J03D	2013	06, 105			15H, 16H
8J02A	8J11B	2060	21, 25, 54			015H, 111L*112L
40	000000	00	10	00	0400	
6J15C	6J13C	0761	137, 175			125H*128H, 127H* 130H, 131H*132H
6J17C	6J13C	0761	136, 137, 175			046L, 125H*128H, 127H*130H
6J33C	6J35C	0900	136, 135, 145			145L, 146L, 047L* 048L
6J21C	6J23C	0761	135, 136, 138, 175			03L*04L, 03H*04H
6J19C	6J23C	0761	135, 136, 138, 175			03L*04L
6J29C	6J31C	0040	136			015H*020H
7J04E	7J03E	2060	134			16L, 19L, 014L, 18H, 19H, 110H, 013H, 014H, 15L* 16L*17L, 18L*19L* 110L
8J02D	8J03D	2013	06, 105			17H, 18H, 19H, 010H*011H*012H.
7J06D	7J04D	2013	23			15H, 16H, 013H* 014H*015H
7J02C	7J16C	2030	23, 30			010H, 15L*16L* 17L*18L*19L
7J30F	7J23F	2060	34			111L
3J08A	3J28A	2050	17, 23			112L

TABLE 8-47. SECONDARY ISOLATION TABLE FOR TABLE 8-9.

SYMPTOM	B	K	MODE	FUNC	SEQ	FAULT
LOC	SWAP	TYPE	PLATE			
3J10A	3J28A	2050	107			09L

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	FAULT
LOC	SWAP	TYPE	PLATE		

LOCATE SYMPTOM, THEN DATA					

76	000000	00	000000	000000	
3J14A	3J12A	2070	08,27,107		015L,I10H
3J09A	3J07A	2920	23		I11L,015H,I11L*
					I12L*I13L,I5L*
					I6L*I7L,I8L*I9L*
					I10L
3J15B	3J14B	2930	08,09		I12L

76	000000	00	007404	000000	
3J15E	3J14E	2930	08,09		I12L

76	000001	00	000000	000000	
3J24B	3J23B	2060	41,15		I12L

76	027401	00	000000	000000	
6J27C	5J27C	0280	135		I3H,I11H,I12H,
					I15H,I22H,I35H,
					I41H,I45H,I51H,
					I52H,I5L,013L,
					I17L,018L,020L,
					I22L,026L,030L,
					I31L,I35L,036L,
					I38L,I45L,046L,
					I48L,I51L,I52L,
					023H,054H,053H,
					018H,036H,046H,
					06L,054L,053L
6J29C	6J31C	0040	136		I30H,I34H,I36H,
					I39H,I43H,I51H,
					I39L,I51L,045H*
					048H,047H*053H,
					027L*028L,045L*
					048L,047L*053L,
					I41L,I42L,I52L,
					I54L
6J27B	6J31B	0400	139,142		I35H,I27L,I29L,
					I30L,I39L,I41L,
					I42L
6J21C	5J23C	0761	135,136,138,175		026H,046H,010L,
					018L,026L,I34L,
					046L
6J23B	6J23D	0421	140		I44H,I46H,I52H,

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	FAULT
LOC	SWAP	TYPE	PLATE		
6J36B	6J23D	0421	143		I46L, I52L I44H, I48H, I52H, I48L, I52L
6J23C	5J23C	0761	135, 138, 175		046H, 010L, 018L, I51L, I54L
6J29B	6J31B	0400	143		I27H, I41H, I25L, I26L
6J13C	5J23C	0761	137, 175		I54H, 010L, 018L, 046L
6J15C	5J23C	0761	137, 175		I54H, 010L, 046L, 03H*04H
6J19C	5J23C	0761	135, 136, 138, 175		046H, 010L, 046L, I54L
6J33C	6J35C	0900	136, 135, 145		I51H, I53H, 039H* 040H, 041H*042H
6J34B	6J25D	0400	140, 142		I33L, I35L, I36L
6J17C	5J23C	0761	136, 137, 175		018H, 026L, 03L* 04L
6J19B	6J38B	0431	142		I54H, I47L, I48L, I52L
6J21B	6J38B	0431	139		I54H, I47L, I48L, I52L
6J25B	6J31B	0400	139		I17H, I42H
6J32B	6J31B	0400	140		I29H
6J40B	6J38B	0431	142		I48H
7J08D	7J07D	2013	23		I7H, I8H, I9H, 010H*011H*012H
7J11D	7J10D	2013	22		I7H, I8H, I9H, 010H*011H*012H
8J07D	8J03D	2013	107		I7H, I8H, I9H, 010H*011H*012H
7J04D	7J03D	2013	23, 106		I7H, I8H, I9H
7J03C	7J16C	2070	22, 23		I5L, I9L, 011H, 014H
7J02C	7J18C	2030	23, 30		010L, I5H, I6H, I7H, I8H, I9H
7J06D	7J07D	2013	23		I6L, 013L*014L* 015L
8J11G	8J11E	2060	107, 120		013L, I5H, I6H, I7H
7J09A	7J13A	2050	107		010L, I13H, I14H, I15H
7J31E	7J29E	2070	07		I9L, 014H
8J02G	8J06G	2070	21, 81, 121, 107		I9L, 014H
8J12F	8J06E	2070	107, 119, 120		I5L, 011H
7J15E	7JU4E	2060	51, 107		014H, I8L*19L* I10L
7J12E	7J11E	2000	105		I7H, I8H

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	LOC	SWAP	TYPE	PLATE	FAULT
					7J31F	7J26F	2020	134	I13L*I14L*I15L, 011H
					7J10A	7J08A	2000	105	I8L
					7J11A	7J20A	2000	105	I8L
76	027404	00	000000	000000	3J23D	3J21D	2060	40	I6L,014L,015L, I8H,I9H,I10H, I11H,I12H
					3J24B	3J23B	2060	41,15	014L,I8H,I9H, I10H,015H,I11L* I12L
					3J24C	3J12C	2070	44,41,40,14	I7L,I9L,013H, 014H
					3J14A	3J12A	2070	08,27,107	012L,I6H
					3J16G	3J14G	2070	09,35,9,48	I9L,014H
					3J27B	3J20B	2070	14,15	I9L,014H
					3J09A	3J07A	2920	23	I9L
79	027401	00	000000	000000	6J27B	6J25B	0400	139,142	I25L,I26L
					6J15C	6J13C	0761	137,175	018H,06L*018H* 024H
					6J19C	6J17C	0761	135,136,138,175	018H
					6J38B	6J21B	0431	139	I48H
					7J10F	7J08F	2000	104	I7H,I8H
					7J31F	7J26F	2020	134	I14L
79	027401	00	027401	000000	7J12D	7J11D	2013	22	I6L,013L*014L* 015L
79	027404	00	000000	000000	4J24B	4J23B	2050	96	010H,I11L*I12L, I13L*I14L*I15L
					4J22A	4J20A	2920	96	015L,I5H,I6H, I7H
					4J22C	4J20C	2920	95	015L
79	027404	00	027404	000000	3J08D	3J05D	2060	22	I5L
104	000000	00	000000	000200	6J31A	6J30A	0651	160	I36H
104	027401	00	000000	000000	8J06C	8J03C	2050	80	I8L,09H,I5L*I6L, I7L*I8L

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	FAULT
LOC	SWAP	TYPE	PLATE		
8J07C	8J11C	2050	80		I14L, C10H, I11L* I12L, I13L* I14L* I15L
7J106	7J086	2000	104		I7H, I8H
104	027401	00	000000	000200	
6J31A	6J30A	0651	160		I44H
104	027401	00	000000	000400	
6J30A	6J29A	0651	161		I44H
104	027404	00	000000	000000	
4J23G	4J22G	2050	94		09L
104	027404	00	000000	000700	
4J24F	4J21F	2070	94		I6L, 012H
4J25G	4J24G	2050	94		I7H, I8H
4J26G	4J27G	2050	94		I11H, I12H
4J34B	4J33B	2900	102		I12L
104	505640	00	000000	505240	
6J27B	6J25B	0400	139, 142		I27H
140	027404	00	001000	341000	
4J23F	4J22F	2920	94		I5H, I6H, I7H
140	505640	00	001000	341000	
8J06B	8J02B	2070	79, 80		012L, 013L, 014L, I6H, I7H, I9H
7J32A	7J31A	2020	31		I6L, I13H, I14H, I15H, C11L* I12H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
7J33C	7J18A	2040	31		I12L, 015H, I5L* I6L, I7L* I8L, I9L* I10L, I11L* I12L, I13L* I14L
7J26D	7J25D	2013	07, 14		I5L, 013L* 014L* 015L
3J18C	3J17C	2060	47		014L, 18H, 19H, I10H
7J23A	7J22A	2060	30, 31		015L, I11H, I12H
7J30B	7J29B	2060	32		015L, I11H, I12H
3J17A	3J14A	2070	47, 48		I5L, 011H
8J06E	8J25B	2070	80, 81		I9L, 014H
3J24G	3J28F	2900	40		I9L, I12L
7J29A	7J28A	2090	32		I5L, 010H

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	FAULT
LOC	SWAP	TYPE	PLATE		
3J24E	3J12E	2900	40		I12H
3J24F	3J28F	2900	40		I9L
3J23B	3J21B	2060	41		I8L
3J02A	3J07A	2920	21		I10L

149	027401	00	000000	000000	
6J25B	6J31B	0400	139		I25H, I33H, I27L, I29L, I30L
6J29B	6J31B	0400	143		I25H, I33H, I27L, I29L, I30L
6J34B	6J25D	0400	140, 142		I18H, I39L, I41L, I42L
6J27B	6J31B	0400	139, 142		I26H, I17L, I18L
6J13C	6J21C	0761	137, 175		010H, I20L
6J17C	6J21C	0761	136, 137, 175		010L, 018L
6J32B	6J31B	0400	140		I42H
6J15C	6J21C	0761	137, 175		018L
6J19C	6J21C	0761	135, 136, 138, 175		018L
7J10C	7J08C	2000	105		I7H, I8H
7J09A	7J13A	2050	107		I11H, I12H
7J12B	7J02A	2160	106, 107		015H, I6L*I7L* I8L*I9L*I10L* I11L*I12L*I13L
7J12E	7J11E	2000	105		I7L

149	027401	00	000000	100000	
6J19C	6J17C	0761	135, 136, 138, 175		019L*010H*012H

149	027401	00	000000	767777	
6J34B	6J32B	0400	140, 142		I35H

149	027401	00	000000	777777	
6J19C	6J17C	0761	135, 136, 138, 175		010H, I20L

149	027401	77	000000	777777	
7J12B	7J02A	2160	106, 107		I12L

149	027404	77	000000	777777	
3J16G	3J14G	2070	09, 35, 9, 48		015L, I10H

197	027401	00	000000	000000	
6J15C	6J13C	0761	137, 175		I25L, I28L, 03L* 04L
6J33A	6J32A	0651	159		I48L
6J33E	6J32E	0651	168		I54H
7J08F	7J07F	2000	111		I15L, I9H, I10H, 013H*014L, 013H

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TABLE 8-48. SECONDARY ISOLATION TABLE FOR TABLE 8-16.

SYMPTOM	B	K	S1	Z1	FAULT
LOC	SWAP	TYPE	PLATE		
7J12F	7J11F	2000	104		I15L, I5H, I6H, 013H*014L, 013H
8J03B	8J04B	2050	111		I12L, 010H, I11L* I12L, I13L*I14L* I15L
8J07B	8J04B	2050	79		09L, I7H, I8H

197	027404	00	000000	000000	
4J276	4J346	2050	91,94		I11L, I14L, 010H, I11L*I12L, I13L* I14L*I15L
4J24F	4J21F	2070	94		011L, I5H
4J266	4J256	2050	94		I7H, I8H
4J14B	4J15B	2000	85		I6H

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TABLE 8-49. SECONDARY ISOLATION TABLE FOR TABLE 8-17.

SYMPTOM LOC	B SWAP	K TYPE	S1 PLATE	ICR	FAULT

LOCATE SYMPTOM, THEN DATA					

4	027401	02	000710	1	
7J20F	7J21F	2020	35		115L,15H,17H, 011H*012L,113L* 114L*115L,011H 18L,19L,113H, 115H,15L*16L* 17L,18L*19L* 110L
7J20G	7J21G	2020	35		16H
7J19D	7J18D	2013	06		110L
7J19E	7J16E	2070	35,36,52		015H
7J23E	7J17E	2060	35,49,54		

4	027404	02	000710	1	
4J04B	4J02B	2900	27		15L,112L,114H, 06L*08H,013H* 015L,17L*15L* 114L,110L*112L* 19L,08H,013H 112L,113L,010H, 111L*112L,113L* 114L*115L
4J22G	4J21G	2050	94		112H,06H*08L, 06H
4J32A	4J30A	2900	89		112H,06H*08L, 06H
4J33A	4J34A	2900	102		15L,19L,111L, 015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
4J20F	4J11F	2920	94		015L,111H,112H 15L,013H,15L* 16L*17L
3J13A	3J16A	2060	27		011L,15H
4J04C	4J03C	2060	27,38		16L,012H
4J21F	4J24F	2070	94		015L,111H,112H, 113H,114H
4J26A	4J24A	2070	98,93,96		09L,15H,16H
4J22E	4J21E	2920	93		015H,111L*112L* 113L,15L*16L* 17L,18L*19L* 110L
4J27B	4J26B	2050	93,96		
3J05C	3J07C	2920	19		

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TABLE 8-49. SECONDARY ISOLATION TABLE FOR TABLE 8-17.

SYMPTOM	B	K	S1	ICR	LOC	SWAP	TYPE	PLATE	FAULT
					3J02E	3J06B	2060	21,1E	I5L, I5L*I6L*I7L
					3J11A	3J06A	2060	27,30	013H, I5L*I6L* I7L
					4J31D	4J03F	2060	20,21	015L, I11H
					3J13G	3J07G	2920	35	015L, I6H, I7H
					3J28A	3J10A	2050	27	09L

11	027401	00	001000	1					
					6J27B	6J25B	0400	139,142	I29H
					6J13C	6J15C	0761	137,175	03L*04L
					7J07D	7J06D	2013	23	I7H, I8H, I9H, 010H*011H*012H
					7J12G	7J11G	2000	104	I15L, I7H, I8H, 013H*014L, 013H
					7J22E	7J21E	2020	36	I6L

11	027404	00	001000	1					
					4J23G	4J22G	2050	94	I5L, I8L, I11L, I14L, 09H, 010H, I5L*I6L, I7L*I8L, I11L*I12L, I13L* I14L*I15L
					4J24F	4J21F	2070	94	014L, 015L, I9H, I10H
					4J32A	4J30A	2900	89	I9H, 013H*015L, 013H
					4J32B	4J30B	2900	102	I12H, 06H*08L, 06H
					4J33A	4J34A	2900	102	I9H, 013H*015L, 013H

11	767400	00	001000	1					
					3J07B	3J06B	2060	23,19	014H, I8L*I9L* I10L

37	000000	00	001733	0					
					7J18D	7J15D	2013	06	I7H, I8H, I9H, 010H*011H*012H
					7J22C	7J19C	2060	37	I6L, I9L, 013H, 014H, I5L*I6L* I7L, I8L*I9L* I10L
					7J05E	7J21E	2020	28	I13L, I5H, I6H, I7H, 011H*012L, 011H
					3J12C	3J06C	2070	47,11,30	I6L, 012H
					7J05C	7J04C	2020	28	I13H, I14H, I15H
					7J21G	7J20G	2020	36	I14L, I13L*I14L*

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TABLE 8-49. SECONDARY ISOLATION TABLE FOR TABLE 8-17.

SYMPTOM	B	K	S1	ICR	FAULT
LOC	SWAP	TYPE	PLATE		
					I15L I7L, I10L 05H, I6L*I7L*I8L 09L
37	000000	00	001734	0	
7J25C	7J24C	2020	37		
7J166	7J33B	2080	28,49		
7J23B	7J13B	2050	37,54		
37	000000	01	001733	0	
7J05C	7J04C	2020	28		I5L
37	000000	01	001733	0	
7J24C	7J25C	2020	37		I6L, I7L, I13H, I14H, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
7J21F	7J20F	2020	36		I15L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
7J19E	7J16E	2070	35,36,52		I5L, I6L, 011H, 012H
3J206	3J166	2070	8,45		I9L, 014H
7J216	7J206	2020	36		I5H, I6H, I7H
7J19D	7J18D	2013	06		010L*011L*012L
3J076	3J136	2920	36		015L, I8H, I9H, I10H
3J14B	3J15B	2930	10,11		I14L
7J04C	7J25C	2020	28		I10L
7J05C	7J25C	2020	28		I6L
37	000000	01	001733	7	
7J24C	7J05C	2020	37		I15H
37	000000	02	001733	0	
7J25C	7J24C	2020	37		I6L, I13H, I14H, 011L*012H, I5L* I6L*I7L, I8L*I9L* I10L, 012H
37	000000	02	001733	7	
7J25C	7J24C	2020	37		I15H
37	000000	03	001733	0	
7J22B	7J05B	2070	37		011L, I5H
37	000000	04	001733	0	
7J24B	7J21B	2020	37		I6L, I7L, I10L, I13H, I14H, 011L* 012H, I5L*I6L* I7L, I8L*I9L*

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TABLE 8-49. SECONDARY ISOLATION TABLE FOR TABLE 8-17.

SYMPTOM	B	K	S1	ICR	FAULT
LOC	SWAP	TYPE	PLATE		
	7J22B	7J05B	2070	37	I10L,012H 012L,I6H
37	000000	04	001733	7	
	7J24B	7J21B	2020	37	I15H
37	000000	10	001733	0	
	7J25B	7J24B	2020	37	I6L,I7L,I10L, I13H,I14H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H I13H,I14H,I15H
	7J21B	7J20B	2020	37	
37	000000	10	001733	7	
	7J25B	7J24B	2020	37	I15H
37	000000	20	001713	0	
	7J20A	7J11A	2000	37	I15H
37	000000	20	001733	0	
	7J24A	7J21A	2020	37	I7L,I10L,I13H, I14H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H 014L,I9H I7H,I8H
	7J22B	7J05B	2070	37	
	7J23B	7J13B	2050	37,54	
37	000000	20	001733	7	
	7J24A	7J21A	2020	37	I15H
37	000000	40	001733	0	
	7J25A	7J24A	2020	37	I6L,I7L,I10L, I13H,I14H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
37	000000	40	001733	7	
	7J25A	7J24A	2020	37	I15H
37	000000	77	001733	0	
	7J24D	7J21D	2013	37	I8L,I5H,010L* 011L*012L I5H,I6H
	7J03D	7J02D	2013	06	
37	000000	77	001733	7	
	7J24D	7J21D	2013	37	I6H

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TABLE 8-49. SECONDARY ISOLATION TABLE FOR TABLE 8-17.

SYMPTOM	B	K	S1	ICR	FAULT
LOC	SWAP	TYPE	PLATE		
38	000000	00	001734	0	
7J19A	7J18B	2030	37		010L, I5H, I6H, I7H, I8H, I9H
7J216	7J206	2020	36		I7L, I13H, I14H, I15H
7J22C	7J19C	2060	37		015L, I11H, I12H
7J23F	7J19F	2060	35, 36		I11L, 015H, I11L* I12L
7J19E	7J16E	2070	35, 36, 52		012L, I6H
7J22B	7J05B	2070	37		I10L, 015H
38	000000	01	001734	0	
7J20C	7J14C	2000	37		I10L
38	000000	02	001734	0	
7J21C	7J20C	2000	37		I10L
38	000000	04	001734	0	
7J20B	7J21B	2020	37		I10L
38	000000	10	001734	0	
7J21B	7J20B	2020	37		I10L
38	000000	20	001714	0	
7J20A	7J11A	2000	37		I10L
38	000000	20	001734	0	
7J24A	7J21A	2020	37		I6L
38	000000	40	001734	0	
7J21A	7J03A	2020	37		I10L

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TABLE 8-50. SECONDARY ISOLATION TABLE FOR TABLE 8-19.

SYMPTOM	S1	Z1	B	K	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
15	000000	777777	000000	10	1	
3J27C	3J26C	2060	14			014L, 18H, 19H, I10H
15	000017	000001	000000	10	1	
3J18A	3J16A	2060	47			013H, 15L+16L* 17L
3J18B	3J11B	2050	47,48			18H
15	000017	440056	000000	10	1	
3J18B	3J11B	2050	47,48			09L
15	000707	505610	000000	00	1	
3J20G	3J16G	2070	8,45			I10H
15	000707	505610	000000	10	1	
3J27B	3J20B	2070	14,15			I5L, 011H
7J05C	7J04C	2020	28			011L*012H, 012H
3J32C	3J24C	2070	03,14			I7L
3J18G	3J17G	2060	08,46,			I7L
3J26F	3J12F	2050	14,12			I15L
15	000707	505610	000000	77	1	
7J21G	7J20G	2020	36			011H*012L, 011H
15	000710	505612	000000	12	1	
7J02D	7J03D	2013	06			I7H, I8H, I9H, 010H*011H*012H
15	005610	000000	000000	22	1	
3J24D	3J12D	2900	40			06H*08L, 06H
15	020602	000000	000000	10	1	
7J05B	7J03B	2070	28,31,35			I7H
17	000707	505610	000000	10	1	
3J08D	3J05D	2060	22			014L, 18H, 19H
3J26C	3J23C	2060	22,35			I9L, I8L*I9L* I10L
3J27B	3J20B	2070	14,15			012L
17	000710	000000	000000	22	1	
3J27G	3J12G	2050	12			I11L

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TABLE 8-50. SECONDARY ISOLATION TABLE FOR TABLE 8-19.

SYMPTOM	S1	Z1	B	K	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
3J29B	3J19B	2050	13			09L
17	000710	505002	000000	02	1	
7J31D	7J27D	2013	31			15H,16H,010L* 011L*012L
7J32C	7J31C	2020	31			15L,113H,114H, 115H
3J23D	3J21D	2060	40			112L
17	000710	505002	000000	10	1	
3J21C	3J20C	2060	44			014L,18H,19H, 110H
3J21D	3J17D	2060	44			013H,15L*16L* 17L
3J21E	3J19E	2060	44			015H,111L*112L
3J18G	3J17G	2060	08,46,			15L
17	000710	505002	000000	12	1	
3J24B	3J23B	2060	41,15			015L,112H
17	000710	505610	000000	10	1	
6J25C	5J25C	0260	135			127H,04L,129L
6J17C	6J15C	0761	136,137,175			026H,03H*04H
7J31F	7J26F	2020	134			18L,114H,115H, 011H*012L,15L* 16L*17L,18L*19L* 110L,012H
3J26D	3J23D	2060	16			15L,013H,15L* 16L*17L
3J08F	3J22F	2070	16,52,33,12			15L,011H
3J02D	3J31D	2050	16,25			09L,17H,18H
3J27B	3J20B	2070	14,15			16H
17	000710	505612	000000	12	1	
6J29C	6J31C	0040	136			19L,119L,017H* 025H,112L,121L, 122L
6J35C	5J35C	0900	136,145			16H,116H,017H* 018H
6J37C	6J31C	0040	136,145			130H,131H,027L* 028L
6J33C	5J35C	0900	136,135,145			011H*012H
3J14A	3J12A	2070	08,27,107			16L,012H
7J03C	7J16C	2070	22,23			011L,15H
7J02C	7J18C	2030	23,30			16L
17	000717	440004	000000	04	1	
7J23D	7J26B	2930	34			19L

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TABLE 8-50. SECONDARY ISOLATION TABLE FOR TABLE 8-19.

SYMPTOM	S1	Z1	B	K	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
17	005610	000000	000000	22	1	
3J29B	3J19B	2050	13			I5H,I6H.
175	001200	505640	000000	40	1	
7J06B	7J07B	2000	113			I15L,I9H,I10H, 013H*014L,013H
200	001225	000000	000000	40	1	
6J27C	5J27C	0280	135			010L
200	001225	505641	000000	40	1	
6J38A	6J37A	0651	157			I48H
6J13C	6J15C	0761	137,175			053H
200	001225	505642	000000	40	1	
6J13C	6J15C	0761	137,175			045H
200	001225	505644	000000	40	1	
6J13C	6J15C	0761	137,175			052H
200	001225	505650	000000	40	1	
6J35A	6J34A	0651	158			I48H
6J15C	6J13C	0761	137,175			053H
200	001225	505660	000000	40	1	
6J34A	6J33A	0651	159			I48H
6J15C	6J13C	0761	137,175			045H
200	001225	505661	000000	40	1	
6J27C	5J27C	0280	135			I12L,06H
6J23C	6J21C	0761	135,138,175			I54H
200	001225	545640	000000	40	1	
6J24A	6J23A	0651	164			I48H
6J21C	6J19C	0761	135,136,138,175			052H
200	001225	705640	000000	40	1	
6J23C	6J21C	0761	135,138,175			045H
200	001225	777677	000000	40	1	
6J29C	6J31C	0040	136			I33L
236	001216	505640	000000	40	1	
7J10C	7J08C	2000	105			I6L,I7L
7J11A	7J10A	2000	105			I6L
268	001245	000000	000000	40	1	

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TABLE 8-50. SECONDARY ISOLATION TABLE FOR TABLE 8-19.

SYMPTOM	S1	Z1	B	K	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
6J27C	5J27C	0280	135			I37H,I29L,I39L, I42L,028H,047H
6J29C	6J31C	0040	136			I10H,I11H,I19H, I23H,015L*020L, 017L*025L
6J25C	5J25C	0260	135			04H
6J19C	6J17C	0761	135,136,138,175			020H,026L,I34L
6J37C	6J31C	0040	136,145			I29L,027H*028H, I30L,I32L

268	001245	505640	000000	40	1	
6J27C	5J27C	0280	135			I11L,I14L,I15L, I16L,023L,I41L, 020H,026H
6J23B	6J23D	0421	140			I48H,I48L
6J36B	6J23D	0421	143			I46H,I46L
6J29C	6J31C	0040	136			I41H
7J06D	7J04D	2013	23			I5L,I7H,I8H,I9H, 010H*011H*012H
3J20B	3J27B	2070	46,45,44			I5L,011H
7J03C	7J16C	2070	22,23			I6L,012H
3J04B	3J03B	2920	21			015L,I11H,I12H, I13H,I14H
3J02B	3J06B	2060	21,18			I6L
3J16A	3J13A	2060	48,28			I6L
3J17C	3J09C	2060	48			I6L
3J21D	3J17D	2060	44			I8L

422	001405	105640	000000	40	1	
6J21A	6J22A	0651	165			I44L,I47L
6J23C	6J21C	0761	135,138,175			052L

422	001405	405640	000000	40	1	
6J23A	6J22A	0651	164			I44L,I47L
6J23C	6J21C	0761	135,138,175			053L

605	001751	505640	000000	40	1	
8J16C	8J24B	2013	24,25			I5H,I9H

605	001771	505640	611772	40	1	
3J07C	3J05C	2920	24			I6L,I10L

805	002442	505640	000000	40	1	
3J03E	3J17E	2030	18			010L,I5H,I6H, I7H,I8H,I9H
3J19G	3J18G	2060	46			I11L,015H,I11L* I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-50. SECONDARY ISOLATION TABLE FOR TABLE 8-19.

SYMPTOM	S1	Z1	B	K	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
4J02E	4J28E	2900	39			I11L
3J02B	3J06B	2060	21,18			I12L
4J03F	4J31D	2060	39			I6L

805	002442	505640	000000	40	2	
6J35E	6J34E	0651	167			I36H, I40H, I41H, I42H, I45H, I47H, I36L, I51L, I52L, I54L
5J35A	5J34A	0651	158			I40H, I44H, I45H, I47H, I48H, I36L, I51L, I52L, I54L
5J15C	5J13C	0761	137,175			I30H, 053H, I27H* I30H
6J35A	6J34A	0651	158			I42L
6J15C	6J13C	0761	137,175			I27H
8J04B	8J03B	2050	111			I13H, I14H, I15H

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TABLE 8-51. SECONDARY ISOLATION TABLE FOR TABLE 8-21.

SYMPTOM	B	SWAP	TYPE	PLATE	FAULT
LOC					
8	000211				
8J14C	8J13C	2050	119	I8H	
8	000305				
8J13C	8J11C	2050	118,119	I13H	
8	000317				
8J13C	8J11C	2050	118,119	I15H	
8	000364				
8J13C	8J11C	2050	118,119	I14H	
8	000372				
8J14C	8J13C	2050	119	I7H	
8	000375				
7J29C	7J22C	2060	32	I11H	
8	000401				
8J13D	8J14D	2050	119	I8L	
8	000402				
8J11D	8J12C	2920	119	015H	
8	000404				
8J11B	8J16B	2060	118	013L	
8	000410				
8J11C	8J07C	2050	118	010H	
8	000424				
8J11B	8J16B	2060	118	I6H	
8	000437				
8J11C	8J07C	2050	118	I11L*I12L	
8J13D	8J14D	2050	119	I5L*I6L	
8	000442				
8J12C	8J12A	2920	118	I5L*I6L*I7L	
8	000443				
8J11C	8J07C	2050	118	I14L	

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TABLE 8-51. SECONDARY ISOLATION TABLE FOR TABLE 8-21.

SYMPTOM	B	LOC	SWAP	TYPE	PLATE	FAULT
8	000445	8J11B	8J16B	2060	118	I8H, I10H
8	000446	8J12C	8J12A	2920	118	I11L*I12L*I13L
8	000447	8J13C	8J11C	2050	118, 119	I8H
8	000451	8J11B	8J16B	2060	118	I5H
8	000453	8J11B	8J16B	2060	118	I9H
8	000454	8J11C	8J07C	2050	118	I11L, I13L*I14L* I15L
8	000457	8J11B	8J16B	2060	118	O14L
8	000460	8J11C 8J12C	8J07C 8J12A	2050 2920	118 118	I5L*I6L I11L
8	000462	8J12C	8J12A	2920	118	I6L
8	000465	8J13C	8J11C	2050	118, 119	I7H
8	000466	8J11C 8J11D	8J07C 8J12C	2050 2920	118 119	I5L I6L
8	000467	8J12C	8J12A	2920	118	I8L*I9L*I10L
8	000470	8J12A 8J11B 8J12C	8J11D 8J16B 8J11D	2920 2060 2920	118 118 118	I8L, I8L*I9L* I10L I11H I8L
8	000471	8J11B 8J13B	8J16B 8J07B	2060 2050	118 118	O15L, I7H I7H, I8H

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TABLE 8-51. SECONDARY ISOLATION TABLE FOR TABLE 8-21.

SYMPTOM	B	SWAP	TYPE	PLATE	FAULT
LOC					
8	000472				
8J11C		8J07C	2050	118	09H
8J12C		8J12A	2920	118	015H
8	000473				
8J11B		8J16B	2060	118	I12H
8J11D		8J12C	2920	119	I11L*I12L*I13L
8J12A		8J12C	2920	118	I5L*I6L*I7L
8	000474				
8J11A		8J07A	2050	118	I13L*I14L*I15L
8J11C		8J07C	2050	118	I7L*I8L
8J13A		8J03B	2050	118	I14H
8J13B		8J07B	2050	118	I14H
8	000475				
8J11C		8J07C	2050	118	I8L
8J11D		8J12C	2920	119	I11L
8	000476				
8J11A		8J07A	2050	118	I11L*I12L
8J13A		8J03B	2050	118	I13H
8J13B		8J07B	2050	118	I13H
8J12A		8J12C	2920	118	I11L*I12L*I13L
8	000477				
8J11A		8J07A	2050	118	I11L,I14L,010H
8J12A		8J12C	2920	118	I6L,I11L,015H
8J13A		8J03B	2050	118	I15H
8J13B		8J07B	2050	118	I15H
8	000538				
8J11D		8J12C	2920	119	I8L*I9L*I10L
8	000540				
8J11D		8J12C	2920	119	I8L
8	000541				
8J11D		8J12C	2920	119	I5L*I6L*I7L
8	000613				
8J13D		8J14D	2050	119	I5L
8	000624				
8J13D		8J14D	2050	119	I7L*I8L
8	000635				

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TABLE 8-51. SECONDARY ISOLATION TABLE FOR TABLE 8-21.

SYMPTOM	LOC	B	SWAP	TYPE	PLATE	FAULT
	8J14C		8J13C	2050	119	I15H
8		000652				
	8J14C		8J13C	2050	119	I14H
8		000705				
	8J13D		8J14D	2050	119	09H
8		000766				
	8J14C		8J13C	2050	119	I13H

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TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	LOC	SWAP	TYPE	PLATE	FAULT
32	000007				
	7J05C	7J04C	2020	28	I7H
32	000010				
	4J30A	4J29A	2900	98	I14L
32	000017				
	3J21G	3J19G	2060	45	I11L*I12L
32	000051				
	7J05E	7J21E	2020	28	I6L
32	000054				
	3J19G	3J18G	2060	46	I12H
32	000072				
	7J21E	7J05E	2020	36	I6L
32	000115				
	4J17G	4J16G	2000	88	I8L
32	000134				
	7J05E	7J21E	2020	28	I14H
32	000160				
	3J21G	3J19G	2060	45	015H
32	000174				
	3J21G	3J19G	2060	45	I12L
32	000200				
	7J05E	7J21E	2020	28	I5L*I6L*I7L
32	000230				
	7J16G	7J33B	2080	28,49	I6H
32	000243				
	7J16F	7J15F	2060	28,49	I9H
32	000247				
	7J05E	7J21E	2020	28	I15H
32	000313				

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TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	LOC	B	SWAP	TYPE	PLATE	FAULT
	7J05E		7J21E	2020	28	19L
32	6J38B	000343	6J21B	0431	139	152H
32	7J16F	000373	7J15F	2060	28,49	110H
32	7J05C	000410	7J04C	2020	28	16H
32	7J05E	000421	7J21E	2020	28	113H
32	7J28C	000430	7J12B	2160	28	16L*17L*18L*19L* 110L*111L*112L* 113L
32	7J16F	000463	7J15F	2060	28,49	014L
32	7J16F	000471	7J15F	2060	28,49	18H
47	6J28E	000000	6J25E	0651	171	136H, 140H, 141H, 142H, 145H, 147H, 148H, 136L, 140L, 141L, 142L, 151L, 152L, 154L
	6J29E		6J25E	0651	170	136H, 140H, 141H, 142H, 145H, 147H, 148H, 136L, 140L, 141L, 142L, 151L, 152L, 154L
	6J30E		6J25E	0651	170	136H, 140H, 141H, 142H, 145H, 147H, 148H, 136L, 140L, 141L, 142L, 151L, 152L, 154L
	6J34E		6J25E	0651	168	136H, 140H, 141H, 142H, 145H, 147H, 148H, 136L, 140L, 141L, 142L, 151L, 152L, 154L
	6J35E		6J25E	0651	167	136H, 140H, 141H,

TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	LOC	B	SWAP	TYPE	PLATE	FAULT
						I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J36E		6J25E	0651	167	I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	6J38E		6J25E	0651	166	I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I41L, I42L, I51L, I52L, I54L
	5J28A		5J25A	0651	162	I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J30A		5J25A	0651	161	I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J34A		5J21A	0651	159	I36H, I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J29A		5J25A	0651	161	I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J31A		5J25A	0651	160	I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J32A		5J25A	0651	160	I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J36A		5J21A	0651	158	I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J38A		5J21A	0651	157	I40H, I41H, I42H, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
	5J26A		5J25A	0651	163	I44H, I45H, I47H, I48H, I36L, I40L,

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TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	B	SWAP	TYPE	PLATE	FAULT
5J37A		5J21A	0651	157A	I51L, I52L, I54L, I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
5J33C		*****	0900	136, 135, 145	116H, 123H, 127H, I3L, I4L, I15L, I16L, I23L, I24L, I45L, I46L, 021H*, 022H, 029H*030H, 035H*036H, 09L*, 010L, 011L*012L, 035L*036L, 047L*048L
5J35C		*****	0900	136, 135, 145	I15H, 127H, I31H, I5L, I6L, I15L, I16L, I23L, I24L, 09L*010L, 017L*, 018L, 035L*036L
5J17C		6J17C	0761	136, 137, 175	I28H, I30H, I31H, 045H, I51H, 052H, 053H, 046L, I25H*, I28H, I27H*I30H, I31H*I32H
6J35C		*****	0900	136, 145	I33H, I45L, I46L, I51L, I52L, I53L, I54L, C39L*040L, 041L*042L, 047L*048L
5J27A		5J25A	0651	162	I41H, I42H, I48H, I40L
5J33A		5J21A	0651	159	I41H, I42H, I48H, I40L
6J32E		6J25E	0651	169	I48H, I40L, I41L, I42L
6J33E		6J25E	0651	168	I48H, I40L, I41L, I42L
6J37E		6J25E	0651	166A	I48H, I40L, I41L, I42L
5J13C		6J17C	0761	137, 175	I28H, I30H, I31H, 045H, 052H, 053H, I25H*I28H, I27H*, I30H, I31H*I32H
5J27C		6J27C	0280	135	I9H, I17H, I39H, I24L, I27L, 032L, 047L, 030H, 010L
5J19C		6J17C	0761	135, 136, 175, 138	I30H, I31H, 045H, 053H, I27H*I30H, I31H*I32H, 03L*

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TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	LOC	B	SWAP	TYPE	PLATE	FAULT
						04L
	5J35A		5J21A	0651	158	I41H,I42H,I40L
	6J26E		6J25E	0651	172	I46H,I40L,I42L
	6J27E		6J25E	0651	171	I40L,I41L,I42L
	6J31E		6J25E	0651	169	I40L,I41L,I42L
	6J33C		*****	0900	136,135,145	I24H,I28H,I31L, I32L,021L*022L
	5J21C		6J17C	0761	135,136,138,175	I30H,053H,I27H* I30H,03H*04H
	5J15C		6J17C	0761	137,175	I31H,045H,I31H* I32H
	5J23C		6J17C	0761	135,138,175	I51H,012L,024L
	5J29C		6J29C	0040	136	I11L,015H*020H, I16L,I18L
	6J13C		6J17C	0761	137,175	I25H,I27H
	6J19C		6J17C	0761	135,136,138,175	I32H,I31H*I32H
	5J37C		6J29C	0040	136,145	I10H,I11H,015L* 020L
	6J31C		6J29C	0040	136	I11L,I16L,I18L
	6J15C		6J17C	0761	137,175	I32H
	8J16A		8J31A	2013	25,105	I7H,I8H,I9H, 010H*011H*012H
	7J04F		7J03F	2060	51,134	I6L,014L,I8H, I9H,I10H,013H, I5L*I6L*I7L
	8J03A		8J06A	2050	111	I7H,I8H,I13H, I14H,I15H
	8J03C		8J06C	2050	112	I7H,I8H,I13H, I14H,I15H
	8J04E		8J07E	2050	112	I7H,I8H,I13H, I14H,I15H
	8J03B		8J07B	2050	111	I7H,I8H
	8J03E		8J02E	2050	112	I7H,I8H
	8J04B		8J07B	2050	111	I7H,I8H
	8J04F		8J03F	2050	113	I7H,I8H

50 000000

	5J25A		5J26A	0651	163	I41H,I42H,I44H, I45H,I47H,I48H, I36L,I40L,I51L, I52L,I54L
	5J24A		5J23A	0651	164	I41H,I42H,I45H, I47H,I48H,I36L, I40L,I51L,I52L, I54L
	6J21E		6J22E	0651	174	I36H,I40H,I42H, I48H,I36L,I40L,

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TABLE 8-52. SECONDARY ISOLATION TABLE FOR TABLE 8-22.

SYMPTOM	B	SWAP	TYPE	PLATE	FAULT
LOC					
5J21A		5J22A	0651	165	I42L, I52L, I54L I45H, I47H, I48H, I36L, I40L, I51L, I52L, I54L
6J25E		6J26E	0651	172	I44H, I48H, I40L, I42L
6J24E		6J23E	0651	173	I48H, I40L, I42L
5J21C		5J19C	0761	135, 136, 138, 175	I28H, I31H, 045H, 052H, I25H*I28H, I31H*I32H
5J23C		5J13C	0761	135, 138, 175	I28H, 052H, I25H* I28H
5J33C		6J33C	0900	136, 135, 145	I31H, 09H*010H
6J23C		6J21C	0761	135, 138, 175	I25H
5J35C		6J33C	0900	136, 135, 145	I23H
8J03G		8J07G	2050	113	I13H, I14H, I15H
8J04F		8J06F	2050	113	I13H, I14H, I15H
8J03F		8J06F	2050	113	I7H, I6H

50	777777				
5J35C		5J33C	0900	136, 135, 145	021H*022H, 029H* 030H

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TABLE 8-53. SECONDARY ISOLATION TABLE FOR TABLE 8-23.

SYMPTOM	CHAND				
LOC	SWAP	TYPE	PLATE	FAULT	

LOCATE SYMPTOM, THEN DATA					

26	0017				
2J01E	2J27D	2013	06	I7H, I8H, I9H	
2J23C	2J01C	2013	06	I5H, I6H, 013H*	
				014H*015H	
2J02D	2J12D	2070	65A, 70	I6L, 012H	
3J13D	3J04D	2070	07, 29, 10	014L, I9H	
3J14A	3J12A	2070	08, 27, 107	I9L, 014H	
2J04B	2J03B	2020	69A	I13H, I14H, I15H	
2J05B	2J28B	2020	69A	I13H, I14H, I15H	
2J30G	2J35D	2930	69A, 70	I7H	

26	0037				
2J04B	2J02B	2020	69A	I14L, I5H, I6H,	
				I7H, 011H*012L,	
				I13L*I14L*I15L,	
				011H	
2J05B	2J28B	2020	69A	I14L, I5H, I6H,	
				I7H, 011H*012L,	
				I13L*I14L*I15L,	
				011H	
2J30G	2J35D	2930	69A, 70	I9H, 013H*015L,	
				I7L*I14L, 013H	
2J30E	2J31E	2040	69A	I5L, I8L, 015H,	
				I5L*I6L, I7L*I8L,	
				I9L*I10L, I11L*	
				I12L, I13L*I14L	
2J01E	2J27D	2013	06	I5H, I6H	
2J06B	2J07B	2060	66, 69, 69A	013L, I5H, I6H,	
				I7H	
2J12D	2J02D	2070	57, 58, 65A	I7L, 013H	
2J16F	2J12F	2070	58, 60, 69A	I6L, 012H	
2J03B	2J02B	2020	69A	I8H, I9H, I10H	

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			

LOCATE SYMPTOM, THEN DATA						

370	003522	X000	X000	000000	3	
4J04A	4J21A	2070	47,33			I10L,015L,I10H, 015H
4J03A	4J31A	2050	33			010L,010H,I11L* I12L,I13L*I14L* I15L
3J04A	3J05A	2040	20			I12L,I11H,I12H
3J06F	3J13F	2060	17			I5L
3J16B	3J08B	2060	48,27,36			I11L

370	003522	X000	X000	000000	4	
4J26C	4J24C	2070	92,95,100			I5L,011L,I5H, 011H
4J13A	4J11A	2920	33			I5L,I10L,I8H, I9H,I10H
4J25E	4J13E	2050	91,92			I6L,I8L
3J04A	3J05A	2040	20			I13H,I14H
3J06G	3J03G	2040	17			I5H,I6H
3J03D	3J06D	2920	20			I12L
4J25C	4J23C	2920	92			I9L

539	005245	X000	X020	000000	4	
1J27C	1J23C	2013	59,60			010L*011L*012L
1J33D	1J28D	2020	62			I13L

539	005245	X020	X000	000000	4	
1J27D	1J09D	2013	59,60			I7L,010L*011L* 012L
1J33E	1J33D	2020	61			I13L

1099	011452	X016	X014	017102	2	
2J33E	2J33D	2020	61			I8H,I9H,I10H
2J15D	2J15C	2920	61			I10L

1099	011452	X034	X016	017102	2	
2J33D	2J28D	2020	62			I8H,I9H,I10H
2J15C	2J15B	2920	62			I10L

1100	011452	X003	X014	017104	2	
1J15D	1J15C	2920	61			I6L,I10L

1100	011452	X023	X014	017104	2	
1J33E	1J33D	2020	61			I8H,I9H,I10H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1100	011452	X034	X003	017104	2	
1J15C	1J15B	2920	62			I6L,I10L
1100	011452	X034	X023	017104	2	
1J33D	1J28D	2020	62			I8H,I9H,I10H
1100	011452	X034	X034	000000	2	
0J13D	0J08D	2020	68			I5L,I8L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
9J13D	9J08D	2020	68			I5L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
0J09A	0J07A	2060	65A,66,69A			013L,I5H,I6H, I7H
9J09A	9J07A	2060	65,66,69			013L,I5H,I6H, I7H
0J11A	0J14A	2070	56,57,60,66,69A			I10L,015H
0J14C	0J25C	2070	58			012L,I6H
0J16F	0J12F	2070	58,60,69A			011L,I5H
9J11A	9J14A	2070	56,57,60,66,69			I10L,015H
9J14C	9J25C	2070	58			012L,I6H
9J16F	9J12F	2070	58,60,69			011L,I5H
0J33B	0J28B	2020	64			I8H,I9H,I10H
0J33C	0J28C	2020	63			I8H,I9H,I10H
0J33D	0J28D	2020	62			I8H,I9H,I10H
0J33E	0J28A	2020	61			I8H,I9H,I10H
9J33B	9J28B	2020	64			I8H,I9H,I10H
9J33C	9J28C	2020	63			I8H,I9H,I10H
9J33D	9J28D	2020	62			I8H,I9H,I10H
9J33E	9J28D	2020	61			I8H,I9H,I10H
8J08D	8J07D	2013	21			I8L
8J10A	8J04A	2040	106			I5L,I7L,I10L
8J14A	8J15A	2000	114			I9L,I11L
3J02D	3J31D	2050	16,25			I11H,I12H
8J35B	8J34B	3780	130			I10L
8J08A	8J09A	2900	118			I10L
3J20C	3J19C	2060	45			I10L
3J27C	3J26C	2060	14			I12L
3J12B	3J09B	2020	27			I6L
8J10B	8J10C	2040	106			I14L
0J15A	1J15A	2920	64			I10L
0J15B	1J15A	2920	63			I10L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
0J15C	1J15A	2920	62			I10L
0J15D	1J15A	2920	61			I10L
9J15A	8J13G	2920	64			I10L
9J15B	8J13G	2920	63			I10L
9J15C	8J13G	2920	62			I10L
9J15D	8J13G	2920	61			I10L
<hr/>						
1100	011452	X034	X034	017104	2	
1J13D	1J28D	2020	68			I5L, I8L, I13H, I14H, I15H, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
1J08D	1J04D	2020	68			I13H, I14H, I15H, 011L* 012H, I5L* I6L* I7L, I8L* I9L* I10L, 012H
1J09A	1J07A	2060	65, 66, 69			013L, I5H, I6H, I7H
1J11A	1J14A	2070	56, 57, 60, 66, 69			I10L, 015H
1J14C	1J25C	2070	58			012L, I6H
1J16F	1J12F	2070	58, 60, 69			011L, I5H
1J33B	1J28B	2020	64			I8H, I9H, I10H
1J33C	1J28C	2020	63			I8H, I9H, I10H
1J15A	1J15C	2920	64			I10L
1J15B	1J15C	2920	63			I10L
<hr/>						
1103	011463	X016	X014	017102	2	
2J11D	2J07D	2900	68			I12H, 06H* 08L, 06H
2J26B	2J21B	2060	63, 69A			015L, I11H, I12H
2J25D	2J12D	2070	61, 64			I10L, 015H
2J15D	2J15C	2920	61			I6L
<hr/>						
1103	011463	X034	X016	017102	2	
2J11D	2J07D	2900	68			I9H, 013H* 015L, 013H
2J27G	2J26D	2060	69A			013L, I5H, I6H, I7H
2J25C	2J14C	2070	62, 63			I10L, 015H
2J15C	2J15B	2920	62			I6L
<hr/>						
1103	011463	X034	X034	017102	2	
2J03A	2J16A	2013	68			I7H, I8H, I9H, 010H* 011H* 012H
2J09D	2J27D	2013	58			I5H, I6H, 013L* 014L* 015L, 013H*

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
2J23C	2J27C	2013	06			014H*015H 17H,18H,19H, 010H*011H*012H
2J07D	2J06D	2900	68			19H,112H,06H* 08L,013H*015L, 06H,013H
2J02B	2J03B	2020	69A			113L,115L,15H, 16H,17H,011H* 012L,113L*114L* 115L,011H
2J276	2J26D	2060	69A			014L,015L,18H, 19H,110H,111H, 112H
2J01C	2J27C	2013	06			17L,010L*011L* 012L
2J01E	2J27D	2013	06			17L,010L*011L* 012L
2J10D	2J21D	2060	58,68			111L,112L,015H, 111L*112L
2J14C	2J25C	2070	58			011L,15H
2J25A	2J20A	2070	61,64			110L,015H
2J25B	2J35A	2070	62,63			110L,015H
2J15A	2J15C	2920	64			16L
2J15B	2J15C	2920	63			16L

1104	011463	X033	X014	407105	2	
1J26B	1J21B	2060	63,69			015L,111H,112H
1J25D	1J12D	2070	61,64			110L,015H

1104	011463	X034	X014	017104	2	
1J11D	1J07D	2900	68			112H,06H*08L, 06H

1104	011463	X034	X033	407105	2	
1J276	1J26D	2060	69			013L,15H,16H, 17H
1J25C	1J14C	2070	62,63			110L,015H

1104	011463	X034	X034	000000	2	
0J276	0J26D	2060	69A			013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
9J276	9J26D	2060	69			013L,014L,015L, 15H,16H,17H,18H, 19H,110H,111H, 112H
0J09D	0J27D	2013	58			15L,15H,16H,

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM LOC	S1 SWAP	CHAN1 TYPE	CHAN3 PLATE	CO	ICR	FAULT
9J09D	9J27D	2013	58			013L*014L*015L, 013H*014H*015H 15L,15H,16H, 013L*014L*015L, 013H*014H*015H
0J03A	0J16A	2013	68			17H,18H,19H, 010H*011H*012H
0J23C	0J27C	2013	06			17H,18H,19H, 010H*011H*012H
7J09E	7J31D	2013	14			16L,15H,16H, 013H*014H*015H
9J03A	9J16A	2013	68			17H,18H,19H, 010H*011H*012H
9J23C	9J27C	2013	06			17H,18H,19H, 010H*011H*012H
0J07D	0J06D	2900	68			19H,12H,06H* 08L,013H*015L, 06H,013H
0J11D	0J03E	2900	68			19H,12H,06H* 08L,013H*015L, 06H,013H
9J07D	9J06D	2900	68			19H,12H,06H* 08L,013H*015L, 06H,013H
9J11D	9J03E	2900	68			19H,12H,06H* 08L,013H*015L, 06H,013H
7J03A	7J21A	2020	106			18L,19L,113H, 114H,115H,011L* 012H,15L*16L* 17L,18L*19L* 110L,012H
0J02B	0J03B	2020	69A			113L,115L,15H, 16H,17H,011H* 012L,113L*114L* 115L,011H
9J02B	9J03B	2020	69			113L,115L,15H, 16H,17H,011H* 012L,113L*114L* 115L,011H
8J10C	8J04A	2040	106			15L,17L,110L, 112L,113L,015H, 15L*16L,17L*18L, 19L*110L,111L* 112L,113L*114L
8J10D	8J10G	2040	106			15L,18L,110L, 111L,114L,015H, 15L*16L,17L*18L,

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM LOC	S1 SWAP	CHAN1 TYPE	CHAN3 PLATE	CO	ICR FAULT
8J10E	8J10G	2040	106		I9L*I10L,I11L* I12L,I13L*I14L I6L,I7L,I10L, I11L,I14L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
8J10F	8J10G	2040	106		I6L,I7L,I10L, I11L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
8J05G	7J02E	2160	106		015L,I6H,I7H, I8H,I9H,I10H, I11H,I12H,I13H
8J10B	8J04A	2040	106		I6L,I7L,I10L, I11L,015H,I5L* I6L,I7L*I8L,I9L* I10L,I11L*I12L, I13L*I14L
8J10A	8J04A	2040	106		I12L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
0J01C	0J27C	2013	06		I7L,010L*011L* 012L
0J01E	0J27D	2013	06		I7L,010L*011L* 012L
9J01C	9J27C	2013	06		I7L,010L*011L* 012L
9J01E	9J27D	2013	06		I7L,010L*011L* 012L
8J09G	8J07G	2050	106,120		I6L,I7L,09H,I5L* I6L,I7L*I8L
0J10D	0J21D	2060	58,68		I11L,I12L,015H, I11L*I12L
9J10D	9J21D	2060	58,68		I11L,I12L,015H, I11L*I12L
0J26B	0J21B	2060	63,69A		015L,I11H,I12H
7J19C	7J22C	2060	53		015L,I11H,I12H
9J26B	9J21B	2060	63,69		015L,I11H,I12H
0J14C	0J35A	2070	58		011L,I5H
0J25A	0J20A	2070	61,64		I10L,015H
0J25B	0J35A	2070	62,63		I10L,015H
0J25C	0J02D	2070	62,63		I10L,015H
0J25D	0J12D	2070	61,64		I10L,015H
7J03G	7J29F	2070	26,35,53		I5L,011H
7J09G	7J03B	2070	36,53		I9L,014H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
9J14C	9J35A	2070	58			011L, 15H
9J25A	9J20A	2070	61,64			110L, 015H
9J25B	9J35A	2070	62,63			110L, 015H
9J25C	9J02D	2070	62,63			110L, 015H
9J25D	9J12D	2070	61,64			110L, 015H
7J04D	7J03D	2013	23,106			013L*014L*015L
3J06E	3J04E	2060	24,19			15L, 16L
8J34C	8J33C	3780	129			110L
7J12B	7J02A	2160	106,107			15L, 014H
7J18A	7J33C	2040	30			19L, 111L
3J02B	3J06B	2060	21,18			110L
3J02C	3J04C	2060	30,15,21			18L
8J06D	7J25F	2220	34,107			111H
0J15A	1J15A	2920	64			16L
0J15B	1J15A	2920	63			16L
0J15C	1J15A	2920	62			16L
0J15D	1J15A	2920	61			16L
3J09A	3J07A	2920	23			18L
9J15A	8J13G	2920	64			16L
9J15B	8J13G	2920	63			16L
9J15C	8J13G	2920	62			16L
9J15D	8J13G	2920	61			16L

1104	011463	X034	X034	017104	2	
1J01E	1J27D	2013	06			15L, 17L, 010L* 011L*012L, 013L* 014L*015L
1J03A	1J16A	2013	68			17H, 18H, 19H, 010H*011H*012H
1J09D	1J27D	2013	58			15H, 16H, 013L* 014L*015L, 013H* 014H*015H
1J23C	1J27C	2013	06			17H, 18H, 19H, 010H*011H*012H
1J07D	1J06D	2900	68			19H, 112H, 06H* 08L, 013H*015L, 06H, 013H
1J02B	1J04B	2020	69			113L, 115L, 15H, 16H, 17H, 011H* 012L, 113L*114L* 115L, 011H
1J27G	1J26D	2060	69			014L, 015L, 18H, 19H, 110H, 111H, 112H
1J01C	1J27C	2013	06			17L, 010L*011L* 012L
1J11D	1J03E	2900	68			19H, 013H*015L,

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1J10D	1J21D	2060	58,68			013H I11L,I12L,015H, I11L*I12L
1J14C	1J25C	2070	58			011L,I5H
1J25A	1J20A	2070	61,64			I10L,015H
1J25B	1J35A	2070	62,63			I10L,015H
1J03B	1J04B	2020	69			I8L
1J15A	1J15C	2920	64			I6L
1J15B	1J15C	2920	63			I6L

1104	011463	X036	X036	000000	2	
7J19C	7J22C	2060	53			I11L,015H,I11L* I12L
7J096	7J036	2070	36,53			014L,I9H

1114	011670	X000	X000	017102	2	
1J08D	1J04D	2020	68			I14L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
1J13D	1J28D	2020	68			I8H,I9H,I10H, 011H*012L,I13L* I14L*I15L,011H
1J06B	1J07B	2060	66,69			014L,I8H,I9H, I10H
1J14A	1J11A	2070	66,69			I6L,012H
1J28A	1J02B	2020	64			I8H,I9H,I10H
1J32C	1J27C	2013	60,69			I5L

1114	011670	X002	X000	017102	2	
9J13D	9J08D	2020	68			I14L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
0J13D	0J08D	2020	68			I8H,I9H,I10H, 011H*012L,I13L* I14L*I15L,011H
0J32C	0J27C	2013	60,69A			I5L,013L*014L* 015L
9J32C	9J27C	2013	60,69			I5L,013L*014L* 015L
0J06B	0J07B	2060	66,69,69A			014L,I8H,I9H, I10H
9J06B	9J07B	2060	66,69			014L,I8H,I9H, I10H
0J26A	0J21A	2060	60,64			015L,I11H,I12H
9J26A	9J21A	2060	60,64			015L,I11H,I12H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
0J14A	0J11A	2070	65A,66,69			I6L,012H
9J14A	9J11A	2070	65,69,66			I6L,012H
0J28A	0J02B	2020	64			I8H,I9H,I10H
0J28B	0J05B	2020	63			I8H,I9H,I10H
0J28C	0J33C	2020	62			I8H,I9H,I10H
0J28D	0J33D	2020	61			I8H,I9H,I10H
9J28A	9J02B	2020	64			I8H,I9H,I10H
9J28B	9J05B	2020	63			I8H,I9H,I10H
9J28C	9J33C	2020	62			I8H,I9H,I10H
9J28D	9J33D	2020	61			I8H,I9H,I10H
7J09D	7J16D	2060	28,51,53			015H,I11L*I12L
8J31C	8J32C	3780	130			I10L
8J33B	8J32B	3780	130			I10L

1115	011670	X000	X000	017102	2	
2J13D	2J08D	2020	68			I6H,I9H,I10H, 011H*012L,I13L* I14L*I15L,011H
2J06B	2J07B	2060	66,69,69A			014L,I8H,I9H, I10H
2J26A	2J21A	2060	60,64			015L,I11H,I12H
2J14A	2J11A	2070	65A,66,69			I6L,012H
1J28B	1J05B	2020	63			I8H,I9H,I10H
2J28A	2J02B	2020	64			I8H,I9H,I10H
2J28B	2J05B	2020	63			I8H,I9H,I10H

1115	011670	X000	X000	502600	2	
8J34B	8J33B	3780	130			I5L

1115	011670	X000	X002	017102	2	
2J28C	2J33C	2020	62			I8H,I9H,I10H

1115	011670	X000	X012	000711	2	
8J33B	8J32B	3780	130			I5L

1115	011670	X000	X012	017102	2	
1J28C	1J33C	2020	62			I8H,I9H,I10H

1115	011670	X002	X000	017102	2	
2J28D	2J13D	2020	61			I8H,I9H,I10H

1115	011670	X012	X000	017102	2	
1J28D	1J13D	2020	61			I8H,I9H,I10H

1154	000140	X002	X000	017102	2	
2J29D	2J20D	2930	61,62			I9L

1154	000142	X002	X000	017102	2	

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1154	000144	X002	X000	017102	2	I9L
1J29D	1J20D	2930	61,62			
1154	000146	X002	X000	017102	2	I12L
2J29D	2J20D	2930	61,62			
1154	000150	X002	X000	017102	2	I9L
2J29B	2J20B	2930	63,64			
1154	000152	X002	X000	017102	2	I9L
1J29B	1J20B	2930	63,64			
1154	000154	X002	X000	017102	2	I12L
2J29B	2J20B	2930	63,64			
1154	000156	X002	X000	017102	2	I12L
1J29B	1J20B	2930	63,64			
1154	000340	X002	X000	017102	2	I9L
0J29D	0J20D	2930	61,62			
1154	000342	X002	X000	017102	2	I9L
9J29D	9J20D	2930	61,62			
1154	000344	X002	X000	017102	2	I12L
0J29D	0J20D	2930	61,62			
1154	000346	X002	X000	017102	2	I12L
9J29D	9J20D	2930	61,62			
1154	000350	X002	X000	017102	2	I9L
0J29B	0J20B	2930	63,64			
1154	000352	X002	X000	017102	2	I9L
9J29B	9J20B	2930	63,64			
1154	000356	X002	X000	017102	2	I10L, I5H, I10L + I12L, 08H + 06L, I9L + I10L, 08H I5L, I7L, 010L, 09H, I13H, I14H, I15H, I5L + I6L, I7L + I8L 014L, I8H, I9H, I10H
9J29B	9J20B	2930	63,64			
9J29C	9J20C	2050	56			
7J19B	7J16B	2060	53			

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
9J11B	9J10B	2030	66			011L, I12H, I13H, I14H, I15H
7J02F	7J03F	2060	53			I6L, 013H, I5L* I6L*I7L
9J26A	9J21A	2060	60,64			I6L, 013H, I5L* I6L*I7L
9J12F	9J16F	2070	56,57			012L, I6H
7J12A	7J14A	2900	50			I14H
9J09B	9J08B	2900	66			I5L
7J17G	7J13G	2050	49,51			I13L
-----	-----	-----	-----	-----	-----	-----
1155	000100	X002	X000	017102	2	
2J26D	2J21D	2060	61,69A			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000102	X002	X000	017102	2	
1J26D	1J21D	2060	61,69			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000104	X002	X000	017102	2	
2J26C	2J21C	2060	57,62			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000106	X002	X000	017102	2	
1J26C	1J21C	2060	57,62			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000106	X403	X400	017102	2	
1J29E	1J25D	2070	57,58,67			014L, I9H
-----	-----	-----	-----	-----	-----	-----
1155	000110	X002	X000	017102	2	
2J26B	2J21B	2060	63,69A			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000112	X002	X000	017102	2	
1J26B	1J21B	2060	63,69			014H, I8L*I9L* I10L
-----	-----	-----	-----	-----	-----	-----
1155	000114	X002	X000	017102	2	
2J26A	2J21A	2060	60,64			014H, I8L*I9L* I10L
2J09B	2J08B	2900	66			I14L
2J10B	2J11B	2030	66			011L
-----	-----	-----	-----	-----	-----	-----
1155	000116	X002	X000	017102	2	
1J10B	1J11B	2030	66			011L, I12H, I13H, I14H, I15H
1J26A	1J21A	2060	60,64			014H, I8L*I9L*

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
	1J09B	1J08B	2900	66		110L 114L
1155	000120	X002	X000	017102	2	
	2J21D	2J10D	2060	38,61		19L,014H,18L* 19L*I10L
	2J16D	2J17D	2930	38		17H
	7J19G	7J17G	2050	36,53		112L
1155	000122	X002	X000	017102	2	
	1J21D	1J10D	2060	38,61		19L,014H,18L* 19L*I10L
1155	000122	X202	X000	017102	2	
	1J16D	1J17D	2930	38		013L*015H,015H
1155	000124	X002	X000	017102	2	
	2J21C	2J18C	2060	38,62		19L,014H,18L* 19L*I10L
	2J16D	2J17D	2930	38		08H*06L,08H
1155	000126	X002	X000	017102	2	
	1J21C	1J18C	2060	38,62		19L,014H,18L* 19L*I10L
1155	000126	X002	X200	017102	2	
	1J16D	1J17D	2930	38		08H*06L,08H
1155	000126	X202	X200	017102	2	
	1J16D	1J17D	2930	38		110L,I10L*I12L, 19L*I10L
1155	000130	X002	X000	017102	2	
	2J21B	2J07B	2060	38,63		19L,014H,18L* 19L*I10L
	2J16B	2J17B	2930	38		013L*015H,015H
1155	000132	X002	X000	017102	2	
	1J21B	1J07B	2060	38,63		19L,014H,18L* 19L*I10L
	1J16B	1J17B	2930	38		013L*015H,015H
1155	000134	X002	X000	017102	2	
	2J16B	2J17B	2930	38		110L,I10L*I12L, 08H*06L,I9L*
	2J12A	2J04A	2030	66		110L,08H 112H,113H,114H, 115H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
2J21A	2J19A	2060	38,64			19L,014H,18L*
2J08B	2J09B	2900	66			19L*110L 15L
1155	000136	X0C2	X000	017102	2	
1J16B	1J17B	2930	38			110L,110L*112L, 08H*06L,19L*
1J12A	1J04A	2030	66			110L,08H 011L,112H,113H, 114H,115H
1J21A	1J19A	2060	38,64			19L,014H,18L*
1J08B	1J09B	2900	66			19L*110L 15L
1155	000136	X2C2	X200	017102	2	
1J16C	1J17C	2050	57			010L,111H,112H
1155	000136	X342	X340	017102	2	
1J12F	1J16F	2070	56,57			17L,013H
1155	000140	X002	X000	017102	2	
2J26D	2J21D	2060	61,69A			16L,013H,15L*
7J19G	7J17G	2050	36,53			16L*17L 115L
1155	000142	X002	X000	017102	2	
1J26D	1J21D	2060	61,69			16L,013H,15L*
						16L*17L
1155	000142	X102	X000	017102	2	
1J29D	1J20D	2930	61,62			013L*015H,015H
1155	000144	X002	X000	017102	2	
2J26C	2J21C	2060	57,62			16L,013H,15L*
2J29D	2J20D	2930	61,62			16L*17L 08H*06L,08H
1155	000146	X002	X000	017102	2	
1J26C	1J21C	2060	57,62			16L,013H,15L*
						16L*17L
1155	000146	X002	X100	017102	2	
1J29D	1J20D	2930	61,62			08H*06L,08H
1155	000146	X102	X100	017102	2	
1J29D	1J20D	2930	61,62			110L,110L*112L, 19L*110L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1155	000150	X002	X000	017102	2	
2J26B	2J21B	2060	63,69A			16L,013H,I5L* 16L*17L
2J29B	2J20B	2930	63,64			013L*015H,015H
1155	000152	X002	X000	017102	2	
1J26B	1J21B	2060	63,69			16L,013H,I5L* 16L*17L
1J29B	1J20B	2930	63,64			013L*015H,015H
1155	000154	X002	X000	017102	2	
2J29B	2J20B	2930	63,64			110L,I10L*I12L, 08H*06L,I9L* I10L,08H
2J11B	2J10B	2030	66			011L,I12H,I13H, I14H,I15H
2J29C	2J20C	2050	56			010L,I13H,I14H, I15H
2J26A	2J21A	2060	60,64			16L,013H,I5L* 16L*17L
2J09B	2J08B	2900	66			I5L
1155	000156	X002	X000	017102	2	
1J29B	1J20B	2930	63,64			110L,I10L*I12L, 08H*06L,I9L* I10L,08H
1J11B	1J10B	2030	66			011L,I12H,I13H, I14H,I15H
1J26A	1J21A	2060	60,64			16L,013H,I5L* 16L*17L
1J09B	1J08B	2900	66			I5L
1155	000156	X102	X100	017102	2	
1J29C	1J20C	2050	56			010L,I13H,I14H, I15H
1155	000160	X002	X000	017102	2	
2J21D	2J10D	2060	38,61			I12L,015H,I11L* I12L
1155	000162	X002	X000	017102	2	
1J21D	1J10D	2060	38,61			I12L,015H,I11L* I12L
1155	000162	X042	X000	017102	2	
1J19D	1J18D	2930	61,62			013L*015H,015H
1155	000162	X043	X000	017102	2	

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	LOC	S1	SWAP	CHAN1	TYPE	CHAN3	PLATE	CO	ICR	FAULT
	1J19D		1J18D		2930		61,62			I7H
1155	2J21C	000164	2J18C	X002	2060	X000	38,62	017102	2	I12L,015H,I11L* I12L
	2J19D		2J18D		2930		61,62			08H*06L,08H
1155	1J21C	000166	1J18C	X002	2060	X000	38,62	017102	2	I12L,015H,I11L* I12L
1155	1J19D	000166	1J18D	X002	2930	X040	61,62	017102	2	08H*06L,08H
1155	1J19D	000166	1J18D	X042	2930	X040	61,62	017102	2	I10L,I10L*I12L, I9L*I10L
1155	2J21B	000170	2J07B	X002	2060	X000	38,63	017102	2	I12L,015H,I11L* I12L
	2J19B		2J18B		2930		63,64			013L*015H,015H
1155	1J21B	000172	1J07B	X002	2060	X000	38,63	017102	2	I12L,015H,I11L* I12L
	1J19B		1J18B		2930		63,64			013L*015H,015H
1155	2J19B	000174	2J18B	X002	2930	X000	63,64	017102	2	I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
	2J12B		2J11B		2030		66			011L,I12H,I13H, I14H,I15H
	2J21A		2J19A		2060		38,64			I12L,015H,I11L* I12L
	2J08B		2J09B		2900		66			I14L
1155	1J19B	000176	1J18B	X002	2930	X000	63,64	017102	2	I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
	1J12B		1J11B		2030		66			011L,I12H,I13H, I14H,I15H
	1J21A		1J19A		2060		38,64			I12L,015H,I11L* I12L
	1J08B		1J09B		2900		66			I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1155	000176	X042	X04G	017102	2	010L, I13H, I14H, I15H
	1J19C	1J17C	2050	56		
1155	000300	X002	X000	017102	2	014H, I8L*I9L* I10L
	0J260	0J210	2060	61,69A		
1155	000302	X002	X000	017102	2	014H, I8L*I9L* I10L
	9J260	9J210	2060	61,69		
1155	000304	X002	X000	017102	2	014H, I8L*I9L* I10L
	0J26C	0J21C	2060	57,62		
1155	000306	X002	X000	017102	2	014H, I8L*I9L* I10L
	9J26C	9J21C	2060	57,62		
1155	000310	X002	X000	017102	2	014H, I8L*I9L* I10L
	0J26B	0J21B	2060	63,69A		
1155	000312	X002	X000	017102	2	014H, I8L*I9L* I10L
	9J26B	9J21B	2060	63,69		
1155	000314	X002	X000	017102	2	011L, I12H, I13H, I14H, I15H 014H, I8L*I9L* I10L I14L
	0J10B	0J11B	2030	66		
	0J26A	0J21A	2060	60,64		
	0J09B	0J08B	2900	66		
1155	000316	X002	X000	017102	2	011L, I12H, I13H, I14H, I15H 014H, I8L*I9L* I10L I14L
	9J10B	9J11B	2030	66		
	9J26A	9J21A	2060	60,64		
	9J09B	9J08B	2900	66		
1155	000320	X002	X000	017102	2	19L, 014H, I8L* I9L*I10L 013L*015H, 015H
	0J210	0J100	2060	38,61		
	0J160	0J170	2930	38		
1155	000322	X002	X000	017102	2	

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
9J21D	9J10D	2060	38,61			I9L,014H,I8L*
9J16D	9J17D	2930	38			I9L*I10L 013L*015H,015H
1155	000324	X002	X000	017102	2	
OJ16D	OJ17D	2930	38			I10L,I10L*I12L, 08H*06L,I9L*
OJ21C	OJ18C	2060	38,62			I10L,08H I9L,014H,I8L* I9L*I10L
1155	000326	X002	X000	017102	2	
9J16D	9J17D	2930	38			I10L,I10L*I12L, 08H*06L,I9L*
9J21C	9J18C	2060	38,62			I10L,08H I9L,014H,I8L* I9L*I10L
1155	000330	X002	X000	017102	2	
OJ21B	OJ07B	2060	38,63			I9L,014H,I8L* I9L*I10L
OJ16B	OJ17B	2930	38			013L*015H,015H
1155	000332	X002	X000	017102	2	
9J21B	9J07B	2060	38,63			I9L,014H,I8L* I9L*I10L
9J16B	9J17B	2930	38			013L*015H,015H
1155	000334	X002	X000	017102	2	
OJ16B	OJ17B	2930	38			I10L,I10L*I12L, 08H*06L,I9L*
OJ12A	OJ04A	2030	66			I10L,08H 011L,I12H,I13H, I14H,I15H
OJ21A	OJ19A	2060	38,64			I9L,014H,I8L* I9L*I10L
OJ12F	OJ16F	2070	56,57			I7L,013H
OJ16C	OJ17C	2050	57			010L,I11H,I12H
OJ08B	OJ09B	2900	66			I5L
1155	000336	X002	X000	017102	2	
9J16B	9J17B	2930	38			I10L,I10L*I12L, 08H*06L,I9L*
9J12A	9J04A	2030	66			I10L,08H 011L,I12H,I13H, I14H,I15H
9J21A	9J19A	2060	38,64			I9L,014H,I8L* I9L*I10L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
9J12F	9J16F	2070	56,57			17L,013H
9J16C	9J17C	2050	57			010L,I11H,I12H
9J08B	9J09B	2900	66			15L
1155	000340	X002	X000	017102	2	
0J26D	0J21D	2060	61,69A			I6L,013H,I5L*
0J29D	0J20D	2930	61,62			I6L*I7L 013L*015H,015H
1155	000342	X002	X000	017102	2	
9J26D	9J21D	2060	61,69			I6L,013H,I5L*
9J29D	9J20D	2930	61,62			I6L*I7L 013L*015H,015H
1155	000344	X002	X000	017102	2	
0J29D	0J20D	2930	61,62			I10L,I10L*I12L, 08H*06L,I9L*
0J26C	0J21C	2060	57,62			I10L,08H I6L,013H,I5L* I6L*I7L
1155	000346	X002	X000	017102	2	
9J29D	9J20D	2930	61,62			I10L,I10L*I12L, 08H*06L,I9L*
9J26C	9J21C	2060	57,62			I10L,08H I6L,013H,I5L* I6L*I7L
1155	000350	X002	X000	017102	2	
0J26B	0J21B	2060	63,69A			I6L,013H,I5L* I6L*I7L
0J29B	0J20B	2930	63,64			013L*015H,015H
1155	000352	X002	X000	017102	2	
9J26B	9J21B	2060	63,69			I6L,013H,I5L* I6L*I7L
9J29B	9J20B	2930	63,64			013L*015H,015H
1155	000354	X002	X000	017102	2	
0J29B	0J20B	2930	63,64			I10L,I10L*I12L, 08H*06L,I9L*
0J11B	0J10B	2030	66			I10L,08H 011L,I12H,I13H, I14H,I15H
0J29C	0J20C	2050	56			010L,I13H,I14H, I15H
0J26A	0J21A	2060	60,64			I6L,013H,I5L* I6L*I7L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
	OJ09B	OJ08B	2900	66		I5L
1155	000360	X002	X000	017102	2	
	OJ21D	OJ10D	2060	38,61		I12L,015H,I11L* I12L
	OJ19D	OJ18D	2930	61,62		013L*015H,015H
1155	000362	X002	X000	017102	2	
	9J21D	9J10D	2060	38,61		I12L,015H,I11L* I12L
	9J19D	9J18D	2930	61,62		013L*015H,015H
1155	000364	X002	X000	017102	2	
	OJ19D	OJ18D	2930	61,62		I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
	OJ21C	OJ18C	2060	38,62		I12L,015H,I11L* I12L
1155	000366	X002	X000	017102	2	
	9J19D	9J18D	2930	61,62		I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
	9J21C	9J18C	2060	38,62		I12L,015H,I11L* I12L
1155	000370	X002	X000	017102	2	
	OJ21B	OJ07B	2060	38,63		I12L,015H,I11L* I12L
	OJ19B	OJ18B	2930	63,64		013L*015H,015H
1155	000372	X002	X000	017102	2	
	9J21B	9J07B	2060	38,63		I12L,015H,I11L* I12L
	9J19B	9J18B	2930	63,64		013L*015H,015H
1155	000374	X002	X000	017102	2	
	OJ19B	OJ18B	2930	63,64		I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
	OJ12B	OJ11B	2030	66		011L,I12H,I13H, I14H,I15H
	OJ19C	OJ17C	2050	56		010L,I13H,I14H, I15H
	OJ21A	OJ19A	2060	38,64		I12L,015H,I11L* I12L
	OJ08B	OJ09B	2900	66		I14L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1155	000376	X002	X000	017102	2	
9J19B	9J18B	2930	63,64			I10L,I10L*I12L, 08H*06L,19L* I10L,08H
9J12B	9J11B	2030	66			011L,I12H,I13H, I14H,I15H
9J19C	9J17C	2050	56			010L,I13H,I14H, I15H
9J21A	9J19A	2060	38,64			I12L,015H,I11L* I12L
9J08B	9J09B	2900	66			I14L
1157	000006	X002	X000	017102	2	
3J07D	3J06D	2920	22			I10L
1157	000100	X002	X000	017102	2	
7J18C	7J02C	2030	49,107			011L,I12H,I13H, I14H,I15H
7J16F	7J15F	2060	28,49			I11L,015H,I11L* I12L
1157	000116	X000	X000	607707	2	
7J13C	7J27B	2050	51			I14L
1157	000136	X000	X000	607707	2	
1J26A	1J21A	2060	60,64			015L,I11H,I12H
1J11A	1J14A	2070	56,57,60,66,69			I7L,013H
1J16C	1J17C	2050	57			I13H,I14H,I15H
1157	000142	X000	X000	607707	2	
1J05A	0J05A	2080	65			09H,I10L*I11L* I12L*I13L*I14L* I15L
1157	000146	X000	X000	607707	2	
1J02A	1J07A	2060	58,65			014L,I8H,I9H, I10H
1J04A	1J12A	2030	58,65			011H,I12L*I13L* I14L
7J13F	7J27F	2050	51			I14L
1157	000152	X000	X000	607707	2	
1J02A	1J07A	2060	58,65			015L,I11H,I12H
1J05A	0J05A	2080	65			05H,I6L*I7L*I8L
7J13G	7J02G	2050	51			I14L
1157	000156	X002	X000	017102	2	
7J14D	7J13D	2013	49			I5H,I6H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J11E	7J10E	2000	104			I11H, I12H
7J12A	7J14A	2900	50			I5H
1157	000174	X000	X000	607707	2	
7J03E	7J04E	2060	50			I9L, 013L, I5H, I6H, I7H
1J02A	1J07A	2060	58,65			013H, I5L*I6L* I7L
7J02E	7J28C	2160	50			I5L, 014H
1J09B	1J08B	2900	66			06H
1157	000174	X002	X000	017102	2	
7J03E	7J04E	2060	50			I12L
1157	000176	X000	X000	607707	2	
7J13D	7J12D	2013	50			I7H, I8H, I9H, 010H*011H*012H
1J07B	1J21B	2060	66			I12L, 014L, I8H, I9H, I10H, 015H, I11L*I12L
1J06B	1J21B	2060	66,69			I11L, 015H, I11L* I12L
7J13E	7J32E	2050	51			I13H, I14H, I15H
1J19C	1J17C	2050	56			I11H, I12H
1157	000176	X002	X000	017102	2	
7J03E	7J04E	2060	50			I11L, 015H, I11L* I12L
1157	000256	X002	X000	017102	2	
7J02G	7J13G	2050	22			I11L
1157	000300	X002	X000	017102	2	
7J14D	7J13D	2013	49			I7H, I8H, I9H, 010H*011H*012H
7J15D	7J18D	2013	49			I7H, I8H, I9H, 010H*011H*012H
7J16C	7J03C	2070	50,51			I7L, 013H
1157	000314	X002	X000	017102	2	
7J13C	7J27B	2050	51			I6L, 09H, I5L*I6L, I7L*I8L
7J14C	7J12C	2000	51			I9H, I10H
1157	000316	X002	X000	017102	2	
7J13C	7J27B	2050	51			I12L, 010H, I11L* I12L, I13L*I14L* I15L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J14C	7J12C	2000	51			15H,16H
1157	000334	X002	X000	017102	2	
0J11A	0J14A	2070	56,57,60,66,69A			17L,013H
0J16C	0J17C	2050	57			113H,114H,115H
1157	000336	X002	X000	017102	2	
9J11A	9J14A	2070	56,57,60,66,69			17L,013H
9J16C	9J17C	2050	57			113H,114H,115H
1157	000340	X002	X000	017102	2	
0J05A	1J05A	2080	65A			17L,09H,110L* 111L*112L*113L* 114L*115L
7J02B	7J15B	2060	22,23,49			19L
1157	000342	X002	X000	017102	2	
9J05A	8J04G	2080	65			17L,09H,110L* 111L*112L*113L* 114L*115L
1157	000344	X002	X000	017102	2	
0J02A	0J07A	2060	58,65A			112L,014L,18H, 19H,110H
0J18C	0J21C	2060	59A			014L,18H,19H, 110H
7J13F	7J27F	2050	51			16L,09H,15L*16L, 17L*18L
0J27C	0J23C	2013	59A,60			18L
7J11D	7J10D	2013	22			013H*014H*015H
7J14F	7J12F	2000	51			19H,110H
0J04A	0J12A	2030	58,65A			011H,112L*113L* 114L
1157	000346	X002	X000	017102	2	
9J02A	9J07A	2060	58,65			112L,014L,18H, 19H,110H
7J13F	7J27F	2050	51			112L,010H,111L* 112L,113L*114L* 115L
9J27C	9J23C	2013	59,60			17L
7J14F	7J12F	2000	51			15H,16H
7J26G	7J19G	2050	54,55			112L,113L
9J04A	9J12A	2030	58,65			011H,112L*113L* 114L
1157	000346	X002	X002	017102	2	
7J15G	7J30F	2060	51			19L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1157	000350	X002	X000	013102	2	
7J14G	7J126	2000	51			I9H, I10H
1157	000350	X002	X000	017102	2	
0J02A	0J07A	2060	58,65A			I9L, 015L, I11H, I12H
7J136	7J026	2050	51			I6L, 09H, I5L*I6L, I7L*I8L
0J18C	0J21C	2060	59A			015L, I11H, I12H
0J27B	0J14B	2013	59			I8L
0J05A	1J05A	2080	65A			05H, I6L*I7L*I8L
1157	000352	X002	X000	013102	2	
7J14G	7J126	2000	51			I5H, I6H
1157	000352	X002	X000	017102	2	
9J02A	9J07A	2060	58,65			I9L, 015L, I11H, I12H
7J136	7J026	2050	51			I12L, 010H, I11L* I12L, I13L*I14L* I15L
9J27B	9J14B	2013	59			I7L
9J05A	8J046	2080	65			05H, I6L*I7L*I8L
7J156	7J30F	2060	51			I11L
7J276	7J266	2050	55			I12L
1157	000354	X002	X000	013102	2	
7J14G	7J126	2000	51			I10L
1157	000354	X002	X000	017102	2	
0J02A	0J07A	2060	58,65A			I8L, I11L, 014H, 015H, I8L*I9L* I10L, I11L*I12L
0J14C	0J25C	2070	58			I10L, 014L, I9H, 015H
0J18A	0J10A	2060	59,69A,70			015L, I11H, I12H
7J15B	7J02B	2060	50			015L, I11H, I12H
7J13F	7J27F	2050	51			09L, I5H, I6H
7J136	7J026	2050	51			09L, I5H, I6H
0J27A	0J17A	2013	59,60			I8L
7J16B	7J19B	2060	50			014H, I8L*I9L* I10L
0J29B	0J20B	2930	63,64			I12L
7J14A	7J12A	2900	50			I14H
7J14F	7J12F	2000	51			I10L
3J11F	3J10F	2050	29			I11L

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J27G 0J04A	7J26G 0J12A	2050 2030	55 58,65A			I6L I5L
1157	000356	X000	X000	607707	2	
7J03E 7J12A	7J04E 7J14A	2060 2900	50 50			015L,I11H,I12H I5L
1157	000356	X002	X000	013102	2	
7J14G	7J12G	2000	51			I5L,I7L
1157	000356	X002	X000	017102	2	
9J02A	9J07A	2060	58,65			I8L,I11L,014H, 015H,I8L*I9L* I10L,I11L*I12L
9J14C	9J25C	2070	58			I10L,014L,I9H, 015H
7J23E	7J17E	2060	35,49,54			013L,I5H,I6H, I7H
7J23C	7J16C	2070	37,49			I10L,015H
7J13F	7J27F	2050	51			010L,I11H,I12H
7J13G	7J02G	2050	51			010L,I11H,I12H
9J27A	9J17A	2013	59,60			I8L
9J29B	9J20B	2930	63,64			I12L
7J14F	7J12F	2000	51			I5L
9J04A	9J12A	2030	58,65			I5L
1157	000357	X002	X000	017102	2	
7J15C	7J09C	2013	49			I8L,010L*011L* 012L
7J17C	7J26C	2900	52			I7L
3J07F	3J04F	2920	22			I13L
1157	000374	X002	X000	017102	2	
0J07B	0J21B	2060	66			I12L,014L,I8H, I9H,I10H,015H, I11L*I12L
0J06B	0J21B	2060	66,69,69A			I11L,015H,I11L* I12L
7J03E	7J04E	2060	50			I8L,014H,I6L* I9L*I10L
7J13E	7J32E	2050	51			09L,I5H,I6H
0J19C	0J17C	2050	56			I11H,I12H
7J14E	7J12E	2000	51			I10L
1157	000376	X002	X000	017102	2	
9J07B	9J21B	2060	66			I12L,014L,I8H, I9H,I10H,015H,

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	LOC	S1	SWAP	CHAN1 TYPE	CHAN3	PLATE	CO	ICR	FAULT
	7J13D		7J12D	2013		50			I11L*I12L I5H,I6H,013H* 014H*015H
	7J03E		7J04E	2060		50			014L,I8H,I9H, I10H,013H,I5L* I6L*I7L
	9J06B		9J21B	2060		66,69			I11L,015H,I11L* I12L
	7J16C		7J03C	2070		50,51			013L,I7H
	7J13E		7J32E	2050		51			010L,I11H,I12H
	7J17G		7J13G	2050		49,51			I13H,I14H,I15H
	7J14D		7J12D	2013		49			I8L
	7J15D		7J18D	2013		49			I8L
	9J19C		9J17C	2050		56			I11H,I12H
	7J14E		7J12E	2000		51			I5L
1158	7J13C	000114	7J27B	X000 2050	X000	51	607707	2	I8L
1158	2J11A 2J16C	000134	2J14A 2J17C	X000 2070 2050	X000	56,57,60,66,69A 57	607707	2	I7L,013H I13H,I14H,I15H
1158	2J05A	000140	1J05A	X000 2080	X000	65A	607707	2	09H,I10L*I11L* I12L*I13L*I14L* I15L
1158	2J05A	000140	1J05A	X000 2080	X012	65A	607707	2	I7L
1158	1J05A	000142	0J05A	X000 2080	X112	65	607707	2	I7L
1158	2J02A 2J04A 7J13F	000144	2J07A 2J12A 7J27F	X000 2060 2030 2050	X000	58,65A 58,65A 51	607707	2	014L,I8H,I9H, I10H 011H,I12L*I13L* I14L I8L
1158	2J18C 2J27C 2J02A	000144	2J21C 2J23C 2J07A	X012 2060 2013 2060	X010	59A 59A,60 58,65A	607707	2	014L,I8H,I9H, I10H I8L I12L
1158		000146		X000	X012		607707	2	

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
	1J27C	1J23C	2013	59,60		I7L
1158	000146	X112	X010	607707	2	
	1J02A	1J07A	2060	58,65		I12L
1158	000146	X112	X012	607707	2	
	1J18C	1J21C	2060	59		014L,18H,19H, I10H
	1J27C	1J23C	2013	59,60		I8L
1158	000150	X000	X000	607707	2	
	2J02A	2J07A	2060	58,65A		015L,I11H,I12H
	2J05A	1J05A	2080	65A		05H,I6L+I7L+I8L
	7J13G	7J02G	2050	51		I8L
1158	000150	X000	X012	607707	2	
	2J18C	2J21C	2060	59A		015L,I11H,I12H
	2J27B	2J14B	2013	59		I8L
1158	000150	X012	X010	607707	2	
	2J02A	2J07A	2060	58,65A		I9L
1158	000152	X000	X000	607707	2	
	1J27B	1J14B	2013	59		I7L
1158	000152	X000	X112	607707	2	
	1J18C	1J21C	2060	59		015L,I11H,I12H
	1J27B	1J14B	2013	59		I8L
1158	000152	X112	X010	607707	2	
	1J02A	1J07A	2060	58,65		I9L
1158	000154	X000	X000	607707	2	
	2J14C	2J25C	2070	58		I10L,014L,19H, 015H
	2J18A	2J10A	2060	59,69A,70		015L,I11H,I12H
	2J27A	2J17A	2013	59,60		I8L
	2J02A	2J07A	2060	58,65A		I11L,I11L+I12L
	7J13G	7J02G	2050	51		I7H,I8H
	2J04A	2J12A	2030	58,65A		I5L
1158	000154	X000	X012	607707	2	
	7J13F	7J27F	2050	51		I7H,I8H
	2J02A	2J07A	2060	58,65A		I8L
1158	000156	X000	X000	607707	2	
	1J14C	1J25C	2070	58		I10L,014L,19H, 015H

TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1J02A	1J07A	2060	58,65			I11L,015H,I11L* I12L
1J18A	1J10A	2060	59,69,70			015L,I11H,I12H
7J13G	7J02G	2050	51			I13H,I14H,I15H
1J27A	1J17A	2013	59,60			I8L
1J04A	1J12A	2030	58,65			I5L
115E	000156	X000	X112	607707	2	
1J02A	1J07A	2060	58,65			I8L,014H,I8L* I9L*I10L
7J13F	7J27F	2050	51			I13H,I14H,I15H
1158	000156	X431	X000	607707	2	
7J15B	7J02B	2060	50			I10L
1158	000174	X000	X000	607707	2	
2J07B	2J21B	2060	66			I12L,C14L,I8H, I9H,I10H,015H, I11L*I12L
2J06B	2J21B	2060	66,69,69A			I11L,015H,I11L* I12L
2J19C	2J17C	2050	56			I11H,I12H
7J13E	7J32E	2050	51			I7H,I8H
2J09B	2J08B	2900	66			06H
2J02A	2J07A	2060	58,65A			I5L*I6L*I7L
1158	000176	X000	X000	607707	2	
7J02E	7J28C	2160	50			014L,I5H
7J03E	7J04E	2060	50			I6L
1158	000344	X000	X112	607707	2	
0J27C	0J23C	2013	59A,60			I7L
1158	000350	X000	X000	607707	2	
0J27B	0J14B	2013	59			I7L
1158	000354	X000	X000	607707	2	
7J15A	7J16A	2060	50			I5L
1173	000120	X012	X010	607707	2	
2J16D	2J17D	2930	38			I9L
1173	000122	X012	X010	607707	2	
1J16D	1J17D	2930	-38			I9L
1173	000122	X232	X030	607707	2	
1J16D	1J17D	2930	38			I7H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1173	000124	X010	X032	607707	2	15H
2J16D	2J17D	2930	38			
1173	000124	X012	X010	607707	2	112L
2J16D	2J17D	2930	38			
1173	000126	X010	X232	607707	2	15H
1J16D	1J17D	2930	38			
1173	000126	X012	X010	607707	2	112L
1J16D	1J17D	2930	38			
1173	000130	X010	X010	607707	2	17H
2J16B	2J17B	2930	38			
1173	000130	X012	X010	607707	2	19L
2J16B	2J17B	2930	38			
1173	000132	X010	X010	607707	2	17H
1J16B	1J17B	2930	38			
1173	000132	X012	X010	607707	2	19L
1J16B	1J17B	2930	38			
1173	000134	X010	X010	607707	2	15L, 17L, 09H, 15L*
2J16C	2J17C	2050	57			16L, 17L*18L
2J16B	2J17B	2930	38			15H
1173	000134	X012	X010	607707	2	112L
2J16B	2J17B	2930	38			
1173	000136	X010	X010	607707	2	15L, 17L, 09H, 15L*
1J16C	1J17C	2050	57			16L, 17L*18L
1J16B	1J17B	2930	38			15H
1173	000136	X012	X010	607707	2	112L
1J16B	1J17B	2930	38			
1173	000140	X012	X010	607707	2	17H
2J29D	2J20D	2930	61,62			
1173	000154	X010	X010	607707	2	111H, 112H
2J29C	2J20C	2050	56			
1173	000156	X010	X010	607707	2	111H, 112H
1J29C	1J20C	2050	56			

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1173	000320	X012	X010	607707	2	
OJ16D	OJ17D	2930	38			I9L,I7H
1173	000322	X012	X010	607707	2	
9J16D	9J17D	2930	38			I9L,I7H
1173	000324	X012	X010	607707	2	
OJ16D	OJ17D	2930	38			I12L,I5H
1173	000326	X012	X010	607707	2	
9J16D	9J17D	2930	38			I12L,I5H
1173	000330	X012	X010	607707	2	
OJ16B	OJ17B	2930	38			I9L,I7H
1173	000332	X012	X010	607707	2	
9J16B	9J17B	2930	38			I9L,I7H
1173	000334	X012	X010	607707	2	
OJ16C	OJ17C	2050	57			I5L,I7L,09H,I5L*
OJ16B	OJ17B	2930	38			I6L,I7L*I8L I5H
1173	000336	X012	X010	607707	2	
9J16C	9J17C	2050	57			I5L,I7L,09H,I5L*
9J16B	9J17B	2930	38			I6L,I7L*I8L I5H
1173	000354	X012	X010	607707	2	
OJ29C	OJ20C	2050	56			I11H,I12H
1173	000356	X012	X010	607707	2	
9J29C	9J20C	2050	56			I11H,I12H
1178	000114	X010	X010	607707	2	
2J07B	2J06B	2060	66			O15L,I11H,I12H, O14H,I8L*I9L*
7J13E	7J32E	2050	51			I10L I8L
1178	000116	X010	X010	607707	2	
1J07B	1J06B	2060	66			O15L,I11H,I12H, O14H,I8L*I9L*
7J13E	7J32E	2050	51			I10L I14L
1178	000174	X010	X010	607707	2	

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J13C 2J08B	7J27B 2J09B	2050 2900	51 66			17H,18H 06H
1178	000174	X012	X010	607707	2	
0J08B 9J08B	0J09B 9J09B	2900 2900	66 66			06H 06H
1178	000176	X010	X010	607707	2	
7J13C 1J08B	7J27B 1J09B	2050 2900	51 66			113H,114H,115H 06H
1178	000314	X012	X010	607707	2	
0J07B	0J06B	2060	66			015L,111H,112H, 014H,18L*19L* 110L
7J13E	7J32E	2050	51			16L,09H,15L*16L, 17L*18L
7J14E	7J12E	2000	51			19H,110H
1178	000316	X012	X010	607707	2	
9J07B	9J06B	2060	66			015L,111H,112H, 014H,18L*19L* 110L
7J13E	7J32E	2050	51			112L,010H,111L* 112L,113L*114L* 115L
7J11F 7J14E	7J10F 7J12E	2000 2000	104 51			111H,112H 15H,16H
1178	000334	X012	X010	607707	2	
0J16B	0J17B	2930	38			112L
1178	000336	X012	X010	607707	2	
9J16B	9J17B	2930	38			112L
1178	000374	X012	X010	607707	2	
7J13C 7J14C	7J27B 7J12C	2050 2000	51 51			09L,15H,16H 110L
1178	000376	X012	X010	607707	2	
7J13C 7J12F 7J14C	7J27B 7J11F 7J12C	2050 2000 2000	51 104 51			010L,111H,112H 112L 15L
1299	012246	X032	X030	607707	2	
7J02F	7J03F	2060	53			013L,15H,16H, 17H
7J19G	7J17G	2050	36,53			010L,113H,114H,

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J19B	7J16B	2060	53			I15H I9L,014H,I8L* I9L*I10L
7J036	7J096	2070	26,35,53			I6L,012H
3J08E	3J07E	2920	22			I8H,I9H,I10H

1299	012246	X332	X330	607707	2	
7J22D	7J17D	2060	49			013L,014L,I5H, I6H,I7H,I8H,I9H, I10H
3J26G	3J11G	2040	12			I5L,I7L,I9L, I11L,I13L,015H, I5L*I6L,I7L*I8L, I9L*I10L,I11L* I12L,I13L*I14L
3J10C	3J13C	2020	28			I13H,I14H,I15H, 011L*012H,I5L* I6L*I7L,I8L*I9L* I10L,012H
3J11B	3J18B	2050	28			I5L,010L,09H, I5L*I6L,I7L*I8L
3J28C	3J30C	2900	12			I9H,013H*015L, 013H
3J13F	3J06F	2060	29,28			014L,I8H,I9H, I10H
3J16A	3J13A	2060	48,28			I12L,015H,I11L* I12L
7J23E	7J17E	2060	35,49,54			I6L,013H,I5L* I6L*I7L
3J08F	3J22F	2070	16,52,33,12			014L,I9H
3J23A	3J03E	2030	41			011H,I12L*I13L* I14L

1306	000140	X000	X002	017102	2	
2J10A	2J09A	2060	65,65A			I5L,013H,I5L* I6L*I7L
2J14A	2J11A	2070	65A,66,69			011L,I5H
2J04A	2J12A	2030	58,65A			I13L

1306	000142	X000	X102	017102	2	
1J10A	1J09A	2060	65			I5L

1306	000156	X000	X000	017102	2	
1J26B	1J21B	2060	63,69			I5L

1306	000156	X000	X102	017102	2	
1J26C	1J21C	2060	57,62			I5L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1306	000156	X102	X000	017102	2	
1J26D	1J21D	2060	61,69			I5L
1306	000340	X002	X000	017102	2	
0J10A	0J09A	2060	65,65A			I5L,013H,I5L*
0J14A	0J11A	2070	65A,66,69			I6L*I7L
0J04A	0J12A	2030	58,65A			011L,I5H
1306	000342	X002	X000	017102	2	
9J10A	9J09A	2060	65			I5L
1306	000344	X000	X002	017102	2	
7J13F	7J27F	2050	51			I7L
1306	000346	X010	X102	017102	2	
7J13F	7J27F	2050	51			I13L
1306	000350	X000	X000	017102	2	
7J13D	7J12D	2013	50			I8L
7J13G	7J02G	2050	51			I7L
1306	000352	X010	X010	017102	2	
7J13D	7J12D	2013	50			I7L,010L*011L*
7J13G	7J02G	2050	51			012L
						I13L
1306	000356	X002	X000	017102	2	
9J26B	9J21B	2060	63,69			I5L
9J26C	9J21C	2060	57,62			I5L
9J26D	9J21D	2060	61,69			I5L
1317	000100	X002	X000	017102	3	
2J24D	2J23D	2090	61,62			010L
2J26D	2J21D	2060	61,69A			I9L
1317	000102	X002	X000	017102	3	
1J26D	1J21D	2060	61,69			I9L
1317	000102	X003	X000	017102	3	
1J31D	1J35D	2930	61,62			I5L*I14L
1317	000102	X402	X000	017102	3	
1J31D	1J35D	2930	61,62			013L*015H,015H
1317	000102	X403	X000	000000	3	
1J13F	1J14F	2013	58			I5H,I6H,I7H,I8H,
						I9H,010H*011H*

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM LOC	S1 SWAP	CHAN1 TYPE	CHAN3	PLATE	CO	ICR	FAULT
7J18G	7J18F	2030		53			012H, 013H*014H* 015H 011L, I13L, 011H, I12H, I13H, I14H, I15H, I12L*I13L* I14L
1J12D	1J02D	2070		57, 58, 65			I6L, 012L, 16H, 012H
1J01C	1J23C	2013		06			I5L, 013L*014L* 015L
7J17A	7J14A	2900		52			I5H, 06H*08L, 06H
1J10D	1J21D	2060		58, 68			I5L, I6L, 013H, I5L*I6L*I7L
7J17D	7J16D	2060		52			I12L, 015H, I11L* I12L
7J18E	4J03G	2920		52			015L, I11H, I12H, I13H, I14H

1317	000102	X403	X000		017101	3	
7J17B	7J14B	2900		52			I9L, I14L, 013L* 015H, 015H

1317	000102	X403	X000		017102	3	
1J35E	1J35C	2050		61, 62			09L, 010L, I11L, I13L, I5H, I6H, 010H, I11H, I12H, I11L*I12L, I13L* I14L*I15L
1J15F	1J14F	2013		59			I5L, I7L, 010L* 011L*012L, 013L* 014L*015L
1J10C	1J09C	2130		68			I10L, I9H, I10H, I11H
1J30D	1J29D	2930		61, 62			I5H, I10L*I12L, 08H*06L, 08H
1J22C	1J34C	2030		62			011L, I14L, I12H, I13H, I14H, I15H
1J31D	1J35D	2930		61, 62			I12H, 08L*06H, 06H
7J32E	7J13E	2050		07, 52			I12L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
7J17C	7J26C	2900		52			I14H, 013H*015L, 013H
1J24D	1J23D	2090		61, 62			010L, I5H, 011H
1J12C	1J11C	2130		68			I10L, I9L*I10L* I11L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
7J13B	7J23B	2050	50			010L, I13H, I14H, I15H
1J26D	1J21D	2060	61, 69			015L, I11H, I12H
7J17E	7J15E	2060	52			I12L, 015H, I11L* I12L
7J19F	7J16F	2060	26, 52			I9L, 014H, I8L* I9L*I10L
1J25C	1J14C	2070	62, 63			I9L, 014H
7J03G	7J09G	2070	26, 35, 53			014L, I9H
3J08E	3J07E	2920	22			I12L, I11H, I12H, I13H, I14H
1J22D	1J34D	2030	61			I13L, I14L, I15L
1J31A	1J22A	2030	65			I12L, 011H, I12L* I13L*I14L
4J05D	4J04D	2013	17, 26			I8L
1J17C	1J16C	2050	56, 57			I5H, I6H
1J08A	1J06A	2900	65			I9H
3J28B	3J30B	2900	12			I10L
7J12A	7J14A	2900	50			I10L
7J14B	7J17B	2900	50			I14L
1J30E	1J31E	2040	69			I9H, I10H
3J08D	3J05D	2060	22			I7L
7J15A	7J16A	2060	50			I12L
7J14F	7J12F	2000	51			I7L
3J10C	3J13C	2020	28			I10L
3J11D	3J33D	2020	28			I14L
1J10B	1J11B	2030	66			I7L

1317	000102	X403	X400	017102	3	
1J26C	1J21C	2060	57, 62			014L, I8H, I9H, I10H
1J32A	1J31A	2030	65			I12L

1317	000104	X002	X000	017102	3	
2J31D	2J30D	2930	61, 62			I10L, 08H*06L, 08H
2J24D	2J23D	2090	61, 62			011L, I6H
2J26C	2J21C	2060	57, 62			I9L
2J22C	2J34C	2030	62			I15L

1317	000106	X002	X000	017102	3	
1J26C	1J21C	2060	57, 62			I9L

1317	000106	X002	X400	017102	3	
1J31D	1J35D	2930	61, 62			08H*06L, 08H

1317	000106	X002	X401	017102	3	
1J24D	1J23D	2090	61, 62			011L, I6H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1J10C	1J09C	2130	68			I9L*I10L*I11L
1J22C	1J34C	2030	62			I13L,I15L
3J08A	3J10A	2050	17,23			I11L
1317	000106	X402	X400	017102	3	
1J31D	1J35D	2930	61,62			I10L,I10L*I12L, I9L*I10L
1317	000106	X403	X402	017102	3	
1J11D	1J07D	2900	68			I10L
1317	000110	X002	X000	017102	3	
2J31B	2J30B	2930	63,64			013L*015H,015H
2J24A	2J23A	2090	63,64			010L
2J26B	2J21B	2060	63,69A			I9L
1317	000112	X002	X000	017102	3	
1J31B	1J30B	2930	63,64			013L*015H,015H
1J24A	1J23A	2090	63,64			010L,I5H
1J26B	1J21B	2060	63,69			I9L
1J22B	1J12B	2030	63			I15L
1317	000114	X002	X000	017102	3	
2J31B	2J30B	2930	63,64			I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
2J24A	2J23A	2090	63,64			011L,I6H
2J31C	2J30C	2050	56			I11H,I12H
2J26A	2J21A	2060	60,64			I9L
2J22A	2J12A	2030	64			I15L
1317	000116	X002	X000	017102	3	
1J31B	1J30B	2930	63,64			I10L,I10L*I12L, 08H*06L,I9L* I10L,08H
1J24A	1J23A	2090	63,64			011L,I6H
1J26A	1J21A	2060	60,64			I9L
1J22A	1J12A	2030	64			I15L
1317	000116	X402	X400	017102	3	
1J31C	1J30C	2050	56			010L,I11H,I12H
1317	000300	X002	X000	017102	3	
0J24D	0J23D	2321	61,62			010L,I5H
0J31D	0J30D	2930	61,62			013L*015H,015H
0J26D	0J21D	2060	61,69A			I9L
0J22D	0J34D	2030	61			I15L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1317	000302	X002	X000	017102	3	
9J31D	9J30D	2930	61,62			013L*015H,015H
9J31C	9J30C	2050	56			I13H,I14H,I15H
9J26D	9J21D	2060	61,69			I9L
1317	000304	X002	X000	017102	3	
0J31D	0J30D	2930	61,62			I10L,I10L*I12L, 08H*06L,I9L*
0J24D	0J23D	2321	61,62			I10L,08H
0J26C	0J21C	2060	57,62			011L,I6H
0J22C	0J34C	2030	62			I9L
						I15L
1317	000306	X002	X000	017102	3	
9J31D	9J30D	2930	61,62			I10L,I10L*I12L, 08H*06L,I9L*
9J24D	9J23D	2321	61,62			I10L,08H
9J26C	9J21C	2060	57,62			011L,I6H
9J22C	9J34C	2030	62			I9L
						I15L
1317	000310	X002	X000	017102	3	
0J24A	0J23A	2321	63,64			010L,I5H
0J31B	0J30B	2930	63,64			013L*015H,015H
0J26B	0J21B	2060	63,69A			I9L
0J22B	0J12B	2030	63			I15L
1317	000312	X002	X000	017102	3	
9J31B	9J30B	2930	63,64			013L*015H,015H
9J26B	9J21B	2060	63,69			I9L
1317	000314	X002	X000	017102	3	
0J31B	0J30B	2930	63,64			I10L,I10L*I12L, 08H*06L,I9L*
0J31C	0J30C	2050	56			I10L,08H
0J24A	0J23A	2321	63,64			010L,I11H,I12H, I13H,I14H,I15H
0J26A	0J21A	2060	60,64			011L,I6H
0J22A	0J12A	2030	64			I9L
						I15L
1317	000316	X002	X000	017102	3	
9J31B	9J30B	2930	63,64			I10L,I10L*I12L, 08H*06L,I9L*
9J24A	9J23A	2321	63,64			I10L,08H
9J31C	9J30C	2050	56			011L,I6H
9J26A	9J21A	2060	60,64			010L,I11H,I12H
						I9L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
	9J22A	9J12A	2030	64		I15L
1321	000062	X427	X024	017101	3	
	1J18C	1J21C	2060	59		013L, 15H, 16H, 17H 18L
	1J27D	1J09D	2013	59,60		
1321	000104	X010	X427	557752	3	
	7J16B	7J15B	2060	50		I8L
1321	000110	X010	X427	557752	3	
	2J31B	2J30B	2930	63,64		I9L
1321	000112	X010	X427	557752	3	
	1J31B	1J30B	2930	63,64		I9L
1321	000114	X010	X427	557752	3	
	2J31B	2J30B	2930	63,64		I12L
1321	000116	X010	X026	557752	3	
	1J16A	1J03A	2013	58		I7L, 010L*011L* 012L I12L
	1J22C	1J34C	2030	62		
1321	000116	X010	X427	557752	3	
	1J31B	1J30B	2930	63,64		I12L
1321	000300	X010	X427	557752	3	
	0J31D	0J30D	2930	61,62		I9L
1321	000302	X010	X427	557752	3	
	9J31D	9J30D	2930	61,62		I9L
1321	000304	X010	X427	557752	3	
	0J31D	0J30D	2930	61,62		I12L
1321	000306	X010	X427	557752	3	
	9J31D	9J30D	2930	61,62		I12L
1321	000310	X010	X427	557752	3	
	0J31B	0J30B	2930	63,64		I9L
1321	000312	X010	X427	557752	3	
	9J31B	9J30B	2930	63,64		I9L
1321	000314	X010	X427	557752	3	
	0J31B	0J30B	2930	63,64		I12L

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1321	000316	X010	X427	557752	3	
9J31B	9J30B	2930	63,64			I12L
1321	017046	X402	X023	017101	3	
1J03A	1J16A	2013	68			I7L,010L*011L*012L
1334	013373	X020	X000	017103	3	
7J26D	7J25D	2013	07,14			I7H,I8H,I9H,010H*011H*012H
1334	013373	X022	X000	017103	3	
1J16A	1J03A	2013	58			I7H,I8H,I9H,010H*011H*012H,013H*014H*015H
1J33A	1J32A	2030	65			010L,011L,I5H,I6H,I7H,I8H,I9H,I12H,I13H,I14H,I15H
2J33A	2J32A	2030	65A			010L,011L,I5H,I6H,I7H,I8H,I9H,I12H,I13H,I14H,I15H
1J30G	1J35D	2930	69,70			I12L,I5H,I10L* I12L,08H*06L,08H
1J04D	1J08D	2020	70			I8L,I13H,I14H,I15H,011L*012H,I5L*I6L*I7L,I8L*I9L*I10L,012H
1J03D	1J08D	2020	70			I6L,I8L,011L*012H,I5L*I6L*I7L,I8L*I9L*I10L,012H
1J18A	1J10A	2060	59,69,70			014L,I8H,I9H,I10H
1J13A	1J16C	2050	69,70			I11L,010H,I11L* I12L,I13L*I14L*I15L
1J06B	1J07B	2060	66,69			I7L,013H,I5L* I6L*I7L
1J26D	1J21D	2060	61,69			I11L,015H,I11L* I12L
7J02F	7J04F	2060	53			015L,I11H,I12H
7J22D	7J17D	2060	49			015L,I11H,I12H
1J12D	1J02D	2070	57,58,65			014L,I9H
1J16F	1J12F	2070	58,60,69			I10L,015H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1J20A	1J14A	2070	56,58,60			I10L,015H
7J28B	7J22B	2070	07,30,53			I5L,011H
1J06A	1J08A	2900	65			I9L,I12L
2J06A	2J08A	2900	65A			I9L,I12L
3J26F	3J12F	2050	14,12			09L,I7H,I8H
3J09C	3J04C	2060	53,30			013H,I5L*I6L*
						I7L
7J03F	7J04F	2060	26,35			014H,I8L*I9L*
						I10L
7J19C	7J22C	2060	53			I9L
1J30E	1J31E	2040	69			015L

1334	013373	X022	X001	017103	3	
1J04D	1J03D	2020	70			I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
7J17C	7J26C	2900	52			I5L,06L*08H,08H
7J09D	7J16D	2060	28,51,53			013L,I5H,I6H, I7H
7J09G	7J03G	2070	36,53			I10L,015H
7J19C	7J22C	2060	53			014H

1334	013373	X023	X000	017103	3	
7J19C	7J22C	2060	53			I8L,I10L,013L, I5H,I6H,I7H

1334	013373	X023	X001	017103	3	
3J12C	3J06C	2070	47,11,30			015L,I10H

1374	017104	X020	X053	017104	2	
7J22D	7J17D	2060	49			I11L,015H,I11L* I12L
0J19B	0J18B	2930	63,64			I9L,I12L
0J19D	0J18D	2930	61,62			I9L,I12L
1J19B	1J18B	2930	63,64			I9L,I12L
2J19B	2J18B	2930	63,64			I9L,I12L
9J19B	9J18B	2930	63,64			I9L,I12L
9J19D	9J18D	2930	61,62			I9L,I12L
1J16F	1J12F	2070	58,60,69			015L,I10H
1J20A	1J14A	2070	56,58,60			I6L,012H
1J16A	1J03A	2013	58			I8L
1J09B	1J08B	2900	66			I10L
1J07B	1J06B	2060	66			I8L

1374	017104	X020	X453	017104	2	
1J19A	1J18A	2060	60			015L,I11H,I12H

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TABLE 8-54. SECONDARY ISOLATION TABLE FOR TABLE 8-25.

SYMPTOM	S1	CHAN1	CHAN3	CO	ICR	FAULT
LOC	SWAP	TYPE	PLATE			
1J20A	1J14A	2070	56,58,60			I5L,011H
1374	017105	X020	X443	407105	2	
1J13D	1J08D	2020	68			I14L
1514	000000	X212	X210	000000	3	
7J22D	7J17D	2060	49			I5L
1514	000136	X212	X210	000000	3	
1J07A	1J02A	2060	65			013L,014L,015L, I5H,I6H,I7H,I8H, I9H,I10H,I11H, I12H
1J17A	1J16A	2013	58			I7L
1J21B	1J07B	2060	38,63			I8L
1J21C	1J18C	2060	38,62			I8L
1J21D	1J10D	2060	38,61			I8L
1514	000336	X212	X210	000000	3	
9J07A	9J02A	2060	65			013L,014L,015L, I5H,I6H,I7H,I8H, I9H,I10H,I11H, I12H
7J22D	7J17D	2060	49			I8L,014H,I8L* I9L+I10L
9J17A	9J16A	2013	58			I7L
9J21B	9J07B	2060	38,63			I8L
9J21C	9J18C	2060	38,62			I8L
9J21D	9J10D	2060	38,61			I8L
1514	000376	X212	X210	000000	3	
7J03E	7J04E	2060	50			I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-55A. SECONDARY ISOLATION TABLE FOR TABLE 8-32.

SYMPTOM LOC	IOFUNC SWAP	IOCHAN TYPE	S1	PLATE	FAULT
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 LOCATE SYMPTOM, THEN DATA

3	0	00	000101		
7J16E	7J19E	207G	10,49,50,54	16L,012H	

3	0	06	000115		
7J26B	7J23D	2930	34	17L,19H,013H*	015L,013H

3	0	06	020002		
7J29D	7J32C	2020	34	15H,16H,17H	

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-55B. SECONDARY ISOLATION FOR TABLE 8-32. PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	SYMPTOM	FAULT
020051	7J28D	777777	7J18C	003440	2030	000000	34,54	18	I12H
020051	7J25D	777777	7J24D	003461	2013	000000	07,54	19	I7L
020051	7J27D	777777	7J26D	003464	2013	000000	55	20	I5L,010H*011H* 012H
020051	7J28D	777777	7J18C	003502	2030	000000	34,54	21	I14H
020051	7J27C	777777	7J26C	003504	2900	000000	34	22	06H
020051	7J28G	777777	7J28F	003505	2900	000000	55	23	I7L*I5L*I14L
020051	7J29F	777777	7J31E	003506	2070	000000	34,54,134	24	I5L
020051	7J27F	777777	7J13F	003530	2050	000000	55	25	I7L*I8L
020051	3J14G	777777	3J09G	003532	2070	000000	55,35,29	26	011L
020051	7J24E	777777	7J20E	003536	2930	000000	54	27	I14L
020051	7J27F	777777	7J13F	003540	2050	000000	55	28	I5L*I6L
020051	7J26C	777777	7J17C	003602	2900	000000	34	29	013H
020051	7J26C 7J27G	777777	7J17C 7J26G	003603	2900 2050	000000	34 55	30	013H*015L I13H
020051	7J27F	777777	7J13F	003604	2050	000000	55	31	I8L
020051	7J26C 7J28G	777777	7J17C 7J28F	003605	2900 2900	000000	34 55	32	06H 06L*08H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-55B. SECONDARY ISOLATION FOR TABLE 8-32. PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
020051	777777	003606	000000	33	
3J15G	3J05G	2060	55,35,34		I5L*I6L*I7L
020051	777777	003611	000000	34	
7J27C	7J26C	2900	34		06H*08L
020051	777777	003615	000000	35	
7J27C	7J26C	2900	34		013H
020051	777777	003622	000000	36	
7J28E	7J27E	2060	34,55		I11L*I12L
020051	777777	003625	000000	37	
3J07D	3J06D	2920	22		I9H
020051	777777	003631	000000	38	
7J24E	7J20E	2930	54		I7L*I14L
020051	777777	003651	000000	39	
7J25D	7J24D	2013	07,54		010L*011L*012L
020051	777777	003657	000000	40	
7J26G	7J28F	2900	55		I10L*I12L*I9L
020051	777777	003665	000000	41	
3J15G	3J05G	2060	55,35,34		I7L
020051	777777	003732	000000	42	
7J27F	7J13F	2050	55		I15H
020051	777777	003743	000000	43	
7J27F	7J13F	2050	55		I6L
020051	777777	003745	000000	44	
7J27G	7J26G	2050	55		I14H
020051	777777	003751	000000	45	
7J28F	7J27C	2900	55		I5H
020051	777777	003764	000000	46	
7J28F	7J27C	2900	55		I14H
020052	777777	003455	000000	47	
7J26E	7J25E	2020	54		I13L
020052	777777	003456	000000	48	
7J26E	7J25E	2020	54		I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-55B. SECONDARY ISOLATION FOR TABLE 8-32. PROGRAM STOP CONDITION

P	LOC	AU SWAP	AL TYPE	CE PLATE	SYMPTOM	FAULT
020052	7J27C	777777 7J26C	003471 2900	000000 34	49	013H*015L
020052	7J28D	777777 7J18C	003472 2030	000000 34,54	50	I13H
020052	3J08E	777777 3J07E	003504 2920	000000 22	51	I10L
020052	7J28E	777777 7J27E	003514 2060	000000 34,55	52	I12L
020052	7J28G	777777 7J28F	003532 2900	000000 55	53	08H
020052	7J29F	777777 7J31E	003535 2070	000000 34,54,134	54	011H
020052	3J07F	777777 3J04F	003543 2920	000000 22	55	I12H
020052	7J27F	777777 7J13F	003546 2050	000000 55	56	I13H
020052	7J27F	777777 7J13F	003555 2050	000000 55	57	I14H
020052	7J27D	777777 7J26D	003557 2013	000000 55	58	013L*014L*015L
020052	7J19B	777777 7J16B	003566 2060	000000 53	59	I8L
020052	7J28B	777777 7J22B	003573 2070	000000 07,30,53	60	I6H
020052	7J28B 7J28G 7J27G	777777 7J22B 7J28F 7J26G	003607 2070 2900 2050	000000 07,30,53 55 55	61	012L I11L I15H
020052	7J28G 3J07F	777777 7J28F 3J04F	003613 2900 2920	000000 55 22	62	I5L I13H
020052	7J27F	777777 7J13F	003631 2050	000000 55	63	010L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-55B. SECONDARY ISOLATION FOR TABLE 8-32. PROGRAM STOP CONDITION

P	AU	AL	CE	SYMPTOM	FAULT
LOC	SWAP	TYPE	PLATE		
020052	777777	003646	000000	64	
7J28D	7J18C	2030	34,54		011L
020052	777777	003653	000000	65	
7J28F	7J27C	2900	55		06H
020052	777777	003664	000000	66	
7J27F	7J13F	2050	55		09H
020052	777777	003666	000000	67	
3J07D	3J06D	2920	22		I8H
020052	777777	003670	000000	68	
7J28E	7J27E	2060	34,55		015H
020052	777777	003675	000000	69	
7J28F	7J27C	2900	55		06H*0&L
020052	777777	003703	000000	70	
3J07F	3J04F	2920	22		I11H
020052	777777	003704	000000	71	
3J07F	3J04F	2920	22		I14H
020052	777777	003717	000000	72	
3J07D	3J06D	2920	22		I10H
020052	777777	003736	000000	73	
7J26C	7J17C	2900	34		06H*0&L
020052	777777	003740	000000	74	
7J28D	7J18C	2030	34,54		I15H
020052	777777	003773	000000	75	
3J14G	3J09G	2070	55,35,29		I5H

TABLES 8-56, 8-57, & 8-58 DELETED

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-59. JUMPERED CHANNEL TEST - CHAN 0,2

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT

LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA								

LOOP	013410			000000	000000		557752	
	2J14B		2J27B	2013		58,70		I5H
	2J31D		2J30D	2930		61,62		I5H
	2J35D		2J32D	2930		38		I5L
	2J31C		2J30C	2050		56		I5L

HALT	013211			000000	000000		100737	
	2J07B		2J06B	2060		66		I11L

HALT	014351			000000	557756		017104	
	2J19C		2J17C	2050		56		I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	2J19D		2J18D	2930		61,62		I12H, I5L*I14L
	2J21C		2J18C	2060		38,62		015L
	2J12B		2J11B	2030		66		I14L
	2J32A		2J31A	2030		65A		I14L

NAVSEA OP 3514 (PHS/SMS) VOLUME 2 PART 2

TABLE 8-60. JUMPERED CHANNEL TEST - CHAN 4,6

MSG	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT
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LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA

LOOP	013410			000000	000000		557752		
	2J14B		2J27B		2013		58,70		I5H
	2J31C		2J30C		2050		56		I5L
FAULT	001307			006004	000017		000000		
	2J06A		2J08A		2900		65A		I9H
FAULT	002456			006004	000000		000400		
	2J15E		2J12E		2900		71,72		I9L
FAULT	002457			006004	000000		000000		
	2J02E		2J04E		2140		71		I15L
	2J14E		2J13E		2140		71		I15L
	2J16E		2J17E		2140		72		I15L
FAULT	002457			006004	000000		000060		
	2J09E		2J06E		2900		71		I10L
FAULT	002457			006004	000000		017101		
	2J05D		2J06D		2900		68		I9L
FAULT	002460			006004	000000		000000		
	2J11E		2J10E		2140		71		I15L
	2J19E		2J17E		2140		72		I15L
	2J23E		2J22E		2140		72		I15L
FAULT	002460			006004	000000		002000		
	2J18E		2J15E		2900		72		I9L
FAULT	002460			006004	000000		017101		
	2J19B		2J18B		2930		63,64		I14L
FAULT	002460			006004	000000		200000		
	2J27E		2J24E		2900		72		I9L
FAULT	002460			006004	000000		777777		
	2J08E		2J07E		2140		71		I15H
	2J13E		2J11E		2140		71		I15H
	2J20E		2J19E		2140		72		I15H
	2J28E		2J26E		2140		72		I15H
FAULT	002467			200000	000000		000000		
	2J20E		2J19E		2140		72		I15L

NAVSEA OP. 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-60. JUMPERED CHANNEL TEST - CHAN 4,6

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT
FAULT	2J22E	002677	2J20E	777777	777000	72	000000	I15L
FAULT	2J06E	002745	2J03E	776001	776001	71	000014	I11L
FAULT	2J26E	003012	2J25E	000037	000040	72	777777	I15H
FAULT	2J24E	003014	2J21E	003777	004000	72	040000	I9L
FAULT	2J17E	003017	2J16E	037777	737777	72	777777	I15H
FAULT	2J03E	003027	2J06E	600000	577777	71	000001	I9L
FAULT	2J08B	003223	2J09B	000000	000000	66	017102	I10L
FAULT	2J10E	003262	2J08E	777777	777777	71	000000	I15L
FAULT	2J21E	003325	2J18E	000000	000000	72	010000	I9L
FAULT	2J26E	003402	2J25E	300000	600001	72	000000	I15L
FAULT	2J25E	003451	2J23E	133331	160477	72	000000	I15L
FAULT	2J12E	003452	2J09E	133331	133331	71	000100	I9L
FAULT	2J28E	003453	2J26E	777777	777777	72	000000	I15L
FAULT	2J09B	003470	2J08B	534333	721121	66	000000	I9H
FAULT	2J18B	003470	2J17B	611212	033432	63,64	017102	I10L
FAULT	2J07E	003551	2J05E	777777	000010	71	000000	I15L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-60. JUMPERED CHANNEL TEST - CHAN 4,6

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT
FAULT	2J05E	003600	2J04E	777777	2140	000000	71	777777 I15H
FAULT	2J04E	003601	2J02E	777777	2140	000000	71	777777 I15H
FAULT	2J17E	003625	2J16E	000000	2140	000000	72	000000 I15L
HALT	2J07B	013211	2J06B	000000	2060	000000	66	000737 I11L
HALT	2J31B 2J35B	013411	2J30B 2J32B	000000	2930 2930	000000	63,64 38	557752 I5H I5L
HALT	2J19C 2J21A 2J12B 2J34A	014351	2J17C 2J19A 2J11B 2J33A	000000	2050 2060 2030 2030	557756	56 38,64 66 65A	017104 09L, I11L, I13L, I7H, 010H, I11L* I12L, I13L* I14L* I15L 015L I12L I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-61. JUMPERED CHANNEL TEST - CHAN 5,7

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT

LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA								

LOOP	013410			000000	000000		017101	
	1J31B		1J30B	2930		63,64		15H
	1J35B		1J32B	2930		38		15L

HALT	012235			000000	000000		000612	
	1J08B		1J09B	2900		66		I7L

HALT	014351			000000	557756		017101	
	1J19B		1J18B	2930		63,64		I12H, I5L* I14L
	1J21A		1J19A	2060		38,64		015L
	1J12B		1J11B	2030		66		I12L
	1J34A		1J33A	2030		65		I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-62. JUMPERED CHANNEL TEST - CHAN 10,12

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT

LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA								

LOOP		013410		000000		000000		017101
	OJ14B		OJ27B		2013		58,70	I5H
	OJ31C		OJ30C		2050		56	I5L

HALT		014351		000000		557756		017101
	OJ19C		OJ17C		2050		56	I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	OJ08B		OJ09B		2900		66	I14H
	OJ21C		OJ18C		2060		38,62	015L
	OJ12B		OJ11B		2030		66	I14L
	OJ32A		OJ31A		2030		65A	I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-63. JUMPERED CHANNEL TEST - CHAN 14,16

MSG	LOC	P	SWAP	AU	AL	PLATE	CE	FAULT

LOCATE MSG(LOOP, HALT, OR FAULT) THEN DATA								

LOOP	013217			000000	557752		017101	
	OJ04B		OJ03B		2020		69A	16L

LOOP	013410			000000	000000		017101	
	OJ14B		OJ27B		2013		58,70	15H
	OJ05B		OJ04B		2020		69A	15L
	OJ31C		OJ30C		2050		56	15L

HALT	013221			000000	557752		017101	
	OJ12D		OJ02D		2070		57,58,65A	013L

HALT	014351			000000	557756		017101	
	OJ19C		OJ17C		2050		56	111L,113L,010H, 111L*I12L,113L* I14L*I15L
	OJ08B		OJ09B		2900		66	114H
	OJ21A		OJ19A		2060		38,64	015L
	OJ12B		OJ11B		2030		66	112L
	OJ34A		OJ33A		2030		65A	114L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532	2J22C	000001	2J34C	001524	2030	000000	62	I7L
005246	2J02D	000000	2J12D	000001	2070	010266	65A,70	013L,17H
005246	2J04C	000000	2J03C	000004	2130	010266	68	I9L*I10L*I11L
005246	2J30G	000000	2J35D	017102	2930	013346	69A,70	I12H,I5L*I14L, 08L*06H,06H
	2J03D		2J04D		2020		70	I13H,I14H,I15H
005246	2J13C	000001	2J12C	000000	2130	010266	68	I9L*I10L*I11L
005246	2J11C	000004	2J10C	000000	2130	010266	68	I9L*I10L*I11L
005246	2J33B	000100	2J28B	5003X7	2020	010475	64	I5L
005246	2J33B	000100	2J28B	5017X7	2020	010605	64	I13L
010135	2J33B	000000	2J28B	000000	2020	000100	64	I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
010266	2J33B	000000	2J28B	000000	2020	000100	64	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
011361	2J11C	400000	2J10C	505702	2130	017101	68	I10L
011453	2J13D	400000	2J08D	504700	2020	017104	68	I13H,I14H,I15H
	2J33B		2J28B		2020		64	I6H,I9H,I10H
011464	2J27G	400000	2J26D	000000	2060	017104	69A	014L,015L,I6H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J25A 2J10D		2J20A 2J21D		2070 2060		61,64 58,68	I9H,I10H,I11H, I12H I10L I11L*I12L
011464	2J27G	400000	2J26D	000000	2060	407105	69A	013L,I5H,I6H, I7H
011671	2J13D	017102	2J08D	017102	2020	017102	68	I14L
012173	2J19D 2J29E	000000	2J18D 2J25D	502617	2930 2070	060711	61,62 57,58	I7H I9H
012200	2J27G	000004	2J26D	040000	2060	607707	69A	I5L
012200	2J27G	000020	2J26D	040000	2060	607707	69A	I8L
012200	2J27G	000100	2J26D	040000	2060	607707	69A	I11L
012221	2J16D	000000	2J17D	557767	2930	607707	38	I9L,I12L
012247	2J26D	000000	2J21D	000001	2060	607707	61,69A	013L,I5H,I6H, I7H
012247	2J08A 2J27G	000004	2J06A 2J26D	000004	2900 2060	607707	65A 69A	I14H,013H*015L, 013H 013H,I5L*I6L* I7L
012247	2J16D	000005	2J17D	000000	2930	607707	38	I11L,I14L
012247	2J27G	000020	2J26D	000020	2060	607707	69A	014H,I8L*I9L* I10L
012247	2J27G	000100	2J26D	000100	2060	607707	69A	015H,I11L*I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
013142		000400		505640		017101		
	2J15F		2J14F		2013		59	I5L,I7L,010L* 011L*012L,013L* 014L*015L
	2J35E		2J35C		2050		61,62	09L,010L,111L, I13L,15H,010H, I11H,I11L*I12L, I13L*I14L*I15L
	2J10C		2J09C		2130		68	I10L,19H,I10H, I11H
	2J30D		2J29D		2930		61,62	I5H,I10L*I12L, 08H*06L,08H
	2J22C		2J34C		2030		62	011L,I13L,I14L, I12H,I13H,I14H, I15H
	2J26C		2J21C		2060		57,62	014L,I8H,I9H, I10H
	2J25C		2J14C		2070		62,63	I9L,014H
	2J09D		2J27D		2013		58	I5L
	2J14B		2J27B		2013		58,70	I8L
	2J22D		2J34D		2030		61	I13L,I14L
	2J31A		2J22A		2030		65A	I12L,I12L*I13L* I14L
	2J08A		2J06A		2900		65A	I9H
	2J30E		2J31E		2040		69A	I9H,I10H
	2J24D		2J23D		2090		61,62	011H
	2J17C		2J16C		2050		56,57	I5H
	2J10B		2J11B		2030		66	I7L
	2J32A		2J33A		2030		65A	I12L

013233		000000		017104		017103		
	2J34D		2J22D		2030		62	I14L

013237		000000		017102		017101		
	2J03A		2J16A		2013		68	I6L,013L*014L* 015L
	2J10D		2J21D		2060		58,68	014L,I8H,I9H, I10H
	2J06D		2J05D		2900		68	I11L,I12L
	2J27D		2J09D		2013		59A,60	I8L
	2J05C		2J04C		2130		68	I10L

013320		000000		000000		017101		
	2J11D		2J07D		2900		68	I9L,I11L,013L* 015H,015H
	2J03A		2J16A		2013		68	I7L,010L*011L* 012L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J10D		2J21D		2060		58,68	015L,I11H,I12H
	2J01E		2J27D		2013		06	010H*011H*012H
	2J10C		2J09C		2130		68	I11L

013342		000000		017104		017103		
	2J34E		2J34D		2030		61	I14L

013346		000000		017102		017101		
	2J06D		2J05D		2900		68	I9L,013L*015H, 015H
	2J04C		2J03C		2130		68	I10L

013346		000000		017102		557752		
	2J04C		2J03C		2130		68	I9L

013374		000160		000060		000000		
	2J30D		2J29D		2930		61,62	I7H,013L*015H, I9L*I10L,015H
	2J35E		2J35C		2050		61,62	I5L,I7L,09H,I5L* I6L,I7L*I8L
	2J26D		2J21D		2060		61,69A	014L,I8H,I9H, I10H
	2J22D		2J34D		2030		61	011L,I12H,I13H, I14H,I15H
	2J25D		2J12D		2070		61,64	I9L,014H
	2J24D		2J23D		2090		61,62	010H
	2J10B		2J11B		2030		66	I8L
	2J31A		2J22A		2030		65A	I5L
	2J32A		2J33A		2030		65A	I5L

013374		000167		000063		000000		
	2J09B		2J08B		2900		66	I9H,I14H,013H* 015L,013H
	2J29E		2J25D		2070		57,58	I9L,014H
	2J10B		2J11B		2030		66	I5L*I6L*I7L*I8L* I9L,I12L*I13L* I14L
	2J09A		2J07A		2060		65A,66,69A	I8L

013374		000167		114463		000000		
	2J16A		2J03A		2013		58	I5H,I6H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	2J04D		2J08D		2020		70	I8L,I14L,I5H, I6H,I7H,I13H, I14H,I15H,011L* 012H,011H*012L,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
								I13L*I14L*I15L, I5L*I6L*I7L,I8L, I9L*I10L,011H, 012H
	2J30G		2J35D		2930		69A,70	I12L,15H,I10L* I12L,08H*06L, 08H
	2J03D		2J08D		2020		70	I6L,I8L,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	2J13A		2J16C		2050		69A,70	I11L,010H,I11L* I12L,I13L*I14L* I15L
	2J18A		2J10A		2060		59,69A,70	014L,19H,I10H
	2J26D		2J21D		2060		61,69A	I11L,015H,I11L* I12L
	2J16F		2J12F		2070		58,60,69A	I10L,015H
	2J20A		2J14A		2070		56,58,60	I10L,015H
	2J09D		2J27D		2013		58	010L*011L*012L

013374		000231		000021		000000		
	2J19A		2J18A		2060		60	I11L,015H,I11L* I12L
	2J20A		2J14A		2070		56,58,60	011L,15H

013701		400000		000104		017103		
	2J26D		2J21D		2060		61,69A	015L,I11H,I12H

014172		000000		000000		017103		
	2J13D		2J08D		2020		68	I13L

014307		000000		162400		000000		
	2J13C		2J12C		2130		68	I11L

014307		000000		162401		000000		
	2J20D		2J19D		2930		61,62	I7H,013L*015H, 015H
	2J34E		2J34D		2030		61	011L,I12H,I13H, I14H,I15H
	2J21D		2J10D		2060		38,61	013L,I6H,I7H
	2J25D		2J12D		2070		61,64	I7L,013H
	2J35A		2J25A		2070		61,62,63,64	I5L,011H
	2J23D		2J24D		2090		61	011H
	2J11B		2J10B		2030		66	I8L
	2J31A		2J22A		2030		65A	I6L

014307		000000		163407		000000		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J13C 2J25D		2J12C 2J12D		2130 2070		68 61,64	19H,110H,111H 012H
014307		000103		000103		000000		
	2J12D		2J02D		2070		57,58,65A	19L,014H
014307		160401		000001		000000		
	2J20C 2J20D		2J19C 2J19D		2050 2930		57 61,62	09L,17H 110L
014307		160401		162401		000000		
	2J20D		2J19D		2930		61,62	19L*110L
014307		162400		000000		000000		
	2J11C		2J10C		2130		68	111L
014307		162400		162400		000000		
	2J05B		2J04B		2020		69A	15L
014307		162401		000000		000000		
	2J20D 2J34D		2J19D 2J22D		2930 2030		61,62 62	15H,08H*06L,08H 011L,112H,113H, 114H,115H
	2J04C 2J25C 2J35A 2J06D 2J24C 2J21C 2J11B		2J03C 2J14C 2J25A 2J05D 2J24B 2J18C 2J10B		2130 2070 2070 2900 2090 2060 2030		68 62,63 61,62,63,64 68 62 38,62 66	19H,110H 17L,013H 16L,012H 013H*015L,013H 011H 013L 17L
014307		162401		000001		000000		
	2J20D		2J19D		2930		61,62	110L*112L
014307		162401		162401		000000		
	2J09D 2J03A 2J03D 2J10D 2J02D 2J11B		2J27D 2J16A 2J04D 2J21D 2J12D 2J10B		2013 2013 2020 2060 2070 2030		58 68 70 58,68 65A,70 66	17H,18H,19H, 010H*011H*012H 15H,16H,013H* 014H*015H 113L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H 19L,110L,014H, 18L*19L*110L 17L,013H 010H,15L*16L* 17L*18L*19L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J09B		2J08B		2900		66	I12H
014307	163407		000000		000000			
	2J11C		2J10C		2130		68	I9H, I10H, I11H
	2J22C		2J34C		2030		62	010L, I5H, I6H, I7H, I8H, I9H
	2J18D		2J17D		2930		61, 62	I5H, 08H*06L, 08H
	2J25C		2J14C		2070		62, 63	I6L, 012H
	2J24C		2J24B		2090		62	010H
	2J12B		2J11B		2030		66	I7L
	2J31A		2J22A		2030		65A	I14L
014307	163407		163407		000000			
	2J07B		2J06B		2060		66	I7L
014351	000000		557756		017104			
	2J20A		2J14A		2070		56, 58, 60	I5L, I6L, 011H, 012H
	2J16A		2J03A		2013		58	I8L, 010L*011L* 012L
	2J16F		2J12F		2070		58, 60, 69A	015L, I10H
	2J19A		2J18A		2060		60	015L, I11H
	2J09B		2J08B		2900		66	I10L
	2J07B		2J06B		2060		66	I8L
014604	000000		000023		252525			
	2J14F		2J13F		2013		59A	I7H, I8H, I9H, 010H*011H*012H
014604	000000		023023		777777			
	2J13F		2J14F		2013		58	I5L, 013L*014L* 015L
	2J10D		2J21D		2060		58, 68	013L, I5H
014604	000001		000025		000000			
	2J026		2J036		2090		73	011L, I6H
	2J046		2J096		2030		73, 73A	I6L
014604	000002		000005		000000			
	2J056		2J036		2090		73A	011L, I6H
	2J046		2J096		2030		73, 73A	I13L
014604	000003		000025		000000			
	2J076		2J066		2090		73B	011L, I6H
	2J096		2J046		2030		73B, 74	I6L
014604	000003		031031		000003			
	2J03E		2J06E		2900		71	I11L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		000004		000005	000000			
	2J106		2J08G		2090		74	011L,16H
	2J09G		2J04G		2030		73B,74	I14L
014604		000005		000025	000000			
	2J12G		2J11G		2090		74A	011L,16H
	2J14G		2J09G		2030		74A,74B	I7L
014604		000006		000005	000000			
	2J15G		2J13G		2090		74B	011L,16H
	2J14G		2J09G		2030		74A,74B	I14L
014604		000007		000025	000000			
	2J17G		2J16G		2090		75	011L,16H
	2J19G		2J14G		2030		75,75A	I7L
014604		000010		000005	000000			
	2J20G		2J18G		2090		75A	011L,16H
	2J19G		2J14G		2030		75,75A	I14L
014604		000011		000025	000000			
	2J22G		2J21G		2090		75B	011L,16H
	2J24G		2J19G		2030		75B,76	I7L
014604		000012		000005	000000			
	2J25G		2J23G		2090		76	011L,16H
	2J24G		2J19G		2030		75B,76	I14L
014604		000013		000025	000000			
	2J02F		2J03F		2090		76A	011L,16H
	2J04F		2J09F		2030		76A,76B	I7L
014604		000014		000005	000000			
	2J05F		2J03F		2090		76B	011L,16H
	2J04F		2J09F		2030		76A,76B	I14L
014604		000014		031031	000014			
	2J06E		2J03E		2900		71	I11L
014604		000015		000025	000000			
	2J07F		2J06F		2090		77	011L,16H
	2J09F		2J04F		2030		77,77A	I7L
014604		000016		000005	000000			
	2J10F		2J08F		2090		77A	011L,16H
014604		000017		000025	000000			

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J17F 2J19F		2J11F 2J09F		2090 2030		77B 77B,78	011L,16H 17L
014604		000020		000005		000000		
	2J20F 2J19F		2J18F 2J09F		2090 2030		78 77B,78	011L,16H 114L
014604		000021		000025		000000		
	2J22F 2J24F		2J21F 2J19F		2090 2030		78A 78A,78B	011L,16H 17L
014604		000021		025000		000000		
	2J24F		2J19F		2030		78A,78B	18L
014604		000022		000005		000000		
	2J25F 2J24F		2J23F 2J19F		2090 2030		78B 78A,78B	011L,16H 114L
014604		000022		005000		000000		
	2J24F		2J19F		2030		78A,78B	115L
014604		000060		011011		000060		
	2J09E		2J06E		2900		71	110L
014604		000060		031031		000060		
	2J09E		2J06E		2900		71	111L
014604		000300		031031		000300		
	2J12E		2J09E		2900		71	110L,111L
014604		001001		025025		000000		
	2J04G		2J09G		2030		73,73A	010H,15L*16L* 17L*18L*19L
	2J02E		2J04E		2140		71	115L
014604		001001		025025		000001		
	2J03E		2J06E		2900		71	19L
014604		001001		240240		777777		
	2J03G		2J05G		2090		73	15L,16L,010H, 011H
	2J04G		2J09G		2030		73,73A	010L,15H,16H, 17H,18H,19H
	2J02G		2J05G		2090		73	010H,C11H
014604		001400		031031		001400		
	2J15E		2J12E		2900		71,72	110L,111L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	2J04G	002002	2J09G	005005	2030	000000	73,73A	011H,I12L*I13L* I14L
014604	2J03E	002002	2J06E	260260	2900	777775	71	I12H,06H*08L, 06H
014604	2J06G	002002	2J07G	260260	2090	777777	73A	I5L,I6L,010H, 011H
	2J04G		2J09G		2030		73,73A	011L,I12H,I14H, I15H
	2J05G		2J03G		2090		73A	010H,011H
	2J04E		2J02E		2140		71	I15H
014604	2J09G	003003	2J04G	025025	2030	000000	73B,74	010H,I5L*I6L* I7L*I8L*I9L
014604	2J06E	003003	2J03E	240240	2900	777773	71	I9H,013H*015L, 013H
014604	2J08G	003003	2J10G	240240	2090	777777	73B	I5L,I6L,010H, 011H
	2J09G		2J04G		2030		73B,74	010L,I5H,I6H, I7H,I8H,I9H
	2J07G		2J06G		2090		73B	010H,011H
	2J05E		2J04E		2140		71	I15H
014604	2J09G	004004	2J04G	005005	2030	000000	73B,74	011H,I12L*I13L* I14L
	2J07E		2J05E		2140		71	I15L
014604	2J06E	004004	2J03E	005005	2900	000010	71	I12L
014604	2J11G	004004	2J12G	260260	2090	777777	74	I5L,I6L,010H, 011H
	2J09G		2J04G		2030		73B,74	011L,I12H,I13H, I14H,I15H
	2J10G		2J08G		2090		74	010H,011H
014604		005005		025025		000000		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J14G		2J09G		2030		74A,74B	010H, I5L*I6L* I7L*I8L*I9L
014604	2J09E	005005	2J06E	240240	2900	777757	71	I9H, 013H*015L, 013H
014604	2J13G	005005	2J15G	240240	2090	777777	74A	I5L, I6L, 010H, 011H
	2J14G		2J09G		2030		74A,74B	010L, I5H, I6H, I7H, I8H, I9H
	2J12G		2J11G		2090		74A	010H, 011H
	2J08E		2J07E		2140		71	I15H
014604	2J18E	006000	2J15E	011011	2900	006000	72	I10L
014604	2J18E	006000	2J15E	031031	2900	006000	72	I11L
014604	2J14G	006006	2J09G	005005	2030	000000	74A,74B	011H, I12L*I13L* I14L
	2J10E		2J08E		2140		71	I15L
014604	2J09E	006006	2J06E	005005	2900	000040	71	I12L
014604	2J16G	006006	2J17G	260260	2090	777777	74B	I5L, I6L, 010H, 011H
	2J14G		2J09G		2030		74A,74B	011L, I12H, I13H, I14H, I15H
	2J15G		2J13G		2090		74B	010H, 011H
014604	2J19G	007007	2J14G	025025	2030	000000	75,75A	010H, I5L*I6L* I7L*I8L*I9L
	2J11E		2J10E		2140		71	I15L
014604	2J12E	007007	2J09E	025025	2900	000100	71	I9L
014604	2J18G	007007	2J20G	240240	2090	777777	75	I5L, I6L, 010H, 011H
	2J19G		2J14G		2030		75,75A	010L, I5H, I6H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J17G		2J16G		2090		75	17H,18H 010H,011H
014604	2J19G	010010	2J14G	005005	2030	000000	75,75A	011H,112L*113L* 114L
014604	2J12E	010010	2J09E	260260	2900	777577	71	112H,06H*08L, 06H
014604	2J21G	010010	2J22G	260260	2090	777777	75A	15L,16L,010H, 011H
	2J19G		2J14G		2030		75,75A	011L,112H,113H, 114H,115H
	2J20G		2J18G		2090		75A	010H,011H
	2J13E		2J11E		2140		71	115H
014604	2J24G	011011	2J19G	025025	2030	000000	75B,76	010H,15L*16L* 17L*18L*19L
	2J14E		2J13E		2140		71	115L
014604	2J15E	011011	2J12E	025025	2900	000400	71,72	19L
014604	2J15E	011011	2J12E	240240	2900	777377	71,72	19H,013H*015L, 013H
014604	2J23G	011011	2J25G	240240	2090	777777	75B	15L,16L,010H, 011H
	2J24G		2J19G		2030		75B,76	010L,15H,16H, 17H,18H
	2J22G		2J21G		2090		75B	010H,011H
	2J14E		2J13E		2140		71	115H
014604	2J24G	012012	2J19G	005005	2030	000000	75B,76	011H,112L*113L* 114L
	2J16E		2J14E		2140		72	115L
014604	2J15E	012012	2J12E	005005	2900	001000	71,72	112L
014604		012012		260260		776777		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J15E		2J12E		2900		71,72	I12H,06H*08L, 06H
014604	2J26G	012012	2J02G	260260	2090	777777	76	I5L,I6L,010H, 011H
	2J24G		2J19G		2030		75B,76	011L,I12H,I13H, I14H,I15H
	2J25G		2J23G		2090		76	010H,011H
	2J16E		2J14E		2140		72	I15H
014604	2J04F	013013	2J09F	025025	2030	000000	76A,76B	010H,15L*I6L* I7L*I8L*I9L
	2J17E		2J16E		2140		72	I15L
014604	2J18E	013013	2J15E	025025	2900	002000	72	I9L
014604	2J18E	013013	2J15E	240240	2900	775777	72	I9H,013H*015L, 013H
014604	2J03F	013013	2J05F	240240	2090	777777	76A	I5L,I6L,010H, 011H
	2J04F		2J09F		2030		76A,76B	010L,I5H,I6H, I7H,I8H
	2J02F		2J05F		2090		76A	010H,011H
	2J17E		2J16E		2140		72	I15H
014604	2J04F	014014	2J09F	005005	2030	000000	76A,76B	011H,I12L*I13L* I14L
	2J19E		2J17E		2140		72	I15L
014604	2J18E	014014	2J15E	005005	2900	004000	72	I12L
014604	2J18E	014014	2J15E	260260	2900	773777	72	I12H,06H*08L, 06H
014604	2J06F	014014	2J07F	260260	2090	777777	76B	I5L,I6L,010H, 011H
	2J04F		2J09F		2030		76A,76B	011L,I12H,I13H, I14H,I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J05F		2J03F		2090		76B	010H,011H
	2J19E		2J17E		2140		72	115H
014604		015015		025025		000000		
	2J20E		2J19E		2140		72	115L
014604		015015		025025		010000		
	2J21E		2J18E		2900		72	19L
014604		015015		240240		767777		
	2J21E		2J18E		2900		72	19H,013H*015L, 013H
014604		015015		240240		777777		
	2J08F		2J10F		2090		77	15L,16L,010H, 011H
	2J07F		2J06F		2090		77	010H,011H
	2J20E		2J19E		2140		72	115H
	2J09F		2J04F		2030		77,77A	010L
014604		016016		005005		000000		
	2J22E		2J20E		2140		72	115L
014604		016016		005005		020000		
	2J21E		2J18E		2900		72	110L,112L
014604		016016		260260		757777		
	2J21E		2J18E		2900		72	112H,06H*08L, 06H
014604		016016		260260		777777		
	2J11F		2J17F		2090		77A	15L,16L,010H, 011H
	2J10F		2J08F		2090		77A	010H,011H
	2J09F		2J04F		2030		77,77A	011L,112H
	2J22E		2J20E		2140		72	115H
014604		017017		025025		000000		
	2J19F		2J09F		2030		77B,78	010H,15L*16L* 17L*18L*19L
	2J23E		2J22E		2140		72	115L
014604		017017		025025		040000		
	2J24E		2J21E		2900		72	19L
014604		017017		240240		737777		
	2J24E		2J21E		2900		72	19H,013H*015L, 013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		017017		240240		777777		
	2J18F		2J20F		2090		77B	I5L,I6L,010H, 011H
	2J19F		2J09F		2030		77B,78	010L,I5H,I7H, I8H
	2J17F		2J11F		2090		77B	010H,011H
	2J23E		2J22E		2140		72	I15H
014604		020020		005005		000000		
	2J19F		2J09F		2030		77B,78	011H,I12L*I13L* I14L
	2J25E		2J23E		2140		72	I15L
014604		020020		005005		100000		
	2J24E		2J21E		2900		72	I12L
014604		020020		260260		677777		
	2J24E		2J21E		2900		72	I12H,06H*08L, 06H
014604		020020		260260		777777		
	2J21F		2J22F		2090		78	I5L,I6L,010H, 011H
	2J19F		2J09F		2030		77B,78	011L,I13H,I14H, I15H
	2J20F		2J18F		2090		78	010H,011H
	2J25E		2J23E		2140		72	I15H
014604		021021		025025		000000		
	2J24F		2J19F		2030		78A,78B	010H,I5L*I6L* I7L*I8L*I9L
	2J26E		2J25E		2140		72	I15L
014604		021021		025025		200000		
	2J27E		2J24E		2900		72	I9L
014604		021021		240240		577777		
	2J27E		2J24E		2900		72	I9H,013H*015L, 013H
014604		021021		240240		777777		
	2J23F		2J25F		2090		78A	I5L,I6L,010H, 011H
	2J24F		2J19F		2030		78A,78B	010L,I5H,I6H, I7H,I8H
	2J22F		2J21F		2090		78A	010H,011H
	2J26E		2J25E		2140		72	I15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	2J24F	022022	2J19F	005005	2030	000000	78A,78B	011H,I12L*I13L* I14L I15L
	2J28E		2J26E		2140		72	
014604	2J27E	022022	2J24E	005005	2900	400000	72	I12L
014604	2J27E	022022	2J24E	260260	2900	377777	72	I12H,06H*06L, 06H
014604	2J26F	022022	2J02G	260260	2090	777777	78B	I5L,16L,010H, 011H
	2J24F		2J19F		2030		78A,78B	011L,I12H,I13H, I14H,I15H
	2J25F		2J23F		2090		78B	010H,011H
	2J28E		2J26E		2140		72	I15H
014604	2J21E	030000	2J18E	031031	2900	030000	72	I11L
014604	2J24E	140000	2J21E	031031	2900	100000	72	I10L
014604	2J24E	140000	2J21E	031031	2900	140000	72	I11L
014604	2J27E	600000	2J24E	031031	2900	400000	72	I10L
014604	2J27E	600000	2J24E	031031	2900	600000	72	I11L
014724	2J21D	400000	2J10D	000004	2060	017101	38,61	015L,I11H,I12H
	2J19D		2J18D		2930		61,62	I9H
	2J32A		2J31A		2030		65A	I7L
014724	2J19C	400000	2J17C	000005	2050	017101	56	09L,I7H
	2J19D		2J18D		2930		61,62	I14L
*WHEN P = 014771 CHECK EF/OD AND ID ACKNOWLEDGE TIMING BEFORE CHANGING MODULES.								
014771*		002000		000002		017102		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-64. JUMPERED CHANNEL TEST - CHAN 0,2 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J16A		2J03A		2013		58	17L
014771*	2J18A	002000	2J10A	001020	2060	017102	59,69A,70	013H,15L*16L* 17L
	2J13A		2J16C		2050		69A,70	09L,15H
015561	2J31D	000000	2J30D	000335	2930	017101	61,62	17L
015561	2J08D	000002	2J04D	000002	2020	017101	68	113L,18H,19H, 110H,011H,012L, 113L*114L*115L, 011H
	2J06B		2J21B		2060		66,69,69A	015L,111H,112H
	2J07B		2J21B		2060		66	19L
015561	2J08D	000040	2J04D	000040	2020	017101	68	19L,113H,114H, 115H,011L*012H, 115L*116L*117L,118L* 119L*110L,012H
	2J06B		2J07B		2060		66,69,69A	112L
015561	2J31D	000335	2J30D	000000	2930	017101	61,62	15L
016023	2J12C	504200	2J11C	014017	2130	013702	68	19L
016023	2J10C	504622	2J09C	014142	2130	013702	68	19L
017002	2J19C	777700	2J17C	505640	2050	017101	56	15L,17L,09H,15L* 16L,17L*18L
	2J19D		2J18D		2930		61,62	15H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532		000001		001524		000000		
	2J22A		2J12A		2030		64	I7L
	2J22B		2J12B		2030		63	I7L
005246		000000		000020		010266		
	2J02D		2J12D		2070		65A,70	013L,I7H
	2J03C		2J02C		2130		68	I9L*I10L*I11L
005246		000000		000100		010266		
	2J02C		2J03C		2130		68	I9L*I10L*I11L
005246		000000		017102		013346		
	2J30G		2J35D		2930		69A,70	I12H,I5L*I14L, 08L*06H,06H
	2J03D		2J04D		2020		70	I13H,I14H,I15H
005246		000020		000000		010266		
	2J09C		2J08C		2130		68	I9L*I10L*I11L
005246		000100		000000		010266		
	2J07C		2J06C		2130		68	I9L*I10L*I11L
011361		400000		505704		017101		
	2J09C		2J08C		2130		68	I10L
011361		400000		505706		017101		
	2J13D		2J08D		2020		68	I13H,I14H,I15H
	2J07C		2J06C		2130		68	I10L
011671		017102		017102		017102		
	2J13D		2J08D		2020		68	I14L
012173		000000		5026X7		060711		
	2J29E		2J25D		2070		57,58	I9H
012247		000000		000020		607707		
	2J34A		2J33A		2030		65A	I6L
012247		000000		000100		607707		
	2J34A		2J33A		2030		65A	I13L
012247		000017		000017		607707		
	2J34A		2J33A		2030		65A	010L,I5H,I6H, I7H,I8H
012247		000020		000000		607707		
	2J34A		2J33A		2030		65A	I8L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
012247	2J07A	000020	2J02A	000020	2060	607707	65A	I11L*I12L
012247	2J34A	000077	2J33A	000077	2030	607707	65A	011L
012247	2J34A	000100	2J33A	000000	2030	607707	65A	I15L
013142	2J14F	000400	2J13F	505640	2013	017101	59A	I5L, I7L, 010L* 011L*012L, 013L* 014L*015L
	2J35C		2J31C		2050		63, 64	09L, 010L, I11L, I13L, I5H, 010H, I11H, I11L*I12L, I13L*I14L*I15L
	2J06C		2J05C		2130		68	I10L, I9H, I10H, I11H
	2J22A		2J12A		2030		64	011L, I13L, I14L, I12H, I13H, I14H, I15H
	2J30B		2J29B		2930		63, 64	I5H, I10L*I12L, 08H*06L
	2J26A		2J21A		2060		60, 64	014L, I8H, I9H, I10H
	2J25A		2J20A		2070		61, 64	I9L, 014H
	2J33A		2J32A		2030		65A	I12L, 011H, I12L* I13L*I14L
	2J09D		2J27D		2013		58	I5L
	2J14B		2J27B		2013		58, 70	I8L
	2J22B		2J12B		2030		63	I13L, I14L
	2J30E		2J31E		2040		69A	I13H, I14H
	2J24A		2J23A		2090		63, 64	011H
	2J17C		2J16C		2050		56, 57	I5H
	2J10B		2J11B		2030		66	I5L
	2J34A		2J32A		2030		65A	I12L
013233	2J34B	000000	2J22B	017104	2030	017103	64	I14L
013237	2J03A	000000	2J16A	017102	2013	017101	68	I6L, 013L*014L* 015L
	2J10D		2J21D		2060		58, 68	014L, I8H, I9H, I10H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J03C		2J02C		2130		68	110L
013320		000000		000000		017101		
	2J07D		2J06D		2900		68	19L,111L,013L* 015H,17L*15L* 114L,110L*112L* 19L,015H
	2J03A		2J16A		2013		68	17L,010L*011L* 012L
	2J10D		2J21D		2060		58,68	015L,111H,112H
	2J06C		2J05C		2130		68	111L
013342		000000		017104		017103		
	2J34C		2J22C		2030		63	114L
013346		000000		017102		017101		
	2J02C		2J03C		2130		68	110L
013346		000000		017102		557752		
	2J02C		2J03C		2130		68	19L
013374		000160		000060		000000		
	2J30B		2J29B		2930		63,64	17H,013L*015H, 19L*110L
	2J35C		2J31C		2050		63,64	15L,17L,09H,15L* 16L,17L*18L
	2J26B		2J21B		2060		63,69A	014L,18H,19H, 110H
	2J22B		2J12B		2030		63	011L,112H,113H, 114H,115H
	2J08C		2J07C		2130		68	19H,110H
	2J25B		2J35A		2070		62,63	19L,014H
	2J10B		2J11B		2030		66	16L,113L
	2J24A		2J23A		2090		63,64	010H
	2J33A		2J32A		2030		65A	15L
	2J34A		2J32A		2030		65A	15L
013374		000160		110060		000000		
	2J33A		2J32A		2030		65A	010H,15L*16L* 17L*18L*19L
	2J30E		2J31E		2040		69A	111H,112H
013374		000167		000063		000000		
	2J29E		2J25D		2070		57,58	19L,014H
	2J10B		2J11B		2030		66	112L,15L*16L* 17L*18L*19L, 112L*113L*114L
	2J09A		2J07A		2060		65A,66,69A	18L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
013374	2J16A	000167	2J03A	114463	2013	000000	58	15H, I6H, I7H, I8H, I9H, O10H*O11H* O12H, O13H*O14H* O15H
	2J04D		2J08D		2020		70	I8L, I14L, I5H, I6H, I7H, I13H, I14H, I15H, O11L* O12H, O11H*O12L, I13L*I14L*I15L, I5L*I6L*I7L, I8L* I9L*I10L, O11H, O12H
	2J30G		2J35D		2930		69A, 70	I12L, I5H, I10L* I12L, O8H*O6L, O8H
	2J03D		2J08D		2020		70	I6L, I6L, O11L* O12H, I5L*I6L* I7L, I8L*I9L* I10L, O12H
	2J18A		2J10A		2060		59, 69A, 70	O14L, I8H, I9H, I10H
	2J13A		2J16C		2050		69A, 70	I11L, O10H, I11L* I12L, I13L*I14L* I15L
	2J16F		2J12F		2070		58, 60, 69A	I10L, O15H
	2J20A		2J14A		2070		56, 58, 60	I10L, O15H
	2J09D		2J27D		2013		58	O10L*O11L*O12L
013374	2J19A	000231	2J18A	000021	2060	000000	60	I11L, O15H, I11L* I12L
	2J20A		2J14A		2070		56, 58, 60	O11L, I5H
013701	2J08C	400000	2J07C	000100	2130	017103	68	I10L
014172	2J13D	000000	2J08D	000000	2020	017103	68	I13L
014307	2J09C	000000	2J08C	162400	2130	000000	68	I11L
014307	2J20B	000000	2J19B	162401	2930	000000	63, 64	I7H, O13L*O15H, O15H
	2J34C		2J22C		2030		63	O11L, I12H, I13H,

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J03C		2J02C		2130		68	I14H,I15H I9H,I10H
	2J21B		2J07B		2060		38,63	013L,I6H,I7H
	2J35A		2J25A		2070		61,62,63,64	I7L,013H
	2J24B		2J30A		2090		63	011H
	2J11B		2J10B		2030		66	I6L
	2J33A		2J32A		2030		65A	I6L

014307		000000		162600		000223		
	2J03C		2J02C		2130		68	I9L

014307		000000		163407		000000		
	2J09C		2J08C		2130		68	I9H,I10H,I11H
	2J22B		2J34B		2030		63	010L,I5H,I6H, I7H,I8H,I9H
	2J25B		2J35A		2070		62,63	I6L,012H
	2J24B		2J30A		2090		63	010H
	2J12B		2J11B		2030		66	I6L
	2J33A		2J32A		2030		65A	I7L

014307		000001		000001		000000		
	2J20B		2J19B		2930		63,64	I10L
	2J20C		2J19C		2050		57	09L

014307		000001		162401		000000		
	2J20B		2J19B		2930		63,64	I9L*I10L

014307		000103		000103		000000		
	2J12D		2J02D		2070		57,58,65A	I9L,014H

014307		162400		000000		000000		
	2J07C		2J06C		2130		68	I11L

014307		162400		162400		000000		
	2J05B		2J04B		2020		69A	I5L

014307		162401		000000		000000		
	2J20B		2J19B		2930		63,64	I5H,08H*06L,08H
	2J02C		2J03C		2130		68	I9H,I10H
	2J34B		2J22B		2030		64	011L,I12H,I13H, I14H
	2J25A		2J20A		2070		61,64	I7L,013H
	2J35A		2J25B		2070		61,62,63,64	I9L,014H
	2J23A		2J24A		2090		64	011H
	2J21A		2J19A		2060		38,64	013L
	2J11B		2J10B		2030		66	I5L
	2J33A		2J32A		2030		65A	I13L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014307	2J20B	162401	2J19B	000001	2930	000000	63,64	I10L*I12L
014307	2J09D	162401	2J27D	162401	2013	000000	58	I7H,I8H,I9H, 010H*011H*012H
	2J03A		2J16A		2013		68	I5H,I6H,013H* 014H*015H
	2J03D		2J04D		2020		70	I13L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	2J10D		2J21D		2060		58,68	I9L,I10L,014H, I8L*I9L*I10L
	2J02D		2J12D		2070		65A,70	I7L,013H
	2J11B		2J10B		2030		66	010H,I5L*I6L* I7L*I8L*I9L
014307	2J07C	163407	2J06C	000000	2130	000000	68	I9H,I10H,I11H
	2J22A		2J12A		2030		64	010L,I5H,I6H, I7H,I8H,I9H
	2J25A		2J20A		2070		61,64	I6L,012H
	2J23A		2J24A		2090		64	010H
	2J12B		2J11B		2030		66	I5L
	2J33A		2J32A		2030		65A	I14L
014307	2J07B	163407	2J06B	163407	2060	000000	66	I7L
014351	2J20A	000000	2J14A	557756	2070	017104	56,58,60	I5L,I6L,011H, 012H
	2J16A		2J03A		2013		58	I8L,010L*011L* 012L
	2J16F		2J12F		2070		58,60,69A	015L,I10H
	2J19A		2J18A		2060		60	015L,I11H
	2J09B		2J08B		2900		66	I10L
	2J07B		2J06B		2060		66	I8L
014604	2J15F	000000	2J14F	000023	2013	252525	59	I7H,010H*011H* 012H
014604	2J15F	000000	2J14F	023000	2013	252525	59	I5H,013H*014H* 015H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	2J13F	000000	2J14F	023023	2013	777777	58	015L,013L*014L* 015L
	2J10D		2J21D		2060		58,68	013L,15H
014604	2J03G	000001	2J02G	000025	2090	000000	73	011L,16H
	2J04G		2J09G		2030		73,73A	18L
014604	2J03G	000001	2J02G	025000	2090	000000	73	010L,15H
	2J04G		2J09G		2030		73,73A	17L
014604	2J06G	000002	2J05G	000005	2090	000000	73A	011L,16H
	2J04G		2J09G		2030		73,73A	115L
014604	2J06G	000002	2J05G	005000	2090	000000	73A	010L,15H
	2J04G		2J09G		2030		73,73A	114L
014604	2J08G	000003	2J07G	000025	2090	000000	73B	011L,16H
	2J09G		2J04G		2030		73B,74	18L
014604	2J08G	000003	2J07G	025000	2090	000000	73B	010L,15H
	2J09G		2J04G		2030		73B,74	17L
014604	2J11G	000004	2J10G	000005	2090	000000	74	011L,16H
	2J09G		2J04G		2030		73B,74	112L
014604	2J11G	000004	2J10G	005000	2090	000000	74	010L,15H
	2J09G		2J04G		2030		73B,74	113L
014604	2J13G	000005	2J12G	000025	2090	000000	74A	011L,16H
	2J14G		2J09G		2030		74A,74B	15L
014604	2J13G	000005	2J12G	025000	2090	000000	74A	010L,15H
	2J14G		2J09G		2030		74A,74B	16L
014604	2J16G	000006	2J15G	000005	2090	000000	74B	011L,16H
	2J14G		2J09G		2030		74A,74B	112L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		000006		005000	000000			
	2J16G		2J15G		2090		74B	010L,15H
	2J14G		2J09G		2030		74A,74B	I13L
014604		000007		000025	000000			
	2J18G		2J17G		2090		75	011L,16H
	2J19G		2J14G		2030		75,75A	I5L
014604		000007		025000	000000			
	2J18G		2J17G		2090		75	010L,15H
	2J19G		2J14G		2030		75,75A	I6L
014604		000010		000005	000000			
	2J21G		2J20G		2090		75A	011L,16H
	2J19G		2J14G		2030		75,75A	I12L
014604		000010		005000	000000			
	2J21G		2J20G		2090		75A	010L,15H
	2J19G		2J14G		2030		75,75A	I13L
014604		000011		000025	000000			
	2J23G		2J22G		2090		75B	011L,16H
	2J24G		2J19G		2030		75B,76	I5L
014604		000011		025000	000000			
	2J23G		2J22G		2090		75B	010L,15H
	2J24G		2J19G		2030		75B,76	I6L
014604		000012		000005	000000			
	2J26G		2J25G		2090		76	011L,16H
	2J24G		2J19G		2030		75B,76	I12L
014604		000012		005000	000000			
	2J26G		2J25G		2090		76	010L,15H
	2J24G		2J19G		2030		75B,76	I13L
014604		000013		000025	000000			
	2J03F		2J02F		2090		76A	011L,16H
	2J04F		2J09F		2030		76A,76B	I5L
014604		000013		025000	000000			
	2J03F		2J02F		2090		76A	010L,15H
	2J04F		2J09F		2030		76A,76B	I6L
014604		000014		000005	000000			
	2J06F		2J05F		2090		76B	011L,16H
	2J04F		2J09F		2030		76A,76B	I12L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		000014		005000	000000		
	2J06F		2J05F		2090	76B	010L,I5H
	2J04F		2J09F		2030	76A,76B	I13L
014604		000015		000025	000000		
	2J08F		2J07F		2090	77	011L,I6H
	2J09F		2J04F		2030	77,77A	I5L
014604		000015		025000	000000		
	2J08F		2J07F		2090	77	010L,I5H
	2J09F		2J04F		2030	77,77A	I6L
014604		000016		000005	000000		
	2J11F		2J10F		2090	77A	011L,I6H
014604		000016		005000	000000		
	2J11F		2J10F		2090	77A	010L,I5H
014604		000017		000025	000000		
	2J18F		2J17F		2090	77B	011L,I6H
014604		000017		025000	000000		
	2J18F		2J17F		2090	77B	010L,I5H
	2J19F		2J09F		2030	77B,78	I6L
014604		000020		000005	000000		
	2J21F		2J20F		2090	78	011L,I6H
	2J19F		2J09F		2030	77B,78	I12L
014604		000020		005000	000000		
	2J21F		2J20F		2090	78	010L,I5H
	2J19F		2J09F		2030	77B,78	I13L
014604		000021		000025	000000		
	2J23F		2J22F		2090	78A	011L,I6H
	2J24F		2J19F		2030	78A,78B	I5L
014604		000021		025000	000000		
	2J23F		2J22F		2090	78A	010L,I5H
	2J24F		2J19F		2030	78A,78B	I6L
014604		000022		000005	000000		
	2J26F		2J25F		2090	78B	011L,I6H
	2J24F		2J19F		2030	78A,78B	I12L
014604		000022		005000	000000		
	2J26F		2J25F		2090	78B	010L,I5H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J24F		2J19F		2030		78A,78B	I13L
014604	2J04G	001001	2J09G	025025	2030	000000	73,73A	010H, I5L*I6L* I7L*I8L*I9L
014604	2J02G	001001	2J05G	240240	2090	777777	73	I5L, I6L, 010H, 011H
	2J04G		2J09G		2030		73,73A	010L, I5H, I6H, I7H, I8H, I9H
	2J03G		2J05G		2090		73	010H, 011H
014604	2J04G	002002	2J09G	005005	2030	000000	73,73A	011H, I12L*I13L* I14L
014604	2J05G	002002	2J03G	260260	2090	777777	73A	I5L, I6L, 010H, 011H
	2J04G		2J09G		2030		73,73A	011L, I12H, I14H, I15H
	2J06G		2J07G		2090		73A	010H, 011H
014604	2J09G	003003	2J04G	025025	2030	000000	73B,74	010H, I5L*I6L* I7L*I8L*I9L
014604	2J07G	003003	2J06G	240240	2090	777777	73B	I5L, I6L, 010H, 011H
	2J09G		2J04G		2030		73B,74	010L, I5H, I6H, I7H, I8H, I9H
	2J08G		2J10G		2090		73B	010H, 011H
014604	2J09G	004004	2J04G	005005	2030	000000	73B,74	011H, I12L*I13L* I14L
014604	2J10G	004004	2J08G	260260	2090	777777	74	I5L, I6L, 010H, 011H
	2J09G		2J04G		2030		73B,74	011L, I12H, I13H, I14H, I15H
	2J11G		2J12G		2090		74	010H, 011H
014604	2J14G	005005	2J09G	025025	2030	000000	74A,74B	010H, I5L*I6L*

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
								I7L*I8L*I9L
014604		005005		240240	777777			
	2J126		2J116		2090		74A	I5L,I6L,010H, 011H
	2J146		2J096		2030		74A,74B	010L,I5H,I6H, I7H,I8H,I9H
	2J136		2J156		2090		74A	010H,011H
014604		006006		005005	000000			
	2J146		2J096		2030		74A,74B	011H,I12L*I13L* I14L
014604		006006		260260	777777			
	2J156		2J136		2090		74B	I5L,I6L,010H, 011H
	2J146		2J096		2030		74A,74B	011L,I12H,I13H, I14H,I15H
	2J166		2J176		2090		74B	010H,011H
014604		007007		025025	000000			
	2J196		2J146		2030		75,75A	010H,I5L*I6L* I7L*I8L*I9L
014604		007007		240240	777777			
	2J176		2J166		2090		75	I5L,I6L,010H, 011H
	2J196		2J146		2030		75,75A	010L,I5H,I6H, I7H,I8H
	2J186		2J206		2090		75	010H,011H
014604		010010		005005	000000			
	2J196		2J146		2030		75,75A	011H,I12L*I13L* I14L
014604		010010		260260	777777			
	2J206		2J186		2090		75A	I5L,I6L,010H, 011H
	2J196		2J146		2030		75,75A	011L,I12H,I13H, I14H,I15H
	2J216		2J226		2090		75A	010H,011H
014604		011011		025025	000000			
	2J246		2J196		2030		75B,76	010H,I5L*I6L* I7L*I8L*I9L
014604		011011		240240	777777			
	2J226		2J216		2090		75B	I5L,I6L,010H,

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TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J246		2J196		2030		75B,76	011H 010L,15H,16H, 17H,18H
	2J236		2J256		2090		75B	010H,011H
014604	2J246	012012	2J196	005005	2030	000000	75B,76	011H,112L*113L* 114L
014604	2J256	012012	2J236	260260	2090	777777	76	15L,16L,010H, 011H
	2J246		2J196		2030		75B,76	011L,112H,113H, 114H,115H
	2J266		2J026		2090		76	010H,011H
014604	2J04F	013013	2J09F	025025	2030	000000	76A,76B	010H,15L*16L* 17L*18L*19L
014604	2J02F	013013	2J05F	240240	2090	777777	76A	15L,16L,010H, 011H
	2J04F		2J09F		2030		76A,76B	010L,15H,16H, 17H,18H
	2J03F		2J05F		2090		76A	010H,011H
014604	2J04F	014014	2J09F	005005	2030	000000	76A,76B	011H,112L*113L* 114L
014604	2J05F	014014	2J03F	260260	2090	777777	76B	15L,16L,010H, 011H
	2J04F		2J09F		2030		76A,76B	011L,112H,113H, 114H,115H
	2J06F		2J07F		2090		76B	010H,011H
014604	2J07F	015015	2J06F	240240	2090	777777	77	15L,16L,010H, 011H
	2J08F		2J10F		2090		77	010H,011H
	2J09F		2J04F		2030		77,77A	010L
014604	2J10F	016016	2J08F	260260	2090	777777	77A	15L,16L,010H, 011H
	2J11F		2J17F		2090		77A	010H,011H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J09F		2J04F		2030		77,77A	011L,I12H
014604	2J19F	017017	2J09F	025025	2030	000000	77B,78	010H,I5L*I6L* I7L*I8L*I9L
014604	2J17F	017017	2J11F	240240	2090	777777	77B	I5L,I6L,010H, 011H
	2J19F		2J09F		2030		77B,78	010L,I5H,I7H, I8H
	2J18F		2J20F		2090		77B	010H,011H
014604	2J19F	020020	2J09F	005005	2030	000000	77B,78	011H,I12L*I13L* I14L
014604	2J20F	020020	2J18F	260260	2090	777777	78	I5L,I6L,010H, 011H
	2J19F		2J09F		2030		77B,78	011L,I13H,I14H, I15H
	2J21F		2J22F		2090		78	010H,011H
014604	2J24F	021021	2J19F	025025	2030	000000	78A,78B	010H,I5L*I6L* I7L*I8L*I9L
014604	2J22F	021021	2J21F	240240	2090	777777	78A	I5L,I6L,010H, 011H
	2J24F		2J19F		2030		78A,78B	010L,I5H,I6H, I7H,I8H
	2J23F		2J25F		2090		78A	010H,011H
014604	2J24F	022022	2J19F	005005	2030	000000	78A,78B	011H,I12L*I13L* I14L
014604	2J25F	022022	2J23F	260260	2090	777777	78B	I5L,I6L,010H, 011H
	2J24F		2J19F		2030		78A,78B	011L,I12H,I13H, I14H,I15H
	2J26F		2J026		2090		78B	010H,011H
014724	2J21B	400000	2J07B	000004	2060	017101	38,63	015L,I11H,I12H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-65. JUMPERED CHANNEL TEST - CHAN 4,6 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	2J34A		2J33A		2030		65A	17L

*WHEN P = 014771 CHECK EF/OD AND ID ACKNOWLEDGE TIMING BEFORE CHANGING MODULES.								
014771*		006004		000204		017102		
	2J20C		2J19C		2050		57	17H

014771*		006004		001020		017102		
	2J18A		2J10A		2060		59,69A,70	013H,15L*I6L* 17L
	2J13A		2J16C		2050		69A,70	09L,15H

015561		000000		000335		017101		
	2J31B		2J30B		2930		63,64	17L

015561		000002		000002		017101		
	2J08D		2J04D		2020		68	I13L,18H,19H, I10H,011H*012L, I13L*I14L*I15L, 011H
	2J06B		2J21B		2060		66,69,69A	015L,111H,112H
	2J07B		2J21B		2060		66	I9L

015561		000040		000040		017101		
	2J08D		2J04D		2020		68	I9L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	2J06B		2J07B		2060		66,69,69A	I12L

015561		000335		000000		017101		
	2J31B		2J30B		2930		63,64	I5L

016023		504200		014017		013702		
	2J08C		2J07C		2130		68	I9L

016023		504622		014142		013702		
	2J06C		2J05C		2130		68	I9L

017002		777700		505640		017101		
	2J19C		2J17C		2050		56	I5L,17L,09H,I5L* I6L,I7L*I8L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532		000001		001524		000000		
	1J22A		1J12A		2030		64	I7L
	1J22B		1J12B		2030		63	I7L
005246		000000		000040		010266		
	1J03C		1J02C		2130		68	I9L*I10L*I11L
005246		000000		000200		010266		
	1J02C		1J03C		2130		68	I9L*I10L*I11L
005246		000040		000000		010266		
	1J09C		1J08C		2130		68	I9L*I10L*I11L
005246		000200		000000		010266		
	1J07C		1J06C		2130		68	I9L*I10L*I11L
010266		000000		000002		000000		
	1J35A		1J25A		2070		61,62,63,64	011L,I5H
010266		000000		000010		000000		
	1J35A		1J25A		2070		61,62,63,64	012L,I6H
010266		000000		000040		000000		
	1J35A		1J25A		2070		61,62,63,64	013L,I7H
010266		000000		000200		000000		
	1J35A		1J25A		2070		61,62,63,64	014L,I9H
010315		100000		000000		017101		
	1J07D		1J06D		2900		68	I10L
011361		400000		505705		017102		
	1J09C		1J08C		2130		68	I10L
011361		400000		505707		307712		
	1J07C		1J06C		2130		68	I10L
	1J13D		1J08D		2020		68	I9L
011671		017102		017102		000000		
	1J32C		1J27C		2013		60,69	I5L,013L*014L*015L
012173		000000		5026X7		060711		
	1J19B		1J18B		2930		63,64	I7H
013142		000400		505640		017101		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	1J14F		1J13F		2013		59	I5L,I7L,010L* 011L*012L,013L* 014L*015L
	1J06C		1J05C		2130		68	I10L,I9H,I10H, I11H
	1J35C		1J31C		2050		63,64	09L,010L,I11L, I13L,I5H,010H, I11H
	1J22A		1J12A		2030		64	011L,I13L,I14L, I12H,I13H,I14H, I15H
	1J30B		1J29B		2930		63,64	I5H,I10L*I12L, 08H*06L
	1J26A		1J21A		2060		60,64	014L,I8H,I9H, I10H
	1J25A		1J20A		2070		61,64	I9L,014H
	1J33A		1J32A		2030		65	I12L,011H,I12L* I13L*I14L
	1J22B		1J12B		2030		63	I13L,I14L
	1J31D		1J35D		2930		61,62	I10L
	1J29E		1J25D		2070		57,58,67	I6L
	1J06A		1J08A		2900		65	I9H
	1J30E		1J31E		2040		69	I13H,I14H
	1J24A		1J23A		2090		63,64	011H
	1J10B		1J11B		2030		66	I5L
	1J34A		1J32A		2030		65	I12L

013233		000000		017104		017101		
	1J34B		1J22B		2030		64	I14L

013237		000000		017102		017101		
	1J05D		1J06D		2900		68	I10L,I11L,I12L, 06L*08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
	1J03C		1J02C		2130		68	I10L

013320		000000		000000		017101		
	1J07D		1J06D		2900		68	I9L,I11L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	1J06C		1J05C		2130		68	I11L

013342		000000		017104		017101		
	1J34C		1J22C		2030		63	I14L

013346		000000		017102		017101		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	1J05D		1J06D		2900		68	I9L,013L*015H, 015H
	1J02C		1J03C		2130		68	I9L,I10L

013374		000160		000060		000000		
	1J08C		1J07C		2130		68	I9H,I10H,I11H
	1J30B		1J29B		2930		63,64	I7H,013L*015H, I9L*I10L
	1J26B		1J21B		2060		63,69	014L,I8H,I9H, I10H
	1J22B		1J12B		2030		63	011L,I12H,I13H, I14H,I15H
	1J25B		1J35A		2070		62,63	I9L,014H
	1J35C		1J31C		2050		63,64	I5L,I7L,09H
	1J10B		1J11B		2030		66	I6L,I13L
	1J24A		1J23A		2090		63,64	010H
	1J33A		1J32A		2030		65	I5L
	1J34A		1J32A		2030		65	I5L

013374		000160		110060		000000		
	1J33A		1J32A		2030		65	010H,I5L*I6L* I7L*I8L*I9L
	1J06A		1J08A		2900		65	I12H
	1J30E		1J31E		2040		69	I11H,I12H

013374		000167		000063		000000		
	1J10B		1J11B		2030		66	I12L

013411		000000		000000		017101		
	1J31D		1J35D		2930		61,62	I9L,I12L

013701		400000		000100		017101		
	1J08C		1J07C		2130		68	I10L

014307		000000		162400		000000		
	1J09C		1J08C		2130		68	I11L

014307		000000		162401		000000		
	1J20B		1J19B		2930		63,64	I7H,013L*015H, 015H
	1J05D		1J06D		2900		68	I12H,06H*08L, 06H
	1J21B		1J07B		2060		38,63	013L,I5H,I6H, I7H
	1J03C		1J02C		2130		68	I9H,I10H
	1J34C		1J22C		2030		63	011L,I12H,I13H, I14H
	1J35A		1J25A		2070		61,62,63,64	I7L,013H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	1J24B		1J30A		2090		63	011H
	1J11B		1J10B		2030		66	I6L
	1J33A		1J32A		2030		65	I6L
014307	1J03C	000000	1J02C	162600	2130	000221	68	I9L
014307	1J18B	000000	1J17B	163407	2930	000000	63,64	I7H,013L*015H, I9L*I10L,015H
	1J09C		1J08C		2130		68	I9H,I10H,I11H
	1J22B		1J34B		2030		63	010L,15H,I6H, I7H,I8H,I9H
	1J25B		1J35A		2070		62,63	I6L,012H
	1J24B		1J30A		2090		63	010H
	1J12B		1J11B		2030		66	I6L
	1J33A		1J32A		2030		65	I7L
014307	1J20B	000001	1J19B	000001	2930	000000	63,64	I10L
014307	1J20B	000001	1J19B	162401	2930	000000	63,64	I9L*I10L
014307	1J07C	162400	1J06C	000000	2130	000000	68	I11L
014307	1J20B	162401	1J19B	000000	2930	000000	63,64	I5H,08H*06L,08H I9H,013H*015L, 013H
	1J05D		1J06D		2900		68	I9H,I10H
	1J02C		1J03C		2130		68	011L,I12H,I13H, I14H
	1J34B		1J22B		2030		64	I7L,013H
	1J25A		1J20A		2070		61,64	I9L,014H
	1J35A		1J25B		2070		61,62,63,64	011H
	1J23A		1J24A		2090		64	013L
	1J21A		1J19A		2060		38,64	I5L
	1J11B		1J10B		2030		66	I13L
	1J33A		1J32A		2030		65	
014307	1J20B	162401	1J19B	000001	2930	000000	63,64	I10L*I12L
014307	1J18B	163407	1J17B	000000	2930	000000	63,64	I5H,I10L*I12L, 08H*06L,08H
	1J07C		1J06C		2130		68	I9H,I10H,I11H

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	1J22A		1J12A		2030		64	010L,15H,16H, 17H,18H,19H
	1J25A		1J20A		2070		61,64	I6L,012H
	1J23A		1J24A		2090		64	010H
	1J12B		1J11B		2030		66	I5L
	1J33A		1J32A		2030		65	I14L
014604		000000		000023		017101		
	1J15F		1J14F		2013		59	I7H,010H*011H* 012H
014604		000000		023000		017101		
	1J15F		1J14F		2013		59	I5H,013H*014H* 015H
014604		000001		000025		017101		
	1J03G		1J02G		2090		73	011L,16H
	1J04G		1J09G		2030		73,73A	I8L
014604		000001		025000		017101		
	1J03G		1J02G		2090		73	010L,15H
	1J04G		1J09G		2030		73,73A	I7L
014604		000002		000005		017101		
	1J04G		1J09G		2030		73,73A	I15L
014604		000002		005000		017101		
	1J04G		1J09G		2030		73,73A	I14L
014604		000003		000025		017101		
	1J09G		1J04G		2030		73B,74	I8L
014604		000003		025000		017101		
	1J09G		1J04G		2030		73B,74	I7L
014604		000004		000005		017101		
	1J09G		1J04G		2030		73B,74	I12L
014604		000004		005000		017101		
	1J09G		1J04G		2030		73B,74	I13L
014604		000005		000025		017101		
	1J14G		1J09G		2030		74A,74B	I5L
014604		000005		025000		017101		
	1J14G		1J09G		2030		74A,74B	I6L
014604		000006		000005		017101		

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	1J14G		1J09G		2030		74A,74B	I12L
014604		000006		005000		017101		
	1J14G		1J09G		2030		74A,74B	I13L
014604		000007		000025		017101		
	1J19G		1J14G		2030		75,75A	I5L
014604		000007		025000		017101		
	1J19G		1J14G		2030		75,75A	I6L
014604		000010		000005		017101		
	1J19G		1J14G		2030		75,75A	I12L
014604		000010		005000		017101		
	1J19G		1J14G		2030		75,75A	I13L
014604		000011		000025		017101		
	1J24G		1J19G		2030		75B,76	I5L
014604		000011		025000		017101		
	1J24G		1J19G		2030		75B,76	I6L
014604		000012		000005		017101		
	1J24G		1J19G		2030		75B,76	I12L
014604		000012		005000		017101		
	1J24G		1J19G		2030		75B,76	I13L
014604		000013		000025		017101		
	1J03F		1J02F		2090		76A	011L, I6H
	1J04F		1J09F		2030		76A,76B	I5L
014604		000013		025000		017101		
	1J03F		1J02F		2090		76A	010L, I5H
	1J04F		1J09F		2030		76A,76B	I6L
014604		000014		000005		017101		
	1J06F		1J05F		2090		76B	011L, I6H
	1J04F		1J09F		2030		76A,76B	I12L
014604		000014		005000		017101		
	1J06F		1J05F		2090		76B	010L, I5H
	1J04F		1J09F		2030		76A,76B	I13L
014604		000015		000025		017101		
	1J08F		1J07F		2090		77	011L, I6H
	1J09F		1J04F		2030		77,77A	I5L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		000015		025000		017101		
	1J08F		1J07F		2090		77	010L,15H
	1J09F		1J04F		2030		77,77A	16L
014604		000016		000005		017101		
	1J11F		1J10F		2090		77A	011L,16H
	1J09F		1J04F		2030		77,77A	112L
014604		000016		005000		017101		
	1J11F		1J10F		2090		77A	010L,15H
	1J09F		1J04F		2030		77,77A	113L
014604		000017		000025		017101		
	1J18F		1J17F		2090		77B	011L,16H
	1J19F		1J09F		2030		77B,78	15L
014604		000017		025000		017101		
	1J18F		1J17F		2090		77B	010L,15H
	1J19F		1J09F		2030		77B,78	16L
014604		000020		000005		017101		
	1J21F		1J20F		2090		78	011L,16H
	1J19F		1J09F		2030		77B,78	112L
014604		000020		005000		017101		
	1J21F		1J20F		2090		78	010L,15H
	1J19F		1J09F		2030		77B,78	113L
014604		000021		000025		017101		
	1J23F		1J22F		2090		78A	011L,16H
	1J24F		1J19F		2030		78A,78B	15L
014604		000021		025000		017101		
	1J23F		1J22F		2090		78A	010L,15H
	1J24F		1J19F		2030		78A,78B	16L
014604		000022		000005		017101		
	1J26F		1J25F		2090		78B	011L,16H
	1J24F		1J19F		2030		78A,78B	112L
014604		000022		005000		017101		
	1J26F		1J25F		2090		78B	010L,15H
	1J24F		1J19F		2030		78A,78B	113L
014604		001001		240240		017101		
	1J026		1J036		2090		73	15L,16L

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TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	1J02F	013013	1J03F	240240	2090	017101	76A	I5L,I6L
014604	1J05F	014014	1J03F	260260	2090	017101	76B	I5L,I6L
014604	1J07F	015015	1J06F	240240	2090	017101	77	I5L,I6L
014604	1J10F	016016	1J08F	260260	2090	017101	77A	I5L,I6L
014604	1J17F	017017	1J11F	240240	2090	017101	77B	I5L,I6L
014604	1J20F	020020	1J18F	260260	2090	017101	78	I5L,I6L
014604	1J22F	021021	1J21F	240240	2090	017101	78A	I5L,I6L
014604	1J25F	022022	1J23F	260260	2090	017101	78B	I5L,I6L
014724	1J21B 1J19B 1J34A	400000	1J07B 1J18B 1J33A	000004	2060 2930 2030	017101	38,63 63,64 65	015L,I11H,I12H I9H I7L
014724	1J19B	400000	1J18B	000005	2930	017101	63,64	I14L
*WHEN P = 014771 CHECK EF/OD AND ID ACKNOWLEDGE TIMING BEFORE CHANGING MODULES.								
014771*	1J18B	007005	1J17B	000041	2930	017101	63,64	I10L
015561	1J31B	000000	1J30B	000335	2930	017101	63,64	I7L
015561	1J31B	000335	1J30B	000000	2930	017101	63,64	I5L
016023	1J08C	504200	1J07C	014017	2130	013702	68	I9L
016023	1J06C	504622	1J05C	014142	2130	013702	68	I9L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-66. JUMPERED CHANNEL TEST - CHAN 5,7 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
017002		777700		505640		017101		
	1J19B		1J18B		2930		63,64	15H

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TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532		000001		001524		000000		
	OJ22C		OJ34C		2030		62	I7L
	OJ22D		OJ34D		2030		61	I7L
005246		000000		000400		010266		
	OJ04D		OJ03D		2020		70	I8L, I13H, I14H, I15H, O11L*O12H, I5L*I6L*I7L, I8L* I9L*I10L, O12H
	OJ02D		OJ12D		2070		65A, 70	O13L, I7H
	OJ05C		OJ04C		2331*		68	I9L*I10L*I11L
005246		000000		002000		010266		
	OJ04C		OJ03C		2331*		68	I9L*I10L*I11L
005246		000000		017102		013346		
	OJ03D		OJ04D		2020		70	I13H, I14H, I15H
005246		000015		000005		014604		
	OJ06G		OJ05G		2321**		73A	O10L
	OJ07G		OJ08G		2321**		73b	I5L
	OJ11F		OJ10F		2321**		77A	I6H
	OJ20G		OJ18G		2321**		75A	I5L
	OJ25D		OJ12D		2070		61, 64	I9H
005246		000015		000245		014604		
	OJ06G		OJ05G		2321**		73A	I6H
	OJ07G		OJ05G		2321**		73b	I6L
	OJ08G		OJ05G		2321**		73B	I6H
	OJ10F		OJ08F		2321**		77A	I6L
	OJ10G		OJ12G		2321**		74	I6L
	OJ11F		OJ17F		2321**		77A	I5H
	OJ11G		OJ12G		2321**		74	O11L
	OJ13G		OJ12G		2321**		74A	I5H
	OJ17G		OJ16G		2321**		75	I6L
	OJ20F		OJ18F		2321**		78	I6L
	OJ23F		OJ22F		2321**		78A	O11L
	OJ12D		OJ02D		2070		57, 58, 65A	O11L
	OJ12F		OJ16F		2070		56, 57	I5H
	OJ25D		OJ29E		2070		61, 64	O11H
	OJ05A		1J05A		2080		65A	I12L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
005246	OJ13C	000400	OJ12C	000000	2331*	010266	68	I9L*I10L*I11L
005246	OJ01E	000400	OJ27D	000400	2013	010266	06	I7H,I8H,I9H
005246	OJ11C	002000	OJ10C	000000	2331*	010266	68	I9L*I10L*I11L
011464	OJ09D	400000	OJ27D	000000	2013	307712	58	013H*014H*015H
011671	OJ13D	017102	OJ08D	017102	2020	000000	68	I14L
012173	OJ29E	000000	OJ25D	502617	2070	060711	57,58	014L,I9H
012247	OJ07A	000400	OJ02A	000400	2060	607707	65A	I6L,I7L,013H, I5L*I6L*I7L
012247	OJ07A	002000	OJ02A	002000	2060	607707	65A	I8L,014H,I8L* I9L*I10L
012247	OJ07A	003400	OJ02A	003400	2060	607707	65A	I10L
012247	OJ07A	010000	OJ02A	010000	2060	607707	65A	I11L,015H,I11L* I12L
012247	OJ07A	017400	OJ02A	017400	2060	607707	65A	I12L
013142	OJ13F	000400	OJ14F	505640	2013	017101	58	I5H,I6H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	OJ15F		OJ14F		2013		59	I5L,I7L,010L* 011L*012L,013L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	0J05B		0J28B		2020		69A	014L*015L I5L,I8L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	0J35E		0J35C		2050		61,62	09L,010L,I11L, I13L,I5H,010H, I11H,I11L*I12L, I13L*I14L*I15L I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H I5H,I6H,013H* 014H*015H
	0J04B		0J03B		2020		69A	I6L,012L,I6H, 012H 011L,I13L,I14L, I12H,I13H,I14H, I15H I10L,I9H,I10H, I11H I5L,013L*014L* 015L I5L,I6L,013H, I5L*I6L*I7L 014L,I8H,I9H, I10H 015L,I11H,I12H I6L,012H I9L,014H I12L,011H,I12L* I13L*I14L I8L 011H I13L,I14L I9H I9H,I10H I10L I5H I7L I12L
	0J23C		0J27C		2013		06	
	0J12D		0J25D		2070		57,58,65A	
	0J22C		0J34C		2030		62	
	0J10C		0J09C		2331*		68	
	0J01C		0J27C		2013		06	
	0J10D		0J21D		2060		58,68	
	0J26C		0J21C		2060		57,62	
	0J26D		0J21D		2060		61,69A	
	0J02D		0J25D		2070		65A,70	
	0J25C		0J14C		2070		62,63	
	0J31A		0J22A		2030		65A	
	0J14B		0J27B		2013		58,70	
	0J24D		0J23D		2321**		61,62	
	0J22D		0J34D		2030		61	
	0J08A		0J06A		2900		65A	
	0J30E		0J31E		2040		69A	
	0J12C		0J11C		2331*		68	
	0J17C		0J16C		2050		56,57	
	0J10B		0J11B		2030		66	
	0J32A		0J33A		2030		65A	

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
013233	0J34D	000000	0J22D	017104	2030	017101	62	I14L
013237	0J06D	000000	0J05D	017102	2900	017101	68	I11L,I12L,06L* 08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
	0J03A		0J16A		2013		68	I6L,013L*014L* 015L
	0J10D		0J21D		2060		58,68	014L,I9H,I10H
	0J27D		0J09D		2013		59A,60	I8L
	0J05C		0J04C		2331*		68	I10L
013316	0J11D	000000	0J07D	000000	2900	017101	68	I9L,I11L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	0J03A		0J16A		2013		68	I7L,010L*011L* 012L
	0J10D		0J21D		2060		58,68	015L,I11H,I12H
	0J01E		0J27D		2013		06	010H*011H*012H
	0J10C		0J09C		2331*		68	I11L
013342	0J34E	000000	0J34D	017104	2030	017101	61	I14L
013346	0J06D	000000	0J05D	017102	2900	017101	68	I9L,013L*015H, 015H
	0J04C		0J03C		2331*		68	I9L,I10L
013374	0J35E	000160	0J35C	000060	2050	000000	61,62	I5L,I7L,09H,I5L* I6L,I7L*I8L
	0J26D		0J21D		2060		61,69A	014L,I8H,I9H, I10H
	0J22D		0J34D		2030		61	011L,I12H,I13H, I14H,I15H
	0J12C		0J11C		2331*		68	I9H,I10H,I11H
	0J25D		0J12D		2070		61,64	I9L,014H
	0J24D		0J23D		2321**		61,62	010H
	0J10B		0J11B		2030		66	I8L,I15L

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 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ31A		OJ22A		2030		65A	I5L
	OJ32A		OJ33A		2030		65A	I5L
013374		000160		110060		000000		
	OJ31A		OJ22A		2030		65A	011L,010H,112H, 113H,114H,115H, 15L*I6L*I7L*I8L* I9L
	OJ08A		OJ06A		2900		65A	112H
	OJ30E		OJ31E		2040		69A	17H,18H
013374		000167		000063		000000		
	OJ09B		OJ08B		2900		66	19H,114H,013H* 015L,013H
	OJ10B		OJ11B		2030		66	114L,010H,011H, 15L*I6L*I7L*I8L* I9L,112L*113L* I14L
	OJ29E		OJ25D		2070		57,58	19L,014H
	OJ07B		OJ06B		2060		66	111L
	OJ09A		OJ07A		2060		65A,66,69A	I8L
013374		000167		114463		000000		
	OJ16A		OJ03A		2013		58	15H,16H,17H,18H, 19H,013H*014H* 015H
	OJ33A		OJ32A		2030		65A	010L,011L,15H, 16H,17H,18H,19H, 112H,113H,114H, 115H
	OJ03B		OJ02B		2020		69A	I6L,I9L,113H, 114H,115H,011L* 012H,15L*16L* 17L,I8L*I9L* I10L,012H
	OJ04D		OJ08D		2020		70	114L,15H,16H, 17H,011H*012L, 113L*114L*115L, 011H
	OJ03D		OJ08D		2020		70	I6L,I8L,011L* 012H,15L*I6L* I7L,I8L*I9L* I10L,012H

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 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ05B		OJ04B		2020		69A	15H,16H,17H, 011H*012L,113L* 114L*115L,011H
	OJ09D		OJ27D		2013		58	17L,010L*011L* 012L
	OJ18A		OJ10A		2060		59,69A,70	014L,18H,19H, 110H
	OJ13A		OJ16C		2050		69A,70	111L,010H,111L* 112L,113L*114L* 115L
	OJ26D		OJ21D		2060		61,69A	111L,015H,111L* 112L
	OJ12D		OJ02D		2070		57,58,65A	014L,19H
	OJ16F		OJ12F		2070		58,60,69A	110L,015H
	OJ20A		OJ14A		2070		56,58,60	110L,015H
	OJ06A		OJ08A		2900		65A	19L,112L
	OJ06B		OJ07B		2060		66,69,69A	16L
	OJ30E		OJ31E		2040		69A	015L

013374		000231		000021		000000		
	OJ19A		OJ18A		2060		60	111L,015H,111L* 112L
	OJ20A		OJ14A		2070		56,58,60	011L,15H

014165		000000		000000		017101		
	OJ16A		OJ03A		2013		58	18L,010L*011L* 012L
	OJ16F		OJ12F		2070		58,60,69A	015L,110H
	OJ09B		OJ08B		2900		66	110L

014307		000000		162400		000000		
	OJ13C		OJ12C		2331*		68	111L

014307		000000		162401		000000		
	OJ06D		OJ05D		2900		68	112H,06H*08L, 06H
	OJ34E		OJ34D		2030		61	011L,112H,113H, 114H,115H
	OJ21D		OJ10D		2060		38,61	013L,16H,17H
	OJ25D		OJ12D		2070		61,64	17L,013H
	OJ35A		OJ25A		2070		61,62,63,64	15L,011H
	OJ05C		OJ04C		2331*		68	19H,110H
	OJ23D		OJ24D		2321**		61	011H
	OJ11B		OJ10B		2030		66	18L

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 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ31A		OJ22A		2030		65A	I6L
014307	OJ05C	000000	OJ04C	162600	2331*		68	I9L
014307	OJ22D	000000	OJ34D	163407	2030		61	010L, 15H, 16H, 17H, 18H, 19H
	OJ13C		OJ12C		2331*		68	19H, 110H, 111H
	OJ25D		OJ12D		2070		61, 64	16L, 012H
	OJ23D		OJ24D		2321**		61	010H
	OJ12B		OJ11B		2030		66	I8L
	OJ31A		OJ22A		2030		65A	I7L
014307	OJ12D	160503	OJ02D	160503	2070		57, 58, 65A	I9L, 014H
014307	OJ11C	162400	OJ10C	000000	2331*		68	I11L
014307	OJ06D	162401	OJ05D	000000	2900		68	I9H, 013H*015L, 013H
	OJ34D		OJ22D		2030		62	011L, 112H, 113H, 114H, 115H
	OJ25C		OJ14C		2070		62, 63	I7L, 013H
	OJ35A		OJ25A		2070		61, 62, 63, 64	I6L, 012H
	OJ04C		OJ03C		2331*		68	I9H, 110H
	OJ24C		OJ24B		2321**		62	011H
	OJ21C		OJ18C		2060		38, 62	013L
	OJ11B		OJ10B		2030		66	I7L
	OJ31A		OJ22A		2030		65A	I13L
014307	OJ09D	162401	OJ27D	162401	2013		58	I7H, 18H, 19H, 010H*011H*012H
	OJ23C		OJ01C		2013		06	I5L, I7L, 010L* 011L*012L, 013L* 014L*015L
	OJ32C		OJ27C		2013		60, 69A	I7H, 18H, 19H, 010H*011H*012H
	OJ03D		OJ08D		2020		70	I14L, I15L, I5H, I6H, I7H, 011H*

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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 2-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
								012L, I13L* I14L* I15L, 011H I5H, I6H, 013H* 014H* 015H
	OJ03A		OJ16A		2013		66	
	OJ02D		OJ12D		2070		65A, 70	17L, 012L, I6H, 013H
	OJ10D		OJ21D		2060		58, 6E	19L, I10L, 014H, I8L* I9L* I10L
	OJ04D		OJ08D		2020		70	I13L, I15L
	OJ11B		OJ10B		2030		66	010H, I5L* I6L* I7L* I8L* I9L
	OJ09B		OJ08B		2900		66	I12H
	OJ20C		OJ19C		2050		57	09L

014307		163407		000000		000000		
	OJ22C		OJ34C		2030		62	010L, I5H, I6H, I7H, I8H, I9H
	OJ11C		OJ10C		2331*		68	I9H, I10H, I11H
	OJ25C		OJ14C		2070		62, 63	I6L, 012H
	OJ24C		OJ24B		2321**		62	010H
	OJ12B		OJ11B		2030		66	I7L
	OJ31A		OJ22A		2030		65A	I14L

014307		163407		163407		000000		
	OJ16A		OJ03A		2013		58	010H* 011H* 012H
	OJ08B		OJ09B		2900		66	I9H
	OJ07B		OJ06B		2060		66	I7L

014351		000000		557756		017101		
	OJ20A		OJ14A		2070		56, 58, 60	I5L, I6L, 011H, 012H
	OJ19A		OJ18A		2060		60	015L, I11H
	OJ07B		OJ06B		2060		66	I8L

014604		000000		000023		017101		
	OJ14F		OJ13F		2013		59A	I7H, I8H, I9H, 010H* 011H* 012H

014604		000000		023000		017101		
	OJ14F		OJ13F		2013		59A	I5H, I6H, 013H* 014H* 015H

014604		000000		023023		017101		
	OJ13F		OJ14F		2013		58	I5L, 013L* 014L*

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 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ10D		OJ21D		2060		5E,6E	015L 013L,15H,16H
014604		000001		000025		017101		
	OJ02G		OJ03G		2321**		73	011L,16H
	OJ04G		OJ09G		2030		73,73A	I6L
014604		000001		025000		017101		
	OJ02G		OJ03G		2321**		73	010L
	OJ04G		OJ09G		2030		73,73A	I5L
014604		000002		000005		017101		
	OJ05G		OJ03G		2321**		73A	011L,16H
	OJ04G		OJ09G		2030		73,73A	I13L
014604		000002		005000		017101		
	OJ05G		OJ03G		2321**		73A	010L,15H
	OJ04G		OJ09G		2030		73,73A	I12L
014604		000003		000025		017101		
	OJ07G		OJ06G		2321**		73B	011L
	OJ09G		OJ04G		2030		73B,74	I6L
014604		000003		025000		017101		
	OJ09G		OJ04G		2030		73B,74	I5L
014604		000003		031031		017101		
	OJ03E		OJ06E		2900		71	I10L, I11L, I7L* I5L* I14L, I10L* I12L* I9L
014604		000004		000005		017101		
	OJ10G		OJ08G		2321**		74	011L,16H
	OJ09G		OJ04G		2030		73B,74	I14L
014604		000004		005000		017101		
	OJ10G		OJ08G		2321**		74	010L,15H
	OJ09G		OJ04G		2030		73B,74	I15L
014604		000005		000025		017101		
	OJ12G		OJ11G		2321**		74A	I6H
	OJ14G		OJ09G		2030		74A,74L	I7L
014604		000005		025000		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
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NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	OJ12G OJ14G		OJ11G OJ09G		2321** 2030	74A 74A,74B	010L 18L
014604		000006		000005	017101		
	OJ15G OJ14G		OJ13G OJ09G		2321** 2030	74B 74A,74B	011L,16H 114L
014604		000006		005000	017101		
	OJ15G OJ14G		OJ13G OJ09G		2321** 2030	74B 74A,74B	010L,15H 115L
014604		000007		000025	017101		
	OJ19G		OJ14G		2030	75,75A	17L
014604		000007		025000	017101		
	OJ19G		OJ14G		2030	75,75A	18L
014604		000010		000005	017101		
	OJ20G OJ19G		OJ18G OJ14G		2321** 2030	75A 75,75A	011L,16H 114L
014604		000010		005000	017101		
	OJ20G OJ19G		OJ18G OJ14G		2321** 2030	75A 75,75A	010L,15H 115L
014604		000011		000025	017101		
	OJ22G OJ24G		OJ21G OJ19G		2321** 2030	75B 75B,76	011L,16H 17L
014604		000011		025000	017101		
	OJ22G OJ24G		OJ21G OJ19G		2321** 2030	75B 75B,76	010L,15H 18L
014604		000012		000005	017101		
	OJ25G OJ24G		OJ23G OJ19G		2321** 2030	76 75B,76	011L,16H 114L
014604		000012		005000	017101		
	OJ25G OJ24G		OJ23G OJ19G		2321** 2030	76 75B,76	010L,15H 115L
014604		000013		000025	017101		
	OJ02F OJ04F		OJ03F OJ09F		2321** 2030	76A 76A,76B	16H 17L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		000013		025000		017101		
	OJ02F		OJ03F		2321**		76A	010L, I5H
	OJ04F		OJ09F		2030		76A, 76B	I8L
014604		000014		000005		017101		
	OJ05F		OJ03F		2321**		76B	011L, I6H
	OJ04F		OJ09F		2030		76A, 76B	I14L
014604		000014		005000		017101		
	OJ05F		OJ03F		2321**		76B	010L
	OJ04F		OJ09F		2030		76A, 76B	I15L
014604		000014		011011		017101		
	OJ06E		OJ03E		2900		71	I10L
014604		000014		031031		017101		
	OJ06E		OJ03E		2900		71	I11L, I7L* I5L*
								I14L, I10L* I12L*
								I9L
014604		000015		000005		017101		
	OJ13G		OJ12G		2321**		74A	010L
014604		000015		000025		017101		
	OJ07F		OJ06F		2321**		77	011L, I6H
	OJ09F		OJ04F		2030		77, 77A	I7L
014604		000015		000245		017101		
	OJ11G		OJ10G		2321**		74	010L
	OJ17G		OJ16G		2321**		75	I5L
	OJ18G		OJ20G		2321**		75	I5H
	OJ23F		OJ22F		2321**		78A	I5H
	OJ26F		OJ25F		2321**		78B	I5H
014604		000015		000271		017101		
	OJ17G		OJ16G		2321**		75	011L, I6H
	OJ02F		OJ03F		2321**		76A	011L
	OJ07G		OJ06G		2321**		73B	I6H
	OJ12G		OJ11G		2321**		74A	011L
014604		000015		025000		017101		
	OJ07F		OJ06F		2321**		77	010L, I5H
	OJ09F		OJ04F		2030		77, 77A	I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		000015		240445	017101		
	OJ23F		OJ22F		2321**	78A	15L,16L
	OJ03G		OJ02G		2321**	73	16L
	OJ07G		OJ06G		2321**	73B	011H
	OJ08G		OJ10G		2321**	73B	16L
	OJ13G		OJ12G		2321**	74A	16L
	OJ18F		OJ17F		2321**	77B	15L
014604		000015		260265	017101		
	OJ06F		OJ05F		2321**	76B	16L
	OJ10F		OJ08F		2321**	77A	011H
	OJ26F		OJ25F		2321**	78B	16L
014604		000015		260465	017101		
	OJ10G		OJ08G		2321**	74	010H
	OJ11G		OJ12G		2321**	74	15L
014604		000016		000005	017101		
	OJ10F		OJ08F		2321**	77A	011L,16H
	OJ09F		OJ04F		2030	77,77A	114L
014604		000016		005000	017101		
	OJ10F		OJ08F		2321**	77A	15H
	OJ09F		OJ04F		2030	77,77A	115L
014604		000017		000025	017101		
	OJ17F		OJ11F		2321**	77B	011L,16H
	OJ19F		OJ09F		2030	77B,78	17L
014604		000017		025000	017101		
	OJ17F		OJ11F		2321**	77B	010L,15H
	OJ19F		OJ09F		2030	77B,78	18L
014604		000020		000005	017101		
	OJ20F		OJ18F		2321**	78	011L,16H
	OJ19F		OJ09F		2030	77B,78	114L
014604		000020		005000	017101		
	OJ20F		OJ18F		2321**	78	010L
	OJ19F		OJ09F		2030	77B,78	115L
014604		000021		000025	017101		
	OJ22F		OJ21F		2321**	78A	011L,16H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ24F		OJ19F		2030		78A,78B	I7L
014604		000021		025000		017101		
	OJ22F		OJ21F		2321**		78A	010L,15H
	OJ24F		OJ19F		2030		78A,78B	I8L
014604		000022		000005		017101		
	OJ25F		OJ23F		2321**		78B	011L,16H
	OJ24F		OJ19F		2030		78A,78E	I14L
014604		000022		005000		017101		
	OJ25F		OJ23F		2321**		78B	010L,15H
	OJ24F		OJ19F		2030		78A,78B	I15L
014604		000060		011011		017101		
	OJ09E		OJ06E		2900		71	I10L
014604		000060		031031		017101		
	OJ09E		OJ06E		2900		71	I11L,17L*15L* I14L,110L*I12L* I9L
014604		000300		031031		017101		
	OJ12E		OJ09E		2900		71	I11L,17L*15L* I14L,110L*I12L* I9L
014604		001001		025025		017101		
	OJ03E		OJ06E		2900		71	I9L,013L*015H, 015H
	OJ04G		OJ09G		2030		73,73A	010H,15L*I16L* I7L*I8L*I9L
	OJ02E		OJ04E		2341***		71	I15L
014604		001001		240240		017101		
	OJ03G		OJ05G		2321**		73	I5L,010H,011H
	OJ04G		OJ09G		2030		73,73A	010L,15H,I6H, I7H,I8H,I9H
	OJ03E		OJ06E		2900		71	I9H,013H*015L, 013H
	OJ02G		OJ05G		2321**		73	010H,011H
	OJ02E		OJ04E		2341***		71	I15H
014604		001400		031031		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ15E		OJ12E		2900		71,72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014604		002002		005005		017101		
	OJ03E		OJ06E		2900		71	I12L,06L*08H, 08H
	OJ04G		OJ09G		2030		73,73A	011H,I12L*I13L* I14L
	OJ04E		OJ02E		2341***		71	I15L
014604		002002		260260		017101		
	OJ06G		OJ07G		2321**		73A	I5L,I6L,010H, 011H
	OJ03E		OJ06E		2900		71	I12H,06H*08L, 06H
	OJ04G		OJ09G		2030		73,73A	011L,I12H,I13H, I14H,I15H
	OJ05G		OJ03G		2321**		73A	010H,011H
	OJ04E		OJ02E		2341***		71	I15H
014604		003003		025025		017101		
	OJ06E		OJ03E		2900		71	I9L,013L*015H, 015H
	OJ09G		OJ04G		2030		73B,74	010H,I5L*I6L* I7L*I8L*I9L
	OJ05E		OJ04E		2341***		71	I15L
014604		003003		240240		017101		
	OJ08G		OJ10G		2321**		73B	I5L,010H,011H
	OJ09G		OJ04G		2030		73B,74	010L,I5H,I6H, I7H,I8H,I9H
	OJ06E		OJ03E		2900		71	I9H,013H*015L, 013H
	OJ07G		OJ06G		2321**		73B	010H
	OJ05E		OJ04E		2341***		71	I15H
014604		004004		005005		017101		
	OJ06E		OJ03E		2900		71	I12L,06L*08H, 08H
	OJ09G		OJ04G		2030		73B,74	011H,I12L*I13L* I14L
	OJ07E		OJ05E		2341***		71	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		004004		260260	017101		
	OJ11G		OJ12G		2321**	74	16L,010H,011H
	OJ06E		OJ03E		2900	71	I12H,06H*08L, 06H
	OJ09G		OJ04G		2030	73B,74	011L,I12H,I13H, I14H,I15H
	OJ10G		OJ08G		2321**	74	011H
	OJ07E		OJ05E		2341***	71	I15H

014604		005005		025025	017101		
	OJ09E		OJ06E		2900	71	I9L,013L*015H, 015H
	OJ14G		OJ09G		2030	74A,74B	010H,I5L*16L* I7L*I8L*I9L
	OJ08E		OJ07E		2341***	71	I15L

014604		005005		240240	017101		
	OJ13G		OJ15G		2321**	74A	I5L,010H,011H
	OJ14G		OJ09G		2030	74A,74B	010L,15H,I6H, I7H,I8H,I9H
	OJ09E		OJ06E		2900	71	I9H,013H*015L, 013H
	OJ12G		OJ11G		2321**	74A	010H,011H
	OJ08E		OJ07E		2341***	71	I15H

014604		006000		031031	017101		
	OJ18E		OJ15E		2900	72	I10L,I11L,I7L* I5L*I14L,I10L* I12L*I9L

014604		006006		005005	017101		
	OJ09E		OJ06E		2900	71	I12L,06L*08H, 08H
	OJ14G		OJ09G		2030	74A,74B	011H,I12L*I13L* I14L
	OJ10E		OJ08E		2341***	71	I15L

014604		006006		260260	017101		
	OJ16G		OJ17G		2321**	74B	I5L,I6L,010H, 011H
	OJ09E		OJ06E		2900	71	I12H,06H*08L, 06H
	OJ14G		OJ09G		2030	74A,74B	011L,I12H,I13H, I14H,I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ15G		OJ13G		2321**		74B	010H,011H
	OJ10L		OJ08E		2341***		71	115H

014604		007007		025025		017101		
	OJ12E		OJ09E		2900		71	I9L,I10L,013L* 015H,015H
	OJ19G		OJ14G		2030		75,75A	010H,I5L*I6L* I7L*I8L*I9L
	OJ11E		OJ10E		2341***		71	I15L

014604		007007		240240		017101		
	OJ18G		OJ20G		2321**		75	I5L,I6L,010H, 011H
	OJ19G		OJ14G		2030		75,75A	010L,I5H,I6H, I7H,I8H,I9H
	OJ12E		OJ09E		2900		71	I9H,013H*015L, 013H
	OJ17G		OJ16G		2321**		75	010H,011H
	OJ11E		OJ10E		2341***		71	I15H

014604		010010		005005		017101		
	OJ12E		OJ09E		2900		71	I12L,06L*08H, 08H
	OJ19G		OJ14G		2030		75,75A	011H,I12L*I13L* I14L
	OJ13E		OJ11E		2341***		71	I15L

014604		010010		260260		017101		
	OJ21G		OJ22G		2321**		75A	I5L,I6L,010H, 011H
	OJ12E		OJ09E		2900		71	I12H,06H*08L, 06H
	OJ19G		OJ14G		2030		75,75A	011L,I12H,I13H, I14H,I15H
	OJ20G		OJ18G		2321**		75A	010H,011H
	OJ13E		OJ11E		2341***		71	I15H

014604		011011		025025		017101		
	OJ15E		OJ12E		2900		71,72	I9L,013L*015H, 015H
	OJ24G		OJ19G		2030		75B,76	010H,I5L*I6L* I7L*I8L*I9L
	OJ14E		OJ13E		2341***		71	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		011011		240240		017101		
	OJ23G		OJ25G		2321**		75B	I5L,I6L,010H, 011H
	OJ24G		OJ19G		2030		75B,76	010L,15H,16H, 17H,18H,19H
	OJ15E		OJ12E		2900		71,72	19H,013H*015L, 013H
	OJ22G		OJ21G		2321**		75B	010H,011H
	OJ14E		OJ13E		2341***		71	I15H

014604		012012		005005		017101		
	OJ15E		OJ12E		2900		71,72	I12L,06L*08H, 08H
	OJ24G		OJ19G		2030		75B,76	011H,112L*113L* 114L
	OJ16E		OJ14E		2341***		72	I15L

014604		012012		025025		017101		
	OJ15E		OJ12E		2900		71,72	I10L

014604		012012		260260		017101		
	OJ26G		OJ02G		2321**		76	I5L,I6L,010H, 011H
	OJ15E		OJ12E		2900		71,72	I12H,06H*08L, 06H
	OJ24G		OJ19G		2030		75B,76	011L,112H,113H, 114H,115H
	OJ25G		OJ23G		2321**		76	010H,011H
	OJ16E		OJ14E		2341***		72	I15H

014604		013013		025025		017101		
	OJ18E		OJ15E		2900		72	19L,013L*015H, 015H
	OJ04F		OJ09F		2030		76A,76B	010H,15L*16L* 17L*18L*19L

014604		013013		240240		017101		
	OJ03F		OJ05F		2321**		76A	I5L,I6L,010H, 011H
	OJ04F		OJ09F		2030		76A,76B	010L,15H,16H, 17H,18H,19H
	OJ18E		OJ15E		2900		72	19H,013H*015L, 013H
	OJ02F		OJ05F		2321**		76A	010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604	014014	005005	017101				
	OJ18E	OJ15E	2900	72		I12L,06L*08H, 08H	
	OJ04F	OJ09F	2030	76A,76B		011H,I12L*I13L* I14L	
	OJ19E	OJ17E	2341***	72		I15L	
014604	014014	260260	017101				
	OJ06F	OJ07F	2321**	76B		I5L,010H,011H	
	OJ18E	OJ15E	2900	72		I12H,06H*08L, 06H	
	OJ04F	OJ09F	2030	76A,76B		011L,I12H,I13H, I14H,I15H	
	OJ05F	OJ03F	2321**	76B		010H,011H	
	OJ19E	OJ17E	2341***	72		I15H	
014604	015001	025005	017101				
	OJ02G	OJ03G	2321**	73		I5H	
014604	015003	025245	017101				
	OJ07G	OJ06G	2321**	73B		010L,I5H	
014604	015005	025245	017101				
	OJ12G	OJ11G	2321**	74A		I5H	
014604	015007	025005	017101				
	OJ17G	OJ16G	2321**	75		010L	
014604	015007	025245	017101				
	OJ17G	OJ16G	2321**	75		I5H	
014604	015014	005005	017101				
	OJ05F	OJ03F	2321**	76B		I5H	
014604	015015	025025	017101				
	OJ21E	OJ18E	2900	72		I9L,I10L,013L* 015H,015H	
	OJ20E	OJ19E	2341***	72		I15L	
	OJ09F	OJ04F	2030	77,77A		010H	
014604	015015	240240	017101				
	OJ08F	OJ10F	2321**	77		I5L,I6L,010H, 011H	

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	FAULT
	OJ21E		OJ18E			2900	72	19H,013H*015L, 013H
	OJ09F		OJ04F			2030	77,77A	010L,16H,17H, 18H,19H
	OJ07F		OJ06F			2321**	77	010H,011H
	OJ20E		OJ19E			2341***	72	115H

014604		015016		005245		017101		
	OJ10F		OJ08F			2321**	77A	010L

014604		015020		005245		017101		
	OJ20F		OJ18F			2321**	78	15H

014604		016016		005005		017101		
	OJ21E		OJ18E			2900	72	112L,06L*08H, 08H
	OJ09F		OJ04F			2030	77,77A	011H,112L*113L* 114L
	OJ22E		OJ20E			2341***	72	115L

014604		016016		260260		017101		
	OJ11F		OJ17F			2321**	77A	15L,16L,010H, 011H
	OJ21E		OJ18E			2900	72	112H,06H*08L, 06H
	OJ09F		OJ04F			2030	77,77A	011L,112H,113H, 114H,115H
	OJ10F		OJ08F			2321**	77A	010H
	OJ22E		OJ20E			2341***	72	115H

014604		017017		025025		017101		
	OJ24E		OJ21E			2900	72	19L,013L*015H, 015H
	OJ19F		OJ09F			2030	77B,78	010H,15L*16L* 17L*18L*19L
	OJ23E		OJ22E			2341***	72	115L

014604		017017		240240		017101		
	OJ18F		OJ20F			2321**	77B	16L,010H,011H
	OJ19F		OJ09F			2030	77B,78	010L,15H,16H, 17H,18H,19H
	OJ24E		OJ21E			2900	72	19H,013H*015L, 013H
	OJ17F		OJ11F			2321**	77B	010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ23E		OJ22E		2341***		72	I15H
014604		020020		005005		017101		
	OJ24E		OJ21E		2900		72	I10L,I12L,06L* 08H,08H
	OJ19F		OJ09F		2030		77B,78	011H,I12L*I13L* I14L
	OJ25E		OJ23E		2341***		72	I15L
014604		020020		260260		017101		
	OJ21F		OJ22F		2321**		78	I5L,I6L,010H, 011H
	OJ24E		OJ21E		2900		72	I12H,06H*08L, 06H
	OJ19F		OJ09F		2030		77B,78	011L,I12H,I13H, I14H,I15H
	OJ20F		OJ18F		2321**		78	010H,011H
	OJ25L		OJ23E		2341***		72	I15H
014604		021021		025025		017101		
	OJ27E		OJ24E		2900		72	I9L,013L*015H, 015H
	OJ24F		OJ19F		2030		78A,78B	010H,I5L*I6L* I7L*I8L*I9L
	OJ26E		OJ25E		2341***		72	I15L
014604		021021		240240		017101		
	OJ24F		OJ19F		2030		78A,78B	010L,I5H,I6H, I7H,I8H,I9H
	OJ27E		OJ24E		2900		72	I9H,013H*015L, 013H
	OJ22F		OJ21F		2321**		78A	010H,011H
	OJ23F		OJ25F		2321**		78A	010H,011H
	OJ26E		OJ25E		2341***		72	I15H
014604		022022		005005		017101		
	OJ27E		OJ24E		2900		72	I12L,06L*08H, 08H
	OJ24F		OJ19F		2030		78A,78B	011H,I12L*I13L* I14L
	OJ28E		OJ26E		2341***		72	I15L
014604		022022		260260		017101		
	OJ26F		OJ02G		2321**		78B	I5L,010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ27E		OJ24E		2900		72	I12H, 06H*08L, 06H
	OJ24F		OJ19F		2030		78A, 78B	011L, I12H, I13H, I14H, I15H
	OJ25F		OJ23F		2321**		78B	010H, 011H
	OJ28E		OJ26E		2341***		72	I15H

014604		030000		031031		017101		
	OJ21E		OJ18E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014604		117177		031031		017101		
	OJ13F		OJ14F		2013		58	I7L, 010L*011L* 012L

014604		140000		031031		017101		
	OJ24E		OJ21E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014604		600000		031031		017101		
	OJ27E		OJ24E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014724		400000		000004		017101		
	OJ21D		OJ10D		2060		38, 61	015L, I11H, I12H
	OJ32A		OJ31A		2030		65A	I7L

014724		400000		000005		017101		
	OJ19C		OJ17C		2050		56	09L, I7H

014771	*CHECK EF/OD AND ID ACKNOWLEDGE TIMING.							

015561		000002		000002		017101		
	OJ08D		OJ04D		2020		68	I13L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	OJ06B		OJ21B		2060		66, 69, 69A	015L, I11H, I12H
	OJ07B		OJ21B		2060		66	I9L

015561		000040		000040		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-67. JUMPERED CHANNEL TEST - CHAN 10,12 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ08D		OJ04D		2020		68	I9L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	OJ06B		OJ07B		2060		66,69,69A	I12L

016023		504622		014140		013702		
	OJ10C		OJ09C		2331*		68	I9L

016023		505000		014015		013702		
	OJ12C		OJ11C		2331*		68	I9L

016061		400000		505640		017101		
	OJ12D		OJ02D		2070		57,58,65A	013L,I7H
	OJ04B		OJ03B		2020		69A	I6L

017002		777700		505640		017101		
	OJ19C		OJ17C		2050		56	I5L,I7L,09H,I5L* I6L,I7L*I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532		000001		001524	000000			
	OJ22A		OJ12A		2030		64	I7L
	OJ22B		OJ12B		2030		63	I7L
005246		000000		010000	010266			
	OJ04D		OJ03D		2020		70	I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	OJ02D		OJ12D		2070		65A,70	013L,I7H
	OJ03C		OJ02C		2331*		68	I9L*I10L*I11L
005246		000000		017102	013346			
	OJ02D		OJ12D		2070		65A,70	I6L,012H
	OJ03D		OJ04D		2020		70	I13H,I14H,I15H
005246		000000		040000	010266			
	OJ02C		OJ03C		2331*		68	I9L*I10L*I11L
005246		010000		000000	010266			
	OJ09C		OJ08C		2331*		68	I9L*I10L*I11L
005246		010000		500317	010475			
	OJ33C		OJ28C		2020		63	I5L
005246		010000		501717	010605			
	OJ33C		OJ28C		2020		63	I13L
005246		040000		000000	010266			
	OJ01E		OJ27D		2013		06	I7H,I8H,I9H
	OJ07C		OJ06C		2331*		68	I9L*I10L*I11L
010135		000000		000000	010000			
	OJ33C		OJ28C		2020		63	I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
010266		000000		000000	010000			
	OJ33C		OJ28C		2020		63	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
011453		400000		504700	307712			
	OJ33C		OJ28C		2020		63	18H,19H,110H
011671		017102		017102	000000			
	OJ13D		OJ08D		2020		68	114L
012173		000000		502617	060711			
	OJ29E		OJ25D		2070		57,58	014L,19H
013142		000400		505640	017101			
	OJ13F		OJ15F		2013		58	15H,16H,17H,18H, 19H,010H*011H* 012H,013H*014H* 015H
	OJ14F		OJ15F		2013		59A	15L,17L,010L* 011L*012L,013L* 014L*015L
	OJ35C		OJ31C		2050		63,64	010L,111L,113L, 15H,010H,111H, 111L*112L,113L* 114L*115L
	OJ22A		OJ12A		2030		64	011L,113L,114L, 112H,113H,114H, 115H
	OJ06C		OJ05C		2331*		68	110L,19H,110H, 111H
	OJ01C		OJ23C		2013		06	15L,013L*014L* 015L
	OJ10D		OJ21D		2060		58,68	15L,16L,013H, 15L*16L*17L
	OJ26A		OJ21A		2060		60,64	014L,18H,19H, 110H
	OJ12D		OJ02D		2070		57,58,65A	16L,012L
	OJ25A		OJ20A		2070		61,64	19L,014H
	OJ33A		OJ32A		2030		65A	112L,011H,112L* 113L*114L
	OJ14B		OJ27B		2013		58,70	18L
	OJ24A		OJ23A		2321**		63,64	011H
	OJ22B		OJ12B		2030		63	113L,114L
	OJ06A		OJ08A		2900		65A	19H
	OJ30E		OJ31E		2040		69A	113H,114H
	OJ17C		OJ16C		2050		56,57	15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ10B OJ34A		OJ11B OJ32A		2030 2030		66 65A	15L 112L
013233	OJ34B	000000	OJ22B	017104	2030	017101	64	114L
013237	OJ05D	000000	OJ06D	017102	2900	017101	68	111L, 112L, 06L* 08H, 17L*15L* 114L, 110L*112L* 19L, 08H
	OJ03A		OJ16A		2013		68	16L, 013L*014L* 015L
	OJ10D OJ03C		OJ21D OJ02C		2060 2331*		58,68 68	014L, 19H, 110H 110L
013316	OJ07D	000000	OJ06D	000000	2900	017101	68	19L, 111L, 013L* 015H, 17L*15L* 114L, 110L*112L* 19L, 015H
	OJ03A		OJ16A		2013		68	17L, 010L*011L* 012L
	OJ10D OJ06C		OJ21D OJ05C		2060 2331*		58,68 68	015L, 111H, 112H 111L
013342	OJ34C	000000	OJ22C	017104	2030	017101	63	114L
013346	OJ05D	000000	OJ06D	017102	2900	017101	68	19L, 013L*015H, 015H
	OJ02C		OJ03C		2331*		68	19L, 110L
013374	OJ35C	000160	OJ31C	000060	2050	000000	63,64	15L, 17L, 09H, 15L* 16L, 17L*18L
	OJ26B		OJ21B		2060		63,69A	014L, 18H, 19H, 110H
	OJ22B		OJ12B		2030		63	011L, 112H, 113H, 114H, 115H
	OJ08C OJ25D OJ24A		OJ07C OJ35A OJ23A		2331* 2070 2321**		68 62,63 63,64	19H, 110H, 111H 19L, 014H 010H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ10B		OJ11B		2030		66	I6L,I13L
	OJ33A		OJ32A		2030		65A	I5L
	OJ34A		OJ32A		2030		65A	I5L

013374		000160		110060		000000		
	OJ33A		OJ32A		2030		65A	O11L,O10H,I12H, I13H,I14H,I15H, I5L*I6L*I7L*I8L* I9L
	OJ06A		OJ08A		2900		65A	I9L,I12H
	OJ30E		OJ31E		2040		69A	I11H,I12H

013374		000167		000063		000000		
	OJ09B		OJ08B		2900		66	I9H,I14H,O13H* O15L,O13H
	OJ10B		OJ11B		2030		66	I12L,O10H,O11H, I5L*I6L*I7L*I8L* I9L,I12L*I13L* I14L
	OJ29E		OJ25D		2070		57,58	I9L,O14H
	OJ07B		OJ06B		2060		66	I11L
	OJ09A		OJ07A		2060		65A,66,69A	I8L

013374		000167		114463		000000		
	OJ16A		OJ03A		2013		58	I5H,I6H,I7H,I8H, I9H,O10H*O11H* O12H,O13H*O14H* O15H
	OJ03B		OJ02B		2020		69A	I6L,I9L,I13H, I14H,I15H,O11L* O12H,I5L*I6L* I7L,I8L*I9L* I10L,O12H
	OJ23C		OJ01C		2013		06	I5H,I6H,O13H* O14H*O15H
	OJ04D		OJ08D		2020		70	I14L,I5H,I6H, I7H,O11H*O12L, I13L*I14L*I15L, O11H
	OJ03D		OJ08D		2020		70	I6L,I8L,O11L* O12H,I5L*I6L* I7L,I8L*I9L* I10L,O12H
	OJ09D		OJ27D		2013		58	I7L,O10L*O11L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ18A		OJ10A		2060		59,69A,70	012L 014L,18H,19H, I10H
	OJ13A		OJ16C		2050		69A,70	I11L,010H,I11L* I12L,I13L*I14L* I15L
	OJ06B		OJ07B		2060		66,69,69A	I6L,013H,15L* I6L*I7L
	OJ16F		OJ12F		2070		58,60,69A	I10L,015H
	OJ20A		OJ14A		2070		56,58,60	I10L,015H
	OJ30E		OJ31E		2040		69A	015L

013374		000231		000021		000000		
	OJ19A		OJ18A		2060		60	I11L,015H,I11L* I12L
	OJ20A		OJ14A		2070		56,58,60	011L,15H

013701		400000		000100		017101		
	OJ08C		OJ07C		2331*		68	I10L

014165		000000		000000		017101		
	OJ16A		OJ03A		2013		58	I8L,010L*011L* 012L
	OJ16F		OJ12F		2070		58,60,69A	015L,I10H
	OJ09B		OJ08B		2900		66	I10L

014307		000000		162400		000000		
	OJ09C		OJ08C		2331*		68	I11L

014307		000000		162401		000000		
	OJ05D		OJ06D		2900		68	I12H,06H*08L, 06H
	OJ34C		OJ22C		2030		63	011L,I12H,I13H, I14H,I15H
	OJ21B		OJ07B		2060		38,63	013L,I6H,I7H
	OJ35A		OJ25A		2070		61,62,63,64	I7L,013H
	OJ03C		OJ02C		2331*		68	I9H,I10H
	OJ24B		OJ30A		2321**		63	011H
	OJ25B		OJ14C		2070		62,63	013H
	OJ11B		OJ10B		2030		66	I6L
	OJ33A		OJ32A		2030		65A	I6L

014307		000000		162600		000023		
	OJ03C		OJ02C		2331*		68	I9L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CF	PLATE	FAULT
014307		000000		163407		000000		
	OJ22B		OJ34B		2030		63	010L, I5H, I6H, I7H, I8H, I9H
	OJ09C		OJ08C		2331*		68	I9H, I10H, I11H
	OJ25B		OJ35A		2070		62, 63	I6L, 012H
	OJ24B		OJ30A		2321**		63	010H
	OJ12B		OJ11B		2030		66	I6L
	OJ33A		OJ32A		2030		65A	I7L
014307		160503		160503		000000		
	OJ12D		OJ02D		2070		57, 58, 65A	I9L
014307		162400		000000		000000		
	OJ07C		OJ06C		2331*		68	I11L
014307		162401		000000		000000		
	OJ05D		OJ06D		2900		68	I9H, 013H*015L, 013H
	OJ34B		OJ22B		2030		64	011L, I12H, I13H, I14H, I15H
	OJ25A		OJ20A		2070		61, 64	I7L, 013H
	OJ35A		OJ25B		2070		61, 62, 63, 64	I9L, 014H
	OJ02C		OJ03C		2331*		68	I9H, I10H
	OJ23A		OJ24A		2321**		64	011H
	OJ21A		OJ19A		2060		38, 64	013L
	OJ11B		OJ10B		2030		66	I5L
	OJ33A		OJ32A		2030		65A	I13L
014307		162401		162401		000000		
	OJ09D		OJ27D		2013		58	I7H, I8H, I9H, 010H*011H*012H
	OJ23C		OJ01C		2013		06	I5L, I7L, 010L* 011L*012L, 013L* 014L*015L
	OJ32C		OJ27C		2013		60, 69A	I7H, I8H, I9H, 010H*011H*012H
	OJ03D		OJ06D		2020		70	I14L, I15L, I5H, I6H, I7H, 011H* 012L, I13L*I14L* I15L, 011H
	OJ03A		OJ16A		2013		68	I5H, I6H, 013H* 014H*015H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOF CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	FAULT
	OJ02D		OJ12D			2070	65A,70	I7L,012L,16H, 013H
	OJ10D		OJ21D			2060	58,68	I9L,110L,014H, I8L*I9L*I10L
	OJ04D		OJ08D			2020	70	I13L,115L
	OJ11B		OJ10B			2030	66	010H,15L*16L* I7L*I8L*I9L
	OJ09B		OJ08B			2900	66	I12H
	OJ20C		OJ19C			2050	57	09L

014307		163407		000000		000000		
	OJ22A		OJ12A			2030	64	010L,15H,16H, I7H,I8H,I9H
	OJ07C		OJ06C			2331*	68	I9H,110H,111H
	OJ25A		OJ20A			2070	61,64	I6L,012H
	OJ23A		OJ24A			2321	64	010H
	OJ12B		OJ11B			2030	66	I5L
	OJ33A		OJ32A			2030	65A	I14L

014307		163407		163407		000000		
	OJ08B		OJ09B			2900	66	I9H
	OJ07B		OJ06B			2060	66	I7L

014351		000000		557756		017101		
	OJ20A		OJ14A			2070	56,58,60	I5L,I6L,011H, 012H
	OJ19A		OJ18A			2060	60	015L,111H
	OJ07B		OJ06B			2060	66	I8L

014604		000000		000023		017101		
	OJ15F		OJ14F			2013	59	I7H,010H*011H* 012H

014604		000000		020000		017101		
	OJ12F		OJ16F			2070	56,57	I5L,011H
	OJ20C		OJ19C			2050	57	I7H

014604		000000		023000		017101		
	OJ15F		OJ14F			2013	59	I5H,013H*014H* 015H

014604		000000		023023		017101		
	OJ13F		OJ14F			2013	58	I5L,013L*014L* 015L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ10D		OJ21D		2060		58,68	013L,15H,16H
014604		000001		000025	017101			
	OJ03G		OJ02G		2321**		73	011L,16H
	OJ04G		OJ09G		2030		73,73A	18L
014604		000001		025000	017101			
	OJ03G		OJ02G		2321**		73	010L,15H
	OJ04G		OJ09G		2030		73,73A	17L
014604		000002		000005	017101			
	OJ06G		OJ05G		2321**		73A	011L,16H
	OJ04G		OJ09G		2030		73,73A	115L
014604		000002		005000	017101			
	OJ06G		OJ05G		2321**		73A	010L,15H
	OJ04G		OJ09G		2030		73,73A	114L
014604		000003		000025	017101			
	OJ08G		OJ07G		2321**		73B	011L,16H
	OJ09G		OJ04G		2030		73B,74	18L
014604		000003		025000	017101			
	OJ08G		OJ07G		2321**		73B	010L,15H
	OJ09G		OJ04G		2030		73B,74	17L
014604		000003		031031	017101			
	OJ03E		OJ06E		2900		71	110L,111L,17L* 15L*114L,110L* 112L*19L
014604		000004		000005	017101			
	OJ11G		OJ10G		2321**		74	011L,16H
	OJ09G		OJ04G		2030		73B,74	112L
014604		000004		005000	017101			
	OJ11G		OJ10G		2321**		74	010L,15H
	OJ09G		OJ04G		2030		73B,74	113L
014604		000005		000025	017101			
	OJ13G		OJ12G		2321**		74A	011L,16H
	OJ14G		OJ09G		2030		74A,74B	15L
014604		000005		025000	017101			

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	OJ136		OJ126		2321**	74A	010L,15H
	OJ146		OJ096		2030	74A,74B	16L
014604		000006		000005	017101		
	OJ166		OJ156		2321**	74B	011L,16H
	OJ146		OJ096		2030	74A,74B	112L
014604		000006		005000	017101		
	OJ166		OJ156		2321**	74B	010L,15H
	OJ146		OJ096		2030	74A,74B	113L
014604		000007		000025	017101		
	OJ186		OJ176		2321**	75	011L,16H
	OJ196		OJ146		2030	75,75A	15L
014604		000007		025000	017101		
	OJ186		OJ176		2321**	75	010L,15H
	OJ196		OJ146		2030	75,75A	16L
014604		000010		000005	017101		
	OJ216		OJ206		2321**	75A	011L,16H
	OJ196		OJ146		2030	75,75A	112L
014604		000010		005000	017101		
	OJ216		OJ206		2321**	75A	010L,15H
	OJ196		OJ146		2030	75,75A	113L
014604		000011		000025	017101		
	OJ236		OJ226		2321**	75B	011L,16H
	OJ246		OJ196		2030	75B,76	15L
014604		000011		025000	017101		
	OJ236		OJ226		2321**	75B	010L,15H
	OJ246		OJ196		2030	75B,76	16L
014604		000012		000005	017101		
	OJ266		OJ256		2321**	76	011L,16H
	OJ246		OJ196		2030	75B,76	112L
014604		000012		005000	017101		
	OJ266		OJ256		2321**	76	010L,15H
	OJ246		OJ196		2030	75B,76	113L
014604		000013		000025	017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ03F OJ04F		OJ02F OJ09F		2321** 2030		76A 76A,76B	011L,16H I5L
014604		000013		025000		017101		
	OJ03F OJ04F		OJ02F OJ09F		2321** 2030		76A 76A,76B	010L,15H I6L
014604		000014		000005		017101		
	OJ06F OJ04F		OJ05F OJ09F		2321** 2030		76B 76A,76B	011L,16H I12L
014604		000014		005000		017101		
	OJ06F OJ04F		OJ05F OJ09F		2321** 2030		76B 76A,76B	010L,15H I13L
014604		000014		011011		017101		
	OJ06E		OJ03E		2900		71	I10L
014604		000014		031031		017101		
	OJ06E		OJ03E		2900		71	I11L,17L*I5L* I14L,I10L*I12L* I9L
014604		000015		000025		017101		
	OJ08F OJ09F		OJ07F OJ04F		2321** 2030		77 77,77A	011L,16H I5L
014604		000015		025000		017101		
	OJ08F OJ09F		OJ07F OJ04F		2321** 2030		77 77,77A	010L,15H I6L
014604		000016		000005		017101		
	OJ11F OJ09F		OJ10F OJ04F		2321** 2030		77A 77,77A	011L,16H I12L
014604		000016		005000		017101		
	OJ11F OJ09F		OJ10F OJ04F		2321** 2030		77A 77,77A	010L,15H I13L
014604		000017		000025		017101		
	OJ18F OJ19F		OJ17F OJ09F		2321** 2030		77B 77B,78	011L,16H I5L
014604		000017		025000		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ18F OJ19F		OJ17F OJ09F		2321** 2030		77B 77B,78	010L,15H I6L
014604	OJ21F OJ19F	000020	OJ20F OJ09F	000005	2321** 2030	017101	78 77B,78	011L,16H I12L
014604	OJ21F OJ19F	000020	OJ20F OJ09F	005000	2321** 2030	017101	78 77B,78	010L,15H I13L
014604	OJ23F OJ24F	000021	OJ22F OJ19F	000025	2321** 2030	017101	78A 78A,78B	011L,16H I5L
014604	OJ23F OJ24F	000021	OJ22F OJ19F	025000	2321** 2030	017101	78A 78A,78B	010L,15H I6L
014604	OJ26F OJ24F	000022	OJ25F OJ19F	000005	2321** 2030	017101	78B 78A,78B	011L,16H I12L
014604	OJ26F OJ24F	000022	OJ25F OJ19F	005000	2321** 2030	017101	78B 78A,78B	010L,15H I13L
014604	OJ09E	000060	OJ06E	011011	2900	017101	71	I10L
014604	OJ09E	000060	OJ06E	031031	2900	017101	71	I11L, I7L* I5L* I14L, I10L* I12L* I9L
014604	OJ12E	000300	OJ09E	031031	2900	017101	71	I11L, I7L* I5L* I14L, I10L* I12L* I9L
014604	OJ03E OJ04G	001001	OJ06E OJ09G	025025	2900 2030	017101	71 73,73A	I9L, I13L* I15H, I15H I10H, I5L* I6L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	FAULT
	OJ02E		OJ04E			2341***	71	I7L*I8L*I9L I15L
014604		001001		240240		017101		
	OJ02G		OJ05G			2321	73	I5L,I6L,010H, 011H
	OJ04G		OJ09G			2030	73,73A	010L,I5H,I6H, I7H,I8H,I9H
	OJ03E		OJ06E			2900	71	I9H,013H*015L, 013H
	OJ03G		OJ05G			2321**	73	010H,011H
	OJ02E		OJ04E			2341***	71	I15H
014604		001400		031031		017101		
	OJ15E		OJ12E			2900	71,72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014604		002002		005005		017101		
	OJ03E		OJ06E			2900	71	I12L,06L*08H, 08H
	OJ04G		OJ09G			2030	73,73A	011H,I12L*I13L* I14L
	OJ04E		OJ02E			2341***	71	I15L
014604		002002		260260		017101		
	OJ05G		OJ03G			2321**	73A	I5L,I6L,010H, 011H
	OJ03E		OJ06E			2900	71	I12H,06H*08L, 06H
	OJ04G		OJ09G			2030	73,73A	011L,I12H,I13H, I14H,I15H
	OJ06G		OJ07G			2321**	73A	010H,011H
	OJ04E		OJ02E			2341***	71	I15H
014604		003003		025025		017101		
	OJ06E		OJ03E			2900	71	I9L,013L*015H, 015H
	OJ09G		OJ04G			2030	73B,74	010H,I5L*I6L* I7L*I8L*I9L
	OJ05E		OJ04E			2341***	71	I15L
014604		003003		240240		017101		
	OJ07G		OJ06G			2321**	73B	I5L,I6L,010H,

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	OJ09G		OJ04G		2030	73B,74	011H 010L,15H,16H, 17H,18H,19H
	OJ06E		OJ03E		2900	71	19H,013H*015L, 013H
	OJ08G		OJ10G		2321**	73B	010H,011H
	OJ05E		OJ04E		2341***	71	115H

014604		004004		005005	017101		
	OJ06E		OJ03E		2900	71	I12L,06L*08H, 08H
	OJ09G		OJ04G		2030	73B,74	011H,I12L*I13L* I14L
	OJ07E		OJ05E		2341***	71	I15L

014604		004004		260260	017101		
	OJ10G		OJ08G		2321**	74	I5L,I6L,010H, 011H
	OJ06E		OJ03E		2900	71	I12H,06H*08L, 06H
	OJ09G		OJ04G		2030	73B,74	011L,I12H,I13H, I14H,I15H
	OJ11G		OJ12G		2321**	74	010H,011H
	OJ07E		OJ05E		2341***	71	I15H

014604		005005		025025	017101		
	OJ09E		OJ06E		2900	71	I9L,013L*015H, 015H
	OJ14G		OJ09G		2030	74A,74B	010H,I5L*I6L* I7L*I8L*I9L
	OJ08E		OJ07E		2341***	71	I15L

014604		005005		240240	017101		
	OJ12G		OJ11G		2321**	74A	I5L,I6L,010H, 011H
	OJ14G		OJ09G		2030	74A,74B	010L,15H,16H, 17H,18H,19H
	OJ09E		OJ06E		2900	71	19H,013H*015L, 013H
	OJ13G		OJ15G		2321**	74A	010H,011H
	OJ08E		OJ07E		2341***	71	I15H

014604		006000		031031	017101		
	OJ18E		OJ15E		2900	72	I10L,I11L,I7L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
							I5L*I14L,I10L* I12L*I9L
014604		006006		005005	017101		
	OJ09E		OJ06E		2900	71	I12L,06L*08H, 08H
	OJ14G		OJ09G		2030	74A,74B	011H,I12L*I13L* I14L
	OJ10E		OJ08E		2341***	71	I15L
014604		006006		260260	017101		
	OJ15G		OJ13G		2321**	74B	I5L,I6L,010H, 011H
	OJ09E		OJ06E		2900	71	I12H,06H*08L, 06H
	OJ14G		OJ09G		2030	74A,74B	011L,I12H,I13H, I14H,I15H
	OJ16G		OJ17G		2321**	74B	010H,011H
	OJ10E		OJ08E		2341***	71	I15H
014604		007007		025025	017101		
	OJ12E		OJ09E		2900	71	I9L,I10L,013L* 015H,015H
	OJ19G		OJ14G		2030	75,75A	010H,I5L*I6L* I7L*I8L*I9L
	OJ11E		OJ10E		2341***	71	I15L
014604		007007		240240	017101		
	OJ17G		OJ16G		2321**	75	I5L,I6L,010H, 011H
	OJ19G		OJ14G		2030	75,75A	010L,I5H,I6H, I7H,I8H,I9H
	OJ12E		OJ09E		2900	71	I9H,013H*015L, 013H
	OJ18G		OJ20G		2321**	75	010H,011H
	OJ11E		OJ10E		2341***	71	I15H
014604		010010		005005	017101		
	OJ12E		OJ09E		2900	71	I12L,06L*08H, 08H
	OJ19G		OJ14G		2030	75,75A	011H,I12L*I13L* I14L
	OJ13E		OJ11E		2341***	71	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604	010010		260260		017101		
	OJ20G		OJ18G		2321**	75A	I5L,I6L,010H, 011H
	OJ12E		OJ09E		2900	71	I12H,06H*08L, 06H
	OJ19G		OJ14G		2030	75,75A	011L,I12H,I13H, I14H,I15H
	OJ21G		OJ22G		2321**	75A	010H,011H
	OJ13E		OJ11E		2341***	71	I15H

014604	011011		025025		017101		
	OJ15E		OJ12E		2900	71,72	I9L,013L*015H, 015H
	OJ24G		OJ19G		2030	75B,76	010H,I5L*I6L* I7L*I8L*I9L
	OJ14E		OJ13E		2341***	71	I15L

014604	011011		240240		017101		
	OJ22G		OJ21G		2321**	75B	I5L,I6L,010H, 011H
	OJ24G		OJ19G		2030	75B,76	010L,I5H,I6H, I7H,I8H,I9H
	OJ15E		OJ12E		2900	71,72	I9H,013H*015L, 013H
	OJ23G		OJ25G		2321**	75B	010H,011H
	OJ14E		OJ13E		2341***	71	I15H

014604	012012		005005		017101		
	OJ15E		OJ12E		2900	71,72	I12L,06L*08H, 08H
	OJ24G		OJ19G		2030	75B,76	011H,I12L*I13L* I14L
	OJ16E		OJ14E		2341***	72	I15L

014604	012012		025025		017101		
	OJ15E		OJ12E		2900	71,72	I10L

014604	012012		260260		017101		
	OJ25G		OJ23G		2321**	76	I5L,I6L,010H, 011H
	OJ15E		OJ12E		2900	71,72	I12H,06H*08L, 06H
	OJ24G		OJ19G		2030	75B,76	011L,I12H,I13H, I14H,I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	OJ266		OJ02G			76	010H,011H
	OJ16E		OJ14E			72	I15H

014604		013013		025025	017101		
	OJ18E		OJ15E			72	I9L,013L*015H, 015H
	OJ04F		OJ09F			76A,76B	010H,15L*16L* I7L*I8L*I9L
	OJ17E		OJ16E			72	I15L

014604		013013		240240	017101		
	OJ02F		OJ05F			76A	I5L,16L,010H, 011H
	OJ04F		OJ09F			76A,76B	010L,15H,16H, 17H,18H,19H
	OJ18E		OJ15E			72	I9H,013H*015L, 013H
	OJ03F		OJ05F			76A	010H,011H
	OJ17E		OJ16E			72	I15H

014604		014014		005005	017101		
	OJ18E		OJ15E			72	I12L,06L*08H, 08H
	OJ04F		OJ09F			76A,76B	011H,I12L*I13L* I14L
	OJ19E		OJ17E			72	I15L

014604		014014		260260	017101		
	OJ05F		OJ03F			76B	I5L,16L,010H, 011H
	OJ18E		OJ15E			72	I12H,06H*08L, 06H
	OJ04F		OJ09F			76A,76B	011L,I12H,I13H, I14H,I15H
	OJ06F		OJ07F			76B	010H,011H
	OJ19E		OJ17E			72	I15H

014604		015015		025025	017101		
	OJ21E		OJ18E			72	I9L,I10L,013L* 015H,015H
	OJ09F		OJ04F			77,77A	010H,15L*16L* I7L*I8L*I9L
	OJ20E		OJ19E			72	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		015015		240240		017101		
	OJ07F		OJ06F		2321**		77	I5L,I6L,010H, 011H
	OJ09F		OJ04F		2030		77,77A	010L,15H,16H, 17H,18H,19H
	OJ21E		OJ18E		2900		72	19H,013H*015L, 013H
	OJ08F		OJ10F		2321**		77	010H,011H
	OJ20E		OJ19E		2341***		72	I15H

014604		016016		005005		017101		
	OJ21E		OJ18E		2900		72	I12L,06L*08H, 08H
	OJ09F		OJ04F		2030		77,77A	011H,I12L*I13L* I14L
	OJ22E		OJ20E		2341***		72	I15L

014604		016016		260260		017101		
	OJ10F		OJ08F		2321**		77A	I5L,I6L,010H, 011H
	OJ21E		OJ18E		2900		72	I12H,06H*08L, 06H
	OJ09F		OJ04F		2030		77,77A	011L,I12H,I13H, I14H,I15H
	OJ11F		OJ17F		2321**		77A	010H,011H
	OJ22E		OJ20E		2341***		72	I15H

014604		017017		025025		017101		
	OJ24E		OJ21E		2900		72	I9L,013L*015H, 015H
	OJ19F		OJ09F		2030		77B,78	010H,I5L*I6L* I7L*I8L*I9L
	OJ23E		OJ22E		2341***		72	I15L

014604		017017		240240		017101		
	OJ17F		OJ11F		2321**		77B	I5L,I6L,010H, 011H
	OJ19F		OJ09F		2030		77B,78	010L,15H,16H, 17H,18H,19H
	OJ24E		OJ21E		2900		72	19H,013H*015L, 013H
	OJ18F		OJ20F		2321**		77B	010H,011H
	OJ23E		OJ22E		2341***		72	I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AL	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		020020		005005		017101		
	OJ24E		OJ21E		2900		72	I10L,I12L,06L* 08H,08H
	OJ19F		OJ09F		2030		77B,78	011H,I12L*I13L* I14L
	OJ25E		OJ23E		2341***		72	I15L

014604		020020		260260		017101		
	OJ20F		OJ18F		2321**		78	I5L,16L,010H, 011H
	OJ24E		OJ21E		2900		72	I12H,06H*08L, 06H
	OJ19F		OJ09F		2030		77B,78	011L,I12H,I13H, I14H,I15H
	OJ21F		OJ22F		2321**		78	010H,011H
	OJ25E		OJ23E		2341***		72	I15H

014604		021021		025025		017101		
	OJ27E		OJ24E		2900		72	I9L,013L*015H, 015H
	OJ24F		OJ19F		2030		78A,78B	010H,I5L*I6L* I7L*I8L*I9L
	OJ26E		OJ25E		2341***		72	I15L

014604		021021		240240		017101		
	OJ22F		OJ21F		2321**		78A	I5L,16L,010H, 011H
	OJ24F		OJ19F		2030		78A,78B	010L,I5H,I6H, I7H,I8H,I9H
	OJ27E		OJ24E		2900		72	I9H,013H*015L, 013H
	OJ23F		OJ25F		2321**		78A	010H,011H
	OJ26E		OJ25E		2341***		72	I15H

014604		022022		005005		017101		
	OJ27E		OJ24E		2900		72	I12L,06L*08H, 08H
	OJ24F		OJ19F		2030		78A,78B	011H,I12L*I13L* I14L
	OJ28E		OJ26E		2341***		72	I15L

014604		022022		260260		017101		
	OJ25F		OJ23F		2321**		78B	I5L,I6L,010H, 011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ27E		OJ24E		2900		72	I12H,06H*08L, 06H
	OJ24F		OJ19F		2030		78A,78B	011L,I12H,I13H, I14H,I15H
	OJ26F		OJ02G		2321**		78B	010H,011H
	OJ28E		OJ26E		2341***		72	I15H

014604		030000		031031		017101		
	OJ21E		OJ18E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L

014604		117177		031031		017101		
	OJ13F		OJ14F		2013		58	I7L,010L*011L* 012L

014604		140000		031031		017101		
	OJ24E		OJ21E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L

014604		600000		031031		017101		
	OJ27E		OJ24E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L

014724		400000		000004		017101		
	OJ21B		OJ07B		2060		38,63	015L,I11H,I12H
	OJ34A		OJ33A		2030		65A	I7L

014724		400000		000005		017101		
	OJ19C		OJ17C		2050		56	09L,I7H

014771	*CHECK EF/OD AND ID ACKNOWLEDGE TIMING.							

015561		000002		000002		017101		
	OJ08D		OJ04D		2020		68	I13L,I8H,I9H, I10H,011H*012L, I13L*I14L*I15L, 011H
	OJ06B		OJ21B		2060		66,69,69A	015L,I11H,I12H
	OJ07B		OJ21B		2060		66	I9L

015561		000040		000040		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-68. JUMPERED CHANNEL TEST - CHAN 14,16 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	OJ08D		OJ04D		2020		68	I9L, I13H, I14H, I15H, O11L*O12H, I5L*I6L*I7L, I8L* I9L*I10L, O12H
	OJ06B		OJ07B		2060		66,69,69A	I12L
016023	OJ06C	504622	OJ05C	014140	2331*	013702	68	I9L
016023	OJ08C	505000	OJ07C	014015	2331*	013702	68	I9L
017002	OJ19C	777700	OJ17C	505640	2050	017101	56	I5L, I7L, O9H, I5L* I6L, I7L*I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-69. JUMPERED CHANNEL TEST - CHAN 11,13

MSG	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT

LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA									

LOOP	013410			000000	000000		017101		
	9J14B		9J27B		2013		58,70		15H
	9J31C		9J30C		2050		56		15L

HALT	014351			000000	557756		017101		
	9J19C		9J17C		2050		56		I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	9J08B		9J09B		2900		66		I14H
	9J21C		9J18C		2060		38,62		015L
	9J12B		9J11B		2030		66		I14L
	9J32A		9J31A		2030		65		I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-70. JUMPERED CHANNEL TEST - CHAN 15,17

MSG	LOC	P	SWAP	AU	TYPE	AL	PLATE	CE	FAULT

LOCATE MSG (LOOP, HALT, OR FAULT) THEN DATA									

LOOP	013217		000000		557752		017101		
	9J04B		9J03B		2020		69		I6L

LOOP	013410		000000		000000		017101		
	9J14B		9J27B		2013		58,70		I5H
	9J05B		9J04B		2020		69		I5L
	9J31C		9J30C		2050		56		I5L

HALT	013221		000000		557752		017101		
	9J12D		9J02D		2070		57,58,65		013L

HALT	014351		000000		557756		017101		
	9J19C		9J17C		2050		56		I11L, I13L, 010H, I11L*I12L, I13L* I14L*I15L
	9J08B		9J09B		2900		66		I14H
	9J21A		9J19A		2060		38,64		015L
	9J12B		9J11B		2030		66		I12L
	9J34A		9J33A		2030		65		I14L

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
001532		000001		001524	000000		
	9J22C		9J34C		2030	62	I7L
	9J22D		9J34D		2030	61	I7L
005246		000000		000400	010266		
	9J04D		9J03D		2020	70	I8L, I13H, I14H, I15H, 011L*012H, I5L*I6L*I7L, I8L* I9L*I10L, 012H
	9J02D		9J12D		2070	65,70	013L, I7H
	9J05C		9J04C		2331*	68	I9L*I10L*I11L
005246		000000		002000	010266		
	9J04C		9J03C		2331*	68	I9L*I10L*I11L
005246		000000		017102	013346		
	9J03D		9J04D		2020	70	I13H, I14H, I15H
005246		000015		000005	014604		
	9J06G		9J05G		2321**	73A	010L
	9J07G		9J08G		2321**	73B	I5L
	9J11F		9J10F		2321**	77A	I6H
	9J20G		9J18G		2321**	75A	I5L
	9J25D		9J12D		2070	61,64	I9H
005246		000015		000245	014604		
	9J06G		9J05G		2321**	73A	I6H
	9J07G		9J05G		2321**	73B	I6L
	9J08G		9J05G		2321**	73B	I6H
	9J10F		9J08F		2321**	77A	I6L
	9J10G		9J12G		2321**	74	I6L
	9J11F		9J17F		2321**	77A	I5H
	9J11G		9J12G		2321**	74	011L
	9J13G		9J12G		2321**	74A	I5H
	9J17G		9J16G		2321**	75	I6L
	9J20F		9J18F		2321**	78	I6L
	9J23F		9J22F		2321**	78A	011L
	9J12D		9J02D		2070	57,58,65	011L
	9J12F		9J16F		2070	56,57	I5H
	9J25D		9J29E		2070	61,64	011H
	9J05A		8J04G		2080	65	I12L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
005246	9J13C	000400	9J12C	000000	2331*	010266	68	I9L*I10L*I11L
005246	9J01E	000400	9J27D	000400	2013	010266	06	I7H,I8H,I9H
005246	9J11C	002000	9J10C	000000	2331*	010266	68	I9L*I10L*I11L
011464	9J09D	400000	9J27D	000000	2013	307712	58	013H*014H*015H
011671	9J13D	017102	9J08D	017102	2020	000000	68	I14L
012173	9J29E	000000	9J25D	502617	2070	060711	57,58,67	014L,I9H
012247	9J07A	000400	9J02A	000400	2060	607707	65	I6L,I7L,013H, I5L*I6L*I7L
012247	9J07A	002000	9J02A	002000	2060	607707	65	I8L,014H,I8L* I9L*I10L
012247	9J07A	003400	9J02A	003400	2060	607707	65	I10L
012247	9J07A	010000	9J02A	010000	2060	607707	65	I11L,015H,I11L* I12L
012247	9J07A	017400	9J02A	017400	2060	607707	65	I12L
013142	9J13F	000400	9J14F	505640	2013	017101	58	I5H,I6H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	9J15F		9J14F		2013		59	I5L,I7L,010L* 011L*012L,013L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J05B		9J28B		2020		69	014L*015L I5L,I8L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	9J35E		9J35C		2050		61,62	09L,010L,I11L, I13L,I5H,010H, I11H,I11L*I12L, I13L*I14L*I15L
	9J04B		9J03B		2020		69	I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	9J23C		9J27C		2013		06	I5H,I6H,013H* 014H*015H
	9J12D		9J25D		2070		57,58,65	I6L,012L,I6H, 012H
	9J22C		9J34C		2030		62	011L,I13L,I14L, I12H,I13H,I14H, I15H
	9J10C		9J09C		2331*		68	I10L,I9H,I10H, I11H
	9J01C		9J27C		2013		06	I5L,013L*014L* 015L
	9J10D		9J21D		2060		58,68	I5L,I6L,013H, I5L*I6L*I7L
	9J26C		9J21C		2060		57,62	014L,I8H,I9H, I10H
	9J26D		9J21D		2060		61,69	015L,I11H,I12H
	9J02D		9J25D		2070		65,70	I6L,012H
	9J25C		9J14C		2070		62,63	I9L,014H
	9J31A		9J22A		2030		65	I12L,011H,I12L* I13L*I14L
	9J14B		9J27B		2013		58,70	I8L
	9J24D		9J23D		2321**		61,62	011H
	9J22D		9J34D		2030		61	I13L,I14L
	9J08A		9J06A		2900		65	I9H
	9J30E		9J31E		2040		69	I9H,I10H
	9J12C		9J11C		2331*		68	I10L
	9J17C		9J16C		2050		56,57	I5H
	9J10B		9J11B		2030		66	I7L
	9J32A		9J33A		2030		65	I12L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
013233	9J34D	000G00	9J22D	017104	2030	017101	62	I14L
013237	9J06D	000G00	9J05D	017102	2900	017101	68	I11L,I12L,06L* 08H,I7L*I5L* I14L,I10L*I12L* I9L,08H
	9J03A		9J16A		2013		68	I6L,013L*014L* 015L
	9J10D		9J21D		2060		58,68	014L,I9H,I10H
	9J27D		9J09D		2013		59,60	I8L
	9J05C		9J04C		2331*		68	I10L
013316	9J11D	000000	9J07D	000000	2900	017101	68	I9L,I11L,013L* 015H,I7L*I5L* I14L,I10L*I12L* I9L,015H
	9J03A		9J16A		2013		68	I7L,010L*011L* 012L
	9J10D		9J21D		2060		58,68	015L,I11H,I12H
	9J01E		9J27D		2013		06	010H*011H*012H
	9J10C		9J09C		2331*		68	I11L
013342	9J34E	000000	9J34D	017104	2030	017101	61	I14L
013346	9J06D	000000	9J05D	017102	2900	017101	68	I9L,013L*015H, 015H
	9J04C		9J03C		2331*		68	I9L,I10L
013374	9J35E	000160	9J35C	000060	2050	000000	61,62	I5L,I7L,09H,I5L* I6L,I7L*I8L
	9J26D		9J21D		2060		61,69	014L,I8H,I9H, I10H
	9J22D		9J34D		2030		61	011L,I12H,I13H, I14H,I15H
	9J12C		9J11C		2331*		68	I9H,I10H,I11H
	9J25D		9J12D		2070		61,64	I9L,014H
	9J24D		9J23D		2321**		61,62	010H
	9J10B		9J11B		2030		66	I8L,I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J31A		9J22A		2030		65	I5L
	9J32A		9J33A		2030		65	I5L

013374		000160		110060		000000		
	9J31A		9J22A		2030		65	011L,010H,I12H, I13H,I14H,I15H, I5L*I6L*I7L*I8L* I9L I12H I7H,I8H
	9J08A		9J06A		2900		65	
	9J30E		9J31E		2040		69	

013374		000167		000063		000000		
	9J09B		9J08B		2900		66	I9H,I14H,013H* 015L,013H
	9J10B		9J11B		2030		66	I14L,010H,011H, I5L*I6L*I7L*I8L* I9L,I12L*I13L* I14L I9L,014H
	9J29E		9J25D		2070		57,58,67	
	9J07B		9J06B		2060		66	I11L
	9J09A		9J07A		2060		65,66,69	IcL

013374		000167		114463		000000		
	9J16A		9J03A		2013		58	I5H,I6H,I7H,I8H, I9H,013H*014H* 015H
	9J33A		9J32A		2030		65	010L,011L,I5H, I6H,I7H,I8H,I9H, I12H,I13H,I14H, I15H
	9J03B		9J02B		2020		69	I6L,I9L,I13H, I14H,I15H,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H
	9J04D		9J08D		2020		70	I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
	9J03D		9J08D		2020		70	I6L,I8L,011L* 012H,I5L*I6L* I7L,I8L*I9L* I10L,012H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J05B		9J04B		2020		69	15H,16H,17H, 011H*012L,I13L* I14L*I15L,011H
	9J09D		9J27D		2013		58	17L,010L*011L* 012L
	9J18A		9J10A		2060		59,69,70	014L,18H,19H, I10H
	9J13A		9J16C		2050		69,70	I11L,010H,I11L* I12L,I13L*I14L* I15L
	9J26D		9J21D		2060		61,69	I11L,015H,I11L* I12L
	9J12D		9J02D		2070		57,58,65	014L,19H
	9J16F		9J12F		2070		58,60,69	I10L,015H
	9J20A		9J14A		2070		56,58,60	I10L,015H
	9J06A		9J08A		2900		65	19L,I12L
	9J06B		9J07B		2060		66,69	I6L
	9J30E		9J31E		2040		69	015L

013374		000231		000021		000000		
	9J19A		9J18A		2060		60	I11L,015H,I11L* I12L
	9J20A		9J14A		2070		56,58,60	011L,I5H

014165		000000		000000		017101		
	9J16A		9J03A		2013		58	I8L,010L*011L* 012L
	9J16F		9J12F		2070		58,60,69	015L,I10H
	9J09B		9J08B		2900		66	I10L

014307		000000		162400		000000		
	9J13C		9J12C		2331*		68	I11L

014307		000000		162401		000000		
	9J06D		9J05D		2900		68	I12H,06H*Q8L, 06H
	9J34E		9J34D		2030		61	011L,I12H,I13H, I14H,I15H
	9J21D		9J10D		2060		38,61	013L,16H,I7H
	9J25D		9J12D		2070		61,64	I7L,013H
	9J35A		9J25A		2070		61,62,63,64	I5L,011H
	9J05C		9J04C		2331*		68	I9H,I10H
	9J23D		9J24D		2321**		61	011H
	9J11B		9J10B		2030		66	I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J31A		9J22A		2030		65	I6L
014307	9J05C	000000	9J04C	162600	2331*	000033	68	19L
014307	9J22D	000000	9J34D	163407	2030	000000	61	010L,15H,16H, 17H,18H,19H
	9J13C		9J12C		2331*		68	19H,110H,111H
	9J25D		9J12D		2070		61,64	I6L,012H
	9J23D		9J24D		2321**		61	010H
	9J12E		9J11B		2030		66	I8L
	9J31A		9J22A		2030		65	I7L
014307	9J12D	160503	9J02D	160503	2070	000000	57,58,65	19L,014H.
014307	9J11C	162400	9J10C	000000	2331*	000000	68	I11L
014307	9J06D	162401	9J05D	000000	2900	000000	68	19H,013H*015L, 013H
	9J34D		9J22D		2030		62	011L,112H,113H, 114H,115H
	9J25C		9J14C		2070		62,63	I7L,013H
	9J35A		9J25A		2070		61,62,63,64	I6L,012H
	9J04C		9J03C		2331*		68	19H,110H
	9J24C		9J24E		2321**		62	011H
	9J21C		9J18C		2060		38,62	013L
	9J11B		9J10B		2030		66	I7L
	9J31A		9J22A		2030		65	I13L
014307	9J09D	162401	9J27D	162401	2013	000000	58	17H,18H,19H, 010H*011H*012H
	9J23C		9J01C		2013		06	I5L,17L,010L* 011L*012L,013L* 014L*015L
	9J32C		9J27C		2013		60,69	17H,18H,19H, 010H*011H*012H
	9J03D		9J08D		2020		70	I14L,115L,15H, 16H,17H,011H*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J03A		9J16A		2013		68	012L,I13L*I14L* I15L,011H 15H,I6H,013H* 014H*015H
	9J02D		9J12D		2070		65,70	17L,012L,I6H, 013H
	9J10D		9J21D		2060		58,68	19L,I10L,014H, 18L*I9L*I10L
	9J04D		9J08D		2020		70	I13L,I15L
	9J11B		9J10B		2030		66	010H,I5L*I6L* 17L*I8L*I9L
	9J09B		9J08B		2900		66	I12H
	9J20C		9J19C		2050		57	09L

014307		163407		000000		000000		
	9J22C		9J34C		2030		62	010L,I5H,I6H, 17H,I8H,I9H
	9J11C		9J10C		2331*		68	19H,I10H,I11H
	9J25C		9J14C		2070		62,63	I6L,012H
	9J24C		9J24B		2321**		62	010H
	9J12B		9J11B		2030		66	I7L
	9J31A		9J22A		2030		65	I14L

014307		163407		163407		000000		
	9J16A		9J03A		2013		58	010H*011H*012H
	9J08B		9J09B		2900		66	I9H
	9J07B		9J06B		2060		66	I7L

014351		000000		557756		017101		
	9J20A		9J14A		2070		56,58,60	I5L,I6L,011H, 012H
	9J19A		9J18A		2060		60	015L,I11H
	9J07B		9J06B		2060		66	I6L

014604		000000		000023		017101		
	9J14F		9J13F		2013		59	I7H,I8H,I9H, 010H*011H*012H

014604		000000		023000		017101		
	9J14F		9J13F		2013		59	I5H,I6H,013H* 014H*015H

014604		000000		023023		017101		
	9J13F		9J14F		2013		58	I5L,013L*014L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J10D		9J21D		2060		58,68	015L 013L,15H,16H
014604		000001		000025		017101		
	9J02G		9J03G		2321**		73	011L,16H
	9J04G		9J09G		2030		73,73A	16L
014604		000001		025000		017101		
	9J02G		9J03G		2321**		73	010L
	9J04G		9J09G		2030		73,73A	15L
014604		000002		000005		017101		
	9J05G		9J03G		2321**		73A	011L,16H
	9J04G		9J09G		2030		73,73A	I13L
014604		000002		005000		017101		
	9J05G		9J03G		2321**		73A	010L,15H
	9J04G		9J09G		2030		73,73A	I12L
014604		000003		000025		017101		
	9J07G		9J06G		2321**		73B	011L
	9J09G		9J04G		2030		73B,74	I6L
014604		000003		025000		017101		
	9J09G		9J04G		2030		73B,74	15L
014604		000003		031031		017101		
	9J03E		9J06E		2900		71	I10L, I11L, I17L* I15L* I14L, I10L* I12L* I19L
014604		000004		000005		017101		
	9J10G		9J08G		2321**		74	011L,16H
	9J09G		9J04G		2030		73B,74	I14L
014604		000004		005000		017101		
	9J10G		9J08G		2321**		74	010L,15H
	9J09G		9J04G		2030		73B,74	I15L
014604		000005		000025		017101		
	9J12G		9J11G		2321**		74A	16H
	9J14G		9J09G		2030		74A,74B	I7L
014604		000005		025000		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J12G		9J11G		2321**	74A	010L
	9J14G		9J09G		2030	74A,74B	18L
014604		000006		000005	017101		
	9J15G		9J13G		2321**	74B	011L,16H
	9J14G		9J09G		2030	74A,74B	114L
014604		000006		005000	017101		
	9J15G		9J13G		2321**	74B	010L,15H
	9J14G		9J09G		2030	74A,74B	115L
014604		000007		000025	017101		
	9J19G		9J14G		2030	75,75A	17L
014604		000007		025000	017101		
	9J19G		9J14G		2030	75,75A	18L
014604		000010		000005	017101		
	9J20G		9J18G		2321**	75A	011L,16H
	9J19G		9J14G		2030	75,75A	114L
014604		000010		005000	017101		
	9J20G		9J18G		2321**	75A	010L,15H
	9J19G		9J14G		2030	75,75A	115L
014604		000011		000025	017101		
	9J22G		9J21G		2321**	75B	011L,16H
	9J24G		9J19G		2030	75B,76	17L
014604		000011		025000	017101		
	9J22G		9J21G		2321**	75B	010L,15H
	9J24G		9J19G		2030	75B,76	18L
014604		000012		000005	017101		
	9J25G		9J23G		2321**	76	011L,16H
	9J24G		9J19G		2030	75B,76	114L
014604		000012		005000	017101		
	9J25G		9J23G		2321**	76	010L,15H
	9J24G		9J19G		2030	75B,76	115L
014604		000013		000025	017101		
	9J02F		9J03F		2321**	76A	16H
	9J04F		9J09F		2030	76A,76B	17L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		000013		025000	017101		
	9J02F		9J03F		2321**	76A	010L,15H
	9J04F		9J09F		2030	76A,76B	18L
014604		000014		000005	017101		
	9J05F		9J03F		2321**	76B	011L,16H
	9J04F		9J09F		2030	76A,76B	114L
014604		000014		005000	017101		
	9J05F		9J03F		2321**	76B	010L
	9J04F		9J09F		2030	76A,76B	115L
014604		000014		011011	017101		
	9J06E		9J03E		2900	71	110L
014604		000014		031031	017101		
	9J06E		9J03E		2900	71	111L,17L*15L*
							114L,110L*112L*
							19L
014604		000015		000005	017101		
	9J13G		9J12G		2321**	74A	010L
014604		000015		000025	017101		
	9J07F		9J06F		2321**	77	011L,16H
	9J09F		9J04F		2030	77,77A	17L
014604		000015		000245	017101		
	9J11G		9J10G		2321**	74	010L
	9J17G		9J16G		2321**	75	15L
	9J18G		9J20G		2321**	75	15H
	9J23F		9J22F		2321**	78A	15H
	9J26F		9J25F		2321**	78B	15H
014604		000015		000271	017101		
	9J17G		9J16G		2321**	75	011L,16H
	9J02F		9J03F		2321**	76A	011L
	9J07G		9J06G		2321**	73B	16H
	9J12G		9J11G		2321**	74A	011L
014604		000015		025000	017101		
	9J07F		9J06F		2321**	77	010L,15H
	9J09F		9J04F		2030	77,77A	18L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		000015		240445	017101		
	9J23F		9J22F		2321**	78A	I5L,I6L
	9J03G		9J02G		2321**	73	I6L
	9J07G		9J06G		2321**	73B	011H
	9J08G		9J10G		2321**	73B	I6L
	9J13G		9J12G		2321**	74A	I6L
	9J18F		9J17F		2321**	77B	I5L
014604		000015		260265	017101		
	9J06F		9J05F		2321**	76B	I6L
	9J10F		9J08F		2321**	77A	011H
	9J26F		9J25F		2321**	76B	I6L
014604		000015		260465	017101		
	9J10G		9J08G		2321**	74	010H
	9J11G		9J12G		2321**	74	I5L
014604		000016		000005	017101		
	9J10F		9J08F		2321**	77A	011L,I6H
	9J09F		9J04F		2030	77,77A	I14L
014604		000016		005000	017101		
	9J10F		9J08F		2321**	77A	I5H
	9J09F		9J04F		2030	77,77A	I15L
014604		000017		000025	017101		
	9J17F		9J11F		2321**	77B	011L,I6H
	9J19F		9J09F		2030	77B,78	I7L
014604		000017		025000	017101		
	9J17F		9J11F		2321**	77B	010L,I5H
	9J19F		9J09F		2030	77B,78	I6L
014604		000020		000005	017101		
	9J20F		9J18F		2321**	78	011L,I6H
	9J19F		9J09F		2030	77B,78	I14L
014604		000020		005000	017101		
	9J20F		9J18F		2321**	78	010L
	9J19F		9J09F		2030	77B,78	I15L
014604		000021		000025	017101		
	9J22F		9J21F		2321**	78A	011L,I6H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J24F		9J19F		2030		78A,78B	17L
014604		000021		025000		017101		
	9J22F		9J21F		2321**		78A	010L,15H
	9J24F		9J19F		2030		78A,78B	18L
014604		000022		000005		017101		
	9J25F		9J23F		2321**		78B	011L,16H
	9J24F		9J19F		2030		78A,78B	114L
014604		000022		005000		017101		
	9J25F		9J23F		2321**		78B	010L,15H
	9J24F		9J19F		2030		78A,78B	115L
014604		000060		011011		017101		
	9J09E		9J06E		2900		71	110L
014604		000060		031031		017101		
	9J09E		9J06E		2900		71	111L,17L*15L* 114L,110L*112L* 19L
014604		000300		031031		017101		
	9J12E		9J09E		2900		71	111L,17L*15L* 114L,110L*112L* 19L
014604		001001		025025		017101		
	9J03E		9J06E		2900		71	19L,013L*015H, 015H
	9J04G		9J09G		2030		73,73A	010H,15L*16L* 17L*18L*19L
	9J02E		9J04E		2341***		71	115L
014604		001001		240240		017101		
	9J03G		9J05G		2321**		73	15L,010H,011H
	9J04G		9J09G		2030		73,73A	010L,15H,16H, 17H,18H,19H
	9J03E		9J06E		2900		71	19H,013H*015L, 013H
	9J02G		9J05G		2321**		73	010H,011H
	9J02E		9J04E		2341***		71	115H
014604		001400		031031		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J15E		9J12E		2900		71,72	I11L,I7L*I5L* I14L,I10L*I12L* I9L

014604		002002		005005		017101		
	9J03E		9J06E		2900		71	I12L,06L*08H, 08H
	9J04G		9J09G		2030		73,73A	011H,I12L*I13L* I14L
	9J04E		9J02E		2341***		71	I15L

014604		002002		260260		017101		
	9J06G		9J07G		2321**		73A	I5L,I6L,010H, 011H
	9J03E		9J06E		2900		71	I12H,06H*08L, 06H
	9J04G		9J09G		2030		73,73A	011L,I12H,I13H, I14H,I15H
	9J05G		9J03G		2321**		73A	010H,011H
	9J04E		9J02E		2341***		71	I15H

014604		003003		025025		017101		
	9J06E		9J03E		2900		71	I9L,013L*015H, 015H
	9J09G		9J04G		2030		73B,74	010H,I5L*I6L* I7L*I8L*I9L
	9J05E		9J04E		2341***		71	I15L

014604		003003		240240		017101		
	9J08G		9J10G		2321**		73B	I5L,010H,011H
	9J09G		9J04G		2030		73B,74	010L,I5H,I6H, I7H,I8H,I9H
	9J06E		9J03E		2900		71	I9H,013H*015L, 013H
	9J07G		9J06G		2321**		73B	010H
	9J05E		9J04E		2341***		71	I15H

014604		004004		005005		017101		
	9J06E		9J03E		2900		71	I12L,06L*08H, 08H
	9J09G		9J04G		2030		73B,74	011H,I12L*I13L* I14L
	9J07E		9J05E		2341***		71	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		004004		260260	017101		
	9J11G		9J12G		2321**	74	I6L,010H,011H
	9J06E		9J07E		2900	71	I12H,06H*08L, 06H
	9J09G		9J04G		2030	73B,74	011L,I12H,I13H, I14H,I15H
	9J10G		9J08G		2321**	74	011H
	9J07E		9J05E		2341***	71	I15H

014604		005005		025025	017101		
	9J09E		9J06E		2900	71	I9L,013L*015H, 015H
	9J14G		9J09G		2030	74A,74B	010H,I5L*I6L* I7L*I6L*I9L
	9J08E		9J07E		2341***	71	I15L

014604		005005		240240	017101		
	9J13G		9J15G		2321**	74A	I5L,010H,011H
	9J14G		9J09G		2030	74A,74B	010L,I5H,I6H, I7H,I8H,I9H
	9J09E		9J06E		2900	71	I9H,013H*015L, 013H
	9J12G		9J11G		2321**	74A	010H,011H
	9J08E		9J07E		2341***	71	I15H

014604		006000		031031	017101		
	9J18E		9J15E		2900	72	I10L,I11L,I7L* I5L*I14L,I10L* I12L*I9L

014604		006006		005005	017101		
	9J09E		9J06E		2900	71	I12L,06L*08H, 08H
	9J14G		9J09G		2030	74A,74B	011H,I12L*I13L* I14L
	9J10E		9J08E		2341***	71	I15L

014604		006006		260260	017101		
	9J16G		9J17G		2321**	74B	I5L,I6L,010H, 011H
	9J09E		9J06E		2900	71	I12H,06H*08L, 06H
	9J14G		9J09G		2030	74A,74B	011L,I12H,I13H, I14H,I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J15G		9J13G		2321**	74B	010H,011H
	9J10E		9J08E		2341***	71	115H
014604	007007		025025		017101		
	9J12E		9J09E		2900	71	I9L,I10L,013L* 015H,015H
	9J19G		9J14G		2030	75,75A	010H,I5L*I6L* I7L*I8L*I9L
	9J11E		9J10E		2341***	71	I15L
014604	007007		240240		017101		
	9J18G		9J20G		2321**	75	I5L,I6L,010H, 011H
	9J19G		9J14G		2030	75,75A	010L,I5H,I6H, I7H,I8H,I9H
	9J12E		9J09E		2900	71	I9H,013H*015L, 013H
	9J17G		9J16G		2321**	75	010H,011H
	9J11E		9J10E		2341***	71	I15H
014604	010010		005005		017101		
	9J12E		9J09E		2900	71	I12L,06L*08H, 08H
	9J19G		9J14G		2030	75,75A	011H,I12L*I13L* I14L
	9J13E		9J11E		2341***	71	I15L
014604	010010		260260		017101		
	9J21G		9J22G		2321**	75A	I5L,I6L,010H, 011H
	9J12E		9J09E		2900	71	I12H,06H*08L, 06H
	9J19G		9J14G		2030	75,75A	011L,I12H,I13H, I14H,I15H
	9J20G		9J18G		2321**	75A	010H,011H
	9J13E		9J11E		2341***	71	I15H
014604	011011		025025		017101		
	9J15E		9J12E		2900	71,72	I9L,013L*015H, 015H
	9J24G		9J19G		2030	75B,76	010H,I5L*I6L* I7L*I8L*I9L
	9J14E		9J13E		2341***	71	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
014604		011011		240240	017101		
	9J23G		9J25G		2321**	75B	I5L,I6L,010H, 011H
	9J24G		9J19G		2030	75B,76	010L,I5H,I6H, I7H,I8H,I9H
	9J15E		9J12E		2900	71,72	I9H,013H*015L, 013H
	9J22G		9J21G		2321**	75B	010H,C11H
	9J14E		9J13E		2341***	71	I15H

014604		012012		005005	017101		
	9J15E		9J12E		2900	71,72	I12L,06L*08H, 08H
	9J24G		9J19G		2030	75B,76	011H,I12L*I13L* I14L
	9J16E		9J14E		2341***	72	I15L

014604		012012		025025	017101		
	9J15E		9J12E		2900	71,72	I10L

014604		012012		260260	017101		
	9J26G		9J23G		2321**	76	I5L,I6L,010H, 011H
	9J15E		9J12E		2900	71,72	I12H,06H*08L, 06H
	9J24G		9J19G		2030	75B,76	011L,I12H,I13H, I14H,I15H
	9J25G		9J23G		2321**	76	010H,011H
	9J16E		9J14E		2341***	72	I15H

014604		013013		025025	017101		
	9J18E		9J15E		2900	72	I9L,013L*015H, 015H
	9J04F		9J09F		2030	76A,76B	010H,I5L*I6L* I7L*I8L*I9L

014604		013013		240240	017101		
	9J03F		9J05F		2321**	76A	I5L,I6L,010H, 011H
	9J04F		9J09F		2030	76A,76B	010L,I5H,I6H, I7H,I8H,I9H
	9J18E		9J15E		2900	72	I9H,013H*015L, 013H
	9J02F		9J05F		2321**	76A	010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	9J18E	014014	9J15E	005005	2900	017101	72	I12L,06L*08H, 08H
	9J04F		9J09F		2030		76A,76B	011H,I12L*I13L* I14L
	9J19E		9J17E		2341***		72	I15L
014604	9J06F	014014	9J07F	260260	2321**	017101	76B	I5L,010H,011H
	9J18E		9J15E		2900		72	I12H,06H*08L, 06H
	9J04F		9J09F		2030		76A,76B	011L,I12H,I13H, I14H,I15H
	9J05F		9J03F		2321**		76B	010H,011H
	9J19E		9J17E		2341***		72	I15H
014604	9J02G	015001	9J03G	025005	2321**	017101	73	I5H
014604	9J07G	015003	9J06G	025245	2321**	017101	73B	010L,I5H
014604	9J12G	015005	9J11G	025245	2321**	017101	74A	I5H
014604	9J17G	015007	9J16G	025005	2321**	017101	75	010L
014604	9J17G	015007	9J16G	025245	2321**	017101	75	I5H
014604	9J05F	015014	9J03F	005005	2321**	017101	76B	I5H
014604	9J21E	015015	9J18E	025025	2900	017101	72	I9L,I10L,013L* 015H,015H
	9J20E		9J19E		2341***		72	I15L
	9J09F		9J04F		2030		77,77A	010H
014604	9J08F	015015	9J10F	240240	2321**	017101	77	I5L,I6L,010H, 011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J21E		9J18E		2900		72	19H,013H*015L, 013H
	9J09F		9J04F		2030		77,77A	010L,16H,17H, 18H,19H
	9J07F		9J06F		2321**		77	010H,011H
	9J20E		9J19E		2341***		72	115H

014604		015016		005245		017101		
	9J10F		9J08F		2321**		77A	010L

014604		015020		005245		017101		
	9J20F		9J18F		2321**		78	15H

014604		016016		005005		017101		
	9J21E		9J18E		2900		72	112L,06L*08H, 08H
	9J09F		9J04F		2030		77,77A	011H,112L*113L* 114L
	9J22E		9J20E		2341***		72	115L

014604		016016		260260		017101		
	9J11F		9J17F		2321**		77A	15L,16L,010H, 011H
	9J21E		9J18E		2900		72	112H,06H*08L, 06H
	9J09F		9J04F		2030		77,77A	011L,112H,113H, 114H,115H
	9J10F		9J08F		2321**		77A	010H
	9J22E		9J20E		2341***		72	115H

014604		017017		025025		017101		
	9J24E		9J21E		2900		72	19L,013L*015H, 015H
	9J19F		9J09F		2030		77B,78	010H,15L*16L* 17L*18L*19L
	9J23E		9J22E		2341***		72	115L

014604		017017		240240		017101		
	9J18F		9J20F		2321**		77B	16L,010H,011H
	9J19F		9J09F		2030		77B,78	010L,15H,16H, 17H,18H,19H
	9J24E		9J21E		2900		72	19H,013H*015L, 013H
	9J17F		9J11F		2321**		77B	010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J23E		9J22E		2341***	72	I15H
014604	9J24E	020020	9J21E	005005	2900	72	I10L,I12L,06L* 08H,08H
	9J19F		9J09F		2030	77B,78	011H,I12L*I13L* I14L
	9J25E		9J23E		2341***	72	I15L
014604	9J21F	020020	9J22F	260260	2321**	78	I5L,I6L,010H, 011H
	9J24E		9J21E		2900	72	I12H,06H*08L, 06H
	9J19F		9J09F		2030	77B,78	011L,I12H,I13H, I14H,I15H
	9J20F		9J18F		2321**	78	010H,011H
	9J25E		9J23E		2341***	72	I15H
014604	9J27E	021021	9J24E	025025	2900	72	I9L,013L*015H, 015H
	9J24F		9J19F		2030	78A,78B	010H,I5L*I6L* I7L*I8L*I9L
	9J26E		9J25E		2341***	72	I15L
014604	9J24F	021021	9J19F	240240	2030	78A,78B	010L,I5H,I6H, I7H,I8H,I9H
	9J27E		9J24E		2900	72	I9H,013H*015L, 013H
	9J22F		9J21F		2321**	78A	010H,011H
	9J23F		9J25F		2321**	78A	010H,011H
	9J26E		9J25E		2341***	72	I15H
014604	9J27E	022022	9J24E	005005	2900	72	I12L,06L*08H, 08H
	9J24F		9J19F		2030	78A,78B	011H,I12L*I13L* I14L
	9J28E		9J26E		2341***	72	I15L
014604	9J26F	022022	9J02G	260260	2321**	78B	I5L,010H,011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J27E		9J24E		2900		72	I12H,06H*08L, 06H
	9J24F		9J19F		2030		78A,78B	011L,I12H,I13H, I14H,I15H
	9J25F		9J23F		2321**		78B	010H,011H
	9J28E		9J26E		2341***		72	I15H
014604		030000		031031		017101		
	9J21E		9J18E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014604		117177		031031		017101		
	9J13F		9J14F		2013		58	I7L,010L*011L* 012L
014604		140000		031031		017101		
	9J24E		9J21E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014604		600000		031031		017101		
	9J27E		9J24E		2900		72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014724		400000		000004		017101		
	9J21D		9J10D		2060		38,61	015L,I11H,I12H
	9J32A		9J31A		2030		65	I7L
014724		400000		000005		017101		
	9J19C		9J17C		2050		56	09L,I7H
014771	*CHECK EF/OD AND ID ACKNOWLEDGE TIMING.							
015561		000002		000002		017101		
	9J08D		9J04D		2020		68	I13L,I8H,I9H, I10H,C11H*012L, I13L*I14L*I15L, 011H
	9J06B		9J21B		2060		66,69	015L,I11H,I12H
	9J07B		9J21B		2060		66	I9L
015561		000040		000040		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-71. JUMPERED CHANNEL TEST - CHAN 11,13 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J08D		9J04D		2020		68	I9L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	9J06B		9J07B		2060		66,69	I12L

016023		504622		014140		013702		
	9J10C		9J09C		2331*		68	I9L

016023		505000		014015		013702		
	9J12C		9J11C		2331*		68	I9L

016061		400000		505640		017101		
	9J12D		9J02D		2070		57,58,65	013L,I7H
	9J04B		9J03B		2020		69	I6L

017002		777700		505640		017101		
	9J19C		9J17C		2050		56	I5L,I7L,09H,I5L* I6L,I7L*I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
001532		000001		001524		000000		
	9J22A		9J12A		2030		64	I7L
	9J22B		9J12B		2030		63	I7L
005246		000000		010000		010266		
	9J04D		9J03D		2020		70	I8L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	9J02D		9J12D		2070		65,70	013L,I7H
	9J03C		9J02C		2331*		68	I9L*I10L*I11L
005246		000000		017102		013346		
	9J02D		9J12D		2070		65,70	I6L,012H
	9J03D		9J04D		2020		70	I13H,I14H,I15H
005246		000000		040000		010266		
	9J02C		9J03C		2331*		68	I9L*I10L*I11L
005246		010000		000000		010266		
	9J09C		9J08C		2331*		68	I9L*I10L*I11L
005246		010000		500317		010475		
	9J33C		9J28C		2020		63	I5L
005246		010000		501717		010605		
	9J33C		9J28C		2020		63	I13L
005246		040000		000000		010266		
	9J01E		9J27D		2013		06	I7H,I8H,I9H
	9J07C		9J06C		2331*		68	I9L*I10L*I11L
010135		000000		000000		010000		
	9J33C		9J28C		2020		63	I14L,I5H,I6H, I7H,011H*012L, I13L*I14L*I15L, 011H
010266		000000		000000		010000		
	9J33C		9J28C		2020		63	I7L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
011453	9J33C	400000	9J28C	504700	2020	307712	63	I8H,I9H,I10H
011671	9J13D	017102	9J08D	017102	2020	000000	68	I14L
012173	9J29E	000000	9J25D	502617	2070	060711	57,58,67	014L,I9H
013142	9J13F	000400	9J15F	505640	2013	017101	58	I5H,I6H,I7H,I8H, I9H,010H*011H* 012H,013H*014H* 015H
	9J14F		9J15F		2013		59	I5L,I7L,010L* 011L*012L,013L* 014L*015L
	9J35C		9J31C		2050		63,64	010L,I11L,I13L, I5H,010H,I11H, I11L*I12L,I13L* I14L*I15L
	9J22A		9J12A		2030		64	011L,I13L,I14L, I12H,I13H,I14H, I15H
	9J06C		9J05C		2331*		68	I10L,I9H,I10H, I11H
	9J01C		9J23C		2013		06	I5L,013L*014L* 015L
	9J10D		9J21D		2060		58,68	I5L,I6L,013H, I5L*I6L*I7L
	9J26A		9J21A		2060		60,64	014L,I8H,I9H, I10H
	9J12D		9J02D		2070		57,58,65	I6L,012L
	9J25A		9J20A		2070		61,64	I9L,014H
	9J33A		9J32A		2030		65	I12L,011H,I12L* I13L*I14L
	9J14B		9J27B		2013		58,70	I8L
	9J24A		9J23A		2321**		63,64	011H
	9J22B		9J12B		2030		63	I13L,I14L
	9J06A		9J08A		2900		65	I9H
	9J30E		9J31E		2040		69	I13H,I14H
	9J17C		9J16C		2050		56,57	I5H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J10B		9J11B		2030		66	I5L
	9J34A		9J32A		2030		65	I12L
013233		000000		017104		017101		
	9J34B		9J22B		2030		64	I14L
013237		000000		017102		017101		
	9J05D		9J06D		2900		68	I11L, I12L, 06L* 08H, I7L*I5L* I14L, I10L*I12L* I9L, 08H
	9J03A		9J16A		2013		68	I6L, 013L*014L* 015L
	9J10D		9J21D		206D		58,68	014L, I9H, I10H
	9J03C		9J02C		2331*		68	I10L
013316		000000		000000		017101		
	9J07D		9J06D		2900		68	I9L, I11L, 013L* 015H, I7L*I5L* I14L, I10L*I12L* I9L, 015H
	9J03A		9J16A		2013		68	I7L, 010L*011L* 012L
	9J10D		9J21D		206D		58,68	015L, I11H, I12H
	9J06C		9J05C		2331*		68	I11L
013342		000000		017104		017101		
	9J34C		9J22C		2030		63	I14L
013346		000000		017102		017101		
	9J05D		9J06D		2900		68	I9L, 013L*015H, 015H
	9J02C		9J03C		2331*		68	I9L, I10L
013374		000160		000060		000000		
	9J35C		9J31C		2050		63,64	I5L, I7L, 09H, I5L* I6L, I7L*I8L
	9J26B		9J21B		2060		63,69	014L, I8H, I9H, I10H
	9J22B		9J12B		2030		63	011L, I12H, I13H, I14H, I15H
	9J08C		9J07C		2331*		68	I9H, I10H, I11H
	9J25B		9J35A		2070		62,63	I9L, 014H
	9J24A		9J23A		2321**		63,64	010H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J10B		9J11B		2030		66	16L, I13L
	9J33A		9J32A		2030		65	15L
	9J34A		9J32A		2030		65	15L

013374		000160		110060		000000		
	9J33A		9J32A		2030		65	011L, 010H, I12H, I13H, I14H, I15H, I5L*I6L*I7L*I8L* I9L
	9J06A		9J08A		2900		65	I9L, I12H
	9J30E		9J31E		2040		69	I11H, I12H

013374		000167		000063		000000		
	9J09B		9J08B		2900		66	I9H, I14H, 013H* 015L, 013H
	9J10B		9J11B		2030		66	I12L, 010H, 011H, I5L*I6L*I7L*I8L* I9L, I12L*I13L* I14L
	9J29E		9J25D		2070		57, 58, 67	I9L, 014H
	9J07B		9J06B		2060		66	I11L
	9J09A		9J07A		2060		65, 66, 69	I8L

013374		000167		114463		000000		
	9J16A		9J03A		2013		58	I5H, I6H, I7H, I8H, I9H, 010H*011H* 012H, 013H*014H* 015H
	9J03B		9J02B		2020		69	I6L, I9L, I13H, I14H, I15H, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	9J23C		9J01C		2013		06	I5H, I6H, 013H* 014H*015H
	9J04D		9J08D		2020		70	I14L, I5H, I6H, I7H, 011H*012L, I13L*I14L*I15L, 011H
	9J03D		9J08D		2020		70	I6L, I8L, 011L* 012H, I5L*I6L* I7L, I8L*I9L* I10L, 012H
	9J09D		9J27D		2013		58	I7L, 010L*011L*

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J18A		9J10A		2060		59,69,70	012L 014L,18H,19H, I10H
	9J13A		9J16C		2050		69,70	I11L,010H,I11L* I12L,I13L*I14L* I15L
	9J06B		9J07B		2060		66,69	I6L,013H,I5L* I6L*I7L
	9J16F		9J12F		2070		58,60,69	I10L,015H
	9J20A		9J14A		2070		56,58,60	I10L,015H
	9J30E		9J31E		2040		69	015L

013374		000231		000021		000000		
	9J19A		9J18A		2060		60	I11L,015H,I11L* I12L
	9J20A		9J14A		2070		56,58,60	011L,15H

013701		400000		000100		017101		
	9J08C		9J07C		2331*		68	I10L

014165		000000		000000		017101		
	9J16A		9J03A		2013		58	I8L,010L*011L* 012L
	9J16F		9J12F		2070		58,60,69	015L,110H
	9J09B		9J08B		2900		66	I10L

014307		000000		162400		000000		
	9J09C		9J08C		2331*		68	I11L

014307		000000		162401		000000		
	9J05D		9J06D		2900		68	I12H,06H*08L, 06H
	9J34C		9J22C		2030		63	011L,112H,113H, I14H,I15H
	9J21B		9J07B		2060		38,63	013L,16H,17H
	9J35A		9J25A		2070		61,62,63,64	I7L,013H
	9J03C		9J02C		2331*		68	I9H,I10H
	9J24B		9J30A		2321**		63	011H
	9J25B		9J14C		2070		62,63	013H
	9J11B		9J10B		2030		66	I6L
	9J33A		9J32A		2030		65	I6L

014307		000000		162600		000023		
	9J03C		9J02C		2331*		68	I9L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LUC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014307		000000		163407		000000		
	9J22B		9J34B		2030		63	010L,15H,16H, 17H,18H,19H
	9J09C		9J08C		2331*		68	19H,110H,111H
	9J25B		9J35A		2070		62,63	16L,012H
	9J24B		9J30A		2321**		63	010H
	9J12B		9J11B		2030		66	16L
	9J33A		9J32A		2030		65	17L
014307		160503		160503		000000		
	9J12D		9J02D		2070		57,58,65	19L
014307		162400		000000		000000		
	9J07C		9J06C		2331*		68	111L
014307		162401		000000		000000		
	9J05D		9J06D		2900		68	19H,013H*015L, 013H
	9J34B		9J22B		2030		64	011L,112H,113H, 114H,115H
	9J25A		9J20A		2070		61,64	17L,013H
	9J35A		9J25B		2070		61,62,63,64	19L,014H
	9J02C		9J03C		2331*		68	19H,110H
	9J23A		9J24A		2321**		64	011H
	9J21A		9J19A		2060		38,64	013L
	9J11B		9J10B		2030		66	15L
	9J33A		9J32A		2030		65	113L
014307		162401		162401		000000		
	9J09D		9J27D		2013		58	17H,18H,19H, 010H*011H*012H
	9J23C		9J01C		2013		06	15L,17L,010L* 011L*012L,013L* 014L*015L
	9J32C		9J27C		2013		60,69	17H,18H,19H, 010H*011H*012H
	9J03D		9J08D		2020		70	114L,115L,15H, 16H,17H,011H* 012L,113L*114L* 115L,011H
	9J03A		9J16A		2013		68	15H,16H,013H* 014H*015H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J02D		9J12D		2070		65,70	I7L,012L,I6H, 013H
	9J10D		9J21D		2060		58,68	I9L,I10L,014H, I8L*I9L*I10L
	9J04D		9J08D		2020		70	I13L,I15L
	9J11B		9J10B		2030		66	010H,I5L*I6L* I7L*I8L*I9L
	9J09B		9J08B		2900		66	I12H
	9J20C		9J19C		2050		57	09L

014307		163407		000000		000000		
	9J22A		9J12A		2030		64	010L,I5H,I6H, I7H,I8H,I9H
	9J07C		9J06C		2331*		68	I9H,I10H,I11H
	9J25A		9J20A		2070		61,64	I6L,012H
	9J23A		9J24A		2321**		64	010H
	9J12B		9J11B		2030		66	I5L
	9J33A		9J32A		2030		65	I14L

014307		163407		163407		000000		
	9J08B		9J09B		2900		66	I9H
	9J07B		9J06B		2060		66	I7L

014351		000000		557756		017101		
	9J20A		9J14A		2070		56,58,60	I5L,I6L,011H, 012H
	9J19A		9J18A		2060		60	015L,I11H
	9J07B		9J06B		2060		66	I6L

014604		000000		000023		017101		
	9J15F		9J14F		2013		59	I7H,010H*011H* 012H

014604		000000		020000		017101		
	9J12F		9J16F		2070		56,57	I5L,011H
	9J20C		9J19C		2050		57	I7H

014604		000000		023000		017101		
	9J15F		9J14F		2013		59	I5H,013H*014H* 015H

014604		000000		023023		017101		
	9J13F		9J14F		2013		58	I5L,013L*014L* 015L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J10D		9J21D		2060		58,68	013L,15H,16H
014604		000001		000025		017101		
	9J03G		9J02G		2321**		73	011L,16H
	9J04G		9J09G		2030		73,73A	18L
014604		000001		025000		017101		
	9J03G		9J02G		2321**		73	010L,15H
	9J04G		9J09G		2030		73,73A	17L
014604		000002		000005		017101		
	9J06G		9J05G		2321**		73A	011L,16H
	9J04G		9J09G		2030		73,73A	115L
014604		000002		005000		017101		
	9J06G		9J05G		2321**		73A	010L,15H
	9J04G		9J09G		2030		73,73A	114L
014604		000003		000025		017101		
	9J08G		9J07G		2321**		73B	011L,16H
	9J09G		9J04G		2030		73B,74	18L
014604		000003		025000		017101		
	9J08G		9J07G		2321**		73B	010L,15H
	9J09G		9J04G		2030		73B,74	17L
014604		000003		031031		017101		
	9J03E		9J06E		2900		71	110L,111L,17L* 15L*114L,110L* 112L*19L
014604		000004		000005		017101		
	9J11G		9J10G		2321**		74	011L,16H
	9J09G		9J04G		2030		73B,74	112L
014604		000004		005000		017101		
	9J11G		9J10G		2321**		74	010L,15H
	9J09G		9J04G		2030		73B,74	113L
014604		000005		000025		017101		
	9J13G		9J12G		2321**		74A	011L,16H
	9J14G		9J09G		2030		74A,74B	15L
014604		000005		025000		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J13G		9J12G			74A	010L,15H
	9J14G		9J09G			74A,74B	16L
014604		000006		000005	017101		
	9J16G		9J15G			74B	011L,16H
	9J14G		9J09G			74A,74B	112L
014604		000006		005000	017101		
	9J16G		9J15G			74B	010L,15H
	9J14G		9J09G			74A,74B	113L
014604		000007		000025	017101		
	9J18G		9J17G			75	011L,16H
	9J19G		9J14G			75,75A	15L
014604		000007		025000	017101		
	9J18G		9J17G			75	010L,15H
	9J19G		9J14G			75,75A	16L
014604		000010		000005	017101		
	9J21G		9J20G			75A	011L,16H
	9J19G		9J14G			75,75A	112L
014604		000010		005000	017101		
	9J21G		9J20G			75A	010L,15H
	9J19G		9J14G			75,75A	113L
014604		000011		000025	017101		
	9J23G		9J22G			75B	011L,16H
	9J24G		9J19G			75B,76	15L
014604		000011		025000	017101		
	9J23G		9J22G			75B	010L,15H
	9J24G		9J19G			75B,76	16L
014604		000012		000005	017101		
	9J26G		9J25G			76	011L,16H
	9J24G		9J19G			75B,76	112L
014604		000012		005000	017101		
	9J26G		9J25G			76	010L,15H
	9J24G		9J19G			75B,76	113L
014604		000013		000025	017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J03F		9J02F		2321**	76A	011L,16H
	9J04F		9J09F		2030	76A,76B	15L
014604		000013		025000	017101		
	9J03F		9J02F		2321**	76A	010L,15H
	9J04F		9J09F		2030	76A,76B	16L
014604		000014		000005	017101		
	9J06F		9J05F		2321**	76B	011L,16H
	9J04F		9J09F		2030	76A,76B	112L
014604		000014		005000	017101		
	9J06F		9J05F		2321**	76B	010L,15H
	9J04F		9J09F		2030	76A,76B	113L
014604		000014		011011	017101		
	9J06E		9J03E		2900	71	110L
014604		000014		031031	017101		
	9J06E		9J03E		2900	71	111L,17L*15L* 114L,110L*112L* 19L
014604		000015		000025	017101		
	9J08F		9J07F		2321**	77	011L,16H
	9J09F		9J04F		2030	77,77A	15L
014604		000015		025000	017101		
	9J08F		9J07F		2321**	77	010L,15H
	9J09F		9J04F		2030	77,77A	16L
014604		000016		000005	017101		
	9J11F		9J10F		2321**	77A	011L,16H
	9J09F		9J04F		2030	77,77A	112L
014604		000016		005000	017101		
	9J11F		9J10F		2321**	77A	010L,15H
	9J09F		9J04F		2030	77,77A	113L
014604		000017		000025	017101		
	9J18F		9J17F		2321**	77B	011L,16H
	9J19F		9J09F		2030	77B,78	15L
014604		000017		025000	017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J18F		9J17F			77B	010L,15H
	9J19F		9J09F			77B,78	I6L
014604		000020		000005	017101		
	9J21F		9J20F			78	011L,16H
	9J19F		9J09F			77B,78	I12L
014604		000020		005000	017101		
	9J21F		9J20F			78	010L,15H
	9J19F		9J09F			77B,78	I13L
014604		000021		000025	017101		
	9J23F		9J22F			78A	011L,16H
	9J24F		9J19F			78A,78B	I5L
014604		000021		025000	017101		
	9J23F		9J22F			78A	010L,15H
	9J24F		9J19F			78A,78B	I6L
014604		000022		000005	017101		
	9J26F		9J25F			78B	011L,16H
	9J24F		9J19F			78A,78B	I12L
014604		000022		005000	017101		
	9J26F		9J25F			78B	010L,15H
	9J24F		9J19F			78A,78B	I13L
014604		000060		011011	017101		
	9J09E		9J06E			71	I10L
014604		000060		031031	017101		
	9J09E		9J06E			71	I11L,17L*I5L*
							I14L,I10L*I12L*
							I9L
014604		000300		031031	017101		
	9J12E		9J09E			71	I11L,17L*I5L*
							I14L,I10L*I12L*
							I9L
014604		001001		025025	017101		
	9J03E		9J06E			71	I9L,013L*015H,
							015H
	9J04G		9J09G			73,73A	010H,15L*I6L*

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 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J02E		9J04E		2341***		71	I7L*I8L*I9L I15L
014604		001001		240240		017101		
	9J02G		9J05G		2321**		73	I5L,I6L,010H, 011H
	9J04G		9J09G		2030		73,73A	010L,I5H,I6H, I7H,I8H,I9H
	9J03E		9J06E		2900		71	I9H,013H*015L, 013H
	9J03G		9J05G		2321**		73	010H,011H
	9J02E		9J04E		2341***		71	I15H
014604		001400		031031		017101		
	9J15E		9J12E		2900		71,72	I11L,I7L*I5L* I14L,I10L*I12L* I9L
014604		002002		005005		017101		
	9J03E		9J06E		2900		71	I12L,06L*08H, 08H
	9J04G		9J09G		2030		73,73A	011H,I12L*I13L* I14L
	9J04E		9J02E		2341***		71	I15L
014604		002002		260260		017101		
	9J05G		9J03G		2321**		73A	I5L,I6L,010H, 011H
	9J03E		9J06E		2900		71	I12H,06H*08L, 06H
	9J04G		9J09G		2030		73,73A	011L,I12H,I13H, I14H,I15H
	9J06G		9J07G		2321**		73A	010H,011H
	9J04E		9J02E		2341***		71	I15H
014604		003003		025025		017101		
	9J06E		9J03E		2900		71	I9L,013L*015H, 015H
	9J09G		9J04G		2030		73B,74	010H,I5L*I6L* I7L*I8L*I9L
	9J05E		9J04E		2341***		71	I15L
014604		003003		240240		017101		
	9J07G		9J06G		2321**		73B	I5L,I6L,010H,

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 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
	9J09G		9J04G		2030	73B,74	011H 010L,15H,16H, 17H,18H,19H
	9J06E		9J03E		2900	71	19H,013H*015L, 013H
	9J08G		9J10G		2321**	73B	010H,011H
	9J05E		9J04E		2341***	71	I15H

014604		004004		005005		017101	
	9J06E		9J03E		2900	71	I12L,06L*08H, 08H
	9J09G		9J04G		2030	73B,74	011H,I12L*I13L* I14L
	9J07E		9J05E		2341***	71	I15L

014604		004004		260260		017101	
	9J10G		9J08G		2321**	74	15L,I6L,010H, 011H
	9J06E		9J03E		2900	71	I12H,06H*08L, 06H
	9J09G		9J04G		2030	73B,74	011L,I12H,I13H, I14H,I15H
	9J11G		9J12G		2321**	74	010H,011H
	9J07E		9J05E		2341***	71	I15H

014604		005005		025025		017101	
	9J09E		9J06E		2900	71	I9L,013L*015H, 015H
	9J14G		9J09G		2030	74A,74B	010H,15L*I16L* I17L*I18L*I19L
	9J08E		9J07E		2341***	71	I15L

014604		005005		240240		017101	
	9J12G		9J11G		2321**	74A	15L,I6L,010H, 011H
	9J14G		9J09G		2030	74A,74B	010L,15H,16H, 17H,18H,19H
	9J09E		9J06E		2900	71	19H,013H*015L, 013H
	9J13G		9J15G		2321**	74A	010H,011H
	9J08E		9J07E		2341***	71	I15H

014604		006000		031031		017101	
	9J18E		9J15E		2900	72	I10L,I11L,I17L*

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 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	PLATE	FAULT
							15L*114L,I10L* I12L*19L
014604		006006		005005	017101		
	9J09E		9J06E		2900	71	112L,06L*08H, 08H
	9J14G		9J09G		2030	74A,74B	011H,I12L*I13L* I14L
	9J10E		9J08E		2341***	71	I15L
014604		006006		260260	017101		
	9J15G		9J13G		2321**	74B	15L,16L,010H, 011H
	9J09E		9J06E		2900	71	112H,06H*08L, 06H
	9J14G		9J09G		2030	74A,74B	011L,I12H,I13H, I14H,I15H
	9J16G		9J17G		2321**	74B	010H,011H
	9J10E		9J08E		2341***	71	I15H
014604		007007		025025	017101		
	9J12E		9J09E		2900	71	19L,I10L,013L* 015H,015H
	9J19G		9J14G		2030	75,75A	010H,15L*16L* I7L*18L*19L
	9J11E		9J10E		2341***	71	I15L
014604		007007		240240	017101		
	9J17G		9J16G		2321**	75	15L,16L,010H, 011H
	9J19G		9J14G		2030	75,75A	010L,15H,16H, 17H,18H,19H
	9J12E		9J09E		2900	71	19H,013H*015L, 013H
	9J18G		9J20G		2321**	75	010H,011H
	9J11E		9J10E		2341***	71	I15H
014604		010010		005005	017101		
	9J12E		9J09E		2900	71	112L,06L*08H, 08H
	9J19G		9J14G		2030	75,75A	011H,I12L*I13L* I14L
	9J13E		9J11E		2341***	71	I15L

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 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604		010010		260260		017101		
	9J206		9J186		2321**		75A	I5L,I6L,010H, 011H
	9J12E		9J09E		2900		71	I12H,06H*08L, 06H
	9J196		9J146		2030		75,75A	011L,I12H,I13H, I14H,I15H
	9J216		9J226		2321**		75A	010H,011H
	9J13E		9J11E		2341***		71	I15H

014604		011011		025025		017101		
	9J15E		9J12E		2900		71,72	I9L,013L*015H, 015H
	9J246		9J196		2030		75B,76	010H,I5L*I6L* I7L*I8L*I9L
	9J14E		9J13E		2341***		71	I15L

014604		011011		240240		017101		
	9J226		9J216		2321**		75B	I5L,I6L,010H, 011H
	9J246		9J196		2030		75B,76	010L,I5H,I6H, I7H,I8H,I9H
	9J15E		9J12E		2900		71,72	I9H,013H*015L, 013H
	9J236		9J256		2321**		75B	010H,011H
	9J14E		9J13E		2341***		71	I15H

014604		012012		005005		017101		
	9J15E		9J12E		2900		71,72	I12L,06L*08H, 06H
	9J246		9J196		2030		75B,76	011H,I12L*I13L* I14L
	9J16E		9J14E		2341***		72	I15L

014604		012012		025025		017101		
	9J15E		9J12E		2900		71,72	I10L

014604		012012		260260		017101		
	9J256		9J236		2321**		76	I5L,I6L,010H, 011H
	9J15E		9J12E		2900		71,72	I12H,06H*08L, 06H
	9J246		9J196		2030		75B,76	011L,I12H,I13H, I14H,I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J26G		9J23G		2321**		76	010H,011H
	9J16E		9J14E		2341***		72	I15H
014604		013013		025025		017101		
	9J18E		9J15E		2900		72	I9L,013L*015H, 015H
	9J04F		9J09F		2030		76A,76B	010H,I5L*I6L* I7L*I8L*I9L
	9J17E		9J16E		2341***		72	I15L
014604		013013		240240		017101		
	9J02F		9J05F		2321**		76A	I5L,I6L,010H, 011H
	9J04F		9J09F		2030		76A,76B	010L,I5H,I6H, I7H,I8H,I9H
	9J18E		9J15E		2900		72	I9H,013H*015L, 013H
	9J03F		9J05F		2321**		76A	010H,011H
	9J17E		9J16E		2341***		72	I15H
014604		014014		005005		017101		
	9J18E		9J15E		2900		72	I12L,06L*08H, 08H
	9J04F		9J09F		2030		76A,76B	011H,I12L*I13L* I14L
	9J19E		9J17E		2341***		72	I15L
014604		014014		260260		017101		
	9J05F		9J03F		2321**		76B	I5L,I6L,010H, 011H
	9J18E		9J15E		2900		72	I12H,06H*08L, 06H
	9J04F		9J09F		2030		76A,76B	011L,I12H,I13H, I14H,I15H
	9J06F		9J07F		2321**		76B	010H,011H
	9J19E		9J17E		2341***		72	I15H
014604		015015		025025		017101		
	9J21E		9J18E		2900		72	I9L,I10L,013L* 015H,015H
	9J09F		9J04F		2030		77,77A	010H,I5L*I6L* I7L*I8L*I9L
	9J20E		9J19E		2341***		72	I15L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	CE	TYPE	PLATE	FAULT
014604		015015		240240	017101			
	9J07F		9J06F			2321**	77	I5L,I6L,010H, 011H
	9J09F		9J04F			2030	77,77A	010L,I5H,I6H, I7H,I8H,I9H
	9J21E		9J18E			2900	72	I9H,013H*015L, 013H
	9J08F		9J10F			2321**	77	010H,011H
	9J20E		9J19E			2341***	72	I15H

014604		016016		005005	017101			
	9J21E		9J18E			2900	72	I12L,06L*08H, 08H
	9J09F		9J04F			2030	77,77A	011H,I12L*I13L* I14L
	9J22E		9J20E			2341***	72	I15L

014604		016016		260260	017101			
	9J10F		9J08F			2321**	77A	I5L,I6L,010H, 011H
	9J21E		9J18E			2900	72	I12H,06H*08L, 06H
	9J09F		9J04F			2030	77,77A	011L,I12H,I13H, I14H,I15H
	9J11F		9J17F			2321**	77A	010H,011H
	9J22E		9J20E			2341***	72	I15H

014604		017017		025025	017101			
	9J24E		9J21E			2900	72	I9L,013L*015H, 015H
	9J19F		9J09F			2030	77B,78	010H,I5L*I6L* I7L*I8L*I9L
	9J23E		9J22E			2341***	72	I15L

014604		017017		240240	017101			
	9J17F		9J11F			2321**	77B	I5L,I6L,010H, 011H
	9J19F		9J09F			2030	77B,78	010L,I5H,I6H, I7H,I8H,I9H
	9J24E		9J21E			2900	72	I9H,013H*015L, 013H
	9J18F		9J20F			2321**	77B	010H,011H
	9J23E		9J22E			2341***	72	I15H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
014604	9J24E	020020	9J21E	005005	2900	017101	72	I10L,I12L,06L* 08H,08H
	9J19F		9J09F		2030		77B,78	011H,I12L*I13L* I14L
	9J25E		9J23E		2341***		72	I15L

014604	9J20F	020020	9J18F	260260	2321**	017101	78	I5L,I6L,010H, 011H
	9J24E		9J21E		2900		72	I12H,06H*08L, 06H
	9J19F		9J09F		2030		77B,78	011L,I12H,I13H, I14H,I15H
	9J21F		9J22F		2321**		78	010H,011H
	9J25E		9J23E		2341***		72	I15H

014604	9J27E	021021	9J24E	025025	2900	017101	72	I9L,C13L*015H, 015H
	9J24F		9J19F		2030		78A,78B	010H,I5L*I6L* I7L*I8L*I9L
	9J26E		9J25E		2341***		72	I15L

014604	9J22F	021021	9J21F	240240	2321**	017101	78A	I5L,I6L,010H, 011H
	9J24F		9J19F		2030		78A,78B	010L,I5H,I6H, I7H,I8H,I9H
	9J27E		9J24E		2900		72	I9H,013H*015L, 013H
	9J23F		9J25F		2321**		78A	010H,011H
	9J26E		9J25E		2341***		72	I15H

014604	9J27E	022022	9J24E	005005	2900	017101	72	I12L,06L*08H, 08H
	9J24F		9J19F		2030		78A,78B	011H,I12L*I13L* I14L
	9J28E		9J26E		2341***		72	I15L

014604	9J25F	022022	9J23F	260260	2321**	017101	78B	I5L,I6L,010H, 011H

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J27E		9J24E		2900		72	I12H, C6H*08L, 06H
	9J24F		9J19F		2030		78A,78B	011L, I12H, I13H, I14H, I15H
	9J26F		9J02G		2321**		78B	010H, 011H
	9J28E		9J26E		2341***		72	I15H

014604		030000		031031		017101		
	9J21E		9J18E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014604		117177		031031		017101		
	9J13F		9J14F		2013		58	I7L, 010L*011L* 012L

014604		140000		031031		017101		
	9J24E		9J21E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014604		600000		031031		017101		
	9J27E		9J24E		2900		72	I11L, I7L*I5L* I14L, I10L*I12L* I9L

014724		400000		000004		017101		
	9J21B		9J07B		2060		38,63	015L, I11H, I12H
	9J34A		9J33A		2030		65	I7L

014724		400000		000005		017101		
	9J19C		9J17C		2050		56	09L, I7H

014771	*CHECK EF/OD AND ID ACKNOWLEDGE TIMING.							

015561		000002		000002		017101		
	9J08D		9J04D		2020		68	I13L, I8H, I9H, I10H, 011H*012L, I13L*I14L*I15L, 011H
	9J06B		9J21B		2060		66,69	015L, I11H, I12H
	9J07B		9J21B		2060		66	I9L

015561		000040		000040		017101		

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

NAVSEA OP 3514 (PMS/SMS) VOLUME 2 PART 2

TABLE 8-72. JUMPERED CHANNEL TEST - CHAN 15,17 - PROGRAM STOP CONDITION

P	LOC	AU	SWAP	AL	TYPE	CE	PLATE	FAULT
	9J08D		9J04D		2020		68	I9L,I13H,I14H, I15H,011L*012H, I5L*I6L*I7L,I8L* I9L*I10L,012H
	9J06B		9J07B		2060		66,69	I12L
016023	9J06C	504622	9J05C	014140	2331*	013702	68	I9L
016023	9J08C	505000	9J07C	014015	2331*	013702	68	I9L
017002	9J19C	777700	9J17C	505640	2050	017101	56	I5L,I7L,09H,I5L* I6L,I7L*I8L

* 2130 FOR SLOW INTERFACE
 ** 2090 FOR SLOW INTERFACE
 *** 2140 FOR SLOW INTERFACE

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