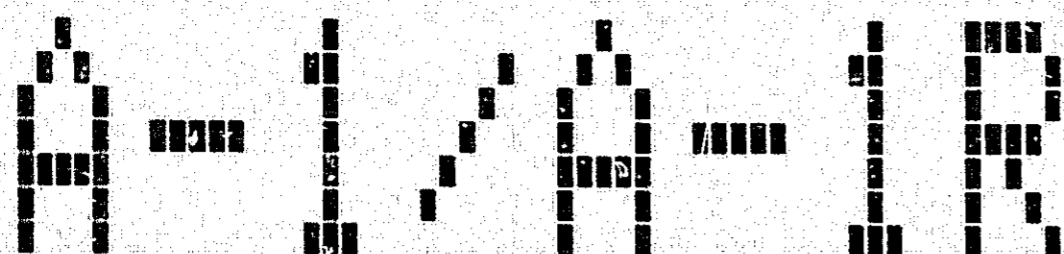


APPENDIX A FICHE LIBRARY NOV 85



11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 1
*** DESCRIPTION ***											
A-1/A-1R		OPER & SERV MAN	APR65	00001-91323	MAY71	00001-91373	01	11	01		
AC-4A		OPER & SERV MAN MAN CHANGE MAN CHANGE B AC-4A/B MAN AC-4A/B MAN CHANGE	JAN00 MAR62 MAR62 FEB60 MAY62	522B-900 522B-900 522B-900 522B-900 522B-900	SEP71	522B-903	01	02	03		
AC-4B		OPER & SERV MAN MAN CHANGE MAN CHANGE B AC-4A/B MAN AC-4A/B MAN CHANGE	JAN00 MAR62 MAR62 FEB60 MAY62	522B-900 522B-900 522B-900 522B-900 522B-900	SEP71	522B-903	01	02	03		
AN/USM 140B		OPER & SERV MAN MAN CHANGE	DEC65 MAY68	170B-901 170B-901	MAR71	170B-801	01	08	05		
AN/USM 141A		OPER & SERV MAN MAN CHANGE	DEC65 MAY68	170B-901 170B-901	MAR71	170B-801	01	08	05		
D-1B		OPER & SERV MAN	FEB65	00001-91316	MAY71	00001-91366	01	11	01		
D-2		OPER & SERV MAN	FEB65	00001-91316	MAY71	00001-91366	01	11	01		
DTS-70		OPERATOR'S MAN PROG'S REF MAN REFERENCE MAN PROG'S REF MAN	APR77 MAR77 NOV76 SEP77	09571-93003 09571-93005 09571-93015 09571-93020	JUN77 APR77 FEB77 OCT77	09571-93004 09571-93006 09571-93016* 09571-93021	8L 8L 8L 8L	01 01 01 01	09 09 09 09	01 03 01 03	USE FICHE 02100-90140 FOR SOFTWARE REC C & ABOVE
ET19715		SERV MAN MAN CHANGE	JAN83 FEB83	64621-90902 64621-90902	MAY83	64621-90802	8L	01	D2	03	
F-1A SERIES		OPER & SERV MAN	APR65	00001-91318	MAY71	00001-91368	01	11	01		
F-3B		SERV NOTE SET BELOW F-3B-1	MAR67	SER BELOW 645	MAY78	MOD TO IMPROVE PERFORMANCE WHEN REPLACING LINE FOLLOWER HEAD					
F-3B & F-3		OPER & SERV MAN	DEC68	00003-90000	OCT74	00003-90050	01	11	02		
FRIDEN SP-2		SERV NOTE SET BELOW SP2-1	OCT67	WN LUBRICATION FOR FRIDEN SP-2	MAY78	MOTORIZED TAPE PUNCH					
GENERAL		SERV NOTE SET BELOW			JUL85						
		AUTOGRIP	FEB66	AUTOGRIP RETROFIT INST FOR OLDER X-Y RECORDERS							
		HP-IB-1	JAN76	WN ALL HP-IB COMPATIBLE INSTRUMENTS. HP-IB LINE NAME CHANGES							
		M19C	-	RECOMMENDED REPL OF PRECISION POTS							
		M20E	MAR69	RECOMMENDED PROCEDURES F/R COMPONENT REPLACEMENT ON ETCHED CIRCUIT BOARDS							
		M-23B	AUG66	CABINET TO RACK MOUNT CONVERSION KIT							
		M-37	JAN65	TRANSIENT-RESPONSE TEST SET FOR CONSTANT-VOLTAGE, REGULATED DC POWER SUPPLIES							
		M-38	JUN73	TROUBLESHOOTING TIPS FOR HP POWER SUPPLIES							
		M39	JUN67	MAINTENANCE LOG FOR DIGITAL TAPE UNIT							
		M40	-	IDENT. PHOTOS OF TERMINAL POSTS, PIN CONNECTORS, STANDOFFS AND FEED THRU ETC.							
		M-42A	OCT68	TOOLS FOR 2020/3029/3030 TAPE UNITS							
		M-43A	AUG69	REPL + ADJ HEAD GATE ASSY ON 2020/3030 TAPE UNITS							
		M-44	FEB69	NEW PART NO'S. FOR ANALOG HEAD ASSY.							

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10324A

10326A

10342C

10365A

10366A

10366B

10367A

10373A

10375A

10376A

10379A

10380A

10380A-C

10380A-C

10380A-C

10380A/C

10381A

10382A

10388A

10389A

104AR

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 2
*** DESCRIPTION ***											

11/08/85
MODEL
NUMBER

GENERAL	SERV NOTE SET BELOW		JUL85	
	AUTOGRIP	FEB66	AUTOGRIP RETROFIT INST FOR OLDER X-Y RECORDERS	10382A
	HP-IB-1	JAN76	WN ALL HP-IB COMPATIBLE INSTRUMENTS. HP-IB LINE NAME CHANGES	
	M19C	-	RECOMMENDED REPL OF PRECISION POTS	
	M20E	MAR69	RECOMMENDED PROCEDURES FOR COMPONENT REPLACEMENT ON ETCHED CIRCUIT BOARDS	10388A
	M-23B	AUG66	CABINET TO RACK MOUNT CONVERSION KIT	
	M-37	JAN65	TRANSIENT-RESPONSE TEST SET FOR CONSTANT-VOLTAGE, REGULATED DC POWER SUPPLIES	10389A
	M-38	JUN73	TROUBLESHOOTING TIPS FOR HP POWER SUPPLIES	
	M39	JUN67	MAINTENANCE LOG FOR DIGITAL TAPE UNIT	
	M40	-	IDENT. PHOTOS OF TERMINAL POSTS, PIN CONNECTORS, STANDOFFS AND FEED THRU ETC.	
	H-42A	GCT68	TOOLS FOR 2020/3029/3030 TAPE UNITS	104AR
	H-43A	AUG69	REPL + ADJ HEAD GATE ASSY ON 2020/3030 TAPE UNITS	
	M-44	FEB69	NEW PART NO'S. FOR ANALOG HEAD ASSY.	

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 2	11/08/85 MODEL NUMBER
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
GENERAL		M-45R	SEP71			CLEANING & LUBING ROTARY SWITCHES						10403A
		M-47	JUN70	WN		MAIN PWR WIRING FOR CABINET MODELS						10404A
		M-48A	MAR79	WN		ALL SER. REV REC PROC FOR AUTOGRIP CLEANING						10405A
		M-49	OCT70	WN		SERVO MOTOR REPAIR RECOMMENDATIONS						10407A
		M-50C	MAY73			TOUCH-UP PAINTS FOR COMPUTER PRODUCTS						10407B
		M-51	JAN73			TROUBLESHOOTING GROUND CURRENT SOURCE						10408A
		M-53	NOV73			TEST EQUIP FOR REAL TIME SCOPES						10409A
		M-54	FEB74			REC CLEANING SOLVENTS FOR ALUM CAPS						10410A
		M-55A	MAY76	WN		ALL SERIALS. AUTOGRIP RETROFITTING + CLEANING PROCEDURE. SUPERS M50, M50A, M55						10411A
		M56A	JUN77	WN		ALL PREFIXES. CONTRAST FILTER CROSS REF FOR 13XX CRT DISPLAY						10412A
		M57-S	JUL77	WA		SAFETY. ELIM POT SAFETY HAZARDS FOR SANTA ROSA DIV SPECTRUM/NETWORK ANALYZERS, SWEEP OSC						10421A
		CONTD										10451A
		M-14S	SEP65			POLYSAND ABRASIVE FOR CLEANING MOSELY RECORDER SLIDEWIRES						10477A
		130	MAR65			CLEANING AUTOGRIP TABLES ON MOSELEYS						10478A
		135	MAY65			LUBING SLIDEWIRES ON MOSELEYS						10479A
		138	JUL65			MOD TO ACCOMODATE CHARACTER PRINTER						10480A
		5083-1	FEB75	WO		ALL RECT STORAGE CRTS. REMOVAL OF CHARGED PARTICLES						10487A
		5083-2	FEB75	WO		EFFECT OF MAGNETIZATION						10488A
		M58-S	FEB78	WN		SAFETY. ELIM OF POT SAFETY HAZARD						10490A
		M59-2-C	MAR81	WN		SAFETY. PROD SFTY SERV NOTE INDEX						10491A
		5083-3	APR78	WN		REC USE OF BLACK TAPE ON CRT BASES TO PREVENT CRACKING						10494A
		5083-5	FEB79	WN		ALL SER. REC REPL PROC FOR RECTANGULAR STORAGE CRT'S						10495A
		5083-6	MAR79	WN		DO NOT REMOVE BLACK TAPE ON CRT BASES						
		5083-7	MAR81	WN		CRT PART NOS 5083-19XX, 5083-25XX (EXCL 2511) & 5083-37XX. INCR SCREEN UNIFORMITY FOR CRT SERIALS 520637 & HIGHER						
		5083-8	FEB84	WN		GEN END OF SUPPORT FOR CATHODE RAY TUBES						
		5803-9	FEB84	WN		CROSS REF OF AP CATHODE RAY TUBE P/N TO COMMERCIAL TUBE TYPES						
		5083-10	NOV84	WN		END SUPPORT FOR SELECTED CATHODE RAY TUBES						
		5083-11	NOV84	WN		END SUPPORT FOR CATHODE RAY TUBES USED IN 1700A/B, 1701A/B, 1706A/B & 1707A/B INSTR, ALL OPT P/N 5083-2752						
		CONT'D	JAN85	WN		END SUPPORT FOR CATHODE RAY TUBES USED IN 1331A/C & 1208A/B INSTR, ALL OPT						
		5083-12	APR85	WN		END SUPPORT FOR CATHODE RAY TUBES USED IN 1710B, 1712A, 1720A, & 1720AF INSTR, ALL OPT P/N 5083-4052 & 5083-4070						
		5083-14										
		CONT'D										
62A		OPER & SERV MAN	MAY68		00002-90002	APR74	00002-90052	01	11	02		10479B
62B		OPER & SERV MAN	MAY68		00002-90002	APR74	00002-90052	01	11	02		10480A
6347A-C02		OPER NOTE	DEC71		347A-903	JAN78	00347-90012	8L	01	04	01	10480B
		OPER NOTE MOD	DEC71		347A-903							10487A
6347A-C03		OPER NOTE	DEC71		347A-903	JAN78	00347-90012	8L	01	04	01	10488A
		OPER NOTE MOD	DEC71		347A-903							10490A
H P I E		USERS GUIDE	SEP74		59300-90001	OCT85	59300-90003	8L	01	02	02	FOR 9820A & 9821A CALCULATORS
		USERS GUIDE	NOV74		59300-90002	OCT85	59300-90004	8L	01	02	02	FOR 9830A CALCULATOR
		CONDENSED DESCRIPT	MAR75		59401-90030	OCT85	59401-90090	8L	01	02	01	
H05-4276A		OPER & SERV MAN	JUL83		04276-90200	JAN84	04376-90250	8L	01	33	01	10491A
		MAN CHANGE	OCT83		04276-90200							10494A
H347A-C02		OPER NOTE	DEC71		347A-903	JAN78	00347-90012	8L	01	04	01	10495A
		OPER NOTE MOD	DEC71		347A-903							
H347A-C03		OPER NOTE	DEC71		347A-903	JAN78	00347-90012	8L	01	04	01	

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												

H P I L	USERS GUIDE	SEP74 59300-90001	OCT85 59300-90003	8L 01 02 02	FOR 9820A & 9821A CALCULATORS	10488A
	USERS GUIDE	NOV74 59300-90002	OCT85 59300-90004	8L 01 02 02	FOR 9830A CALCULATOR	10490A
	CONDENSED DESCRIPT	MAR75 59401-90030	OCT85 59401-90090	8L 01 02 01		10491A
H05-4276A	OPER & SERV MAN MAN CHANGE	JUL83 04276-90200 OCT83 04276-90200	JAN84 04376-90250	8L 01 33 01		10494A
H347A-C02	OPER NOTE OPER NOTE MOD	DEC71 347A-903 DEC71 347A-903	JAN78 00347-90012	8L 01 04 01		10495A
H347A-C03	OPER NOTE	DEC71 347A-903	JAN78 00347-90012	8L 01 04 01		

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 3	11/08/85 MODEL NUMBER
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
H347A-C03		OPER NOTE MOD	DEC71	347A-903	JAN78	00347-90012	8L	01	04	01		10496A
KS-19353 L4		OPER & SERV MAN MAN CHANGE	SEP70 MAY74	00236-90003 00236-90003	JUN75	00236-90053		01	09	01		105A
KS-19763L1A		OPER & SERV MAN MAN CHANGE	APR70 MAY71	00193-90905 00193-90905	MAY71	00193-90805		01	08	03		105A-K07
KS-19977L-1		OPER MAN SERV MAN MAN CHANGE	AUG67 SEP67 OCT68	05247-9003 05247-9005 05247-9005	FEB72 JAN78	05247-9014 05247-9015		01 8L	02 01	01 03		105B
KS-20548 L1		SERV MAN MAN CHANGE	JAN71 JUN75	03701-95001 03701-95001	DEC75	03701-95026	8L	01	14	03		1051A
KS-20548 L2		SERV MAN VOL I MAN CHANGE SERV MAN VOL II MAN CHANGE	JAN71 MAR75 FEB71 JAN73	03702-95003 03702-95003 03703-95001 03703-95001	JUN75	03702-95028		01	14	04		10511A
KS-20626		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW KS-20626-1(86052-1) KS-20626-2(86052-2)	AUG74 AUG74 JUN73 JAN74	08605-90043 08605-90043 NO IMPR OPER AMPLF FOR A2 & A3 BOARDS NO REC REPL FOR LINE FILTR CAP C1	JAN85	08605-90044	8L	01	04	05		10515A
KS-20626-L1		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		1052A
KS-20626-L2		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10525-600
KS-20626-L3		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10525A
KS-20626-L4		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10525C
KS-20626-L5		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10525H
KS-20626-L6		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10525T
KS-20626-L7		OPER & SERV MAN MAN CHANGE	AUG74 APR76	08605-90043 08605-90043	MAY85	08605-90044	8L	01	04	06		10526T
K281C		OPER & SERV MAN OPER & SERV MAN	APR80 JAN84	00281-90030 00281-90043	AUG80 MAR84	00281-90031* 00281-90044	8L	01	04	01	USE K281C FICHE 00281-90044 SEE TITLE PAGE FOR LIST OF OPTIONS	10528A
K8747A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW K8747A-1/R8747A-1/	AUG72 MAY75 JUN82 MAR82	08747-90015 08747-90015 08747-90029 WN ALL SER. PACKAGING INSTR FOR SHIPMENT	JAN85	08747-90016	8L	01	45	02		10529-600
					OCT82 JUL82	08747-90030	8L	01	45	02		10529A
												10533A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												

	SCR-10-3 SCR-10-5		AUG69 WO MOD OF 380- + 460- VAC INPUT SCR'S ON UNITS PRODUCED PRIOR TO JUNE 1969 AUG70 WN MOD TO IMPR DERF ON UNITS PRODUCED PRIOR TO DEC 1968.SUPERSEDES SCR-10-4						
S382B	OPER NJTE	JAN68	00382-90010	SEP70	00382-90013*	01	04	01	USE S382C FICHE 00382-90036
S382C	OPER NOTE OPER NOTE	JAN68	00382-90010 JAN84 00382-90035	SEP70	00382-90013* MAR84 00382-90036	01	04	01	USE S382C FICHE 00382-90036 8L 01 04 01
S810A	OPER NOTE	JAN00	60000A-900	SEP71	00810-90004	01	04	01	

10580A

10581A
10583A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	*** DESCRIPTION ***	PAGE 5
T0GGL		PROG & OPER MAN	JUN81	91075-93026	AUG81	91075-93027	8L	01	09	01		
X281C		OPER & SERV MAN OPER & SERV MAN	APR80 JAN84	00281-90030 00281-90043	AUG80 MAR84	00281-90031* 00281-90044	8L	01	04	01	USE X281C FICHE 00281-90044 SEE TITLE PAGE FOR LIST OF OPTIONS	
X781		OPER NOTE	MAY68	00781-90005	JUN83	00781-90006	8L	01	04	01		
X8440A		OPER NOTE	MAR66	08440-90008	JAN85	08440-90009	8L	01	23	01		
X8747A		OPER NOTE MAN CHANGE	JUL69 DEC72	08747-90004 08747-90004	JAN85	08747-90006	8L	01	04	01		
04275-65001		OPER NOTE	FEB81	04275-90100	APR81	04275-90150	8L	01	33	01		
05451-60025		OPER & SERV MAN	NOV74	05451-90217	DEC74	05451-90218*	01	02	01	USE 5451C FICHE 05451-90503		
09570-60004		OPER & SERV MAN	NOV76	09570-93007	FEB77	09570-93008	8L	01	09	02		
09570-60005		OPER & SERV MAN	NOV76	09570-93005	FEB77	09570-93006	8L	01	09	02		
09570-60006		OPER & SERV MAN	NOV76	09570-93001	FEB77	09570-93002	8L	01	09	02		
09570-60007		OPER & SERV MAN	NOV76	09570-93003	FEB77	09570-93004	8L	01	09	02		
09570-60014		OPER & SERV MAN	MAR77	09570-93019	JUN77	09570-93020	8L	01	09	02		
09570-60018		OPER & SERV MAN	MAR77	09571-93017	JUN77	09571-93018	8L	01	09	01		
09570-60033		OPER & SERV MAN	NOV76	09570-93013	FEB77	09570-93014	8L	01	09	02		
09570-60037		OPER & SERV MAN	MAR77	09570-93019	JUN77	09570-93020	8L	01	09	02		
09570-66508		OPER & SERV MAN	MAR80	09570-93023	MAY80	09570-93024	8L	01	09	01		
09570-66578		OPER & SERV MAN MAN CHANGE	APR81 JUN81	09570-93025 09570-93025	SEP82	09570-90075	8L	01	09	02		
1		OPER & MAINT MAN	SEP64	00001-91314	JUL80	00001-91364	8L	01	11	01		
100A		OPER & SERV MAN MAN CHANGE 100A MAN CHANGE 100B	JUL62 JUL62 JUL62	100A-900 100A-900 100A-900	AUG80	00100-9006	8L	01	02	01		
100B		OPER & SERV MAN MAN CHANGE 100A MAN CHANGE 100B	JUL62 JUL62 JUL62	100A-900 100A-900 100A-900	AUG80	00100-9006	8L	01	02	01		
100B/C/D		SERV NOTE SET BELOW M-4	JAN71	CRYSTAL OVEN	MAY78	MERCURY COLUMN THERMOSTAT REPLACEMENT						
100C		OPER & SERV MAN MAN CHANGE	NOV62 JAN00	100C-900 100C-900	OCT71	00100-9005	01	02	01			
100D		OPER & SERV MAN	JAN00	100D-900	OCT71	00100-9004	01	02	01			

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10585A

10586A

10590A

10593B
106A

106B

10618A
10625A
10626A

10631A/B/C

10638A

10671A
10672A
10673A
10674A
10686A

10692A
10692B

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100D		MAN CHANGE	MAY62	100D-900	OCT71	00100-9004	01	02	01			
100E		OPER & SERV MAN	JUN65	00100-9003	OCT71	00100-9007	01	02	02			

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10693A

100B/C/D	SERV NOTE SET BELOW M-4	JAN71	CRYSTAL OVEN	MAY78	MERCURY COLUMN THERMOSTAT REPLACEMENT
100C	OPER & SERV MAN MAN CHANGE	NOV62 JAN00	100C-900 100C-900	OCT71	00100-9005 01 02 01
100D	OPER & SERV MAN	JAN00	100D-900	OCT71	00100-9004 01 02 01

10692A
10692B

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 6	
			*** DESCRIPTION ***					*** DESCRIPTION ***				
100D		MAN CHANGE	MAY62	100D-900	OCT71	00100-9004	01	02	01			
100E		OPER & SERV MAN	JUN65	00100-9003	OCT71	00100-9007	01	02	02			
1000		SERV NOTE SET BELOW 1000A-1 100XA/B/C-1 CONT'D	JAN75 MAR85	NO IMPROVED STRUCTURAL RIGIDITY NO MODELS 10004D, 10005D, 10006D, 10013A, 10014A & 10016B. POSS PROBE ACCY TIPS SHORTING TO GRND INTERNALLY	JUL85							
10001A		OPER NOTE OPER NOTE	DEC76 JUL83	5955-2477 5957-7634	FEB77 OCT83	5955-2478 5957-7635	* 8L	01	08	01	USE 10001A FICHE 5957-7635	
10001B		OPER NOTE OPER NOTE	DEC76 JUL83	5955-2477 5957-7634	FEB77 OCT83	5955-2478 5957-7635	* 8L	01	08	01	USE 10001B FICHE 5957-7635	
10002A		OPER NOTE OPER NOTE	DEC76 JUL83	5955-2477 5957-7634	FEB77 OCT83	5955-2478 5957-7635	* 8L	01	08	01	USE 10002A FICHE 5957-7635	
10002B		OPER NOTE OPER NOTE	DEC76 JUL83	5955-2477 5957-7634	FEB77 OCT83	5955-2478 5957-7635	* 8L	01	08	01	USE 10002B FICHE 5957-7635	
10003A		OPER NOTE OPER NOTE	DEC76 JUL83	5955-2477 5957-7634	FEB77 OCT83	5955-2478 5957-7635	* 8L	01	08	01	USE 10003A FICHE 5957-7635	
10003B-C04		OPER NOTE	SEP72	10003-90908	OCT80	10003-90308	8L	01	08	01		
10003B-C05		OPER NOTE	SEP72	10003-90908	OCT80	10003-90808	8L	01	08	01		
10003B-C06		OPER NOTE	SEP72	10003-90908	OCT80	10003-90808	8L	01	08	01		
10003B-C07		OPER NOTE	SEP72	10003-90908	OCT80	10003-90808	8L	01	08	01		
10003B-C08		OPER NOTE	SEP72	10003-90908	OCT80	10003-90808	8L	01	08	01		
10003B-C09		OPER NOTE	SEP72	10003-90908	OCT80	10003-90808	8L	01	08	01		
10004A		OPER NOTE SERV NOTE SET BELOW 10004A-1	JUN69 MAR71	5950-4098 NO IMPR REPL PROBE CABLE	SEP81 APR79	5950-4099	8L	01	08	01		
10004B		OPER NOTE	SEP74	5951-8770	DEC83	5951-8772	8L	01	08	01		
10004C		OPER NOTE	SEP71	5951-2658	OCT71	5951-2664	01	08	01			
10004D		OPER NOTE OPER NOTE OPER NOTE	JUN76 MAR78 JAN80	5955-0186 5955-4160 5955-6263	DEC76 MAY78 MAR80	5955-0187 5955-4161 5955-6264	* 8L	01	08	01	USE 10004D FICHE 5955-4161 USE 10004D FICHE 5955-6264	
10005A		OPER NOTE SERV NOTE SET BELOW 10005A-1	JUN69 MAR71	5950-4098 NO IMPR REPL PROBE CABLE	SEP81 APR79	5950-4099	8L	01	08	01		
10005B		OPER NOTE	SEP74	5951-8770	DEC83	5951-8772	8L	01	08	01		
10005D		OPER NOTE	JUN76	5955-0186	DEC76	5955-0187	* 8L	01	08	01	USE 10005D FICHE 5955-4161	

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MODEL
NUMBER

10693A

10697A-056

10697A-057

10697B

10697B-056

10697B-057

10697C-S60

10697C-046

10698A

107AR

107BR

10708A

10708B

10712A

10714A

10722A

10727A

10729A

10740A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 7	
			*** DESCRIPTION ***					*** DESCRIPTION ***				
10005D		OPER NOTE OPER NOTE	MAR78 JAN80	5955-4160 5955-6263	MAY78 MAR80	5955-4161 5955-6264	* 8L	01	08	01	USE 10005D FICHE 5955-6264	
10006A		OPER NOTE SERV NOTE SET BELOW	JUN69	5950-4098	SEP81	5950-4099	8L	01	08	01		

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MODEL
NUMBER

10741A

10742A

	SERV NOTE SET BELOW 10005A-1	MAR71 WO IMPR REPL PROBE CABLE	APR79		
10005B	OPER NOTE	SEP74 5951-8770	DEC83 5951-8772	8L 01 08 01	
10005D	OPER NOTE	JUN76 5955-0186	DEC76 5955-0187	* 8L 01 08 01 USE 10005D FICHE 5955-4161	

10729A
10740A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 7
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
10005D		OPER NOTE OPER NOTE	MAR78 JAN80	5955-4160 5955-6263	MAY78 MAR80	5955-4161 5955-6264	* 8L	01	08	01	USE 10005D FICHE 5955-6264
10006A		OPER NOTE SERV NOTE SET BELOW 10006A-1	JUN69 MAR71	5950-4098 WO IMPR REPL PROBE CABLE	SEP81 APR79	5950-4099 PROBE CABLE	8L	01	08	01	
10006B		OPER NOTE	SEP74	5951-8770	DEC83	5951-8772	8L	01	08	01	
10006B-030		OPER NOTE	FEB73	10006-90902	NOV80	10006-90802	8L	01	08	01	
10006C		OPER NOTE	SEP71	5951-2658	OCT71	5951-2664		01	08	01	
10006D		OPER NOTE OPER NOTE OPER NOTE	JUN76 MAR78 JAN80	5955-0186 5955-4160 5955-6263	DEC76 MAY78 MAR80	5955-0187 5955-4161 5955-6264	* 8L	01	08	01	USE 10006D FICHE 5955-4161 USE 10006D FICHE 5955-6264
10007A		OPER NOTE MAN CHANGE	MAR71 JUN71	5951-1157 5951-1157	DEC81	5951-1158	8L	01	08	01	
10007B		OPER NOTE	MAR77	5955-2723	MAR77	5955-2724	8L	01	08	01	
10008A		OPER NOTE MAN CHANGE	MAR71 JUN71	5951-1157 5951-1157	DEC81	5951-1158	8L	01	08	01	
10008B		OPER NOTE	MAR77	5955-2723	MAR77	5955-2724	8L	01	08	01	
10009A		OPER NOTE	FEB67	10009-90901	APR81	10009-90801	8L	01	08	01	
1001		SERV NOTE SET BELOW 1000A-1	JAN75	WO IMPROVED STRUCTURAL RIGIDITY	MAY78						
10012A		OPER NOTE SERV NOTE SET BELOW 10012A-1	AUG70 MAR71	10012-90902 WO IMPR REPL PROBE CABLE	SEP70 APR79	10012-90802 PROBE CABLE		01	08	01	
10012B		OPER NOTE	SEP74	5951-8770	DEC83	5951-8772	8L	01	08	01	
10013A		OPER NOTE OPER NOTE	OCT74 FEB80	10013-90902 10013-90904	JAN75 APR80	10013-90802* 10013-90804		01	08	01	USE 10013A FICHE 10013-90804
10014A		OPER NOTE OPER NOTE OPER NOTE OPER NOTE OPER NOTE	MAR77 AUG79 FEB80 NOV74 SEP83	10014-90901 10014-90902 10014-90903 5951-8776 10014-90904	APR77 OCT79 APR80 JAN75 DEC83	10014-90801* 10014-90802* 10014-90803* 5951-8783 10014-90804	8L	01	08	01	USE 10014A FICHE 10014-90802 USE 10014A FICHE 10014-90803 USE 10014A FICHE 10014-90804
10015A		OPER NOTE	DEC75	10015-90901	JAN76	10015-90801	8L	01	08	01	
10016A		OPER NOTE	NOV74	5951-8776	JAN75	5951-8783		01	08	01	
10016B		OPER NOTE OPER NOTE OPER NOTE OPER NOTE	NOV78 FEB80 SEP83 DEC84	10016-90902 10016-90903 10016-90904 10016-90905	JAN79 APR80 DEC83 APR85	10016-90802* 10016-90803* 10016-90804 10016-90805	8L	01	08	01	USE 10016B FICHE 10016-90803 USE 10016B FICHE 10016-90804

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MODEL
NUMBER

10741A
10742A
10745A
10746A
10752A/B/C
10753A
10755A
10755B
10756A
10760A
10761A
10762A
10763A
10764A
10764B

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 8
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
10017A		OPER NOTE OPER NOTE OPER NOTE OPER NOTE OPER NOTE	FEB76 MAY77 FEB79 FEB80 MAY83	10017-90901 5955-2744 5955-5052 5955-6270 5957-4991	DEC76 JUL77 MAR79 APR80 SEP83	10017-90801* 5955-2745 5955-5053 5955-6271 5957-4992	8L	01	08	01	USE 10017A FICHE 5955-2745 USE 10017A FICHE 5955-5053 USE 10017A FICHE 5955-6271 USE 10017A FICHE 5957-4992

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10764C

10016B	OPER NOTE	NOV78 10016-90902	JAN79 10016-90802*	8L 01 08 01	USE 10016B FICHE 10016-90803
	OPER NOTE	FEB80 10016-90903	APR80 10016-90803*	8L 01 08 01	USE 10016B FICHE 10016-90804
	OPER NOTE	SEP83 10016-90904	DEC83 10016-90804	8L 01 08 01	
	OPER NOTE	DEC84 10016-90905	APR85 10016-90805	8L 01 08 01	

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10017A	OPER NOTE	FEB76 10017-90901	DEC76 10017-90801*	8L 01 08 01	USE 10017A FICHE 5955-2745
	OPER NOTE	MAY77 5955-2744	JUL77 5955-2745	* 8L 01 08 01	USE 10017A FICHE 5955-5053
	OPER NOTE	FEB79 5955-5052	MAR79 5955-5053	* 8L 01 08 01	USE 10017A FICHE 5955-6271
	OPER NOTE	FEB80 5955-6270	APR80 5955-6271	* 8L 01 08 01	USE 10017A FICHE 5957-4992
	OPER NOTE	MAY83 5957-4991	SEP83 5957-4992	8L 01 08 01	
10018A	OPER NOTE	MAY77 5955-2744	JUL77 5955-2745	* 8L 01 08 01	USE 10018A FICHE 5955-5053
	OPER NOTE	FEB79 5955-5052	MAR79 5955-5053	* 8L 01 08 01	USE 10018A FICHE 5955-6271
	OPER NOTE	FEB80 5955-6270	APR80 5955-6271	* 8L 01 08 01	USE 10018A FICHE 5957-4992
	OPER NOTE	MAY83 5957-4991	SEP83 5957-4992	8L 01 08 01	
10019A	OPER NOTE	JUN78 10019-90901	AUG78 10019-90801	8L 01 08 01	
1002	SERV NOTE SET BELOW		MAY78		
	1000A-1	JAN75	WO IMPROVED STRUCTURAL RIGIDITY		
1002A	OPER NOTE	OCT77 5955-2790	NOV77 5955-2791	8L 01 08 01	
1002B	OPER NOTE	OCT77 5955-2790	NOV77 5955-2791	8L 01 08 01	
10020A	OPER NOTE	APR75 10020-90905	JUN75 10020-90805*	01 08 01	USE 10020A FICHE 10020-90807
	OPER NOTE	NOV78 10020-90907	JAN79 10020-90807	8L 01 08 01	
10020A-001	OPER NOTE	NOV78 10020-90907	JAN79 10020-90807	8L 01 08 01	
10020F	OPER NOTE	NOV78 10020-90907	JAN79 10020-90807	8L 01 08 01	
10021A	OPER NOTE	MAY77 5955-2753	JUL77 5955-2754	8L 01 08 01	
10022A	OPER NOTE	MAY77 5955-2753	JUL77 5955-2754	8L 01 08 01	
10023A	OPER NOTE	JUN81 10023-90901	AUG81 10023-90801	8L 01 08 01	
	SERV NOTE SET BELOW		APR81		
	10023A-1	NOV80	WO ALL SER.MOD TO IMPR BATT LIFE & ELIM INCORRECT READINGS		
10025A	OPER NOTE	JAN69 5051-0103	AUG79 5955-5076	8L 01 08 01	
10026A	OPER NOTE	MAY77 5955-2746	JUL77 5955-2747	* 8L 01 08 01	USE 10026A FICHE 5957-2284
	OPER NOTE	JUL81 5957-2283	AUG81 5957-2284	8L 01 08 01	
10027A	OPER NOTE	MAY77 5955-2746	JUL77 5955-2747	* 8L 01 08 01	USE 10027A FICHE 5957-2284
	OPER NOTE	JUL81 5957-2283	AUG81 5957-2284	8L 01 08 01	
10028A	OPER NOTE	MAR78 10028-90901	MAY78 10028-90801	8L 01 08 01	
10029A	OPER NOTE	SEP81 5957-3218	NOV81 5957-3219	* 8L 01 08 01	USE 10029A FICHE 5957-4982
	OPER NOTE	DEC82 5057-4981	APR83 5957-4982	8L 01 08 01	
1003	SERV NOTE SET BELOW		MAY78		
	1000A-1	JAN75	WO IMPROVED STRUCTURAL RIGIDITY		
10030A	OPER NOTE	DEC82 10030-90901	FEB83 10030-90801	8L 01 08 01	
10035A	OPER NOTE	DEC76 10035-90901	FEB77 10035-90801*	8L 01 08 01	USE 10035A FICHE 10035-90803

10764C O M S 1
10780A O O M S 1
10781A O M
10783A O M
10791A I
10791B I
10791C I
10810A I A
10810B A
10811A O M
10811B O M S 1
10830A O M
10831A O M
10842A I
10855A O M
10857A O
10870A I
10905A I

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10035A	OPER NOTE	AUG81 10035-90903	OCT81 10035-90803	8L 01 08 01	
10036B	OPER NOTE	DEC77 5955-2798	JAN78 5955-2799	8L 01 08 01	
10037B	OPER NOTE	DEC77 5955-2798	JAN78 5955-2799	8L 01 08 01	
10038A	OPER NOTE	MAY71 10038-90901	SEP71 10038-90801	01 08 01	

10920A O M
10921-60004 O
10921A M M

10030A OPER NOTE DEC82 10030-90901 FEB83 10030-90801 8L 01 08 01
 10035A OPER NOTE DEC76 10035-90901 FEB77 10035-90801* 8L 01 08 01 USE 10035A FICHE 10035-90803

10870A IN
 10905A IN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	PAGE 9
10035A		OPER NOTE	AUG81	10035-90903	OCT81	10035-90803	8L	01	08	01	
10036B		OPER NOTE	DEC77	5955-2798	JAN78	5955-2799	8L	01	08	01	
10037B		OPER NOTE	DEC77	5955-2798	JAN78	5955-2799	8L	01	08	01	
10038A		OPER NOTE	MAY71	10038-90901	SEP71	10038-90801		01	08	01	
1004		SERV NOTE SET BELOW 1000A-1	JAN75	WO IMPROVED STRUCTURAL RIGIDITY	OCT78						
1004A		OPER NOTE	OCT77	5955-2790	NOV77	5955-2791	8L	01	08	01	
10040A		OPER NOTE	MAY77	5955-2744	JUL77	5955-2745	*	8L	01	08	01
		OPER NOTE	FEB79	5955-5052	MAR79	5955-5053	*	8L	01	08	01
		OPER NOTE	FEB80	5955-6270	APR80	5955-6271	*	8L	01	08	01
		OPER NOTE	MAY83	5957-4991	SEP83	5957-4992		8L	01	08	01
10041A		OPER NOTE	MAY77	5955-2744	JUL77	5955-2745	*	8L	01	08	01
		OPER NOTE	FEB79	5955-5052	MAR79	5955-5053	*	8L	01	08	01
		OPER NOTE	FEB80	5955-6270	APR80	5955-6271	*	8L	01	08	01
		OPER NOTE	MAY83	5957-4991	SEP83	5957-4992		8L	01	08	01
10042A		OPER NOTE	MAY77	5955-2744	JUL77	5955-2745	*	8L	01	08	01
		OPER NOTE	FEB79	5955-5052	MAR79	5955-5053	*	8L	01	08	01
		OPER NOTE	FEB80	5955-6270	APR80	5955-6271	*	8L	01	08	01
		OPER NOTE	MAY83	5957-4991	SEP83	5957-4992		8L	01	08	01
10050A		OPER NOTE	JAN78	5955-2787	APR78	5955-2788		8L	01	D2	01
10051A		OPER NOTE	JAN78	5955-2787	APR78	5955-2788		8L	01	D2	01
10059A		MOD KIT	JAN79	10059-90901	JUN81	10059-90801		8L	01	D2	01
10030A		OPER NOTE	OCT77	10060-90901	JAN78	10060-90801*		8L	01	D2	01
		OPER NOTE	MAY79	10060-90902	JUN79	10060-90802		8L	01	D2	01
10066A		OPER NOTE	MAR81	10066-90902	AUG81	10066-90802		8L	01	D2	01
10069A		OP & SERV MAN SUPP	JUL79	01615-90903	AUG79	01615-90803		8L	01	D2	01
1007A		OPER NOTE	OCT77	5955-2782	DEC77	5955-2783	*	8L	01	08	01
		OPER NOTE	JUL78	5955-4193	AUG78	5955-4194	*	8L	01	08	01
		OPER NOTE	NOV79	5955-6247	FEB80	5955-6248	*	8L	01	08	01
		OPER NOTE	JAN82	5957-3269	MAR82	5957-3270		8L	01	08	01
1008A		OPER NOTE	OCT77	5955-2782	DEC77	5955-2783	*	8L	01	08	01
		OPER NOTE	JUL78	5955-4193	AUG78	5955-4194	*	8L	01	08	01
		OPER NOTE	NOV79	5955-6247	FEB80	5955-6248	*	8L	01	08	01
		OPER NOTE	JAN82	5957-3269	MAR82	5957-3270		8L	01	08	01
10080A		OPER NOTE	MAR81	5955-5054	MAY81	5955-5055		8L	01	08	01
10081A		OPER NOTE	MAR81	5955-5054	MAY81	5955-5055		8L	01	08	01

11/08/85 MODEL NUMBER	O C	
10920A		OPE MAN
10921-60004		OPE
10921A		MOD MAN
10960A		INS
110A		INS
11000A		OPE
11001A		OPE
11002A		OPE
11003A		OPE
11004A		OPE
11005A		OPE OPE
11028A		OPE
1103A		OPE MAN
11035A		OPE
11036A		OPE
11039A		OPE
1104A		OPE SER 110
11040A		OPE
11044A		OPE
11045A		OPE
11046A		OPE OPE
11047A		OPE
11049A		OPE OPE OPE

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	PAGE 10
10082A		OPER NOTE	MAR81	5955-5054	MAY81	5955-5055	8L	01	08	01	
10085A		OPER NOTE	OCT83	10085-90901	DEC83	10085-90801	8L	01	08	01	
10090A		OPER NOTE	OCT71	5951-2645	AUG79	5955-5075	8L	01	08	01	
10091A		OPER NOTE	OCT71	5951-2645	AUG79	5955-5075	8L	01	08	01	

11/08/85 MODEL NUMBER	O C	
11049A		OPE
1105A		OPE OPE SERV 110
11050A		OPE

10081A

OPER NOTE

MAR81 5955-5054

MAY81 5955-5055

8L 01 08 01

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	PAGE 10
10082A		OPER NOTE	MAR81	5955-5054	MAY81	5955-5055	8L	01	08	01	
10085A		OPER NOTE	OCT83	10085-90901	DEC83	10085-90801	8L	01	08	01	
10090A		OPER NOTE	OCT71	5951-2645	AUG79	5955-5075	8L	01	08	01	
10091A		OPER NOTE	OCT71	5951-2645	AUG79	5955-5075	8L	01	08	01	
10092A		OPER NOTE	OCT71	5951-2645	AUG79	5955-5075	8L	01	08	01	
101		OPER & SERV MAN SERV NOTE SET BELOW 101-1	JUN66	00101-91312	MAY79	00101-91362	8L	01	11	01	
			APR67	SER BELOW 531	MAY78	REC PWR SUPPLY REPL					
101A		OPER & SERV MAN MAN CHANGE	JUN66	00101-9001	APR71	00101-9002		01	02	02	
			JUL67	00101-9001							
10100B		OPER NOTE	APR81	10100-90904	JUL81	10100-90804	8L	01	08	01	
10100C		OPER NOTE	AUG71	10100-90901	OCT71	10100-90801*		01	08	01	USE 10100C FICHE 10100-90805
		OPER NOTE	JUN81	10100-90905	AUG81	10100-90805	8L	01	08	01	
10101A		OPER NOTE	OCT70	10101-90901	OCT70	10101-90801		01	08	01	
10101B		OPER NOTE	MAR77	10101-90903	APR77	10101-90803*	8L	01	08	01	USE 10101B FICHE 10101-90804
		OPER NOTE	FEB78	10101-90904	APR78	10101-90804	8L	01	08	01	
10103A		OPER NOTE	NOV70	10103-90901	JUL72	10103-90801*		01	08	01	USE 10103A FICHE 10103-90802
		OPER NOTE	APR72	10103-90902	APR81	10103-90802	8L	01	08	01	
10103B		OPER NOTE	OCT74	10103-90906	SEP85	10103-90806	8L	01	08	01	
10105A		INSTALL INSTRUCT	OCT70	10105-90901	NOV70	10105-90801		01	08	01	
10133A		OPER NOTE	OCT70	10133-90901	NOV70	10133-90801		01	08	01	
10164B		OPER NOTE	APR75	10164-90904	MAY75	10164-90804*		01	08	01	USE 10164B FICHE 10164-90805
		OPER NOTE	SEP76	10164-90905	OCT83	10164-90805	8L	01	08	01	
10166A		OPER NOTE	JUL78	10166-90903	SEP78	10166-90803	8L	01	08	01	
10169A		OPER NOTE MAN CHANGE	JAN70	10169-90902	DEC71	10169-90802		01	08	01	
			APR70	10169-90902							
10184A		OPERATORS GUIDE	AUG78	10184-90901	JAN79	10184-90801	8L	01	08	01	FOR 9825A WITH 1350A
10186A		OPER MAN	NOV82	10186-90901	JAN83	10186-90801	8L	01	08	01	
10190A		OPER NOTE	SEP71	10190-90902	NOV71	10190-90802		01	08	01	
10200B		OPER NOTE	NOV65	10200-99001	AUG81	10200-99101	8L	01	08	01	
10202B		OPER NOTE	JAN00	5950-0563	AUG81	5950-0564	8L	01	08	01	
10203A		OPER NOTE	JAN00	5950-0563	AUG81	5950-0564	8L	01	08	01	

11/08/85 MODEL NUMBER	O C
11049A	OPER
1105A	OPER OPER SERV 1105
11050A	OPER OPER OPER OPER OPER
11051A	OPER OPER OPER OPER
11056A	OPER OPER
11057A	OPER
1106A	OPER
1106A/B	SERV 1106
1106B	OPER OPER
11066A	OPER
1107A	OPER
11074A	OPER
11075A	OPER OPER
11076A	OPER OPER
1108A	OPER OPER OPER SERV 1106
11086A	OPER
1109B	OPER OPER

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	PAGE 11
10204B		SERV NOTE SET BELOW 10204B-1A			JAN79	MOD TO INCR BANDPASS & RED OVERSHOOT					
10208A		OPER NOTE	NOV67	10209-99001	AUG81	10209-99101	8L	01	08	01	
10209A		OPER NOTE	NOV67	10209-99001	AUG81	10209-99101	8L	01	08	01	
10212A		SERV NOTE SET BELOW 10212A-1	MAY44		JAN79	MOD TO INCR BANDPASS & RED OVERSHOOT					

11/08/85 MODEL NUMBER	O C
11096B	OPER OPER
11097A	OPER
11098A	OPER
1110A	OPER

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 11
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10204B SERV NOTE SET BELOW 10204B-1A JAN79 MOD TO INCR BANDPASS & RED OVERSHOOT

10208A OPER NOTE NOV67 10209-99001 AUG81 10209-99101 8L 01 08 01

10209A OPER NOTE NOV67 10209-99001 AUG81 10209-99101 8L 01 08 01

10212A SERV NOTE SET BELOW 10212A-1 MAY64 MOD TO IMPR RISE TIME & RED OVERSHOOT JAN79

10213A OPER NOTE JAN00 10213-99001 AUG81 10213-99101 8L 01 08 01

10214A OPER NOTE JUL68 10214-90902 AUG81 10214-90802 8L 01 08 01

10215A OPER NOTE SEP68 10215-90901 MAR79 10215-90801 8L 01 08 01

10216A OPER NOTE MAY70 10216-90902 SEP70 10216-90802 01 08 01

10226A OPER NOTE JAN00 10226-99001 APR81 10226-99002 8L 01 08 01

10227A OPER NOTE JAN00 10227-99001 APR81 10227-99002 8L 01 08 01

10228A OPER NOTE SEP68 10228-90901 APR81 10228-90801 8L 01 08 01

10230A OPER NOTE JUL73 10230-90901 SEP73 10230-90801* 8L 01 D2 01 USE 10230A FICHE 10230-90802
 OPER NOTE DEC73 10230-90902 JUN83 10230-90802 8L 01 08 01

10230A/B SERV NOTE SET BELOW 10230A/B-10231A/B-1 10230B-1 DEC74 W3 FIELD REPAIR KIT.SUPER 1601A-2 JAN79
 FEB76 W0 10230B CLOCK PROBE ACCESSY.MOD TO IMPR LOW LEVEL THRESHLD REC HIGH LEVEL INPUT SIG

10230B OPER NOTE JAN76 10230-90905 JUN83 10230-90805 8L 01 08 01

10230C OPER NOTE JUN79 10230-90908 JUL79 10230-90808* 8L 01 D2 01 USE 10230C FICHE 10230-90810
 OPER NOTE JUL80 10230-90910 DEC80 10230-90810 8L 01 D2 01

10231A OPER NOTE JUL73 10231-90901 AUG73 10231-90801* 8L 01 D2 01 USE 10231B FICHE 10231-90803

10231A/B SERV NOTE SET BELOW 10230A/B-10231A/B-1 DEC74 WN FIELD REPAIR KIT.SUPER 1601A-2 JAN79

10231B OPER NOTE AUG74 10231-90903 MAY83 10231-90803 8L 01 D2 01
 MAN CHANGE MAR75 10231-90903

10231C OPER NOTE OCT76 10231-90906 DEC76 10231-90806* 8L 01 08 01 USE 10231C FICHE 10231-90807
 OPER NOTE FEB77 10231-90907 MAR77 10231-90807* 8L 01 08 01 USE 10231C FICHE 10231-90808
 OPER NOTE JUL78 10231-90908 AUG78 10231-90808* 8L 01 08 01 USE 10231C FICHE 10231-90809
 OPER NOTE NOV80 10231-90909 JUN81 10231-90809 8L 01 D2 01

10233A OPER NOTE APR74 10233-90901 SEP74 10233-90801 01 08 01

10235A OPER NOTE AUG75 10235-90901 SEP75 10235-90801* 8L 01 08 01 USE 10235A FICHE 10235-90008
 OPER NOTE JAN82 10235-90007 SEP83 10235-90008 8L 01 38 01

11/08/85 MODEL NUMBER O C L
 11096B OPER N
 OPER N
 11097A OPER N
 11098A OPER N
 1110A OPER N
 1110B OPER N
 OPER N
 1111A OPER N
 MAN CH
 OPER N
 SERV N
 1111A-
 1112A OPER N
 MAN CH
 11122A OPER N
 11129A OPER N
 11133A OPER N
 11133A-C02 OPER N
 11135A OPER N
 11136A OPER N
 11137B OPER N
 1114A OPER N
 SERV N
 1114A-
 11145A OPER N
 11146A OPER N
 MAN CH
 SERV N
 11146A
 11151B OPER N
 11152A OPER N
 1116A OPER N
 SERV N
 1116A-
 1117B OPER N

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 12
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10240A OPER NOTE JAN68 10240-99001 APR81 10240-99002 8L 01 08 01
 MAN CHANGE OCT69 10240-99001

10240B OPER NOTE JAN69 10240-90902 DEC70 10240-90802 01 08 01

10241A OPER NOTE MAR71 10241-90902 OCT85 10241-90802 8L 01 08 01

10242A OPER NOTE AUG71 10242-90902 OCT85 10242-90802 8L 01 08 01

10243A OPER NOTE AUG71 10243-90902 OCT85 10243-90802 8L 01 08 01

11/08/85 MODEL NUMBER O C L
 1118A OPER N
 11187C OPER N
 1119A OPER N
 1119B OPER N
 1119C OPER N

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
10240A		OPER NOTE MAN CHANGE	JAN68 OCT69	10240-99001 10240-99001	APR81	10240-99002	8L	01	08	01	
10240B		OPER NOTE	JAN69	10240-90902	DEC70	10240-90802		01	08	01	
10241A		OPER NOTE	MAR71	10241-90902	OCT85	10241-90802	8L	01	08	01	
10242A		OPER NOTE	AUG71	10242-90902	OCT85	10242-90802	8L	01	08	01	
10243A		OPER NOTE	AUG71	10243-90902	OCT85	10243-90802	8L	01	08	01	
10247A		OPER NOTE OPER NOTE	JUN77 NOV80	10247-90901 10247-90903	SEP77 JUN81	10247-90801* 10247-90803	8L	01	08	01	USE 10247A FICHE 10247-90803
10248A		OPER NOTE OPER NOTE	JUN77 MAY78	10248-90901 10248-90904	SEP77 AUG78	10248-90801* 10248-90804	8L	01	08	01	USE 10248A FICHE 10248-90804
10248B		OPER NOTE	MAR78	10248-90903	APR78	10248-90803	8L	01	D2	01	
10248C		OPER NOTE	SEP79	10248-90905	JUN81	10248-90805	8L	01	D2	01	
10250A		OPER NOTE OPER NOTE	FEB74 MAY78	10250-90901 10250-90902	MAR74 AUG78	10250-90801* 10250-90802		01	08	01	USE 10250A FICHE 10250-90802
10251A		OPER NOTE OPER NOTE	JUN74 NOV74	10251-90901 10251-90902	JUN75 JUL80	10251-90801* 10251-90802		01	08	01	USE 10251A FICHE 10251-90802
10252A		OPER NOTE OPER NOTE	MAR74 OCT74	10252-90901 10252-90902	APR74 OCT80	10252-90801* 10252-90802		01	08	01	USE 10252A FICHE 10252-90802
10253A		OPER NOTE	NOV75	10253-90901	JAN76	10253-90801	8L	01	D2	01	
10254A		OPER NOTE OPER NOTE OPER NOTE	MAR77 AUG78 JAN80	10254-90902 10254-90903 10254-90904	APR77 OCT78 JUN81	10254-90802* 10254-90803* 10254-90804	8L	01	08	01	USE 10254A FICHE 10254-90803 USE 10254A FICHE 10254-90804
10257A		OP & SERV MAN SUPP	JAN77	10257-90901	MAR77	10257-90801	8L	01	D2	01	
10257B		OP & SERV MAN SUPP OP & SERV MAN SUPP OP & SERV MAN SUPP OPER/SERV MAN SUPP MAN CHANGE	DEC78 JUL79 FEB80 MAY81 AUG81	10257-90904 10257-90905 10257-90906 10257-90907 10257-90907	FEB79 MAR80 DEC80 APR82	10257-90804* 10257-90805* 10257-90806* 10257-90807	8L	01	08	02	USE 10257B FICHE 10257-90805 USE 10257B FICHE 10257-90806 USE 10257B FICHE 10257-90807
10258A		OP & SERV MAN SUPP	FEB77	10258-90901	MAR77	10258-90801	8L	01	D2	01	
10258B		OPER/SERV MAN SUPP OP & SERV MAN SUPP OP & SERV MAN SERV NOTE SET BELOW 10258B-1	DEC78 SEP79 AUG80 MAY78	10258-90903 10258-90904 10258-90905 NO REC MOD TO	JAN79 DEC80 DEC80 JAN79	10258-90803* 10258-90804* 10258-90805	8L	01	08	02	USE 10258B FICHE 10258-90804 USE 10258B FICHE 10258-90805
10259A		OPER/SERV MAN SUPP	NOV78	10259-90901	JAN79	10259-90801	8L	01	D2	02	
10260A		OPER/SERV MAN SUPP	SEP78	10260-90901	JAN79	10260-90801*	8L	01	08	02	USE 10260A FICHE 10260-90802

11/08/85 MODEL NUMBER	O C	LIT
1118A		OPER NO
11187C		OPER NO
1119A		OPER NO
1119B		OPER NO
1119C		OPER NO
1119D		OPER NO
112B		OPER &
1120A		OPER NO MAN CHA
1121A		OPER NO OPER NO MAN CHA SERV NO 1121A-1
1123A		OPER & MAN CHA
11237A		OPER NO
11238A		OPER NO
11238B		OPER NO
11238C		OPER NO
11239A		OPER NO
11239B		OPER NO OPER NO
11239C		OPER NO
1124A		OPER NO OPER NO
11240A		OPER NO
1125A		OPER NO OPER NO
11253A		SERV NO 11253A-
11253B		SERV NO 11253B-

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
10260A		OPER/SERV MAN SUPP MAN CHANGE SERV NOTE SET BELOW 10260A-1	SEP79 JUN80 NOV82	10260-90902 10260-90902	SEP80 APR83	10260-90802	8L	01	D2	02	WA SER 1838A00864 & BELOW.MOD TO CORRECT PEXCK TIMING PROB
10261A		OPER/SERV MAN SUPP	OCT78	10261-90902	JAN79	10261-90802	8L	01	D2	02	
10262A		OPER & SERV MAN SUP MAN CHANGE SERV NOTE SET BELOW 10262A-1	JUL78 JUL79 DEC78	10262-90902 10262-90902	AUG81 APR79	10262-90802	8L	01	D2	02	WA SER 1818A00511 & BELOW.MOD FOR INPUT SIGNAL THRESHOLD DETECTION.
10263A		OP & SERV MAN SUPP	MAY78	10263-90901	DEC80	10263-90801*	8L	01	08	01	USE 10263A FICHE 10263-90802

11/08/85 MODEL NUMBER	O C	LIT
113AR		OPER & S MAN CHAN MAN CHAN
113AR/BR		SERV NOT 113A-1
113BR		OPER & S MAN CHAN
113BR-H02		OPER & S MAN CHAN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 13
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
10260A		OPER/SERV MAN SUPP MAN CHANGE SERV NOTE SET BELOW 10260A-1	SEP79 JUN80 NOV82	10260-90902 10260-90902 WA SER 1838A00864 & BELOW	SEP80 APR83 MOD TO CORRECT PEXCK TIMING PROB	10260-90802	8L	01	D2	02	
10261A		OPER/SERV MAN SUPP	OCT78	10261-90902	JAN79	10261-90802	8L	01	D2	02	
10262A		OPER & SERV MAN SUP MAN CHANGE SERV NOTE SET BELOW 10262A-1	JUL78 JUL79 DEC78	10262-90902 10262-90902 WA SER 1818A00511 & BELOW	AUG81 APR79 MOD FOR INPUT SIGNAL THRESHOLD DETECTION.	10262-90802	8L	01	D2	02	
10263A		OP & SERV MAN SUPP OP & SERV MAN SUPP	MAY78 AUG80	10263-90901 10263-90902	DEC80 JUN81	10263-90801* 10263-90802	8L	01	08	01	USE 10263A FICHE 10263-90802
10264A		OP & SERV MAN SUPP OP & SERV MAN SUPP MAN CHANGE SERV NOTE SET BELOW 10264A-1	MAY79 DEC79 AUG81 JUL79	10264-90901 10264-90902 10264-90902 WO MOD TO PREVENT RANDOMLY INCORRECT TRIGGERING.	JUL79 SEP81 OCT79 MOD TO PREVENT RANDOMLY INCORRECT TRIGGERING.	10264-90801* 10264-90802	8L	01	08	02	USE 10264A FICHE 10264-90802
10266A		OPER/SERV MAN SUPP MAN CHANGE SERV NOTE SET BELOW 10266A-1	MAY81 FEB83 JUN82	10266-90901 10266-90901 WA SER 2227A & BELOW	MAY83 OCT82 OPT A09.NEW A9 PERSONAL BD TO CORREC SYNC	10266-90801	8L	01	D2	02	
10269A		SERV BREIF OPER NOTE SERV NOTE SET BELOW 10269A/072-1	DEC82 MAY84 FEB84	10269-90901 10269-90906 WA SER 00101 THRU 00148	APR83 JUN84 JUL84 INCORRECT DISASSY	10269-90801 10269-90806	8L	01	D2	01	
10269B		OPER NOTE	MAY84	10269-90906	JUN84	10269-90806	8L	01	08	01	
10275A		OPER NOTE OPER NOTE SERV NOTE SET BELOW 10275A-1	JAN79 OCT80 MAY82	10275-90902 10275-90903 WA ALL MODELS SHIP PRIOR TO 3/22/82	MAR79 JUN81 OCT82 MOD TO CORRECT MONITOR SELECT SW S1 FAILURE	10275-90802* 10275-90803	8L	01	08	01	USE 10275A FICHE 10275-90803
10276A		OPER NOTE OPER NOTE OPER NOTE	NOV78 APR80 AUG82	10276-90901 10276-90902 10276-90903	JAN79 JUN80 OCT82	10276-90801* 10276-90802* 10276-90803	8L	01	08	01	USE 10276A FICHE 10276-90802 USE 10276A FICHE 10276-90803
10277A		OPER NOTE OPER NOTE OPER NOTE OPER NOTE	JUL78 FEB79 SEP80 JUL81	10277-90902 10277-90903 10277-90905 10277-90906	AUG78 MAR79 JUN81 AUG81	10277-90802* 10277-90803* 10277-90805* 10277-90806	8L	01	08	01	USE 10277A FICHE 10277-90803 USE 10277A FICHE 10277-90805 USE 10277A FICHE 10277-90805
10277B		OPER NOTE OPER NOTE OPER NOTE OPER NOTE	JUL78 FEB79 SEP80 JUL81	10277-90902 10277-90903 10277-90905 10277-90906	AUG78 MAR79 JUN81 AUG81	10277-90802* 10277-90803* 10277-90805* 10277-90806	8L	01	08	01	USE 10277B FICHE 10277-90803 USE 10277B FICHE 10277-90805 USE 10277B FICHE 10277-90805
10277C		OPER NOTE OPER NOTE OPER NOTE	JUL78 FEB79 SEP80	10277-90902 10277-90903 10277-90905	AUG78 MAR79 JUN81	10277-90802* 10277-90803* 10277-90805*	8L	01	08	01	USE 10277C FICHE 10277-90803 USE 10277C FICHE 10277-90805 USE 10277C FICHE 10277-90805

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
113AR		OPER & SE MAN CHANG MAN CHANG
113AR/BR		SERV NOTE 113A-1
113BR		OPER & SE MAN CHANG
113BR-H02		OPER & SE MAN CHANG
11353A		REF MAN
11356A		OPER NOTE
114B		SERV NOTE 114B-1
114BR		OPER & SE MAN CHANG MAN CHANG
11405A		OPER MAN
11440A		OPER & SE OPER & SE
11441A		OPER NOTE OPER MAN
11452A		OPER NOTE
11453A		REF MAN
11453A/B/C		SERV NOTE 11453A/B/C
11453B		REF MAN
11473A		OPER NOTE
11473B		OPER NOTE
11474A		OPER NOTE
11475A		OPER NOTE
11476A		OPER NOTE
11477A		OPER NOTE INSTALL M

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 14
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
10277C		OPER NOTE	JUL81	10277-90906	AUG81	10277-90806	8L	01	D2	01	
10277D		OPER NOTE	JUL80	10277-90904	SEP80	10277-90804	8L	01	D2	01	
10278A		OPER NOTE	OCT79	10278-90901	JUN81	10278-90801	8L	01	D2	01	
10278B		OPER NOTE	JUL81	10278-90902	NOV81	10278-90802	8L	01	D2	01	
10279A		OPER NOTE OPER NOTE	FEB80 AUG80	10279-90901 10279-90902	JUN80 DEC80	10279-90801* 10279-90802	8L	01	08	01	USE 10279A FICHE 10279-90802
10280A		OPER NOTE OPER NOTE MAN CHANGE	FEB80 SEP80 JAN81	10280-90901 10280-90902 10280-90902	JUN80 AUG81	10280-90801* 10280-90802	8L	01	08	01	USE 10280A FICHE 10280-90802

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
11478A		OPER NOTE
115AR		OPER & SE MAN CHANG
115BR		OPER & SE SERV NOTE H20-115BR- 115BR-1 115BR-2
115CR		OPER & SE MAN CHANG

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 14

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10277C	OPER NOTE	JUL81	10277-90906	AUG81	10277-90806	8L	01	D2	01	
10277D	OPER NOTE	JUL80	10277-90904	SEP80	10277-90804	8L	01	D2	01	
10278A	OPER NOTE	OCT79	10278-90901	JUN81	10278-90801	8L	01	D2	01	
10278B	OPER NOTE	JUL81	10278-90902	NOV81	10278-90802	8L	01	D2	01	
10279A	OPER NOTE OPER NOTE	FEB80 AUG80	10279-90901 10279-90902	JUN80 DEC80	10279-90801* 10279-90802	8L 8L	01 01	08 D2	01 01	USE10279A FICHE 10279-90802
10280A	OPER NOTE OPER NOTE MAN CHANGE	FEB80 SEP80 JAN81	10280-90901 10280-90902 10280-90902	JUN80 AUG81	10280-90801* 10280-90802	8L 8L	01 01	08 D2	01 01	USE 10280A FICHE 10280-90802
10281A	MAN SUPP	JUN79	10281-90902	SEP80	10281-90802*	8L	01	38	01	USE 1640B-001 FICHE 10281-90803
10282A	INSTALL & SERV MAN	JUL81	10282-90904	AUG81	10282-90804	8L	01	38	01	
10283A	INSTALL & SERV MAN	JAN81	10283-90904	JUN81	10283-90804	8L	01	38	01	
10284A	OPER NOTE OPER NOTE	JUN79 AUG79	10284-90902 10284-90903	JUL79 JUN81	10284-90802* 10284-90803	8L 8L	01 01	08 38	01 01	USE 10284A FICHE 10284-90803
10285A	OPER NOTE	SEP80	10285-90902	JUN81	10285-90802	8L	01	D2	01	
10286A	INSTALL & SERV MAN SERV NOTE SET BELOW 10286A-1	MAR81 NOV81	10286-90901 WN ALL UNITS	JUN81 APR82	10286-90801 CLARIFICATION OF OPER INSTRUCTIONS	8L	01	38	01	
10287A	OPER NOTE OPER NOTE	FEB81 FEB83	10287-90901 10287-90902	JUN81 SEP83	10287-90801* 10287-90802	8L 8L	01 01	38 38	01 01	USE 10287A FICHE 10287-90802
10288A	INSTALL & SERV MAN MAN CHANGE	SEP80 FEB81	10288-90901 10288-90901	JUL81	10288-90801	8L	01	38	01	
10289A	USER INSTRUCT	JAN00	10289-90902	AUG81	10289-90802	8L	01	38	01	
10291A	OPER NOTE	MAY80	10291-90902	SEP80	10291-90802	8L	01	38	01	
10291B	OPER NOTE	MAY80	10291-90902	SEP80	10291-90802	8L	01	38	01	
10291B-001	OPER GUIDE MAN CHANGE	AUG80 FEB81	10291-90903 10291-90903	JUL81	10291-90803	8L	01	38	01	
10292A	SOFTWARE LIB	JAN00	10292-90901	OCT80	10292-90801	8L	01	08	01	FOR 1640A/B & 9825A
10299A	OPER NOTE	JUN78	10299-90901	MAY80	10299-90801	8L	01	08	01	
103AR	OPER & SERV MAN MAN CHANGE MAN CHANGE SERV NOTE SET BELOW 103AR-1 103AR/104AR-2	JAN62 FEB64 MAY62 - MAY65	103A-900 103A-900 103A-900 SER BELOW 115-0021. ALL SERIALS.REPL OF DIODE CR301	OCT71	00103-9001			01	02 02	

11/08/85 MODEL NUMBER O C LITERATURE TYPE

11478A	OPER NOTE		
115AR	OPER & SERV MAN CHANGE		
115BR	OPER & SERV SERV NOTE H20-115BR- 115BR-1 115BR-2		
115CR	OPER & SERV MAN CHANGE		
1150A	OPER & SERV SERV NOTE 28036-1		
11509A	OPER & SERV		
11517A	OPER NOTE		
11518A	OPER NOTE		
11519A	OPER NOTE		
11520A	OPER NOTE		
11521A	OPER NOTE		
11530A	OPER NOTE		
11531A	OPER & SERV MAN CHANGE SERV NOTE 11531A-1		
11549A	OPER MAN		
11553A	OPER & SERV		
11574A	OPER MAN		
11575A	INSTALL MA		
11581A	OPER & SERV OPER & SERV OPER & SERV		
11582A	OPER & SERV OPER & SERV OPER & SERV		

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 15

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

10300C	OPER NOTE	AUG84	10300-90902	SEP84	10300-90802	8L	01	08	01	
10301B	OPER NOTE	MAY84	10301-90901	JUL84	10301-90801	8L	01	08	01	
10301C	OPER NOTE	AUG84	10301-90902	SEP84	10301-90802	8L	01	08	01	
10302B	OPER NOTE	MAY84	10302-90901	JUL84	10302-90801	8L	01	08	01	
10302C	OPER NOTE	AUG84	10302-90902	SEP84	10302-90802	8L	01	08	01	
10303B	OPER NOTE	MAY84	10303-90901	JUL84	10303-90801	8L	01	08	01	
10303C	OPER NOTE	AUG84	10303-90902	SEP84	10303-90802	8L	01	08	01	
10304B	OPER NOTE	MAY84	10304-90901	JUN84	10304-90801	8L	01	08	01	

11/08/85 MODEL NUMBER O C LITERATURE TYPE

11583A	OPER & SERV OPER & SERV OPER & SERV		
11588A	OPER NOTE		
11589A	OPER NOTE SERV NOTE S 11589A-1		
11590A	OPER NOTE		
11591A	OPER NOTE OPER NOTE		

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DATEFICHE PART
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M P D P L T V G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
10300C		OPER NOTE	AUG84	10300-90902	SEP84	10300-90902	8L 01 08 01					
10301B		OPER NOTE	MAY84	10301-90901	JUL84	10301-90801	8L 01 08 01					
10301C		OPER NOTE	AUG84	10301-90902	SEP84	10301-90802	8L 01 08 01					
10302B		OPER NOTE	MAY84	10302-90901	JUL84	10302-90801	8L 01 08 01					
10302C		OPER NOTE	AUG84	10302-90902	SEP84	10302-90802	8L 01 08 01					
10303B		OPER NOTE	MAY84	10303-90901	JUL84	10303-90801	8L 01 08 01					
10303C		OPER NOTE	AUG84	10303-90902	SEP84	10303-90802	8L 01 08 01					
10304B		OPER NOTE	MAY84	10304-90901	JUN84	10304-90801	8L 01 08 01					
10304C		OPER NOTE	AUG84	10304-90902	SEP84	10304-90802	8L 01 08 01					
10305B		OPER NOTE	MAY84	10305-90901	JUL84	10305-90801	8L 01 08 01					
10305C		OPER NOTE	AUG84	10305-90902	SEP84	10305-90802	8L 01 08 01					
10306B		OPER NOTE SERV NOTE SET BELOW 10306B/C-1 10306B/C-2	MAY84	10306-90901	JUL84	10306-90801	8L 01 08 01					
			SEP84	WA SER 2421A & BELOW	APR85			MOD TO PREV MULTIPLE RESETS DURNING PWR-UP				
			NOV84	WA SER 2421A & BELOW				INPROPER ALE SIG GEN				
10306C		SERV NOTE SET BELOW 10306B/C-1 10306B/C-2			APR85							
			SEP84	WA SER 2421A & BELOW				MOD TO PREV MULTIPLE RESETS DURNING PWR-UP				
			NOV84	WA SER 2421A & BELOW				INPROPER ALE SIG GEN				
10307B		OPER NOTE	MAY84	10307-90901	JUL84	10307-90801	8L 01 08 01					
10308B		OPER NOTE	MAY84	10308-90901	JUL84	10308-90801	8L 01 08 01					
10309B		OPER NOTE	JUN84	10309-90901	JUL84	10309-90801	8L 01 08 01					
10310B		OPER NOTE	MAY84	10310-90901	JUL84	10310-90801	8L 01 08 01					
10310C		OPER NOTE	AUG84	10310-90902	OCT84	10310-90802	8L 01 08 01					
10311B		OPER NOTE	MAY84	10311-90901	JUL84	10311-90801	8L 01 08 01					
10311C		OPER NOTE	AUG84	10311-90902	OCT84	10311-90802	8L 01 08 01					
10312C		OPER NOTE	AUG84	10312-90902	OCT84	10312-90802	8L 01 08 01					
10320A		OPER NOTE	MAY84	5958-3703	OCT84	5958-3704	8L 01 08 01					
10321A		OPER NOTE	MAY84	5958-3703	OCT84	5958-3704	8L 01 08 01					
10322A		OPER NOTE	MAY84	10322-90901	JUL84	10322-90801	8L 01 08 01					
10323A		OPER NOTE	MAY84	10323-90901	JUL84	10323-90801	8L 01 08 01					

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
11583A		OPER & SERV OPER & SERV OPER & SERV OPER & SERV
11588A		OPER NOTE
11589A		OPER NOTE SERV NOTE SET 11589A-1
11590A		OPER NOTE
11591A		OPER NOTE OPER NOTE
11592A		OPER NOTE SERV NOTE SET 11592A-1 11592A-2
11592B		OPER NOTE
11593A		OPER NOTE
116		OPER & SERV
116AR		OPER & SERV MAN CHANGE
11600B		OPER & SERV MAN CHANGE
11602B		OPER & SERV MAN CHANGE
11604A		OPER NOTE
11605A		OPER NOTE MAN CHANGE
11607A		OPER NOTE MAN CHANGE
11608A		OPER NOTE OPER NOTE MAN CHANGE
11612A		OPER & SERV
11635A		OPER NOTE MAN CHANGE
11652A		OPER NOTE

10324A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***	DESCRIPTION ***
10324A		OPER NOTE	MAY84	10324-90901	JUL84	10324-90801	8L	01	08	01		
10326A		OPER & SERV MAN	JUL82	10326-90901	SEP82	10326-90801	8L	01	08	02		
10342C		OPER NOTE	AUG85	10342-90902	OCT85	10342-90802	8L	01	08	01		
10365A		OPER NOTE MAN CHANGE	APR70 APR71	10365-90901 10365-90901	JUL72	10365-90801		01	08	01		
10366A		OPER NOTE	NOV70	10366-90901	FEB71	10366-90801		01	08	01		
10366B		OPER NOTE	APR71	10366-90903	SEP65	10366-90803	8L	01	08	01		
10367A		OPER NOTE MAN CHANGE	OCT70 MAY71	10367-90901 10367-90901	OCT85	10367-90801	8L	01	08	01		
10373A		OPER NOTE	OCT74	10373-99000	SEP85	10373-99050	8L	01	33	01		
10375A		OPER NOTE OPER NOTE	JAN75 MAR79	00197-90905 00197-90917	FEB75 MAY79	00197-90805* 00197-90317		01	08	01	USE 10375A FICHE 00197-90817 WITH 197B OPT 006	
10376A		OPER NOTE OPER NOTE	DEC75 MAY79	00197-90908 10376-90901	JAN76 JUN79	00197-90808 10376-90801	8L	01	08	01	FOR 197A OPT 008 FOR 197B CAMERA ADAPTER	
10379A		OPER NOTE	NOV82	10379-90901	JAN83	10379-90801	8L	01	08	01		
10380A		INSTALL INSTR INSTALL INSTR INSTALL INSTR	JUL83 MAR84 FEB82	5957-7618 5957-7678 5957-3282	OCT83 SEP84 DEC83	5957-7638 5957-7679 5957-3283	8L	01	08	01		
10380A-C04		INSTALL INSTRU	MAY85	5958-5536	JUL85	5958-5537	8L	01	08	01		
10380A-C12		MOD SHEET	MAY85	10380-90904	JUL85	10380-90804	8L	01	08	01		
10380A-C13		MOD SHEET	MAY85	10380-90905	JUL85	10380-90805	8L	01	08	01		
10380A/C04		INSTALL INSTRUCT	NOV80	5955-8066	FEB81	5955-8067	8L	01	08	01		
10381A		INSTALL INSTR INSTALL INSTR INSTALL INSTR	JUL83 MAR84 FEB82	5957-7618 5957-7678 5957-3282	OCT83 SEP84 DEC83	5957-7638 5957-7679 5957-3283	8L	01	08	01		
10382A		INSTALL INSTR INSTALL INSTR INSTALL INSTR	JUL83 MAR84 FEB82	5957-7618 5957-7678 5957-3282	OCT83 SEP84 DEC83	5957-7638 5957-7679 5957-3283	8L	01	08	01		
10388A		OPER NOTE OPER NOTE	AUG75 APR77	10388-90901 10388-90903	SEP75 JUL77	10388-90801* 10388-90803	8L	01	08	01	USE 10388A FICHE 10388-90803	
10389A		OPER NOTE OPER NOTE	AUG75 MAY76	10389-90901 10389-90902	SEP75 SEP83	10389-90801* 10389-90802	8L	01	08	01	USE 10389A FICHE 10389-90802	
104AR		OPER & SERV MAN MAN CHANGE	APR63 AUG64	00104-9003 00104-9003	NOV74	00104-9004		01	02	02		

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 11652A-
 11654A
 11655A
 11661
 11661A
 11661B
 11664A
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 11665B
 11666A

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10382A	INSTALL INSTR	JUL83 5957-7618	OCT83 5957-7638	8L 01 08 01	
	INSTALL INSTR	MAR84 5957-7678	SEP84 5957-7679	8L 01 08 01	
	INSTALL INSTR	FEB82 5957-3282	DEC83 5957-3283	8L 01 08 01	
10388A	OPER NOTE	AUG75 10388-90901	SEP75 10388-90801*	8L 01 08 01	USE 10388A FICHE 10388-90803
	OPER NOTE	APR77 10388-90903	JUL77 10388-90803	8L 01 08 01	
10389A	OPER NOTE	AUG75 10389-90901	SEP75 10389-90801*	8L 01 08 01	USE 10389A FICHE 10389-90802
	OPER NOTE	MAY76 10389-90902	SEP83 10389-90802	8L 01 38 01	
104AR	OPER & SERV MAN	APR63 00104-9003	NOV74 00104-9004	01 02 02	
	MAN CHANGE	AUG64 00104-9003			

11664C
11665A
11665B
11666A

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DESCRIPTION ***

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*** DESCRIPTION ***											
10403A		OPER NOTE	JUN69	10403-99001	JAN71	10403-99801		01	08	01	
10404A		OPER NOTE	JUN69	10404-99001	SEP85	10404-99801	8L	01	08	01	
10405A		OPER NOTE	JAN66	10405-99001	JAN71	10405-99801		01	08	01	
10407A		SERV NOTE SET BELOW 10407A-1	MAY68	WO MOD TO IMPR	JAN79	PERF & ELIM OSCIL OF MODEL 180/181 OSCILLOSCOPE					
10407B		OPER NOTE	JAN72	10407-90902	MAY72	10407-90802*		01	08	01	USE 10407B FICHE 10407-90804
		OPER NOTE	JUN75	10407-90904	OCT83	10407-90804	8L	01	08	01	
10408A		OPER NOTE	AUG70	10408-90901	OCT84	10408-90801	8L	01	08	01	
10409A		OPER NOTE	OCT70	10408-90901	OCT84	10408-90801	8L	01	08	01	
10410A		OPER NOTE	AUG70	10410-90901	JUL72	10410-90801		01	08	01	
10411A		OPER NOTE	AUG70	10411-90902	SEP70	10411-90802		01	08	01	
10412A		INSTALL INSTRUCT	SEP70	10412-90901	SEP85	10412-90801	8L	01	08	01	
10421A		OPER NOTE	JUL78	10421-90901	AUG78	10421-90801	8L	01	08	01	
10451A		OPER NOTE	JAN00	10451-99001	DEC81	10451-99101	8L	01	08	01	
10477A		OPER NOTE	MAR71	10477-90901	JUN71	10477-90801		01	08	01	
10478A		OPER NOTE	MAR71	10477-90901	JUN71	10477-90801		01	08	01	
10479A		OPER NOTE	JAN72	10479-90902/3	MAY72	10479-90803		01	08	01	
		SERV NOTE SET BELOW 10479A-1	JUN67	ADD TWO TILT	MAY78	LIMIT BARS TO PREV OVERTURNING					
10479B		OPER NOTE	JAN72	10479-90902/3	MAY72	10479-90803		01	08	01	
10480A		OPER NOTE	JAN72	10480-90903	MAY72	10480-90803		01	08	01	
10480B		OPER NOTE	JAN72	10480-90904	MAY72	10480-90804		01	08	01	
10487A		OPER NOTE	DEC71	10487-90901	FEB72	10487-90801*		01	08	01	USE 10487A FICHE 10487-90904
		OPER NOTE	MAR73	10487-90903	SEP83	10487-90904	8L	01	08	01	
10488A		OPER NOTE	OCT71	10488-90901	DEC71	10488-90801*		01	08	01	USE 10488A FICHE 10488-90802
		OPER NOTE	OCT79	10488-90902	OCT83	10488-90802	8L	01	08	01	
10490A		OPER NOTE	OCT72	10490-90901	AUG85	10490-90801	8L	01	08	01	
10491A		OPER NOTE	AUG75	10491-90902	MAY82	10491-90802	8L	01	08	01	
10494A		INSTALL INSTRUCT	JAN00	10494-90902	MAY80	10494-90802	8L	01	D2	01	SERIAL PFX 1812A & BELOW
10495A		INSTALL INSTRUCT	JAN00	10495-90903	MAY80	10495-90803	8L	01	D2	01	SERIAL PFX 1822A THRU 1936A

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11667A
11668A
11672A
11673A
11683A
11687A
11690A
11691D
11692D
11693A
11694A
11697A
11697B
11697C
11698A
11699A
11699A-0
117
117A
11707A
11710A

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10488A	OPER NOTE OPER NOTE	OCT71 OCT79	10488-90901 10488-90902	DEC71 OCT83	10488-90801* 10488-90802	01 08 01 8L 01 08 01	USE 10488A FICHE 10488-90802
10490A	OPER NOTE	OCT72	10490-90901	AUG85	10490-90801	8L 01 08 01	
10491A	OPER NOTE	AUG75	10491-90902	MAY82	10491-90802	8L 01 08 01	
10494A	INSTALL INSTRUCT	JAN00	10494-90902	MAY80	10494-90802	8L 01 D2 01	SERIAL PFX 1812A & BELOW
10495A	INSTALL INSTRUCT	JAN00	10495-90903	MAY80	10495-90803	8L 01 D2 01	SERIAL PFX 1822A THRU 1936A

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117A

11707A

11710A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 18
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
10496A		INSTAL INSTRUCT	JAN00	10496-90902	AUG81	10496-90802	8L	01	D2	01	
105A		OPER & SERV MAN MAN CHANGE	APR73 FEB83	00105-9025 00105-9025	MAY83	00105-9026	8L	01	02	02	
105A-K07		OPER & SERV MAN	AUG69	00105-91022	APR85	00105-9023	8L	01	02	01	
105B		OPER & SERV MAN MAN CHANGE	APR73 FEB83	00105-9025 00105-9025	MAY83	00105-9026	8L	01	02	02	
1051A		OPER NOTE MAN CHANGE	MAY72 MAR76	01051-90003 01051-90003	SEP77	01051-90004	8L	01	04	01	
10511A		OPER & SERV MAN	MAR69	10511-90006	JAN72	10511-90007		01	04	01	
10515A		OPER & SERV MAN	NOV69	10515-90004	OCT85	10515-90013	8L	01	04	01	
1052A		OPER NOTE MAN CHANGE	MAY72 MAR76	01051-90003 01051-90003	SEP77	01051-90004	8L	01	04	01	
10525-60015		OPER & SERV MAN	FEB75	10525-90026	OCT77	10525-90027	8L	01	02	01	
10525A		OPER & SERV MAN	JAN71	10525-90005	FEB71	10525-90006		01	02	01	
10525C		OPER & SERV MAN MAN CHANGE	FEB73 AUG83	10525-90017 10525-90017	AUG84	10525-90028	8L	01	02	01	
10525H		OPER & SERV MAN	SEP73	10525-90021	OCT77	10525-90029	8L	01	02	01	
10525T		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	FEB74 FEB75 AUG83	10525-90022 10525-90024 10525-90024	JUN75 AUG84	10525-90023* 10525-90025		01 8L	02 01	02 01	USE 10525T FICHE 10525-90025
		10525T-1 10525T-2	AUG73 JUN75	WN SER 1120A.SOLU FOR WO ALL SER.HIGHER REL	MAY78	"3" LATCHING & FIRST PULSE NONDECTION INDICATOR LAMP					
10525T-H05		OPER & SERV MAN MAN CHANGE	JUL79 APR79	10525-90030 10525-90030	APR80	10525-90031	8L	01	02	01	
10526T		OPER & SERV MAN MAN CHANGE	MAR74 AUG83	10526-90008 10526-90008	AUG84	10526-90009	8L	01	02	01	
10528A		OPER & SERV MAN OPER MAN	AUG74 AUG80	10528-90008 10528-90010	SEP74 NOV80	10528-90009* 10528-90011		01 8L	02 01	01 01	USE 10528A FICHE 10528-90011
10529-60014		OP/SERV MAN SUPP	APR74	10529-90007	SEP85	10529-90008	8L	01	02	01	
10529A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAY71 AUG73 NOV84	10529-90003 10529-90005 10529-90005	MAR73 MAR85	10529-90004* 10529-90009		01 8L	02 01	02 02	USE 10529A FICHE 10529-90009
		10529A-2	JUN72	WN ALL SER CLIP	OCT78	COVER REPL.SUPER S/N 10529A-1					
10533A		OPER & SERV MAN MAN CHANGE	APR74 DEC83	05300-90017 05300-90017	MAR84	05300-90018	8L	01	02	02	

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11710B

11711A

11712A

11713A

11714A

11715A

11716A

11716B

11717A

11720A

11721A

11726A

11729A

11729B

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10529-60014	OP/SERV MAN SUPP	APR74 10529-90007	SEP85 10529-90008	8L 01 02 01
10529A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10529A-2	MAY71 10529-90003 AUG73 10529-90005 NOV84 10529-90005	MAR73 10529-90004* MAR85 10529-90009	01 02 02 USE 10529A FICHE 10529-90009 8L 01 02 02
10533A	OPER & SERV MAN MAN CHANGE	APR74 05300-90017 DEC83 05300-90017	MAR84 05300-90018	8L 01 02 02

11790B

11790B-630

11790B-650

11790B-655

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
10536A		OPER & SERV MAN SERV NOTE SET BELOW 10536A-1	MAR75	10536-90006	OCT77	10536-90007	8L	01	02	01	
			APR70	WA SER BELOW 200-	OCT78	MOD TO CORREC P1					ERROR DEFEAT
10538A		OPER & SERV MAN	FEB70	10538-90003	OCT77	10538-90004	8L	01	02	01	
10542A		OPER & SERV MAN	OCT73	10542-90004	OCT77	10542-90005	8L	01	02	01	
10550A		OPER & SERV MAN	FEB72	05525-90014	AUG74	05525-90020					01 02 04
10550B		INSTRUCT MAN INSTRUCT MAN	JUL72	10550-90007	SEP74	10550-90008*	01	02	01		USE 10550B FICHE 10550-90010
			JUL77	10550-90009	AUG77	10550-90010	8L	01	02	01	
10552A		OPER HANDEBOOK SUPP MAN CHANGE	DEC79	10552-90005	JUL81	10552-90006	8L	01	02	01	
			MAY81	10552-90005							
10555A		MAN SUPP MAN CHANGE	OCT72	05525-90016	JAN78	05525-90022	8L	01	02	01	
			APR75	05525-90016							
10556A		INSTRUCT MAN SERV NOTE SET BELOW 10556A-1	DEC72	10556-90004	OCT77	10556-90005	8L	01	02	01	
			NOV82	WA SER 1208A03460 & BELOW.	APR83	MISFITTING OF RETROREFLECTORS INTO ANGULAR MOUNTS					
10557A		INSTRUCT MAN	JUL77	10557-90007	AUG77	10557-90008	8L	01	02	01	
10558A		INSTRUCT MAN	JAN73	10558-90005	OCT77	10558-90006	8L	01	02	01	
10559A		INSTRUCT MAN	JUL77	10559-90006	AUG77	10559-90007	8L	01	02	01	
10562A		OPER NOTE	JAN80	10562-90001	MAR80	10562-90002	8L	01	02	01	
10562A-001		OPER NOTE	JAN80	10562-90001	MAR80	10562-90002	8L	01	02	01	
10565B		INSTRUCT MAN INSTRUCT MAN MAN CHANGE	AUG74	10565-90007	JUL74	10565-90008*	01	02	01		USE 10565B FICHE 10565-90010
			MAY77	10565-90009	FEB80	10565-90010	8L	01	02	01	
			DEC79	10565-90009							
10567A		OPER & SERV MAN INSTRUCT MAN	JUN77	10567-90005	FEB80	10567-90006*	8L	01	02	01	USE 10567A FICHE 10567-90009
			JUL81	10567-90008	AUG81	10567-90009	8L	01	02	01	
10569A		MAN SUPP 5525A/B/6A	OCT71	05505-90007	OCT75	05505-90009	8L	01	02	01	
10579A		SERV NOTE SET BELOW 10579A-1	SEP74	WA SER 1328 ONLY.	OCT78	IMPR FREQ MULTI BOARD					
10580A		INSTRUCT MAN INSTRUCT MAN SERV NOTE SET BELOW 10580A/10753A	JUN74	10580-90002	DEC77	10580-90003*	8L	01	02	01	USE 10580A FICHE 10580-90008
			SEP79	10580-90007	OCT79	10580-90008	8L	01	02	01	
			MAR84	WN ALL SER.REPL PARTS (USED WITH 5526A/5528A LASER SYSTEM)	JUL84						
10581A		INSTRUCT MAN	JUL75	10581-90003	DEC77	10581-90004	8L	01	02	01	
10583A		OPER NOTE	AUG75	10583-90003	DEC77	10583-90004	8L	01	02	01	

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11850A

11850A-H26

11850B

11851A

11854A

11859A

11859B

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11861A

11863D

11863E

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11867A

11869A

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10585A		USER'S MAN MAN CHANGE	APR80	10585-90003	APR81	10585-90004	8L	01	02	02	

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10580A	INSTRUCT MAN INSTRUCT MAN SERV NOTE SET BELOW 10580A/10753A	JUN74 10580-90002 SEP79 10580-90007 MAR84 WN ALL SER.REPL PARTS (USED WITH 5526A/5528A LASER SYSTEM)	DEC77 10580-90003* 8L 01 02 01 OCT79 10580-90008 8L 01 02 01 JUL84	USE 10580A FICHE 10580-90008
10581A	INSTRUCT MAN	JUL75 10581-90003	DEC77 10581-90004 8L 01 02 01	
10583A	OPER NOTE	AUG75 10583-90003	DEC77 10583-90004 8L 01 02 01	

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120A/B

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*** DESCRIPTION ***											
10585A		USER'S MAN MAN CHANGE SERV NOTE SET BELOW 10585-1	APR80 MAR81 APR82	10585-90003 10585-90003	APR81 JUL82	10585-90004	8L	01	02	02	
WO SER 2040 & BELOW; SOFTWARE CORREC OF PROG ANOMALY											
10586A		OPER NOTE OPER NOTE	JAN80 MAR82	10586-90001 10586-90008	MAR80 SEP84	10586-90002 10586-90009	8L	01	02	01	
10590A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10590A-1	MAR74 OCT84 JUL77	10590-90004 10590-90004	DEC84 OCT78	10590-90005	8L	01	02	02	
WO SER 1628, A-1BD(10590-6001)REV A. ERRONEOUS CIRCUIT TRACE											
10593B		OPER NOTE	MAR74	10593-90003	APR74	10593-90006		01	02	01	
106A		OPER & SERV MAN MAN CHANGE	JUN65 OCT67	00106-9029 00106-9029	SEP70	00106-9030		01	02	02	
106B		OPER & SERV MAN MAN CHANGE	JUN65 OCT67	00106-9029 00106-9029	SEP70	00106-9030		01	02	02	
10618A		OPER & SERV MAN	OCT70	10618-90005	DEC70	10618-90006		01	02	02	
10625A		NOTE	JUL73	10625-90003	JAN76	10625-90004	8L	01	02	01	
10626A		MAN SUPP MAN CHANGE SERV NOTE SET BELOW 10626A-2	JUN69 OCT71 OCT71	10626-90002 10626-90002	APR81 OCT78	10626-90003	8L	01	02	01	
WO SER BELOW 956.DMI-DMA COMPATIBILITY.SUPERSEDES 10626A-1											
10631A/B/C		SERV NOTE SET BELOW 10631A/B/C-2 10631A/B/C/D-3	DEC75 MAY77	WO REC REPL PARTS.SUPER WO RECMD REPLACEABLE PTS HP-IB CABLES	OCT78	10631A/B/C-1	***	REPL BY	10631A/B/C-3	1078	
10638A		OPER & SERV MAN MAN CHANGE	SEP73 JAN79	10638-90002 10638-90002	FEB79	10638-90004	8L	01	02	01	
10671A		CONVERSION PROCED	SEP73	05451-90098	DEC77	05451-90483	8L	01	02	01	
10672A		CONVERSION PROCED	SEP73	05451-90098	DEC77	05451-90483	8L	01	02	01	
10673A		OPER & SERV MAN	JUL72	10673-90001	JUL75	10673-90008	8L	01	02	01	
10674A		MAN SUPP	JUL72	10674-90001	JUL75	10674-90006	8L	01	02	01	
10686A		INSTALL NOTE INSTALL NOTE	AUG74 APR77	10686-90003 10686-90005	OCT74 DEC77	10686-90004* 10686-90006	01	02	01	USE 10686A FICHE 10686-90006	
10692A		OPER NOTE	JUN75	10692-90001	JUL75	10692-90004*	8L	01	02	01	USE 10692B FICHE 10693-90003
10692B		OPER NOTE OPER NOTE SERV NOTE SET BELOW 10692B-1	AUG75 FEB80 NOV75	10692-90002 10692-90007	OCT77 MAR80 OCT78	10692-90003* 10692-90008	8L	01	02	01	USE 10692B FICHE 10692-90008
WO ALL SER.PERIODIC SPECIFICATION CHECK											

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120A/B
120AR-H13
120B
120B-H77
1200A
1200A/B
1200B
1201A
1201A/B
1201B

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ION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 21
*** DESCRIPTION ***											
10693A		OPER NOTE MAINT NOTE OPER NOTE	JAN76 JAN76 OCT78	10693-90002 10693-90004 10693-90006	DEC76 OCT77 FEB80	10693-90003* 10693-90005 10693-90007*	8L	01	02	01	USE 10693A FICHE 10693-90007 USE 10693A FICHE 10693-90009

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1202A

10729A	OPER & SERV MAN	DEC79 10729-90001	MAR80 10729-90002	8L 01 02 01
10740A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUN77 10740-90002 JAN80 10740-90004 MAY81 10740-90004	MAY79 10740-90003* JUL81 10740-90005	8L 01 02 01 USE 10740A FICHE 10740-90005 8L 01 02 01

1200B
1207A
1207A/B

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 22
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
10741A		OPER NOTE MAN CHANGE	MAY74 JUN74	10741-90005 10741-90005	MAY82	10741-90007	8L	01	02	01	
10742A		TEMP OP & SERV MAN MAN CHANGE	JUL75 MAR75	10742-90001 10742-90001	MAY81	10742-90003	8L	01	02	01	
10745A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	AUG75 JAN81 NOV84	10745-90003 10745-90005 10745-90005	MAY79 MAR85	10745-90004* 10745-90006	8L	01	02	02	USE 10745A FICHE 10745-90006 8L 01 02 02
10746A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	DEC75 DEC78 FEB85	10746-90002 10746-90004 10746-90004	DEC77 JUN85	10746-90003* 10746-90005	8L	01	02	02	USE 10746A FICHE 10746-90005 8L 01 02 01
10752A/B/C		SERV NOTE SET BELOW 10752A/B/C-1	APR85	WN ALL SER.REC	OCT85 REPL'S						
10753A		SERV NOTE SET BELOW 10580A/10753A	MAR84	WN ALL SER.REPL	JUL84 PARTS (USED WITH 5526A/5528A LASER SYSTEM)						
10755A		OPER & SERV MAN	APR77	10755-90004	APR77	10755-90005*	8L	01	02	01	USE 10755B FICHE 10755-90007
10755B		OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	JAN81 FEB81 FEB83 SEP84	10755-90006 10755-90006 10755-90011 10755-90011	MAR81 DEC84	10755-90007 10755-90012	8L	01	02	01	8L 01 02 01 8L 01 02 01
10756A		OPER & SERV MAN MAN CHANGE	AUG75 JAN82	10756-90002 10756-90002	FEB84	10756-90003	8L	01	02	02	
10760A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	AUG75 SEP77 SEP79 OCT80 NOV84	10760-90002 10760-90004 10760-90006 10760-90008 10760-90008	AUG75 NOV77 MAY80 JUN85	10760-90003* 10760-90005* 10760-90007* 10760-90009	8L	01	02	02	USE 10760A FICHE 10760-90005 USE 10760A FICHE 10760-90007 USE 10760A FICHE 10760-90009 8L 01 02 02
10761A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10761A-1	SEP79 FEB83 JUL84 AUG78	10761-90004 10761-90007 10761-90007 WA SER BELOW 1712.MOD TO ELIM SIG TIMING PROBLEMS.	JAN80 AUG84	10761-90005* 10761-90008	8L	01	02	01	USE 10761A FICHE 10761-90008 8L 01 02 01
10762A		OPER & SERV MAN OPER & SERV MAN	DEC77 OCT78	10762-90005 10762-90007	JAN78 NOV78	10762-90006* 10762-90008	8L	01	02	01	USE 10762A FICHE 10762-90008 8L 01 02 01
10763A		OPER & SERV MAN MAN CHANGE	DEC76 SEP84	10763-90001 10763-90001	JUN85	10763-90003	8L	01	02	02	
10764A		OPER & SERV MAN	MAR79	10764-90006	MAR79	10764-90007	8L	01	02	01	
10764B		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 10764B/C-1	JAN79 MAR80 APR82 DEC84	10764-90004 10764-90008 10764-90012 WA ALL SER.REC REPL CAP ON FAST PULSE CON	MAR80 JAN82 JUL82 APR85	10764-90005* 10764-90009* 10764-90013	8L	01	02	01	USE 10764B FICHE 10764-90009 USE 10764B FICHE 10764-90013 8L 01 02 01

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1207A/B
1207B
1208A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 23
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
10764C		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10764B/C-1	NOV83 NOV84 DEC84	10764-90016 10764-90016 WA ALL SER.REC REPL CAP ON FAST PULSE CON	MAR85	10764-90017	8L	01	02	02	

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O
C
1215A/B
1215AB
1215B

10764B OPER & SERV MAN JAN79 10764-90004 MAR80 10764-90005* 8L 01 02 01 USE 10764B FICHE 10764-90009
 OPER & SERV MAN MAR80 10764-90008 JAN82 10764-90009* 8L 01 02 01 USE 10764B FICHE 10764-90013
 OPER & SERV MAN APR82 10764-90012 JUL82 10764-90013 8L 01 02 01
 SERV NOTE SET BELOW APR85
 10764B/C-1 DEC84 WA ALL SER.REC REPL CAP ON FAST PULSE CON

1215A
1215A/B

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION	PAGE 23
10764C		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10764B/C-1	NOV83 NOV84	10764-90016 10764-90016	MAR85	10764-90017	8L	01	02	02	APR85 DEC84 WA ALL SER.REC REPL CAP ON FAST PULSE CON	
10780A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10780A-1	MAR79 MAR80 JAN82 APR84	10780-90004 10780-90006 10780-90009 10780-90009	FEB80 MAY80 MAY84	10780-90005* 10780-90007* 10780-90010	8L	01	02	01	USE 10780A FICHE 10780-90007 USE 10780A FICHE 10780-90010 APR79 DEC77 NO SER BELOW 1644A00680.MOD TO ELIM DEGRADATION OF OUTPUT SIG DUTY CY AT LOW SIG LEVELS	
10781A		OPER & SERV MAN MAN CHANGE	JUL82 OCT82	10781-90004 10781-90004	JAN83	10781-90005	8L	01	02	01		
10783A		OPER & SERV MAN MAN CHANGE	SEP80 MAY81	10783-90003 10783-90003	JUL81	10783-90004	8L	01	02	01		
10791A		INSTALL MAN	NOV83	10791-90001	FEB84	10791-90005	8L	01	02	01		
10791B		INSTALL MAN	NOV83	10791-90001	FEB84	10791-90005	8L	01	02	01		
10791C		INSTALL MAN	NOV83	10791-90001	FEB84	10791-90005	8L	01	02	01		
10810A		INSTRALL INSTRUC ADDEN TO O & S MAN	MAR75 MAY78	10810-90003 10810-90006	SEP85 SEP85	10810-90004 10810-90007	8L	01	02	01		
10810B		ADDEN TO O & S MAN	MAY78	10810-90006	SEP85	10810-90007	8L	01	02	01		
10811A		OPER & SERV MAN MAN CHANGE	AUG80 DEC84	10811-90002 10811-90002	MAR85	10811-90003	8L	01	02	02		
10811B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10811B-1	AUG80 JUN84	10811-90002 10811-90002	SEP84	10811-90003	8L	01	02	02	APR83 NOV82 NO SER 2216A01725 & BELOW.REPL KIT FOR FLEX CIRCUIT ASSY P/N 10811-90014	
10830A		OPER & SERV MAN MAN CHANGE	MAR77 MAR81	10830-90002 10830-90002	AUG84	10830-90003	8L	01	02	02		
10831A		OPER & SERV MAN MAN CHANGE	MAR77 OCT79	10831-90002 10831-90002	NOV79	10831-90003	8L	01	02	01		
10842A		INSTALL NOTE	JAN84	10842-90004	JUL84	10842-90005	8L	01	02	01		
10855A		OPER & SERV MAN MAN CHANGE	JUL76 OCT83	10855-90001 10855-90001	MAR84	10855-90002	8L	01	02	01		
10857A		OPER & SERV MAN	AUG84	05334-90011	NOV84	05334-90012	8L	01	02	02		
10870A		INSTALL NOTE	MAY78	10870-90002	JUL84	10870-90003	8L	01	02	01		
10905A		INSTALL NOTE	FEB77	10905-90007	APR77	10905-90008	8L	01	02	01		

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1215AB
1215B
1217A
1217A/B
1217B
122A/AR
1220A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION	PAGE 24
10920A		OPER & SERV MAN MAN CHANGE	NOV78 MAY81	10920-90003 10920-90003	JUN81	10920-90004	8L	01	02	03	FOR 5420A DIGITAL SIGNAL ANALYZER	
10921-60004		OPER & SERV MAN	FEB81	10921-90005	JUL81	10921-90007	8L	01	02	02		
10921A		MODULE MAN MAN CHANGE	SEP77 APR79	10921-90003 10921-90003	AUG79	10921-90004	8L	01	02	01		

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1220A

10870A INSTALL NOTE MAY78 10870-90002 JUL84 10870-90003 8L 01 02 01
 10905A INSTALL NOTE FEB77 10905-90007 APR77 10905-90008 8L 01 02 01

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
10920A		OPER & SERV MAN MAN CHANGE	NOV78 MAY81	10920-90003 10920-90003	JUN81	10920-90004	8L	01	02	03	FOR 5420A DIGITAL SIGNAL ANALYZER
10921-60004		OPER & SERV MAN	FEB81	10921-90005	JUL81	10921-90007	8L	01	02	02	
10921A		MODULE MAN MAN CHANGE	SEP77 APR79	10921-90003 10921-90003	AUG79	10921-90004	8L	01	02	01	
10960A		INSTAL/OP/SERV NOTE	MAR76	05425-90306	DEC76	05425-90307	8L	01	02	01	
110A		INSTRUCTIONS	JAN00	00110-90500	NOV74	00110-90502		01	21	01	
11000A		OPER NOTE	NOV78	11000-90001	MAR79	11000-90051	8L	01	09	01	
11001A		OPER NOTE	NOV78	11000-90001	MAR79	11000-90051	8L	01	09	01	
11002A		OPER NOTE	NOV78	11000-90001	MAR79	11000-90051	8L	01	09	01	
11003A		OPER NOTE	NOV78	11000-90001	MAR79	11000-90051	8L	01	09	01	
11004A		OPER NOTE	OCT74	11004-90001	SEP85	11004-90051	8L	01	09	01	
11005A		OPER NOTE OPER NOTE	MAY66 AUG77	11005-90000 11005-90003	JAN71 SEP77	11005-90050* 11005-90053		01	09	01	USE 11005A FICHE 11005-90053
11028A		OPER NOTE	SEP66	11028-90001	SEP85	11028-90051	8L	01	09	01	
1103A		OPER & SERV MAN MAN CHANGE	AUG64 NOV64	01103-90901 01103-90901	MAR75	01103-90801		01	08	01	
11035A		OPER NOTE	NOV78	11000-90001	MAR79	11000-90051	8L	01	09	01	
11036A		OPER NOTE	JUL74	11036-90003	SEP85	11036-90057	8L	01	09	01	
11039A		OPER NOTE	JAN00	11039-90002	SEP85	11039-90052	8L	01	09	01	
1104A		OPER NOTE SERV NOTE SET BELOW 1104A-1	OCT68 FEB68	01104-90903 REVISED BIAS	APR85 OCT78	01104-90803 ADJ PROCEDURE	8L	01	08	01	
11040A		OPER NOTE	JUL74	11040-90002	SEP85	11040-90057	8L	01	09	01	
11044A		OPER NOTE	APR73	11044-90003	SEP35	11044-90053	8L	01	09	01	
11045A		OPER NOTE	APR73	11044-90003	SEP85	11044-90053	8L	01	09	01	
11046A		OPER NOTE OPER NOTE	MAY70 JUN79	11046-90000 11046-90001	SEP70 AUG79	11046-90050* 11046-90051		01	09	01	USE 11046A FICHE 11046-90051
11047A		OPER NOTE	APR77	11047-90003	AUG77	11047-90053	8L	01	09	01	
11049A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	JAN73 OCT79 SEP80 NOV81	11049-90001 11049-90002 11049-90003 11049-90004	JUL73 MAY80 NOV80 SEP82	11049-90051* 11049-90052* 11049-90053* 11049-90054*		01	09	01	USE 11049A FICHE 11049-90052 USE 11049A FICHE 11049-90053 USE 11049A FICHE 11049-90054 USE 11049A FICHE 11049-90055

11/08/85 MODEL NUMBER O C
 1220A 122
 1220A-007 OPI
 1221A OPI
 1222A OPI

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
11049A		OPER & SERV MAN	MAY84	11049-90005	SEP84	11049-90055	8L	01	09	01	
1105A		OPER NOTE OPER NOTE SERV NOTE SET BELOW 1105A-1	MAY72 FEB77 SEP67	01105-90904 5955-2714 REPLACEMENT OF R11	JUN75 FEB85 OCT78	01105-90804* 5955-2715		01	08	01	USE 1105A FICHE 5955-2715
11050A		OPER & SERV MAN	JAN73	11049-90001	JUL73	11049-90051*		01	09	01	USE 11049A FICHE 11049-90052

11/08/85 MODEL NUMBER O C
 1222A 122
 1223A PRE
 OPE

OPER & SERV MAN
OPER & SERV MAN
OPER & SERV MAN

OCT77 11049-90002
SEP80 11049-90003
NOV81 11049-90004

MAY80 11049-90052* 8L 01 09 01 USE 11049A FICHE 11049-90053
NOV80 11049-90053* 8L 01 09 01 USE 11049A FICHE 11049-90054
SEP82 11049-90054* 8L 01 09 01 USE 11049A FICHE 11049-90055

122
122
122

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

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11049A OPER & SERV MAN MAY84 11049-90005 SEP84 11049-90055 8L 01 09 01

1105A OPER NOTE MAY72 01105-90904 JUN75 01105-90804* 01 08 01 USE 1105A FICHE 5955-2715
OPER NOTE FEB77 5955-2714 FEB85 5955-2715 8L 01 08 01
SERV NOTE SET BELOW OCT78
1105A-1 SEP67 REPLACEMENT OF R11

11050A OPER & SERV MAN JAW73 11049-90001 JUL73 11049-90051* 01 09 01 USE 11050A FICHE 11049-90052
OPER & SERV MAN OCT79 11049-90002 MAY80 11049-90052* 8L 01 09 01 USE 11050A FICHE 11049-90053
OPER & SERV MAN SEP80 11049-90003 NOV80 11049-90053* 8L 01 09 01 USE 11050A FICHE 11049-90054
OPER & SERV MAN NOV81 11049-90004 SEP82 11049-90054* 8L 01 09 01 USE 11050A FICHE 11049-90055
OPER & SERV MAN MAY84 11049-90005 SEP84 11049-90055 8L 01 09 01

11051A OPER & SERV MAN JAN73 11049-90001 JUL73 11049-90051* 01 09 01 USE 11051A FICHE 11049-90052
OPER & SERV MAN OCT79 11049-90002 MAY80 11049-90052* 8L 01 09 01 USE 11050A FICHE 11049-90053
OPER & SERV MAN SEP80 11049-90003 NOV80 11049-90053* 8L 01 09 01 USE 11051A FICHE 11049-90054
OPER & SERV MAN NOV81 11049-90004 SEP82 11049-90054* 8L 01 09 01 USE 11051A FICHE 11049-90055
OPER & SERV MAN MAY84 11049-90005 SEP84 11049-90055 8L 01 09 01

11056A OPER NOTE OCT70 11056-90002 SEP71 11056-90052* 01 09 01 USE 11056A FICHE 11056-90053
OPER NOTE JUL76 11056-90003 SEP83 11056-90053 8L 01 09 01

11057A OPER NOTE OCT70 11056-90002 SEP71 11056-90052* 01 09 01 USE 11056A FICHE 11056-90053

1106A OPER NOTE OCT68 01104-90903 APR85 01104-90803 8L 01 08 01

1106A/B SERV NOTE SET BELOW OCT78
1106A/B-1B/1108A-1A NOV77 WO ALL SER.REPAIR POLICY

1106B OPER NOTE MAY72 01105-90904 JUN75 01105-90804* 01 08 01 USE 1106B FICHE 5955-2715
OPER NOTE FEB77 5955-2714 FEB85 5955-2715 8L 01 08 01

11066A OPER NOTE JUL65 11066-90000 NOV71 11066-90050 01 09 01

1107A OPER NOTE JUL70 01107-90901 OCT70 01107-90801 01 08 01

11074A OPER NOTE JUL75 11074-90001 AUG75 11074-90051 8L 01 09 01

11075A OPER NOTE JUN75 11075-90001 JUL75 11075-90051* 8L 01 09 01 USE 11075A FICHE 11075-90052
OPER NOTE APR82 11075-90002 OCT83 11075-90052 8L 01 09 01

11076A OPER NOTE JUN75 11075-90001 JUL75 11075-90051* 8L 01 09 01 USE 11076A FICHE 11075-90052
OPER NOTE APR82 11075-90002 OCT83 11075-90052 8L 01 09 01

1108A OPER NOTE OCT68 01104-90903 APR85 01104-90803 8L 01 08 01
OPER NOTE MAY72 01105-90904 JUN75 01105-90804* 01 08 01 USE 1108A FICHE 5955-2715
OPER NOTE FEB77 5955-2714 FEB85 5955-2715 8L 01 08 01
SERV NOTE SET BELOW OCT78
1106A/B-1B/1108A-1A NOV77 WO ALL SER.REPAIR POLICY

11086A OPER NOTE NOV78 11000-90001 MAR79 11000-90051 8L 01 09 01

1109B OPER NOTE APR72 01109-90901 SEP74 01109-90801* 01 08 01 USE 1109B FICHE 01109-90802
OPER NOTE NOV75 01109-90902 FEB85 01109-90802 8L 01 08 01

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1222A 1222
CON

1223A PRE
OPER

123A OPER
OPER

1230A OPER
MAN

12533A SER
1253
125

12534A SER
1253
125

12550A SER
1253
125

12564A SER
1253

12567A SER
1253
125

12661A SER
1266

12722A SER
1272
1272

12723A SER
1272

12750B SER
1272

12770A SER
1272
CON

12797A SER
1272

12800A SER
1280

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11096B OPER NOTE JAN00 11096-90005 AUG77 11096-90055* 8L 01 09 01 USE 11096B FICHE 11096-90056
OPER NOTE MAR78 11096-90006 OCT78 11096-90056 8L 01 09 01

11097A OPER NOTE OCT68 11097-90001 APR82 11097-90051 8L 01 09 01

11098A OPER NOTE OCT68 11098-90001 APR82 11098-90051 8L 01 09 01

1110A OPER NOTE NOV74 01110-90903 FEB85 01110-90803 8L 01 08 01

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12940A SER
1294
CON

130A OPER
MAN

130B OPER
MAN

1

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*** DESCRIPTION ***												
11096B		OPER NOTE OPER NOTE	JAN00	11096-90005	AUG77	11096-90055*	8L	01	09	01	USE 11096B FICHE 11096-90056	
			MAR78	11096-90006	OCT78	11096-90056	8L	01	09	01		
11097A		OPER NOTE	OCT68	11097-90001	APR82	11097-90051	8L	01	09	01		
11098A		OPER NOTE	OCT68	11098-90001	APR82	11098-90051	8L	01	09	01		
1110A		OPER NOTE	NOV74	01110-90903	FEB85	01110-90803	8L	01	08	01		
1110B		OPER NOTE OPER NOTE	JUN81	01110-90904	AUG81	01110-90804*	8L	01	08	01	USE 1110B FICHE 01110-90805	
			MAY82	01110-90905	JUL82	01110-90805	8L	01	08	01		
1111A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW 1111A-1A	DEC67	01111-90902	AUG70	01111-90802		01	08	01	FOR SERIAL PFXES 441- & ABOVE	
			MAY70	01111-90902								
			NOV63	01111-99001	MAY71	01111-99801		01	08	01	FOR SERIAL PFXES 343- & BELOW	
			MAY70	RECOMMENDED	JUL80						DIODE REPLACEMENT	
1112A		OPER & SERV MAN MAN CHANGE	JUL78	01112-90901	JAN83	01112-90801	8L	01	08	01		
			MAY79	01112-90901								
11122A		OPER NOTE	AUG73	11122-90001	SEP85	11122-90051	8L	01	09	01		
11129A		OPER NOTE	NOV75	11129-90000	DEC75	11129-90050	8L	01	09	01		
11133A		OPER NOTE	JUN78	11133-90000	OCT78	11133-90050	8L	01	09	01		
11133A-C02		OPER NOTE	JUN78	11133-90000	OCT78	11133-90050	8L	01	09	01		
11135A		OPER NOTE	JUL77	11135-90001	SEP77	11135-90051	8L	01	09	01		
11136A		OPER NOTE	JUL77	11135-90001	SEP77	11135-90051	8L	01	09	01		
11137B		OPER NOTE	JUL77	11135-90001	SEP77	11135-90051	8L	01	09	01		
1114A		OPER NOTE SERV NOTE SET BELOW 1114A-1A	DEC76	01114-90904	FEB77	01114-90804	8L	01	08	01		
			JUL80	WO ALL SER.REC	OCT80						SWIVEL CASTER REPL	
11145A		OPER NOTE	JUN73	11145-90001	SEP85	11145-90051	8L	01	09	01		
11146A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 11146A-1	SEP73	11146-90001	SEP85	11146-90051	8L	01	09	02		
			OCT76	11146-90001	APR79							
			MAR73	ALL SER.IMPR							IN PROGRAM TAPES	
11151B		OPER NOTE	AUG75	11151-90003	SEP75	11151-90053	8L	01	09	01		
11152A		OPER NOTE	FEB72	11152-90002	SEP85	11152-90052	8L	01	09	01		
1116A		OPER NOTE SERV NOTE SET BELOW 1116A-1	JAN00	1116A-900	APR81	1116A-800	8L	01	08	01		
			MAR63	MOD TO IMPROVE BUMPERS	JUL80							
1117B		OPER NOTE	MAR77	01117-90903	APR77	01117-90803	8L	01	08	01		

11/08/85 MODEL NUMBER O C

12940A SERV I
12940
CONTI

130A OPER I
MAN C

130B OPER I
MAN C

130B/BR SERV I
130B-
130B-

130BR OPER I
MAN C

130C OPER I
OPER I
MAN C
SERV I
130C-
130C-
130C-
130C-
130C-
130C-
130C-
130C-
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130C-

1300A OPER I
OPER I
OPER I
SERV I
1300A-
1300A-
1300A-
1300A-
1300A-
1300A-
1300A-
1309
1300A-
1300A-
1300A-

1300A-H09 OPER I

1300A-H82 SERV I
H82-13
H82-13

2

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION	DESCRIPTION
*** DESCRIPTION ***												
1118A		OPER NOTE	APR70	01118-90902	AUG70	01118-90802		01	08	01		
11187C		OPER NOTE	MAR74	11187-90000	NOV84	11187-90050	8L	01	09	01		
1119A		OPER NOTE	JAN72	01119-90910	NOV85	01119-90810	8L	01	08	01		
1119B		OPER NOTE	JAN72	01119-90911	NOV85	01119-90811	8L	01	08	01		
1119C		OPER NOTE	JAN72	01119-90912	NOV85	01119-90812	8L	01	08	01		

11/08/85 MODEL NUMBER O C L

1300A-H82 H82-13
1308A-
H82-13

1302A SERV I
1302A-
1302A-
1302A-
1302A-
1302A-

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 27
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1118A		OPER NOTE	APR70	01118-90902	AUG70	01118-90802	01	08	01		
11187C		OPER NOTE	MAR74	11187-90000	NOV84	11187-90050	8L	01	09	01	
1119A		OPER NOTE	JAN72	01119-90910	NOV85	01119-90810	8L	01	08	01	
1119B		OPER NOTE	JAN72	01119-90911	NOV85	01119-90811	8L	01	08	01	
1119C		OPER NOTE	JAN72	01119-90912	NOV85	01119-90812	8L	01	08	01	
1119D		OPER NOTE	JAN72	01119-90913	JUN75	01119-90813	8L	01	08	01	
112B		OPER & SERV MAN	SEP77	04916-90000	NOV77	04916-90006	8L	01	38	01	
1120A		OPER NOTE MAN CHANGE	FEB83 NOV83	01120-90903 01120-90903	MAR84	01120-90803	8L	01	08	01	
1121A		OPER NOTE OPER NOTE MAN CHANGE SERV NOTE SET BELOW 1121A-1	JUN74 JUN77 NOV83	01121-90904 01121-90905 01121-90905	JUN75 MAR84	01121-90804* 01121-90805	8L	01	08	01	USE 1121A FICHE 01121-90805
			JUL80								
			MAY72	WO ALL SER.REPLACEMENT PROBE ASSY							
1123A		OPER & SERV MAN MAN CHANGE	DEC68 APR70	01123-90901 01123-90901	MAR79	01123-90801	8L	01	08	02	
11237A		OPER NOTE	DEC76	11237-90002	FEB77	11237-90052*	8L	01	09	01	USE 3320A FICHE 03320-90052
11238A		OPER NOTE	AUG75	11238-90001	SEP75	11238-90051	8L	01	09	01	
11238B		OPER NOTE	AUG75	11238-90010	SEP75	11238-90060	8L	01	09	01	
11238C		OPER NOTE	AUG75	11238-90001	SEP75	11238-90051	8L	01	09	01	
11239A		OPER NOTE	OCT71	11239-90000	NOV73	11239-90050*	01	09	01		USE 11239B FICHE 11239-90060
11239B		OPER NOTE OPER NOTE	JUL75 SEP79	11239-90010 11239-90012	SEP75 JAN80	11239-90060* 11239-90062	8L	01	09	01	USE 11239B FICHE 11239-90062
11239C		OPER NOTE	AUG75	11239-90011	SEP75	11239-90061*	8L	01	09	01	USE 3320A FICHE 03320-90052
1124A		OPER NOTE OPER NOTE	DEC71 JUN76	01124-90903 01124-90904	MAR72 SEP83	01124-90803* 01124-90804	01 8L	08 01	01		USE 1124A FICHE 01124-90804
11240A		OPER NOTE	OCT73	11240-90000	NOV73	11240-90050*	01	09	01		USE 3320A FICHE 03320-90052
1125A		OPER NOTE OPER NOTE	JUN72 JUL76	01125-90902 01125-90904	DEC72 JUN83	01125-90802* 01125-90804	01 8L	08 01	01		USE 1125A FICHE 01125-90804
11253A		SERV NOTE SET BELOW 11253A-1	APR84		APR80	MN ALL SER.ALTER PROC FOR ADJ & PERF TESTING THE HI/LO LINE TRIP POINTS					
11253B		SERV NOTE SET BELOW 11253B-1	APR84		NOV83	WO ALL SER.ALTER PROC FOR ADJ & PERF TESTING THE HI/LO LINE TRIP POINTS					

11/08/85 MODEL NUMBER	O C	LIT
1300A-H82		H82-130 1308A- H82-130
1302A		SERV NO 1302A-1 1302A-2 1302A-3 1302A-4 1302A-5
1304A		OPER & MAN CHA OPER NO SERV NO 1304A-1 1304A-2 1304A-3 1304A-4 1304A-5 1304A-6 1304A-7
1304A-C06		MOD SHE
1304A-C14		MOD SHE MOD SHE
1304A-C15		MOD SHE MOD SHE
1304A-H02		MOD SHE
1308A		SERV NO 1308A-1 1308A-2 1308A-3 1308A-4 1308A-5 1308A-6 H82-130 /1309A 1308A-9 1300A-1 1309A- 1308A-1 1308A-1 1308A-1
1309A		SERV NO 1300A-7 1309A-1 1309A-2 1309A-3 1309A-4

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 28
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
113AR		OPER & SERV MAN MAN CHANGE A MAN CHANGE B	FEB61 MAR64 JAN63	113A-900 113A-900 113A-900	DEC74	113A-901	01	02	02		
113AR/BR		SERV NOTE SET BELOW 113A-1			MAY78	DESCRIPTION OF CLOCK MECHANISM TOOLS					
113BR		OPER & SERV MAN MAN CHANGE	MAY61 JUN62	113B-900 113B-900	JAN72	113B-901	01	02	02		
113BR-H02		OPER & SERV MAN MAN CHANGE	MAY61	113B-900	JAN72	113B-901	01	02	02		

11/08/85 MODEL NUMBER	O C	LIT
1309A		1309A-5 1309A-6 H82-1330 1308A-7 1308A-9 1300A-10 1309A-1 1309A-11 1309A-12 1309A-13
1310A		OPER &

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 28
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
113AR		OPER & SERV MAN MAN CHANGE A MAN CHANGE B	FEB61 MAR64 JAN63	113A-900 113A-900 113A-900	DEC74	113A-901		01	02	02	
113AR/BR		SERV NOTE SET BELOW 113A-1	-		MAY78						DESCRIPTION OF CLOCK MECHANISM TOOLS
113BR		OPER & SERV MAN MAN CHANGE	MAY61 JUN62	113B-900 113B-900	JAN72	113B-901		01	02	02	
113BR-H02		OPER & SERV MAN MAN CHANGE	MAY61 JUN62	113B-900 113B-900	JAN72	113B-901		01	02	02	
11353A		REF MAN	APR81	03060-90215	JUL81	03060-90254	8L	01	09	01	
11356A		OPER NOTE	JUN78	11356-90000	OCT78	11356-90050	8L	01	09	01	
114B		SERV NOTE SET BELOW 114B-1	MAR67	SER BELOW	MAY78	150-00300					MODIFICATIONS ON SWEEP-RETRACE MULTIVIBRATOR
114BR		OPER & SERV MAN MAN CHANGE A MAN CHANGE B	FEB62 MAY65 MAR65	114B-900 114B-900 114B-900	SEP82	114B-901	8L	01	02	02	
11405A		OPER MAN	JAN00	11405-90001	JUL74	11405-90051		01	09	01	
11440A		OPER & SERV MAN OPER & SERV MAN	JAN00 FEB79	11440-90002 11440-90004	JUL74 OCT83	11440-90051* 11440-90054		01 8L	09 01	01	USE 11440A FICHE 11440-90054
11441A		OPER NOTE OPER MAN	JAN00 JUL81	11441-90001 11441-90004	JUL74 OCT83	11441-90051* 11441-90054		01 8L	09 01	01	USE 11441A FICHE 11441-90054
11452A		OPER NOTE	OCT74	11452-90001	JAN75	11452-90051*		01	09	01	USE 3330A FICHE 03330-90052
11453A		REF MAN	APR81	03060-90215	JUL81	03060-90254	8L	01	09	01	
11453A/B/C		SERV NOTE SET BELOW 11453A/B/C-1	FEB83	WN ALL SER.UPGRADING	APR83	11453A/B TEST					FIXTURE TO 11453C MODEL
11453B		REF MAN	APR81	03060-90215	JUL81	03060-90254	8L	01	09	01	
11473A		OPER NOTE	JAN00	11473-90000	SEP85	11473-90049	8L	01	09	01	
11473B		OPER NOTE	JAN00	11473-90000	SEP85	11473-90049	8L	01	09	01	
11474A		OPER NOTE	JAN00	11473-90000	SEP85	11473-90049	8L	01	09	01	
11475A		OPER NOTE	JAN00	11473-90000	SEP85	11473-90049	8L	01	09	01	
11476A		OPER NOTE	JAN00	11473-90000	SEP85	11473-90049	8L	01	09	01	
11477A		OPER NOTE INSTALL NOTE	OCT78 DEC84	11477-90000 03325-90020	MAR79 FEB85	11477-90050 03325-90220	8L	01	09	01	

11/08/85 MODEL NUMBER	O C	LIT
1309A		1309A-5 1309A-6 H82-1330 1308A-7 1308A-9/ 1300A-10 1309A-11 1309A-12 1309A-13
1310A		OPER & S OPER & S OPER & S OPER & S MAN CHAN MAN SUPP SERV NOT 1310A-1 1310A-2 1310A-3 1310A-4 1310A-5 1310A-6 1310A-7A 1310A-8B 1310A9/1 1310A-10 1310A-11 1310A-12 1310A-13 1317A-1 1310A-14 1317A-2 1310A-15 1317A-3 1310-16 1310A-17 1310A-18 1310A-19 1310A-20 1310A-21
1310A-C27		OPER & S OPER & S MAN CHAN MAN SUPP
1310A-003		OPER & S OPER & S MAN CHAN MAN SUPP
1310A-005		OPER & S

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 29
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
11478A		OPER NOTE	OCT78	11478-90000	MAR79	11478-90050	8L	01	09	01	
115AR		OPER & SERV MAN MAN CHANGE	FEB62 FEB63	115A-900 115A-900	AUG79	115A-901	8L	01	02	02	
115BR		OPER & SERV MAN SERV NOTE SET BELOW H20-115BR-1 115BR-1 115BR-2	AUG68 - APR66 -	00115-9006 - ALL SER.REC REPL TRANSISTOR FOR Q402,Q405 + Q406 WO ALL SER.ALIGNMENT OF CLOCK MOTOR	SEP70 MAY78	00115-9007		01	02	02	MOD TO IMPROVE OUTPUT TICK STABILITY + ALIGNMENT OF OUTPUT CIRCUITS
115CR		OPER & SERV MAN MAN CHANGE	JAN66 DEC66	00115-9004 00115-9004	OCT71	00115-9008		01	02	02	

11/08/85 MODEL NUMBER	O C	LIT
1310A-005		OPER & SE OPER & SE MAN CHAN MAN SUPP
1310A-006		OPER & SE OPER & SE MAN CHAN MAN SUPP
1310A-008		OPER & SE OPER & SE OPER & SE MAN CHAN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 29
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
11478A		OPER NOTE	OCT78	11478-90000	MAR79	11478-90050	8L	01	09	01	
115AR		OPER & SERV MAN MAN CHANGE	FEB62 FEB63	115A-900 115A-900	AUG79	115A-901	8L	01	02	02	
115BR		OPER & SERV MAN SERV NOTE SET BELOW H20-115BR-1 115BR-1 115BR-2	AUG68	00115-9006	SEP70 MAY78	00115-9007		01	02	02	
			- MOD TO IMPROVE OUTPUT TICK STABILITY + ALIGNMENT OF OUTPUT CIRCUITS								
			APR66 ALL SER.REC REPL TRANSISTOR FOR Q402, Q405 + Q406								
			- WO ALL SER.ALIGNMENT OF CLOCK MOTOR								
115CR		OPER & SERV MAN MAN CHANGE	JAN66 DEC66	00115-9004 00115-9004	OCT71	00115-9008		01	02	02	
1150A		OPER & SERV MAN SERV NOTE SET BELOW 28036-1	MAY72 DEC73	01150-90901	SEP72 APR79	01150-90801		01	08	06	
			RECOMMENDED SPARE PRTS								
11509A		OPER & SERV MAN	JUN74	11509-90005	SEP85	11509-90006	8L	01	04	01	
11517A		OPER NOTE	MAY71	11517-90006	OCT85	11517-90007	8L	01	53	01	
11518A		OPER NOTE	MAY71	11517-90006	OCT85	11517-90007	8L	01	53	01	
11519A		OPER NOTE	MAY71	11517-90006	OCT85	11517-90007	8L	01	53	01	
11520A		OPER NOTE	MAY71	11517-90006	OCT85	11517-90007	8L	01	53	01	
11521A		OPER NOTE	APR69	11521-90003	JAN71	11521-90004	8L	01	53	01	
11530A		OPER NOTE	DEC67	11530-90000	JAN71	11530-90050		01	09	01	
11531A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 11531A-1	JUL69 DEC74	11531-90001 11531-90001	JAN82	11531-90002	8L	01	45	01	
			MAY78								
			MAR74 WO SER BELOW 1140A.REC REPL FOR 51C3								
11549A		OPER MAN	NOV83	11549-90002	APR85	11549-90003	8L	01	45	01	
11553A		OPER & SERV MAN	MAY73	11553-90004	SEP85	11553-90054	8L	01	11	01	
11574A		OPER MAN	MAY81	11574-90001	APR85	11574-90002	8L	01	45	01	
11575A		INSTALL MAN	JAN85	11575-90001	APR85	11575-90002	8L	01	45	01	
11581A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	MAY77 JUL79 JUL80 JUL81	08491-90056 08491-90059 08491-90061 08491-90065	JUN77 AUG79 FEB81 AUG81	08491-90057* 08491-90060* 08481-90062* 08491-90066	8L 8L 8L 8L	01 01 01 01	04 04 04 04	01 01 01 01	USE 11581A FICHE 08491-90060 USE 11581A FICHE 08491-90062 USE 11581A FICHE 08491-90066
11582A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	MAY77 JUL79 JUL80 JUL81	08491-90056 08491-90059 08491-90061 08491-90065	JUN77 AUG79 FEB81 AUG81	08491-90057* 08491-90060* 08491-90062* 08491-90066	8L 8L 8L 8L	01 01 01 01	04 04 04 04	01 01 01 01	USE 11582A FICHE 08491-90060 USE 11582A FICHE 08491-90062 USE 11582A FICHE 08491-90066

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
1310A-005		OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-006		OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-008		OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-009		OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-057		OPER & SERV
1310A-604		OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-607		OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-639		OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1310A-905		OPER & SERV MAN CHANGE MAN SUPP B
1310B		OPER & SERV OPER & SERV MAN CHANGE SERV NOTE 1310B-1 1313B-2
1310B-003		MOD SHEET
1311A		OPER & SERV

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
11583A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	MAY77 JUL79 JUL80 JUL81	08491-90056 08491-90059 08491-90061 08491-90065	JUN77 AUG79 FEB81 AUG81	08491-90057* 08491-90060* 08491-90062* 08491-90066	8L 8L 8L 8L	01 01 01 01	04 04 04 04	01 01 01 01	USE 11583A FICHE 08491-90060 USE 11583A FICHE 08491-90062 USE 11583A FICHE 08491-90066
11588A		OPER NOTE	MAY70	11588-90006	OCT85	11588-90008	8L	01	04	01	
11589A		OPER NOTE SERV NOTE SET BELOW 11589A-1	JUL70 FEB70	11589-90005	OCT85 MAY78	11589-90006	8L	01	45	01	
			WA NAMEPLATE CORRECTION								
11590A		OPER NOTE	JUL70	11589-90005	OCT85	11589-90006	8L	01	45	01	
11591A		OPER NOTE OPER NOTE	JAN00 JUN85	11591-90001 11591-90003	MAR71 NOV85	11591-90002* 11591-90004		01 8L	04 01	01 01	USE 11591A FICHE 11591-90004

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
1311A		OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B SERV NOTE S 1311A-1 1311A-2 1311A-3 1311A-4 1311A-5 1310A-7A/13 1310A-8B/13 1310A-9/131 1310A-10/13

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

11583A	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	MAY77 08491-90056 JUL79 08491-90059 JUL80 08491-90061 JUL81 08491-90065	JUN77 08491-90057* AUG79 08491-90060* FEB81 08491-90062* AUG81 08491-90066	8L 01 04 01 8L 01 04 01 8L 01 04 01 8L 01 04 01	USE 11583A FICHE 08491-90060 USE 11583A FICHE 08491-90062 USE 11583A FICHE 08491-90066
11588A	OPER NOTE	MAY70 11588-90006	OCT85 11588-90008	8L 01 04 01	
11589A	OPER NOTE SERV NOTE SET BELOW 11589A-1	JUL70 11589-90005 FEB70 WA NAMEPLATE CORRECTION	OCT85 11589-90006 MAY78	8L 01 45 01	
11590A	OPER NOTE	JUL70 11589-90005	OCT85 11589-90006	8L 01 45 01	
11591A	OPER NOTE OPER NOTE	JAN00 11591-90001 JUN85 11591-90003	MAR71 11591-90002* NOV85 11591-90004	01 04 01 8L 01 04 01	USE 11591A FICHE 11591-90004
11592A	OPER NOTE SERV NOTE SET BELOW 11592A-1 11592A-2	AUG74 11592-90003 MAR70 WN SERVICE KIT MODIFICATION MAR72 WN SERV KIT INTERCONNECTOR CABLES	SEP85 11592-90004 MAY78	8L 01 45 01	
11592B	OPER NOTE	JAN00 11592-90005	APR84 11592-90006	8L 01 53 01	
11593A	OPER NOTE	APR77 11593-90002	APR84 11593-90003	8L 01 53 01	
116	OPER & SERV MAN	SEP77 04916-90000	NOV77 04916-90006	8L 01 38 01	
116AR	OPER & SERV MAN MAN CHANGE	DEC61 116A-900 MAR62 116A-900	FEB75 00116-901	01 02 01	
11600B	OPER & SERV MAN MAN CHANGE	JAN70 11600-90006 NOV78 11600-90006	MAY85 11600-90012	8L 01 45 02	
11602B	OPER & SERV MAN MAN CHANGE	JAN70 11600-90006 NOV78 11600-90006	MAY85 11600-90012	8L 01 45 02	
11604A	OPER NOTE	NOV69 11604-90007	OCT85 11604-90009	8L 01 45 01	
11605A	OPER NOTE MAN CHANGE	AUG70 11605-90007 NOV81 11605-90007	MAY85 11605-90008	8L 01 45 01	
11607A	OPER NOTE MAN CHANGE	AUG73 11607-90004 JAN74 11607-90004	SEP85 11607-90005	8L 01 04 01	
11608A	OPER NOTE OPER NOTE MAN CHANGE	JUN73 11608-90013 SEP81 11608-90029 JAN82 11608-90029	SEP73 11608-90014* MAR85 11608-90030	01 45 01 8L 01 45 01	USE 11608A FICHE 11608-90030
11612A	OPER & SERV MAN	DEC83 11612-90001	MAR84 11612-90002	8L 01 45 01	
11635A	OPER NOTE MAN CHANGE	APR85 11635-90006 MAY85 11635-90006	JUL85 11635-90007	8L 01 45 01	
11652A	OPER NOTE	JUN80 11652-90002	OCT85 11652-90005	8L 01 45 01	

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1311A	OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B SERV NOTE SE 1311A-1 1311A-2 1311A-3 1311A-4 1311A-5 1310A-7A/131 1310A-8B/131 1310A-9/1311 1310A-10/131 1310A-11/131 1310A-12/131 1310A-13/131 1317A-1/132 1310A-14/131 1317A-2/132 1310A-15/131 1317A-3/132 1311A-16 1311A-17 1310A-17/131 1311A-19 1311A-19-S 1311A-20 1311A-21
1311A-C27	OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1311A-003	OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1311A-005	OPER & SERV OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1311A-006	OPER & SERV OPER & SERV MAN CHANGE MAN SUPP B
1311A-008	OPER & SERV OPER & SERV

11652A-008

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 DESCRIPTION ***
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 802

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 31	
			*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***			*** DESCRIPTION ***		
11652A-008		OPER NOTE	DEC83	11652-90006	OCT85	11652-90007	8L	01	45	01		
11654A		OPER NOTE	SEP70	11654-90002	OCT85	11654-90004	8L	01	45	01		
11655A		OPER NOTE	JAN72	11655-90002	OCT85	11655-90006	8L	01	45	01		
11661		SERV TRAINING MAN	JUL77	08660-90072	AUG77	08660-90073	8L	01	04	01		
11661A		SERV MAN OPER & SERV MAN SERV NOTE SET BELOW	DEC77	08660-90070	JAN78	08660-90071	8L	01	04	02		
		11661A-1	NOV72	WO SER BELOW 1216A00250.MOD TO INCR SEARCH THRESHOLD ADJ RANGE	MAY75	11661-90015			01	04	03	
		11661A-2	JAN73	WA SER BELOW 1248A.MOD TO WINCHESTER CONN TO RED SUSCEPTBLY TO PIN DAMAGE								
		11661A-3	JUL73	WA ALL SER.INSTAL CHECKS & ADJ								
		11661A-4A	AUG74	WO SER BELOW 1412A.YIG PRETUNE DRIVER PROTECTION								
		11661A-5A	SEP74	WO SER BELOW 1431A.IMPR SUM LOOP LOCKING								
		11661A-6	SEP74	WO SER BELOW 1430A.YIG PRETUNE IMPRVMENT								
		11661A-7	OCT74	WO SER BELOW 1433A.IMPR COOLING								
		11661A-8	APR75	WO ALL SER.INTERMITTENT FAILURES IN YIG LOOP								
		11661A-9B	AUG75	WO SER BELOW 1426A.MOD TO IMPR LOCK STAB								
		11661A-10	MAY75	WO ALL SER.2 MHZ SPURIOUS SIG SUPRES								
		11661A-11	-	NOT AVAILABLE								
		11661A-12	SEP75	WO ALL SER.PREV OF FALSE LOCK OF YIG PHASE LOCK LOOP								
11661B		SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	DEC77	08660-90070	JAN78	08660-90071	8L	01	10	02		
		11661B-1	NOV76	11661-90021	JAN78	11661-90022*	8L	01	10	03	USE 11661B FICHE 11661-90024	
		11661B-2	JAN78	11661-90023	JUL78	11661-90024*	8L	01	10	02	USE 11661B FICHE 11661-90026	
		11661B-3	AUG81	11661-90025	OCT85	11661-90026	8L	01	10	02		
		11661B-4	DEC84	11661-90025								
		11661B-5A	JUL80	WO ALL SER.INSTAL CHECKS & ADJUSTMENTS								
			JUN75	WO SER BELOW 1439A.2 MHZ SPUR SIG SUPRES								
			SEP75	WO SER BELOW 1533A.MOD TO INCR YIG LOOP PRETUNE ADJ RANGE								
			SEP75	WO SER BELOW 1538A00480.IMPR 4.43 OSCIL STABILITY								
			OCT75	WO SER BELOW 1543A00520.PREV OF FALSE LOCK OF YIG PHASE LOCK LOOP								
11664A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUN73	11664-90005	JUN75	11664-90006*			01	45	01	USE 11664A FICHE 11664-90038
			JAN82	11664-90037	OCT83	11664-90038*	8L	01	45	01	USE 11664A FICHE 11664-90045	
			NOV83	11664-90044	MAR85	11664-90045	8L	01	45	02		
			JUL84	11664-90044								
11664B		OPER & SERV MAN MAN CHANGE	DEC78	11664-90025	MAR85	11664-90030	8L	01	45	01		
			JUL84	11664-90025								
11664C		OPER & SERV MAN MAN CHANGE	MAR81	11664-90033	APR85	11664-90034	8L	01	45	01		
			FEB84	11664-90033								
11665A		OPER & SERV MAN	MAR73	11665-90009	SEP85	11665-90010	8L	01	45	01		
11665B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL73	11665-90011	JUN74	11665-90012*			01	45	02	USE 11665B FICHE 11665-90023
			MAR82	11665-90022	MAR85	11665-90023	8L	01	45	01		
			JAN83	11665-90022								
11666A		OPER & SERV MAN MAN CHANGE	OCT75	11666-90002	MAR85	11666-90003	8L	01	45	02		
			FEB84	11666-90002								

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 1311A-0
 1311A-0
 1311A-0
 1311A-6
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 1317A

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11664B	OPER & SERV MAN MAN CHANGE	DEC78 11664-90025 JUL84 11664-90025	MAR85 11664-90030	8L 01 45 01
11664C	OPER & SERV MAN MAN CHANGE	MAR81 11664-90033 FEB84 11664-90033	APR85 11664-90034	8L 01 45 01
11665A	OPER & SERV MAN	MAR73 11665-90009	SEP85 11665-90010	8L 01 45 01
11665B	OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL73 11665-90011 MAR82 11665-90022 JAN83 11665-90022	JUN74 11665-90012* MAR85 11665-90023	01 45 02 8L 01 45 01
11666A	OPER & SERV MAN MAN CHANGE	OCT75 11666-90002 FEB84 11666-90002	MAR85 11666-90003	8L 01 45 02

1311B-003
1317A

DESCRIPTION ***

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11667A		OPER & SERV MAN MAN CHANGE	SEP74 SEP84	11667-90003 11667-90003	APR85	11667-90004	8L 01 45 01					
11668A		OPER & SERV MAN	JAN82	11668-90002	APR85	11668-90003	8L 01 45 01					
11672A		OPER NOTE OPER & SERV MAN	OCT72 MAR78	11672-90002 11672-90004	SEP77 APR78	11672-90003* 11672-90005	8L 01 10 01 8L 01 10 01	USE 11672A FICHE 11672-90005				
11673A		OPER NOTE	FEB72	11673-90001	APR72	11673-90002	8L 01 53 01					
11683A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	AUG73 JAN80 NOV84	11683-90001 11683-90005 11683-90005	JUN75 FEB85	11683-90002* 11683-90006	01 04 01 8L 01 04 01	USE 11683A FICHE 11683-90006				
11687A		OPER & SERV MAN	MAR73	11687-90002	SEP85	11687-90003	8L 01 04 01					
11690A		OPER & SERV MAN	DEC82	11690-90002	FEB83	11690-90003	8L 01 10 01					
11691D		OPER & SERV MAN OPER & SERV MAN	MAR74 OCT77	11691-90006 11691-90008	APR74 DEC77	11691-90007* 11691-90009	01 04 01 8L 01 04 01	USE 11691D FICHE 11691-90009				
11692D		OPER & SERV MAN OPER & SERV MAN	MAR74 OCT77	11691-90006 11691-90008	APR74 DEC77	11691-90007* 11691-90009	01 04 01 8L 01 04 01	USE 11692D FICHE 11691-90009				
11693A		OPER & SERV MAN	AUG74	11693-90004	SEP85	11693-90005	8L 01 45 01					
11694A		OPER & SERV MAN	NOV73	11694-90003	SEP85	11694-90004	8L 01 45 01					
11697A		OPER & SERV MAN	JUN74	11697-90001	SEP85	11697-90002	8L 01 04 01					
11697B		OPER & SERV MAN	JUN74	11697-90001	SEP85	11697-90002	8L 01 04 01					
11697C		OPER & SERV MAN	JUN74	11697-90001	SEP85	11697-90002	8L 01 04 01					
11698A		OPER NOTE MAN CHANGE	JUL74 MAR78	11698-90001 11698-90001	APR78	11698-90002	8L 01 10 01					
11699A		OPER NOTE	JUN75	11699-90001	MAY81	11699-90002	8L 01 10 01					
11699A-004		OPER NOTE	SEP75	11699-90003	SEP75	11699-90004	8L 01 10 01					
117		OPER & SERV MAN MAN CHANGE	JAN74 MAR75	04917-90000 04917-90000	JUN75	04917-90004	01 38 01					
117A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 117A-2B 117A-5	NOV68 DEC74	00117-9029 00117-9029	DEC84 MAY78	00117-9031	8L 01 02 02					
								- NBS-A TO UT2 TRANSLATOR - WN MOD TO ELIMINATE ERRATIC LINEAR PHASE DETECTOR OPERATION.SUPERS 117A-1,3A,4.				
11707A		OPER & SERV MAN MAN CHANGE	JUN75 SEP75	11707-90006 11707-90006	SEP77	11707-90007	8L 01 10 01					
11710A		OPER & SERV MAN	OCT76	11710-90002	APR78	11710-90003	8L 01 10 01					

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1317A-00

1317A-00

1317A-00

1317A-05

1317A-05

1317A-05

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1317A-05

1317A-05

1317A-05

1317A-60

1317A-60

1317A-63

1317A-90

1317B

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117	OPER & SERV MAN MAN CHANGE	JAN74 04717-90000 MAR75 04917-90000	JUN75 04917-90004	01 38 01
117A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 117A-2B 117A-5	NOV68 00117-9029 DEC74 00117-9029	DEC84 00117-9031	8L 01 02 02
			MAY78	
			- NBS-A TO UT2 TRANSLATOR	
			- WN MOD TO ELIMINATE ERRATIC LINEAR PHASE DETECTOR OPERATION.SUPERS 117A-1,3A,4.	
11707A	OPER & SERV MAN MAN CHANGE	JUN75 11707-90006 SEP75 11707-90006	SEP77 11707-90007	8L 01 10 01
11710A	OPER & SERV MAN	OCT76 11710-90002	APR78 11710-90003	8L 01 10 01

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***
11710A		MAN CHANGE	JAN78	11710-90002	APR78	11710-90003	8L	01	10	01						
11710B		OPER & SERV MAN MAN CHANGE	AUG77 MAR84	11710-90005 11710-90005	SEP84	11710-90006	8L	01	10	01						
11711A		OPER & SERV MAN	MAR80	11711-90004	MAY80	11711-90005	8L	01	04	01						
11712A		OPER MAN OPER MAN MAN CHANGE	FEB77 SEP82 MAR84	11712-90001 11712-90004 11712-90004	MAY82 AUG84	11712-90002* 11712-90005	8L	01	04	01	USE 11712A FICHE 11712-90005					
11713A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 11713A-1	MAY80 OCT82 JUL85 JAN80	11713-90007 11713-90009 11713-90011 WO SER 1850A &	JUL80 APR85 NOV85 JUL80	11713-90008* 11713-90010* 11713-90012	8L	01	04	02	USE 11713A FICHE 11713-90010	USE 11713A FICHE 11713-90012				
11714A		OPER NOTE MAN CHANGE	FEB79 FEB79	11714-90001 11714-90001	JUN79	11714-90002	8L	01	04	01						
11715A		OPER & SERV MAN MAN CHANGE	SEP79 MAY85	11715-90004 11715-90004	SEP85	11715-90005	8L	01	10	02						
11716A		OPER NOTE	JAN79	11716-90004	FEB79	11716-90005	8L	01	04	01						
11716B		OPER NOTE	JAN79	11716-90004	FEB79	11716-90005	8L	01	04	01						
11717A		OPER NOTE	SEP79	11717-90001	MAY80	11717-90002	8L	01	04	01						
11720A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL77 DEC80 NOV84	11720-90002 11720-90007 11720-90007	AUG80 FEB85	11720-90003* 11720-90008	8L	01	04	01	USE 11720A FICHE 11720-90008					
11721A		OPER & SERV MAN	APR80	11721-90002	MAY80	11721-90003	8L	01	04	01						
11726A		OPER NOTE MAN CHANGE	MAR83 JAN85	11726-90001 11726-90001	JUN85	11726-90002	8L	01	04	01						
11729A		SERV NOTE SET BELOW 11729A/B-1	FEB85	WO ALL SER.REC	JUL85	IF AMPLF ASSY REPL										
11729B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 11729A/B-1 11729B-3	NOV84 MAR85	11729-90015 11729-90015	JUN85	11729-90016	8L	01	04	04						
			FEB85	WO ALL SER.REC	JUL85	IF AMPLF ASSY REPL										
			FEB85	WA SER 2345A &		BELOW.MOD TO INPR A7G5/C8 REL										
11790B		SOFTWARE REF MAN MAN CHANGE	FEB83 SEP83	08953-90013 08953-90013	DEC83	08953-90015	8L	01	10	04						
11790B-630		SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L	01	10	04						
11790B-650		SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L	01	10	04						
11790B-655		SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L	01	10	04						

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1321A

1321A-057

1321B

1330

1330A

1331A

1331A-H12

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11729A/B-1	11729B-3	FEB85	WA SER 2345A & BELOW	MOD TO INPR	A7C5/C8	REL
11790B	SOFTWARE REF MAN MAN CHANGE	FEB83	08953-90013	DEC83	08953-90015	8L 01 10 04
11790B-630	SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L 01 10 04
11790B-650	SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L 01 10 04
11790B-655	SOFTWARE REF MAN	FEB83	08953-90013	MAY83	08953-90015	8L 01 10 04

1331A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
11792A		OPER & SERV MAN	MAR85	11792-90008	MAY85	11792-90009	8L	01	10	01	
118		OPER & SERV MAN MAN CHANGE	JUL70 JUN77	04918-90006 04918-90006	NOV77	04918-90010	8L	01	38	01	
11850A		OPER & SERV MAN	MAR85	11850-90002	JUL85	11850-90003	8L	01	45	01	
11850A-H26		OPER & SERV MAN MAN CHANGE	JAN80 OCT84	11850-90014 11850-90014	MAR85	11850-90015	8L	01	45	01	
11850B		OPER & SERV MAN	MAY85	11850-90009	JUL85	11850-90010	8L	01	45	01	
11851A		OPER & SERV MAN OPER & SERV MAN	APR76 NOV78	11851-90001 11851-90005	FEB77 OCT83	11851-90002* 11851-90006	8L	01	45	01	USE 11851A FICHE 11851-90006
11854A		OPER & SERV MAN	JUL76	11854-90001	NOV78	11854-90002	8L	01	45	01	
11859A		OPER & SERV MAN	NOV80	11859-90001	JUN81	11859-90003	8L	01	45	01	
11859B		OPER & SERV MAN	DEC82	11859-90006	FEB83	11859-90009	8L	01	45	02	
11860A		FIELD INSTALL MAN	JAN77	11860-90001	AUG85	11860-90002	8L	01	45	01	
11861A		INSTRUCT MAN	DEC76	11861-90001	MAY82	11861-90002	8L	01	45	01	
11863D		OPER & PROG MAN	JAN81	11863-90011	MAR81	11863-90012	8L	01	45	01	
11863E		OPER & PROG MAN OPER & SERV MAN MAN CHANGE	JUN82 JAN83 JAN84	11863-90022 11863-90026 11863-90026	SEP82 MAR85	11863-90023* 11863-90027	8L	01	45	01	USE 11863E FICHE 11863-90027
11864A		OPER & SERV MAN MAN CHANGE	SEP78 MAY85	11864-90002 11864-90002	JUL85	11864-90003	8L	01	45	02	
11867A		OPER NOTE	DEC79	11867-90001	APR84	11867-90002	8L	01	53	01	
11869A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	AUG80 MAR83 OCT84	11869-90001 11869-90006 11869-90006	NOV80 MAR85	11869-90002* 11869-90007	8L	01	45	02	USE 11869A FICHE 11869-90007
11870A		OPER NOTE	DEC79	11870-90001	APR84	11870-90002	8L	01	53	01	
11873A		OPER & PROG MAN	JUL82	11873-90006	SEP82	11873-90007	8L	01	45	02	
11975A		OPER & SERV MAN	JUN83	11975-90001	APR84	11975-90002	8L	01	53	02	
120A		OPER & SERV MAN MAN CHANGE A MAN CHANGE BACKDATE	JAN61 SEP67 JUN62	120A-900 120A-900 120A-900	FEB78	120A-800	8L	01	08	02	
120A/B		SERV NOTE SET BELOW			MAY78						
		120A-1	-	SER 350 + DOWN. TRIG GEN MOD							
		120A-2A	-	SER 950 + DOWN. LV RECT TUBE REPLACMNT							
		120A-3A	-	HV PWR SUPPLY ASY REPLACMNT							

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1331A/C/E

1331C

1331C-016

1332A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
120A/B		120A-1	-	TEST PROCEDURES							

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11/75A	OPER & SERV MAN	JUN63 11973-90001	APR64 11973-90002	8L 01 53 02
120A	OPER & SERV MAN	JAN61 120A-900	FEB78 120A-800	8L 01 08 02
	MAN CHANGE A	SEP67 120A-900		
	MAN CHANGE BACKDATE	JUN62 120A-900		
120A/B	SERV NOTE SET BELOW		MAY78	
	120A-1	-	SER 350 + DOWN.TRIG GEN MOD	
	120A-2A	-	SER 950 + DOWN.LV RECT TUBE REPLACMNT	
	120A-3A	-	HV PWR SUPPLY ASY REPLACMNT	

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 35
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
120A/B		120A-1 120A-1B 120A-1 120A-7 120B-1 120B-2A 120B-3	- - NOV63 JUL68 APR66 DEC63 JUL68	- - TEST PROCEDURES INT GRAD CRT MODIFICATION SINGLE SWEEP MOD KIT HV CIRCUIT MOD FOR INCR RELIABILITY SINGLE SWEEP MOD KIT SER 247-01501 + DOWN.MOD TO RUGGEDIZE CRT SHIELD MOUNT HV CIRCUIT MOD FOR INCR RELIABILITY							
120AR-H13		OPER & SERV MAN	DEC61	120A-901	SEP71	120A-801		01	08	02	
120B		OPER & SERV MAN MAN CHANGE	NOV66 AUG71	120B-903 120B-903	JAN72	120B-803		01	08	02	
120B-H77		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JAN00 DEC68 FEB69	00120-93901 00120-93902 00120-93902	APR75 OCT71	00120-93801 00120-93802		01	08	01 02	
1200A		OPER & SERV MAN MAN CHANGE	NOV76 JAN84	01200-90904 01200-90904	MAR84	01200-90804	8L	01	08	03	
1200A/B		SERV NOTE SET BELOW			OCT85						
		1200A/B-1A 1200A-2 1200A-3A 1200A/B-4A CONT'D 1200A/B-5A 1200A/B-6 1200A/B-7 1200A-8-S	JAN79 JAN69 SEP69 OCT74 AUG79 NOV73 JUL84 MAR85	WO SER 1202A & BELOW.REC LOW VOLT REG TRANSISTOR REPL. SER 846 & UP.NEW MODEL # FOR 1200 SER WO 1200A SER 849-00551 & DOWN;1200B SER 849-00541 & DOWN.ADDITIONAL HV OSCIL TRANSTR MOD WO 1200A SER 1047A01396 & DOWN;1200B SER 0931A00973 & DOWN.MORE PROTECTION FOR PREAMPLIFIER BOARDS WN ALL SER.A6Q4 PREFERRED REPLACEMENT WO ALL SER.NUT ADAPTER FOR INTENSIY POT WN ALL SER.REC CRT REPL WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
1200B		OPER & SERV MAN MAN CHANGE	NOV76 JAN84	01200-90904 01200-90904	MAR84	01200-90804	8L	01	08	03	
1201A		OPER & SERV MAN MAN CHANGE	JAN83 OCT79	01201-90905 01201-90905	MAR84 FEB80	01201-90805 01201-90805	8L	01	08	03 03	
1201A/B		SERV NOTE SET BELOW			OCT85						
		1200-3A 1201A/B-1A 1201A/B-2A 1201A/B-3A CONT'D 1201A/B-4 1201A/B-5A 1201A/B-6 1201A/B-7/1208A/ H11-11/1208B/H20-1 1201A/B-8/1207A/B-7 1201A/B-OPT009-1 1201A/B-9 1201A/B-10-S	SEP69 JUL69 JAN71 OCT74 FEB73 AUG79 NOV73 MAY75 JUL76 APR70 JAN79 MAR85	WO 1201A SER 849-00551 & DOWN.1201B SER 849-00541 & DOWN. MOD TO IMPROVE RELIABILITY WO SER 901 & DOWN.ERASE TIME MODIFICATN WO SER 924 & DOWN.MOD TO WRITE SW WO 1201A SER 117A00616 & DOWN.1201B SER 112QA00296 & DOWN. INPUT PREAMP PROTECTION WHEN MAKING PWR MEASUREMENTS WO 1201A SER 1234A & DOWN.120B SER 1245A & DOWN. LOSS OF INTENSITY CONTROL WN ALL SER.PREF REPL FOR A6Q4 WO NUT ADAPTER FOR INTENSITY POT. WO 1201A SER 1234A & DOWN.1201B SER 1245A & DOWN.PREF REPL FOR RESIST R5 & R6 ON HV BRD WN 1201A SER 1234A & DOWN.1201B SER 1245A & DOWN.MOD TO CRT SER 924 & DOWN.PREF REPL FOR VR6 ON STORAGE PULSE BOARD HP P/N 01201-66502 WO SER 1331A & BELOW.REC LOW VOLTAGE REGULATOR TRANSISTOR REPL. WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
1201B		OPER & SERV MAN MAN CHANGE	JAN83 OCT79	01201-90905 01201-90905	MAR84 FEB80	01201-90805 01201-90805	8L	01	08	03 03	

1078

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1332A

1332A-C35

1332A-C39

1332A-C50

1332A-C52

1332A-H01

1332A-X95

1332A-551

1333A

1333A-H18

1333A-X95

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1202A		OPER & SERV MAN MAN CHANGE	NOV71 AUG77	01202-90902 01202-90902	NOV84	01202-90802	8L	01	08	03	

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H11-11/1208B/H20-1
 1201A/B-8/1207A/B-7 JUL76 WN 1201A SER 1234A & DOWN.1201B SER 1245A & DOWN.MOD TO CRT
 1201A/B-OPT009-1 APR70 SER 924 & DOWN.PREF REPL FOR VR6 ON STORAGE PULSE BOARD HP P/N 01201-66502
 1201A/B-9 JAN79 WO SER 1331A & BELOW.REC LOW VOLTAGE REGULATOR TRANSISTOR REPL.
 1201A/B-10-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1201B OPER & SERV MAN JAN83 01201-90905 MAR84 01201-90805 8L 01 08 03
 MAN CHANGE OCT79 01201-90905 FEB80 01201-90805 8L 01 08 03

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 36
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1202A OPER & SERV MAN NOV71 01202-90902 NOV84 01202-90802 8L 01 08 03
 MAN CHANGE AUG73 01202-90902
 OPER NOTE MAY71 5951-1217

1202A/B SERV NOTE SET BELOW OCT85
 1200A-1 NOV68 WO 1202A SER 808-00221 & DOWN.1202AR SER 839-00236 & DOWN IMPR LV REGLTR TRANSTR REPL
 1200A-2 NOV68 WO 1202AR SER 846 & ABOVE.NEW MODEL DESIGNATION FOR 1200 SERIES
 12003A SEP69 WO 1202A SER 849-00271 & DOWN.1200B SER 849-00281 & DOWN.MOD TO IMPR RELIABILITY
 1202A/B-1A OCT74 WO 1202A SER 1044A00631 & DOWN.1202B SER 0931A00491 & DOWN.IMPVT PREAMP PROTECTION WHEN
 CONT'D MAKING PWR MEASUREMENTS
 1202A/B-1A AUG79 WN ALL SER.PREF REPL FOR A6Q4
 1202A/B-1A NOV73 WO ALL SER.NUT ADAPT FOR INTENSITY POT
 1202A-4-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1202B OPER & SERV MAN NOV71 01202-90902 NOV84 01202-90802 8L 01 08 03
 MAN CHANGE AUG73 01202-90902
 OPER NOTE MAY71 5951-1217

1205A OPER & SERV MAN JUL70 01205-90902 JUN75 01205-90802* 01 08 03 USE 1205B FICHE 01205-90803

1205A/B SERV NOTE SET BELOW OCT85
 1200A-1 NOV68 WO 1205A SER 839-00271 & DOWN.1205AR SER 808-00240 & DOWN.IMPR LV REGLTR TRANSTR REPL
 1200A-2 JAN69 1205AR SER 846 & ABOVE.NEW MODEL DESIG FOR 1200 SERIES
 1200-3A SEP69 WO 1205A SER 849-00421 & DOWN.MOD TO IMPR RELIABILITY
 1205A/B-1 MAY71 WO 1205A SER 1045A00946 & DOWN.1205B SER 0931A00841 & DOWN.IMPVT PREAMP PROTECTION WHEN
 CONT'D MAKING PWR MEASUREMENTS
 1205A/B-2A AUG79 WN ALL SER.PREF REPL FOR A6Q4
 1205A/B-3 NOV73 WO ALL SER.NUT ADAPT FOR INTENSITY POT
 1205A/B-4 JUL84 WN ALL SER.REC CRT REPL
 1205A-5-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1205B OPER & SERV MAN JUL70 01205-90902 JUN75 01205-90802* 01 08 03 USE 1205B FICHE 01205-90803
 OPER & SERV MAN JUL82 01205-90903 OCT82 01205-90803 8L 01 32 03

1206A OPER & SERV MAN MAR72 01206-90902 JUN75 01206-90802 01 08 03
 MAN CHANGE OCT74 01206-90902

1206A/B SERV NOTE SET BELOW OCT85
 1200A-1 NOV68 WO 1206A SER 808-00211 & DOWN.1206AR SER 839-00226 & DOWN.IMPR LV REGLTR TRANSTR REPL
 1200A-2 JAN69 1206AR SER 846 & ABOVE.NEW MODEL DESIG FOR 1200 SERIES
 1200-3A SEP69 WO 1206A SER 849-00271 & DOWN.1206B SER 849-00261 & DOWN.MOD TO IMPR RELIABILITY
 1206A/B-1 MAY71 WO 1206A SER 1044A00471 & DOWN.1206B SER 0931A00391 & DOWN.IMPVT PREAMP PROTECTION WHEN
 CONT'D MAKING PWR MEASUREMENTS
 1206A/B-2 OCT73 WN ALL SER.PREF REPL FOR A6Q4.
 1206A/B-3 NOV73 WO ALL SER.NUT ADAPT FOR INTENSITY ROT.
 1206A-4-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1206B OPER & SERV MAN MAR72 01206-90902 JUN75 01206-90802 01 08 03
 MAN CHANGE OCT74 01206-90902

1207A OPER & SERV MAN OCT71 01207-90903 JUN75 01207-90803 01 08 04
 MAN CHANGE APR72 01207-90903

1207A/B SERV NOTE SET BELOW OCT85

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1335A

1335A-C20

1335A-H01

1335A-H22

1335A-X95

1336A

1336A-005

1336P

1336P-C06

1336P-C16

1336S

1340A

1340A-C05

1340A-C18

1340A-H05

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1207A/B 1201A/B-OPT 009-1 APR70 1207A SER 922 & DOWN.1207B SER 924 & DOWN.PREF REPL FOR VR6 ON STORAGE-PULSE BOARD
 CONT'D HP P/N 01201-66502
 1207A/B-1A JUL69 WO SER 901 & DOWN.MOD TO STANDARDIZE ERASE TIME
 1207A/B-2A JUN71 WO 1207A SER 922 & DOWN.1207B SER 924 & DOWN.MOD TO FIT M MOMENTARY WRITE CUN TURN-ON

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1340A-H05

1345A

1200B	OPER & SERV MAN MAN CHANGE	MAR72 01208-90902 OCT74 01206-90902	JUN75 01206-90802	01 08 03
1207A	OPER & SERV MAN MAN CHANGE	OCT71 01207-90903 APR72 01207-90903	JUN75 01207-90803	01 08 04
1207A/B	SERV NOTE SET BELOW		OCT85	

1340A-C05
1340A-C18
1340A-H05

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*** DESCRIPTION ***											
1207A/B		1201A/B-OPT 009-1 CONT'D 1207A/B-1A 1207A/B-2A CONT'D 1207A/B-3 CONT'D 1207A/B-4 1207A/B-5A 1207A/B-6 1207A-7-S 1201A/B-8/1207A/B-1	APR70	1207A SER 922 & DOWN. HP P/N 01201-66502	1207B SER 924 & DOWN. PREF REPL FOR VR6 ON STORAGE-PULSE BOARD						
			JUL69	WO SER 901 & DOWN. MOD TO STANDARDIZE ERASE TIME							
			JUN71	WO 1207A SER 922 & DOWN. AFTER ERASURE	1207B SER 924 & DOWN. MOD TO ELIM MOMENTARY WRITE GUN TURN-ON						
			MAY71	WO 1207A SER 0979A00191 & DOWN. MAKING PWR MEASUREMENTS	1207B SER 1118A00246 & DOWN. IMPUT PREAMP PROTECTION WHEN						
			FEB73	WO SER 1212A & DOWN. INTENSITY CNTRL LOSS							
			AUG79	WN ALL SER. PREF REPL FOR A6Q4							
			NOV73	WO ALL SER. NUT ADAPT FOR INTENSITY POT.							
			MAR85	WA SAFETY:ALL SER. POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
			JUL76	WN 1207A SER 1132A & DOWN. 1207B SER 1133A & DOWN. MOD TO CRT							
1207B		OPER & SERV MAN MAN CHANGE	OCT71 01207-90903 APR72 01207-90903		JUN75 01207-90803					01 08 04	
1208A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR71 01208-90907 APR75 01208-90907		FEB85 01208-90807					8L 01 08 02	
		1200A-2 1200-3A 1201A/B-OPT 009-1 1208A/OPTNH11-1 1208AH11/H12-1A H11-1208A-2 1208A-3 H11-1208A-4 H11-1208A-5 H11-1208A-6/ 133A/C-4 H11-1208A-7/ 1330A-3/1331A/C-7 H11-1208A-8/ 1330A-5/1331A/C-9 H11-1208A-9 H11-1208A-10 1201A/B-7/1208A/ H11-11/1208B/H20-1 H11-1208A-12 H11-1208A-13 1208A-14-S	JAN69	1208A SER 846 & ABOVE. NEW MODEL DESIGNATION FOR 1200 SERIES.							
			SEP69	WO 1208A SER 849-00126 & DOWN. 1208B SER 849-00141 & DOWN. MOD TO IMPR RELIABILITY							
			APR70	SER 965 & DOWN. PREF REPL FOR VR6 ON STORAGE-PULSE BOARD HP P/N 01201-66502.							
			APR70	SER 922 & BELOW. PREF REPL FOR 1A2C1 & 1A2C2							
			JAN71	WO SER922-00321 & BELOW. MOD TO ELIM MOMENTARY WRITE GUN TURN-ON AFTER ERASURE.							
			MAR73	WN SER 1130A & DOWN. CHANGES ON STORAGE PULSE ASSEMBLY A4.							
			AUG73	WN SER 1212A & DOWN. MOD TO IMPR STORAGE UNIFORMITY							
			AUG73	WO SER 1306A & DOWN. HIGH VOLTAGE OSCIL DOUBLE-MODING & PREF REPL FOR A6Q4							
			SEP73	WO SER 1330A & DOWN. POT TRACE SHRT PROB							
			DEC73	WN ALL SER. TIPS FOR RECOGNIZING & IDENTIFYING STORAGE CRT PROBLEMS							
			MAY74	WO SER 1330A & DOWN. PREF REPL FOR HV RECTIFIER DIODES							
			JUN74	WN ALL SER. IMPR PWR TRANSTR CONN METHOD							
			DEC74	WN ALL SER. PREF REPL FOR A6Q3							
			JAN75	WA SER 1330A & DOWN. PREF REPL FOR A3CR1 + A3CR2							
			MAY75	WO 1208A/H11 SER 1242A & DOWN. 1208B/H20 SER 0971A & DOWN. PREF REPL FOR RESIST R5 & R6 ON HV BOARD							
			AUG79	WN SER 1306A & BELOW. PREF REPL FOR HI V OSC							
			AUG79	WN SER 1330A & BELOW. PREF REPL FOR A6Q4							
			MAR85	WA SAFETY:ALL SER. POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
1208A-H11		OPER & SERV MAN MAN CHANGE	NOV72 01208-90908 APR75 01208-90903		SEP85 01208-90808					8L 01 08 02	
1208B		OPER & SERV MAN MAN CHANGE	APR71 01208-90907 APR75 01208-90907		FEB85 01208-90807					8L 01 08 02	
1208B-H20		OPER & SERV MAN	MAY71 01208-90906		SEP74 01208-90806					01 08 02	
1215A		OPER & SERV MAN	JUL71 01215-90902		JUN75 01215-90802					01 08 03	
1215A/B		SERV NOTE SET BELOW									
		1215A/B-1A 1215A/B-2			OCT85						
			AUG79	WN ALL SER. PREF REPL FOR A6Q4							
			NOV73	WO ALL SER. NUT ADAPT FOR INTENSITY POT							

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1345A

1345A-003

1346A

1346A-003

1347A

1349A

1349D

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135 DTA

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*** DESCRIPTION ***											
1215A/B		1215A-3-S	MAR85	WA SAFETY:ALL SER. POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
1215AB		OPER & SERV MAN	JUL71 01215-90902		JUN75 01215-90802					01 08 03	
1215B		OPER & SERV MAN	JUL71 01215-90902		JUN75 01215-90802					01 08 03	

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1215A OPER & SERV MAN JUL71 01215-90902 JUN75 01215-90802 01 08 03
 1215A/B SERV NOTE SET BELOW OCT85
 1215A/B-1 AUG79 WN ALL SER.PREF REPL FOR A6Q4
 1215A/B-2 NOV73 WO ALL SER.NUT ADAPT FOR INTENSITY POT

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1215A/B 1215A-3-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1215AB OPER & SERV MAN JUL71 01215-90902 JUN75 01215-90802 01 08 03

1215B OPER & SERV MAN JUL71 01215-90902 JUN75 01215-90802 01 08 03

1217A OPER & SERV MAN OCT71 01217-90901 APR74 01217-90801 01 08 04
 MAN CHANGE JAN74 01217-90901

1217A/B SERV NOTE SET BELOW OCT85
 1217A/B-1 APR70 SER 947 & DOWN.PREF REPL FOR A3Q29,30,35, & 36
 1217A/B-2 AUG79 WN ALL SER.PREF REPL FOR A6Q4
 1217A/B-3 NOV73 WO ALL SER.NUT ADAPT FOR INTENSITY POT.
 1217A-4-S MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE

1217B OPER & SERV MAN OCT71 01217-90901 APR74 01217-90801 01 08 04
 MAN CHANGE JAN74 01217-90901

122A/AR OPER & SERV MAN AUG66 00122-90901 MAY75 00122-90801 01 08 02
 MAN CHANGE AUG67 00122-90901
 MAN SUPP JAN00 00122-90901

122A-1A SERV NOTE SET BELOW OCT78
 122A-2A AUG63 MOD TO REPL SWEEP/HORIZ SWITCH
 122A-3A INT GRAD CRT MOD KIT
 122A-4 OCT65 MOD FOR SINGLE SWEEP OPERATION
 122A-5 OCT65 SER 521 & DOWN.PWR XFMR REPLACEMENT
 JUL68 WO SER 521-07401 & DOWN.MOD TO IMPROVE HV CIRCUIT

1220A OPER & SERV MAN FEB74 01220-90001 APR78 01220-90051 8L 01 B1 02
 MAN CHANGE A DEC75 01220-90001
 MAN CHANGE B FEB78 01220-90001
 MAN CHANGE US APR75 01220-90001
 OPER & SERV MAN JUN75 5951-8795 AUG75 5951-8796 * 8L 01 B1 04 USE 1220A FICHE 01220-90802
 OPER & SERV MAN JAN79 01220-90902 JAN80 01220-90802* 8L 01 B1 02 USE 1220A FICHE 01220-90808
 OPER & SERV MAN MAY82 01220-90908 OCT82 01220-90808 8L 01 32 02
 INSTALL INSTRUC DEC83 01220-90909 FEB84 01220-90809 8L 01 08 01
 INSTALL INSTRUC DEC83 01220-90910 FEB84 01220-90810 8L 01 08 01
 INSTALL INSTRUC DEC83 01220-90911 FEB84 01220-90811 8L 01 08 01

1220A-1 SERV NOTE SET BELOW OCT85
 1220A-2 APR74 WO SER 1322600361 & UP.CHOPPER OSCIL MOD
 1220A-3/1221A-1 MAY74 WN SER 1461A01300 & DOWN.LO FREQ TRIGGER
 1220A-4/1221A-2 MAY74 WN ALL SER.REMOVAL & REPL OF ASSEMBLIES
 1220A-5 JUN74 WN ALL SER.NORMAL TRIGGER MODE
 1220A-6/1221A-3 JUL74 WN SER 1416A01815 & UP.NEW SAFTY PLATE
 1220A-7 AUG74 WN ALL SER.TV SYNC SEPARATOR CHECK
 1220A-8/1221A-4 AUG74 WA ASTIGMATISM ADJUSTMENT
 1220A-9 SEP74 WN ALL SER.SERVICING INFORMATION
 1220A-10 OCT74 WO SER 1416A-02340 & DOWN.TRIGGERING AT LOW AMPLITUDES
 1220A-11A OCT74 WO ALL SER.DC TRACE SHIFT
 1220A-12 AUG76 WO ALL SER.HIGH VOLTAGE REGULATOR ADJUST
 1220A-13/1221A-5 OCT74 WO ALL SER.REPL OF CAP A1C401, A1C402, & A1C407
 1220A-14 NOV74 WN ALL SER.TROUBLESHOOTING TIPS
 1220A-15 DEC74 WA SER 1416A02656 TO 1416A02760.SWEEP PROBLEMS IN 1 MICROSEC TO 50 SEC RANGE
 1220A-16/1221A-6 DEC74 WO ALL SER.INSULATOR CAPS
 DEC74 WN ALL SER.SERVICE KIT.

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11/08/85 MODEL NUMBER O C

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135A

135C/135CM

1350A

1350S

13505A

1351A

1351A-001

1351A-002

1351A-900

1351A-901

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1220A 1220A-17 DEC74 WO SER 1416A03150 & DOWN.HV BOARD MOD
 1220A-18/1221A-7 DEC74 WO ALL SER.ANTISTATIC SOLUTION
 1220A-19/1221A-8 FEB75 WN ALL SER.IMPR HEAD SINK INSULATION
 1220A-20 FEB75 WO SER 1416A-03970 & DOWN.SWEEP PROBLEM
 1220A-21A AUG78 WO SER 1814A, 1814S & BELOW.REC CRT REPL
 1222A-1

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1351A-902

1351A-904

1351A-905

1220A-13/1221A-5
 1220A-14
 1220A-15
 1220A-16/1221A-6

NOV74 WN ALL SER.TROUBLESHOOTING TIPS
 DEC74 WA SER 1416A02656 TO 1416A02760.SWEEP PROBLEMS IN 1 MICROSEC TO 50 SEC RANGE
 DEC74 WO ALL SER.INSULATOR CAPS
 DEC74 WN ALL SER.SERVICE KIT.

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 1351A-901

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
1220A		1220A-17 1220A-18/1221A-7 1220A-19/1221A-8 1220A-20 1220A-21A 1222A-1 1220A-23/1221A-11/ 1222A-3 1220A-24 1220A-26A CONT'D 1220A-3 1220A-27	DEC74 DEC74 FEB75 FEB75 AUG78	WO WO WN WO WO	SER 1416A03150 & DOWN.HV BOARD MOD ALL SER.ANTISTATIC SOLUTION ALL SER.IMPR HEAD SINK INSULATION SER 1416A-03970 & DOWN.SWEEP PROBLEM SER 1814A, 1814S & BELOW.REC CRT REPL							
		1220A-23/1221A-11/ 1222A-3 1220A-24 1220A-26A CONT'D 1220A-3 1220A-27	MAR76 JUL76 JUL83	WO WO WO	REC RESIST CHANGE A2A1R2 FROM .25 WATT TO.50 WATT IN 200 VOLT SUPPLY SUPERSEDES 1220A-22/1221A-10/1222A-2 SER 1609A.PREF PRTS REPL TO IMPR REL OF +95 VOLT SUPPLY & INTENSITY LIMIT CIRCUIT SER 1341A THRU 1709A.REC REPL FOR COUPLER SHAFTS MP25 & INSTEN & FOCUS POTMETER, A3R9 & R14							
		1220A-3 1220A-27	DEC78 AUG85	WN WA	REPL OF OBSOLETE BOARDS ALL SER.MOD TO PREV POT HANDLE BREAKAGE							
1220A-007		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	JUN75 JAN79 MAY82	5951-8795 01220-90902 01220-90908	AUG75 5951-8796 * 8L 01 08 04 USE 1220A-007 FICHE 01220-90802 JAN80 01220-90802* 8L 01 32 02 USE 1220A-007 FICHE 01220-90808 OCT82 01220-90808 8L 01 32 02							
1221A		OPER & SERV MAN MAN CHANGE A MAN CHANGE B MAN CHANGE US SERV NOTE SET BELOW 1220A-3/1221A-1 1220A-4/1221A-2 1220A-6/1221A-3 1220A-8/1221A-4 1220A-13/1221A-5 1220A-16/1221A-6 1220A-18/1221A-7 1220A-19/1221A-8 1220A-21/1221A-9/ 1222A-1 1220A-23/1221A-11/ 1222A-3 1221A-3	FEB74 DEC75 FEB78 APR75	01220-90001 01220-90001 01220-90001 01220-90001	APR78 01220-90051 8L 01 B1 02 OCT80 MAY74 WN ALL SER.REMOVAL & REPL OF ASSEMBLIES JUN74 WN ALL SER.NORMAL TRIGGER MODE AUG74 WN ALL SER.TV SYNC SEPARATOR CHECK SEP74 WN ALL SER.SERVICING INFORMATION NOV75 WN ALL SER.TROUBLESHOOTING TIPS DEC74 WN ALL SER.SERVICE KIT DEC74 WO ALL SER.ANTISTATIC SOLUTION FEB75 WN ALL SER.IMPR HEAD SINK INSULATION OCT75 WO SERVICE PROCEDURES TO REPL CRT							
		1220A-23/1221A-11/ 1222A-3 1221A-3	MAR76 NOV78	WO WN	REC RESIST CHANGE A2A1R2 FROM .25 WATT TO .50 WATT IN 200 VOLT SUPPLY.SUPER 1220A-22 /1221A-10/1222A-2 REPL OF OBSOLETE BOARDS							
1222A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN INSTALL INSTRUC INSTALL INSTRUC INSTALL INSTRUC SERV NOTE SET BELOW 1222A-1A 1222A-1 1222A-2 1222A-3 1220A-23/1221A-11/ 1222A-3 1222A-3 1222A-4 1222A-5	APR76 FEB78 JUN75 JAN79 MAY82 DEC83 DEC83 DEC83 AUG78	01222-90003 01222-90003 5951-8795 01222-90902 01222-90908 01220-90909 01220-90910 01220-90911	APR78 01222-90503 8L 01 B1 02 AUG75 5951-8796 * 8L 01 B1 04 USE 1222A FICHE 01222-90802 JAN80 01222-90802 8L 01 B1 02 PFX 1341A THRU 1809A OCT82 01222-90808 8L 01 32 02 SEE TITLE PAGE FOR OPTIONS LISTED FEB84 01220-90809 8L 01 08 01 FEB84 01220-90810 8L 01 08 01 FEB84 01220-90811 8L 01 08 01 OCT85 AUG78 WO SER 1809A, 1809S & BELOW.REC CRT REPL							
		1222A-1 1222A-2 1222A-3 1220A-23/1221A-11/ 1222A-3 1222A-3 1222A-4 1222A-5	JUL76 JUL76 MAR76	WO WO WO	SER 1540A & DOWN.MOD TO ELIM CHNL "A" RINGING ALL A SER.MOD TO IMPR REL OF +95 V PWR SUPPLY & INTENSITY LIMIT CIRCUIT REC CHANGE RESIST A2A1R2 FROM .24 WATT TO .50 WATT IN 210 VOLT SUPPLY.SUPER 1220A-22 /1221A-10/1222A-2							
		1222A-3 1222A-4 1222A-5	DEC78 AUG76 JAN77	WN WO WO	REPL OF OBSOLETE BOARDS ALL SER.MOD TO IMPR HIGH VOLTAGE REGLTR ADJUSTMENT ALL SER.IMPROVED KNOBS							

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1351A-902
1351A-904
1351A-905
1351A-906
1351A-908
1351A-909
1351S
1351S
1351S
136
136A
1360S
140A
140B
140S

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1222A		1222A-6 CONT'D 1222A-7	JUN83 AUG85	WN WA	SER 1341A THRU 1709A.REC REPL FOR COUPLER SHAFTS MP25 & INSTEN & FOCUS POTMETER, A3R9 & R14 ALL SER.MOD TO PREV POT HANDLE BREAKAGE						
1223A		PRELIM OP & SVC MAN OPER & SERV MAN	DEC76 AUG79	01223-90002 01223-90003	APR78 01223-90502* 8L 01 B1 02 USE 1223A FICHE 01223-95003 NOV79 01223-95003 8L 01 B1 03						

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NUMBER

140S
140T

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MODEL
NUMBER

140S
140T

1222A-3
1222A-4
1222A-5

DEC78 WN REPL OF OBSOLETE BOARDS
AUG76 WO ALL SER.MOD TO IMPR HIGH VOLTAGE REGLTR ADJUSTMENT
JAN77 WO ALL SER.IMPROVED KNOBS

140S

MAN
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1222A		1222A-6 CONT'D 1222A-7	JUN83	WN SER 1341A THRU 1709A.	REC REPL FOR COUPLER SHAFTS MP25 & INSTEN & FOCUS POTMETER, A3R9 & R14						
			AUG85	WA ALL SER.MOD TO PREV POT HANDLE BREAKAGE							
1223A		PRELIM OP & SVC MAN OPER & SERV MAN	DEC76	01223-90002	APR78 01223-90502*	8L 01 B1 02	USE 1223A FICHE 01223-95003				
			AUG79	01223-90003	NOV79 01223-95003	8L 01 B1 03					
123A		OPER & SERV MAN OPER & SERV MAN	JAN77	00123-99002	DEC78 00123-99052*	8L 01 33 02	USE 123A FICHE 00123-90054				
			DEC78	00123-90004	JAN79 00123-90054	8L 01 33 02					
1230A		OPER & SERV MAN MAN CHANGE	FEB76	01230-90002	DEC76 01230-90502	8L 01 B1 02					
			AUG76	01230-90002							
12533A		SERV NOTE SET BELOW 12533A-1/12534A-1/ 12550A-1/12567A-1	SEP70	WO DATE CODE BELOW G-702-6.	MOD FOR DECR SUSCEPTBLY TO ENVIRONMENTAL NOISE	JUL80					
12534A		SERV NOTE SET BELOW 12533A-1/12534A-1/ 12550A-1/12567A-1	SEP70	WO DATE CODE BELOW G-702-6.	MOD FOR DECR SUSCEPTBLY TO ENVIRONMENTAL NOISE	JUL80					
12550A		SERV NOTE SET BELOW 12533A-1/12534A-1/ 12550A-1/12567A-1	SEP70	WO DATE CODE BELOW G-702-6.	MOD FOR DECR SUSCEPTBLY TO ENVIRONMENTAL NOISE	JUL80					
12564A		SERV NOTE SET BELOW 12564A-1	JAN70	WO MOD TO IMPR REL OF SIGN BIT		MAY78					
12567A		SERV NOTE SET BELOW 12533A-1/12534A-1/ 12550A-1/12567A-1	SEP70	WO DATE CODE BELOW G-702-6.	MOD FOR DECR SUSCEPTBLY TO ENVIRONMENTAL NOISE	JUL80					
12661A		SERV NOTE SET BELOW 12661A-2	OCT70	WO DATE CODE BELOW A-902-6.	MOD TO PREV POSSIBILITY OF RANDOM OUTPUTS.SUPERS 12661A-1	MAY78					
12722A		SERV NOTE SET BELOW 12722A-1 12722A-2	JUN74	NOT AVAILABLE ALL SER;SUPER P12722A-1.UPDATE OF SERVICE KIT		MAY78					
12723A		SERV NOTE SET BELOW 12723A-1B	APR73	ALL SER.LIST OF KIT COMPON FOR SERVICING THE 2310C & 2312A SUBSYSTEMS		MAY78					
12750B		SERV NOTE SET BELOW 12750B-1	DEC73	WO SER 1202A TO 1317A.C21 CHNG IF Q18 REPLACED		MAY78					
12770A		SERV NOTE SET BELOW 12770A-1 CONT'D	NOV73	WA ALL SER.MOD TO PREV SYSTEM LOCK-UP WHEN USED WITH HP 3480B & HP 2570A COUPL WITH PIN BOARD PROGRAMMER		MAY78					
12797A		SERV NOTE SET BELOW 12797A-1	MAY71	WO DATE CODES BELOW 61106-6.	MOD TO PREV INCORRECT DATA TRANSFER	MAY78					
12800A		SERV NOTE SET BELOW 12800A-1	DEC70	WO DATE CODES BELOW 1039-6.	MOD TO PREV ERRONEOUS CHARACTER PUNCH	MAY78					

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140T-580

140T-908

1400A

1400B

1401A

1402A

1403A

1404A

1405A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 41
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
12940A		SERV NOTE SET BELOW 12940A-1 CONT'D	JUN80	WA DATE CODES K9-81000 THRU K9-81500 & L9-80000 THRU L9-81750.	DISC CARTRIDGE EXCHANGE PROGRAM	OCT80					
130A		OPER & SERV MAN MAN CHANGE	AUG61	130A-900	JAN76 130A-800	8L 01 08 02					
			JUL62	130A-900							
130B		OPER & SERV MAN MAN CHANGE	JAN62	130B-900	DEC83 130B-800	8L 01 08 02					
			MAY67	130B-900							

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1405A-H06

1406A

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MAN

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MAN

SERV

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 42
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1300A-H82 H82-1300A-3/1308A-7/1309A-7 H82-1300A-4 SEP73 WN SER 1204A & DOWN.PREF REPL FOR A6, A6F1, & A6F4
 JUN76 WO ALL SER.MOD TO RED POSSIBILITY OF HIGH FREQ OSCILLATION

1302A SERV NOTE SET BELOW APR82
 1302A-1 SEP79 WN SER 1643A & BELOW.PREF PARTS REPL TO INCREASE REL OF X & Y AMPLIFIERS
 1302A-2 JUN80 WA SER 1643A & BELOW.MOD TO IMPR REL
 1302A-3 MAR80 WN SER 1721A & BELOW.PREF REPL FOR ASTIGMATISM POT
 1302A-4A JAN82 WA SER 1920A & 1951A.MOD KIT TO IMPROVE REL OF +158 V PWR SUPPLY
 1302A-5 NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRDDOWN OF POST ACCELERATOR CONN

1304A OPER & SERV MAN NOV77 01304-90902 APR82 01304-90802 8L 01 08 02
 MAN CHANGE MAR82 01304-90902
 OPER NOTE NOV77 01304-90903 JAN78 01304-90803 8L 01 08 01
 SERV NOTE SET BELOW OCT82
 1304A-1 SEP79 WN SER 1715A & BELOW.PREF PARTS REPL TO INCREASE REL OF Z AMPLIFIER
 1304A-2 JUN80 WA SER 1715A & BELOW.MOD TO IMPR REL
 1304A-3 MAR80 WN SER 1715A & BELOW.PREF REPL FOR ASTIGMATISM POT
 1304A-4A AUG81 WA SER 1715A & 1920A.MOD KIT THAT IMPROVES REL OF +158V PWR SUPPLY
 1304A-5A SEP81 WN SER 1920A FOR OPT C15.PREF REPL FOR A1 MOTHERBOARD 01304-93020
 1304A-6 NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN
 1304A-7 APR82 WO ALL SER.DEFECTIVE COMPON ALERT

1304A-C06 MOD SHEET APR81 01304-90907 JUN81 01304-90807 8L 01 08 01

1304A-C14 MOD SHEET APR81 01304-90908 JUN81 01304-90808* 8L 01 08 01 USE 1304A-C14 FICHE 01304-90813
 MOD SHEET JAN00 01304-90913 SEP83 01304-90813 8L 01 08 01

1304A-C15 MOD SHEET DEC81 01304-90911 JAN82 01304-90811* 8L 01 08 01 USE 1304A-C15 FICHE 01304-90814
 MOD SHEET JAN00 01304-90914 SEP83 01304-90814 8L 01 08 01

1304A-H02 MOD SHEET OCT81 01304-90912 DEC81 01304-90812 8L 01 08 01

1308A SERV NOTE SET BELOW JAN80
 1308A-1 APR70 SER 955 & DOWN.REPLACEMENT OF CRT
 1308A-2 MAR72 WO SER 1148A00440 & DOWN.CRT PROTECTION CIRCUIT LOADING ERROR
 1308A-3 APR72 WO SER 1122A & DOWN.RED VERTICAL DRIFT & DC OFFSET
 1308A-4 DEC72 WO SER 1222A & DOWN.SWEEP GEN HANGUP.
 1308A-5 APR73 WN SER 1303A & DOWN.NEW CRT GRATICULE.
 1308A-6 AUG73 WO SER 1315A & DOWN.ADDN OF HEAT SINKS ON X/Y OUTPUT STAGE TRANSISTORS
 H82-1300A-3/1308A-7 SEP73 WN SER 1222A & DOWN.PREF REPL FOR A9, A9F1 & A9F4
 /1309A-7
 1308A-9/1309A-9 DEC74 WN ALL SER.PREF REPL FOR A4Q3, A4Q4, A4Q9, & A4Q10
 1300A-10/1308A-10/ JAN75 WO 1308A SER 1444A & DOWN.PREF REPL FOR HV OSCIL TRANSTR & REQ MOD IF HV OSCIL TRANSTR
 1309A-10 IS REPL.SUPER 1300A-9/1308A-8/1309A-8
 1308A-11 AUG75 WO SER 1522A & DOWN.REC CIRCUIT CHANGES FOR IMPR INTENSITY STABILITY
 1308A-12 JUL77 WN SER 0967A & BELOW.MOD KIT 5061-0853 FOR IMPROVED CRTS
 1308A-13B MAY78 WO ALL SER.REQUIRED MOD IF HIGH-VOLTAGE OSCILLATOR IS REPLACED

1309A SERV NOTE SET BELOW JAN79
 1300A-7 APR70 SER 958 & DOWN.PREF REPL FOR 1300A/A4C5 & 1309A/A6C5
 1309A-1 MAR69 WO FUSE CHANGE
 1309A-2 JAN72 WO SER 915 TO 1147A00846.CRT PROTECTION CIRCUIT LOADING ERROR
 1309A-3 APR72 WO SER 1142 & DOWN.RED VERTICAL DRIFT & DC OFFSET
 1309A-4 APR73 WN ALL SER.ERROR IN MANUAL CHANGE SHEETS

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

141B/S/T 141S-1
 141A/S-
 141B/T-
 141BT-2
 141T-3
 141T-4
 141T-5
 141B/T-
 141T-7E
 141B-7
 141T-8
 141T-9
 141T-10
 141T-11
 141T-12
 141T-13

141S OPER & MAN CHA

141T OPER & OPER & MAN CHA INSTALL

1410A OPER & MAN CHA SERV NO 1410A-1 1410A-2

1411/ OPER & MAN CHA SERV NO 1411A-1 1411A-2 1411A-3 1411A-4 1411A-5

1415A OPER & MAN CHA SERV NO 1415A-1 1415A-2 1415A-3 1415A-4 1415A-5 1415A-6 1415A-7 1415A-8 1415A-9 1415A-10 1415-11

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1309A 1309A-5 AP73 WN SER 1252 & DOWN.NEW CRT GRATICULE
 1309A-6 AUG73 WO SER 1318A & DOWN.ADDN OF HEAT SINKS ON X/Y OUTPUT STAGE TRANSTR
 H82-1330A-3/ SEP73 WN SER 1252A & DOWN.PREF REPL FOR A9, A9F1, & A9F4
 1308A-7/1309A-7
 1308A-9/1309A-9 DEC74 WN ALL SER.PREF REPL FOR A4Q3, A4Q4, A4Q9, & A4Q10
 1300A-10/1308A-10/ JAN75 WO 1309 SER 1441A & DOWN.PREF REPL FOR HV REG ASSY & HV OSCIL TRANSTR & REQ MOD IF HV
 1309A-10 OSCIL IS REPL.SUPER 1300A-9/1308A-8/1309A-8
 1309A-11 AUG75 WO SER 1525A & DOWN.REC CIRCUIT CHANGES FOR IMPR INTENSITY STABILITY
 1309A-12 APR77 WN SER 0958A & BELOW.MOD KIT 5061-0853 FOR IMPROVED CRTS
 1309A-13B MAY78 WO ALL SER.REQUIRED MOD IF HIGH VOLTAGE OSCILLATOR IS REPLACED

1310A OPER & SERV MAN JUN71 5951-1195 AUG73 5951-1196 * 01 08 03 USE 1310A FICHE 5955-2410

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1415A 1415A-1

1415A-H08 OPER & :

1416A OPER & : MAN CHA SERV NO 1416A-1

1420A OPER & : MAN CHA SERV NO

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1309A

1309A-5
1309A-6
H82-1330A-3/
1308A-7/1309A-7
1308A-9/1309A-9
1300A-10/1308A-10/
1309A-10
1309A-11
1309A-12
1309A-13BAPR73 WN SER 1252 & DOWN.NEW CRT GRATICULE
AUG73 WO SER 1318A & DOWN.ADDN OF HEAT SINKS ON X/Y OUTPUT STAGE TRANSTR
SEP73 WN SER 1252A & DOWN.PREF REPL FOR A9, A9F1, & A9F4
DEC74 WN ALL SER.PREF REPL FOR A4Q3, A4Q4, A4Q9, & A4Q10
JAN75 WO 1309 SER 1441A & DOWN.PREF REPL FOR HV REG ASSY & HV OSCIL TRANSTR & REQ MOD IF HV
OSCIL IS REPL.SUPER 1300A-9/1308A-8/1309A-8
AUG75 WO SER 1525A & DOWN.REC CIRCUIT CHANGES FOR IMPR INTENSITY STABILITY
APR77 WN SER 0958A & BELOW.MOD KIT 5061-0853 FOR IMPROVED CRTS
MAY78 WO ALL SER.REQUIRED MOD IF HIGH VOLTAGE OSCILLATOR IS REPLACED

1310A

OPER & SERV MAN
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OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE
MAN SUPP B
SERV NOTE SET BEL
1310A-1
1310A-2
1310A-3
1310A-4
1310A-5
1310A-6
1310A-7A/1311A-7A
1310A-8B/1311A-8B
1310A9/1311A-9
1310A-10/1311A-10
1310A-11/1311A-11
1310A-12/1311A-12
1310A-13/1311A-13/
1317A-1/1321A-1
1310A-14/1311A-14/
1317A-2/1321A-2
1310A-15/1311A-15/
1317A-3/1321A-3
1310-16
1310A-17/1311A-18
1310A-18
1310A-19-S
1310A-20
1310A-21JUN71 5951-1195 AUG73 5951-1196 * 01 08 03 USE 1310A FICHE 5955-2419
JUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A FICHE 5955-2419
MAY75 5951-8791 JUL75 5951-8792 * 8L 01 08 03 USE 1310A FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
AFA79 5955-2418
SEP76 5955-2418
APR82
MAY72 WO SER 1148A & DOWN.INTERMITTENT OR FLICKERING DISPLAY INTENSITY
MAY72 WO SER 1148A00215 & DOWN.INSUFFICIENT HV
SEP72 WO SER 1148 & DOWN.PHOSPHOR PROTECTION CIRCUIT REACTION TIME REDUCTION
OCT72 WN ALL SER.SERVICE TOOL
FEB73 WN HV TRANSFORMER REPLACEMENT
APR73 WN SER 1301A & DOWN.CORRECTION FOR DRIVE DEFOCUSING
JUN74 WN 1310A SER 1301A & DOWN.IMPR HV PWR SUPPLY
SEP74 WN 1310A SER 1406A & DOWN.MOD TO RED COUPLING BETWEEN 2-AXIS INPUT & X/Y INPUTS
OCT73 WN SER 1316A.PREF REPL FOR A5.
OCT73 WN ALL SER.STOCK NUMBERS FOR ORDERING MASK ASSY
NOV73 WO SER 1316A & DOWN.POSSIBILITY OF INSUFFICIENT GAIN RANGE AFTER REPLA1U2 OR A3U2
AUG74 WN ALL SER.REPL PN FOR PWR INDICATOR LAM P & FRONT MASK ASSY
JAN75 WN ALL SER.REC REPL &/OR SPARE PRINTED CIRCUIT BOARD ASSY
JUL75 ALL SER.PREF REPL FOR CIRCUIT BOARDS & ASSEMBLIES
JUL75 WO ALL SER.NOISE BAR IN DISPLAY
AUG75 WO SER 1520 & DOWN.REPL PN FOR A1U1 &/OR A3U1
FEB77 WA ALL SER.PWR TRANSF PN ERROR
OCT77 WN ALL SER.IMPR REL X-Y&Z AXIS AMPLIFIER
AUG78 WO SAFETY.SER 1812A01656 & BELOW.ELIM POT HZRD.
MAR81 WA SER 1921A.MOD TO IMPROVE REL OF 250V LOW VOLTAGE POWER SUPPLY
NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN

1310A-C27

OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE
MAN SUPP BJUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A-C27 FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
APR79 5955-2418
SEP76 5955-2418
BACK-DATES TO ALL SERIALS

1310A-003

OPER & SERV MAN
OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE
MAN SUPP BJUN71 5951-1195 AUG73 5951-1196 * 01 08 03 USE 1310A-003 FICHE 5955-2419
JUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A-003 FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
APR79 5955-2418
SEP76 5955-2418
BACK-DATES TO ALL SERIALS

1310A-005

OPER & SERV MAN

JUN71 5951-1195 AUG73 5951-1196 * 01 08 03 USE 1310A-005 FICHE 5955-2419

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1415A-12

1415A-H08

OPER & S

1416A

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MAN CHAN
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1416A-1

1420A

OPER & S
MAN CHAN
SERV NOT
1420A-1
1420A-2
1420A-3A
1420A-4A
CONT'D
1420A-5A
1420A-6

1421A

OPER & S
MAN CHAN
SERV NOT
1421A-1A
1421A-2A
1421A-3
1421A-4
CONT'D
1421A-5

1421A-C40

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1422A

OPER & S
MAN CHAN

1423A

OPER & S
MAN CHAN
MAN CHAN
SERV NOT
1423A1
CONT'D
1423A-2
1423A-3A

1424A

OPER & S
SERV NOT
1424A-1
1424A-2
1424A-3A
1424A-4
1424A-5

1425A

OPER & S
MAN CHAN
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1310A-005

OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE
MAN SUPP BJUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A-005 FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
APR79 5955-2418
SEP76 5955-2418
BACK-DATES TO ALL SERIALS

1310A-006

OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE
MAN SUPP BJUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A-006 FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
APR79 5955-2418
SEP76 5955-2418
BACK-DATES TO ALL SERIALS

1310A-008

OPER & SERV MAN
OPER & SERV MAN
OPER & SERV MAN
MAN CHANGEJUL74 5951-8723 JUN75 5951-8724 * 01 08 04 USE 1310A-008 FICHE 5955-2419
MAY75 5951-8791 JUL75 5951-8792 * 8L 01 08 03 USE 1310A-008 FICHE 5955-2419
OCT76 5955-2418 MAY79 5955-2419 8L 01 08 03
APR79 5955-241811/08/85
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1425A

1425A-1
1425A-2
1425A-3
1425A-4
1425A-5

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OPER & SE
MAN CHAN

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SERV NOTE
143A-1
143A-2
143A-3
143A-4

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1310A-005		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	*	01 8L	08 01	04 08	USE 1310A-005 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-006		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	*	01 8L	08 01	04 08	USE 1310A-006 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-008		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 MAY75 OCT76 APR79 SEP76	5951-8723 5951-8791 5955-2418 5955-2418 5955-2418	JUN75 JUL75 MAY79	5951-8724 5951-8792 5955-2419	*	01 8L 8L	08 01 01	04 08 08	USE 1310A-008 FICHE 5955-2419 USE 1310A-008 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-009		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	*	01 8L	08 01	04 08	USE 1310A-009 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-057		OPER & SERV MAN MOD	JUL79	5955-5080	OCT79	5955-5081		8L	01	08	01
1310A-604		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01 01 8L	08 08 01	03 04 08	USE 1310A-604 FICHE 5955-2419 USE 1310A-604 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-607		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01 01 8L	08 08 01	03 04 08	USE 1310A-607 FICHE 5955-2419 USE 1310A-607 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-639		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01 01 8L	08 08 01	03 04 08	USE 1310A-639 FICHE 5955-2419 USE 1310A-639 FICHE 5955-2419 BACK-DATES TO ALL SERIALS
1310A-905		OPER & SERV MAN MAN CHANGE MAN SUPP B	OCT76 APR79 SEP76	5955-2418 5955-2418 5955-2418	MAY79	5955-2419		8L	01	08	03 BACK-DATES TO ALL SERIALS
1310B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1310B-1 1313B-2	OCT80 NOV81 NOV81 DEC83	01310-90903 01310-90908 01310-90908 01310-90908	NOV81 MAR84	01310-90803* 01310-90808	8L 8L	01 01	08 08	03 03	USE 1310B FICHE 01310-90808 JAN83 NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN SEP82 WA ALL SER.ELPL BLUE STRIPE BD EXCHANGE PROG
1310B-003		MOD SHEET	NOV81	01310-90907	FEB82	01310-90807		8L	01	08	01
1311A		OPER & SERV MAN	JUN71	5951-1195	AUG73	5951-1196	*	01	08	03	USE 1311A FICHE 5955-2419

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1425A		1425A-1 1425A-2 1425A-3 1425A-4 1425A-5
143A		OPER & SER MAN CHANGE
143A/S		SERV NOTE 143A-1 143A-2 143A-3 143A-4 143S-1 143S-2
143S		OPER & SER MAN CHANGE
1430A		OPER & SER SERV NOTE 1430A-1
1430B		OPER & SER
1430C		OPER & SER
1431A		OPER & SER SERV NOTE 1431A-1
1432A		OPER & SER
14533B		OPER & SER
14534A		OPER & SER
14543A		OPER & SER
14550A		DRIVER PRO MAN CHANGE
14550B		OPER & SER MAN CHANGE
14570A		OPER & SER
14700A		SERV NOTE 6942A-1
14703A		INSTALL MA
14704A		INSTALL NO

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 45
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1311A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B SERV NOTE SET BELOW 1311A-1 1311A-2 1311A-3 1311A-4 1311A-5 1310A-7A/1311A-7A 1310A-8B/1311A-8B 1310A-9/1311A-9 1310A-10/1311A-10	JUL74 MAY75 OCT76 APR79 SEP76	5951-8723 5951-8791 5955-2418 5955-2418 5955-2418	JUN75 JUL75 MAY79	5951-8724 5951-8792 5955-2419	*	01 8L 8L	08 01 01	04 08 08	USE 1311A FICHE 5955-2419 USE 1311A FICHE 5955-2419 BACK-DATES TO ALL SERIALS
			MAR72	NO SER 1148A & DOWN. INTERMITTENT OR FLICKERING DISPLAY INTENSITY							
			MAY72	NO SER 1148A00161 & DOWN. INSUFFICIENT HV							
			SEP72	NO SER 1148 & DOWN. PHOSPHOR PROTECTION CIRCUIT REACTION TIME REDUCTION							
			OCT72	WN ALL SER. SERV TOOL-EXTENDER CABLE FOR A12 & A14							
			FEB73	WN ALL SER. HV TRANSF REPL							
			JUN74	WN 1311A SER 1238A & DOWN. IMPR HV PWR SUPPLY							
			SEP74	WN SER 1405A & DOWN. MOD TO RED COUPLING BETWEEN 2-AXIS INPUT & X/Y INPUTS							
			OCT73	WN SER 1310A. PREF REPL FOR A5.							
			OCT73	WN ALL SER. STOCK NUMBERS FOR ORDERING MASK ASSEMBLIES							

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
14704B		INSTALL NOT
14704C		INSTALL NOT
14717A		INSTALL NOT
14718A		INSTALL NOT
14751A		SERV NOTE S 14751A-1
14752A		PROG REFER
150A		OPER & SERV SERV NOTE S

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1311A	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 MAY75 OCT76 APR79 SEP76	5951-8723 5951-8791 5955-2418 5955-2418 5955-2418	JUN75 JUL75 MAY79	5951-8724 5951-8792 5955-2419	* * 8L	01 08 04 01 08 03 01 08 03	USE 1311A FICHE 5955-2419 USE 1311A FICHE 5955-2419
	SERV NOTE SET BELOW							BACK-DATES TO ALL SERIALS
	1311A-1	MAR72	WO SER 1148A & DOWN. INTERMITTENT OR FLICKERING DISPLAY INTENSITY					
	1311A-2	MAY72	WO SER 1148A00161 & DOWN. INSUFFICIENT HV					
	1311A-3	SEP72	WO SER 1148 & DOWN. PHOSPHOR PROTECTION CIRCUIT REACTION TIME REDUCTION					
	1311A-4	OCT72	WN ALL SER. SERV TOOL-EXTENDER CABLE FOR A12 & A14					
	1311A-5	FEB73	WN ALL SER. HV TRANSF REPL					
	1310A-7A/1311A-7A	JUN74	WN 1311A SER 1238A & DOWN. IMPR PWR SUPPLY					
	1310A-8B/1311A-8B	SEP74	WN SER 1405A & DOWN. MOD TO RED COUPLING BETWEEN Z-AXIS INPUT & X/Y INPUTS					
	1310A-9/1311A-9	OCT73	WN SER 1316A. PREF REPL FOR A5.					
	1310A-10/1311A-10	OCT73	WN ALL SER. STOCK NUMBERS FOR ORDERING MASK ASSEMBLIES					
	1310A-11/1311A-11	NOV73	WO SER 1316A & DOWN. POSSIBILITY OF INSUFFICIENT GAIN RANGE AFTER REPL A1U2 OR A3U2					
	1310A-12/1311A-12	AUG74	WN ALL SER. REPL PN FOR PWR INDICATOR LAMP & FRONT MASK ASSEMBLIES					
	1310A-13/1311A-13/ 1317A-1/1321A-1	JAN75	WN ALL SER. REC REPL &/OR SPARE PRINTED CIRCUIT BOARD ASSEMBLIES					
	1310A-14/1311A-14/ 1317A-2/1321A-2	JUL75	ALL SER. PREF REPL FOR CIRCUIT BOARDS & ASSEMBLIES					
	1310A-15/1311A-15/ 1317A-3/1321A-3	JUL75	WO ALL SER. NOISE BAR IN DISPLAY					
	1311A-16	AUG75	WO SER 1449A & DOWN. PREF REPL FOR A1U1 &/OR A3U1 NOT AVAILABLE					
	1311A-17							
	1310A-17/1311A-18	FEB77	WA ALL SER. PWR TRANSFORMER PART NO. ERROR					
	1311A-19	OCT77	WN ALL SER. IMPR REL X-Y&Z AXIS AMPLIFIER					
	1311A-19-S	AUG78	WO SAFETY. SER 1552A01477 & BELOW. ELIM POT HZRD.					
	1311A-20	OCT80	WA SER PFX 1915A ONLY. NEW RFI SUPP CAP A11C8 TO IMPR REL OF 250V LO VLTG PWR SUPPLY					
	1311A-21	NOV81	WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN					
1311A-C27	OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	* 8L	01 08 04 01 08 03	USE 1311A-C27 FICHE 5955-2419
								BACK-DATES TO ALL SERIALS
1311A-003	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 JUN75 MAY79	5951-1196 5951-8724 5955-2419	* * 8L	01 08 03 01 08 04 01 08 04 01 08 03	USE 1311A-003 FICHE 5955-2419 USE 1311A-003 FICHE 5955-2419
								BACK-DATES TO ALL SERIALS
1311A-005	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 JUN75 MAY79	5951-1196 5951-8724 5955-2419	* * 8L	01 08 03 01 08 04 01 08 04 01 08 03	USE 1311A-005 FICHE 5955-2419 USE 1311A-005 FICHE 5955-2419
								BACK-DATES TO ALL SERIALS
1311A-006	OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	* 8L	01 08 04 01 08 03	USE 1311A-006 FICHE 5955-2419
								BACK-DATES TO ALL SERIALS
1311A-008	OPER & SERV MAN OPER & SERV MAN	JUL74 MAY75	5951-8723 5951-8791	JUN75 JUL75	5951-8724 5951-8792	* * 8L	01 08 04 01 08 03	USE 1311A-008 FICHE 5955-2419 USE 1311A-008 FICHE 5955-2419

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14704B	INSTALL NOTE
14704C	INSTALL NOTE
14717A	INSTALL NOTE
14718A	INSTALL NOTE
14751A	SERV NOTE SE 14751A-1
14752A	PROG REFER M
150A	OPER & SERV I SERV NOTE SE 150A-1 150A-2 150A-3 150A-4 150A-5 150A-6 150A-7 150A-8 150A-9B 150A-14B 150A-16
150AR	OPER & SERV I
151A	OPER & SERV I MAN CHANGE
151B	OPER & SERV I MAN CHANGE
15105A	SERV NOTE SE 15105A-G-1
15119C	OPER & SERV I
15141A	SERV NOTE SE 15141A-1A
15179A	INSTALL INST
152A	SERV NOTE SE 152A-1
15254A	OPER & SERV I
15263A	OPER & SERV I
153A	OPER & SERV I
154A	OPER & SERV I

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1311A-008		OPER & SERV MAN MAN CHANGE MAN SUPP B	OCT76 APR79 SEP76	5955-2418 5955-2418 5955-2418	MAY79	5955-2419	8L	01	08	03	BACK-DATES TO ALL SERIALS	
1311A-009		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUL74 OCT76 APR79 SEP76	5951-8723 5955-2418 5955-2418 5955-2418	JUN75 MAY79	5951-8724 5955-2419	*	01	08	04	USE 1311A-009 FICHE 5955-2419	
1311A-057		OPER & SERV MAN MOD	JUL79	5955-5080	OCT79	5955-5081	8L	01	08	01		
1311A-604		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01	08	03	USE 1311A-604 FICHE 5955-2419 USE 1311A-604 FICHE 5955-2419	
1311A-607		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01	08	03	USE 1311A-607 FICHE 5955-2419 USE 1311A-607 FICHE 5955-2419	
1311A-639		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP B	JUN71 JUL74 OCT76 APR79 SEP76	5951-1195 5951-8723 5955-2418 5955-2418 5955-2418	AUG73 JUN75 MAY79	5951-1196 5951-8724 5955-2419	*	01	08	03	USE 1311A-639 FICHE 5955-2419 USE 1311A-639 FICHE 5955-2419	
1311A-905		OPER & SERV MAN MAN CHANGE MAN SUPP B	OCT76 APR79 SEP76	5955-2418 5955-2418 5955-2418	MAY79	5955-2419	8L	01	08	03	BACK-DATES TO ALL SERIALS	
1311B		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 1311B-1A-S 1311B-1 1311B-2 1311B-3 1311B-4 1311B-5 1311B-6	FEB80 SEP80 NOV83	01311-90907 01311-90912 01311-90920	APR80 MAR83 FEB84 JAN83	01311-90807* 01311-90812* 01311-90820	8L	01	08	03	USE 1311B FICHE 01311-90812 USE 1311B FICHE 01311-90820	
1311B-003		MOD SHEET	NOV81	01310-90907	FEB82	01310-90807	8L	01	08	01		
1317A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1310A-13/1311A-13/ 1317A-1/1321A-1 1310A-14/1311A-14/ 1317A-2/1321A-2 1310A-15/1311A-15/	JAN77 OCT81 JAN75 JUL75 JUL75	01317-90905 01317-90905	NOV81	01317-90805	8L	01	08	02	APR82 WN ALL SER.REC REPL &/OR SPARE PRINTED CIRCUIT BOARD ASSEMBLIES ALL SER.PREF REPL FOR CIRCUIT BOARDS & ASSEMBLIES WO ALL SER.NOISE BAR IN DISPLAY	

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154A
15413A
15414A
15424A
15425A
155A
1550A
15506A
15507A
15508B
15508C
15509A
15509B
15510A
15511A
15515B
15516A
15517A
15518A
15518B
15518C
15519A
15520A

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023

1311B-4		JUL81	WO	ALL	SER.	MOD	TO	IMPR	REL	OF	THE	A6	FOCUS	BD.		
1311B-5		NOV81	WN	ALL	SER.	APPLICATION	OF	HV	GREASE	TO	PREVENT	ARCING/BRKDOWN	OF	POST	ACCELERATOR	CONN
1311B-6		SEP82	WA	ALL	SER.	ELPL	BLUE	STRIPE	BD	EXCHANGE	PROG					
1311B-003	MOD SHEET	NOV81	01310-90907	FEB82	01310-90807	8L	01	08	01							
1317A	OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
	SERV NOTE SET BELOW	OCT81	01317-90905	APR82												
	1310A-13/1311A-13/ 1317A-1/1321A-1	JAN75	WN	ALL	SER.	REC	REPL	&/OR	SPARE	PRINTED	CIRCUIT	BOARD	ASSEMBLIES			
	1310A-14/1311A-14/ 1317A-2/1321A-2	JUL75		ALL	SER.	PREF	REPL	FOR	CIRCUIT	BOARDS	&	ASSEMBLIES				
	1310A-15/1311A-15/	JUL75	WO	ALL	SER.	NOISE	BAR	IN	DISPLAY							

15516A
15517A
15518A
15518B
15518C
15519A
15520A

DESCRIPTION ***

005

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*** DESCRIPTION ***											*** DESCRIPTION ***						
1317A		1317A-3/1321A-3 1317A-4 1317A-5 1317A-6-S 1317A-7 1317A-8	AUG75	WO	SER	1510A	&	DOWN.	REPL	PN	FOR	A1U1	&/OR	A3U1			
			OCT77	WN	ALL	SER.	IMPR	REL	X-Y&Z	AXIS	AMPLIFIER						
			AUG78	WO	SAFETY.	SER	1649A00600	&	BELOW.	ELIM	POT	HZRD.					
			MAR81	WA	SER	1916A.	MOD	TO	IMPROVE	REL	OF	250V	LOW	VOLTAGE	POWER	SUPPLY	
			NOV81	WN	ALL	SER	APPLICATION	OF	HV	GREASE	TO	PREVENT	ARCING/BRKDOWN	OF	POST	ACCELERATOR	CONN
1317A-005		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-006		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-008		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-050		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-051		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-052		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-053		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-054		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-055		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-057		OPER & SERV MAN MOD	JUL79	5955-5080	OCT79	5955-5081	8L	01	08	01							
1317A-604		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-607		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-639		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317A-905		OPER & SERV MAN MAN CHANGE	JAN77	01317-90905	NOV81	01317-90805	8L	01	08	02							
1317B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	FEB82	01317-90910	MAR83	01317-90810*	8L	01	08	03	USE	1317B	FICHE	01317-90812			
		SERV NOTE SET BELOW	AUG83	01317-90912	MAR84	01317-90812	8L	01	08	03							
		1317B-1	NOV83	01317-90912	JAN83												
		1317B-2	NOV81	WN	ALL	SER	APPLICATION	OF	HV	GREASE	TO	PREVENT	ARCING/BRKDOWN	OF	POST	ACCELERATOR	CONN
			SEP82	WA	ALL	SER.	ELPL	BLUE	STRIPE	BD	EXCHANGE	PROG					

15520C
15521A
15521B
15522A
15522C
15524A
15525A
15526A
15530A
15533A
15533B
15537A
15549A
15550A
15550C
15570A
15575A
15575B
15575C
15575D
15575E

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*** DESCRIPTION ***											*** DESCRIPTION ***				

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1317A-639	OPER & SERV MAN MAN CHANGE	JAN77 01317-90905 OCT81 01317-90905	NOV81 01317-90805	8L 01 08 02	
1317A-905	OPER & SERV MAN MAN CHANGE	JAN77 01317-90905 OCT81 01317-90905	NOV81 01317-90805	8L 01 08 02	
1317B	OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1317B-1 1317B-2	FEB82 01317-90910 AUG83 01317-90912 NOV83 01317-90912	MAR83 01317-90810* MAR84 01317-90812	8L 01 08 03 8L 01 08 03	USE 1317B FICHE 01317-90812
			JAN83		
		NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN			
		SEP82 WA ALL SER.ELPL BLUE STRIPE BD EXCHANGE PROG			

15575A
15575B
15575C
15575D
15575E

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 48
*** DESCRIPTION ***											
132A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 132A-1 132A-2 132A-3 132A-4	MAY68 JAN70	00132-90903 00132-90903	APR71	00132-90803		01	08	03	
					MAY78						
			OCT66	SER BELOW 610-00525.PROT FOR LV SERIES REGULATOR							
			MAY68	WO REPL FOR Q621,Q641,Q661,+ Q681							
			JUL69	WO REPL FOR R578							
			SEP70	WO SER BELOW 938-01335.REPL OF TRANSISTORS Q1,Q5,Q201 + Q205							
1321A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1310A-13/1311A-13/ 1317A-1/1321A-1 1310A-14/1311A-14/ 1317A-2/1321A-2 1310A-15/1311A-15/ 1317A-3/1321A-3 1321A-4 1321A-5 1321A-6-S 1321A-7 1321A-8	FEB77 APR79	01321-90903 01321-90903	MAY79	01321-90803	8L	01	08	02	
					APR82						
			JAN75	WN ALL SER.REC REFL &/OR SPARE PRINTED CIRCUIT BOARD ASSEMBLIES							
			JUL75	ALL SER.PREF REPL FOR CIRCUIT BOARDS & ASSEMBLIES							
			JUL75	WO ALL SER.NOISE BAR IN DISPLAY							
			AUG75	WO SER 1525A & DOWN.REPL PN FOR A1U1 &/OR A3U1							
			OCT77	WN ALL SER.IMPR REL X-Y&Z AXIS AMPLIFIER							
			AUG78	WO SAFETY.SER 1646A00425 & BELOW.ELIM POT HZRD.							
			MAR81	WA SER 1915A.MOD TO IMPROVE REL OF 250V LOW VOLTAGE POWER SUPPLY							
			NOV81	WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN							
1321A-057		OPER & SERV MAN MOD	JUL79	5955-5080	OCT79	5955-5081	8L	01	08	01	
1321B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1321B-1 1321B-2	DEC81 DEC83	01321-90905 01321-90905	MAR84	01321-90805	8L	01	08	03	SEE TITLE PAGE FOR OPTIONS COVERED
					JAN83						
			NOV81	WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN							
			SEP82	WA ALL SER.ELPL BLUE STRIPE BD EXCHANGE PROG							
1330		SERV NOTE SET BELOW H06-1330A1 1330A-1 1330A-2 H11-1208A-7/ 1330A-3/1331A/C-7 1300A-4 H11-1208A-8/ 1330A-5/1331A/C-9			MAY78						
			JUL75	WO SER 1340A01260 & DOWN.PREF COMPONENTS FOR IMPROVED RELIABILITY							
			MAY72	WO SER 1150A & DOWN.2-AXIS AMPLFR & CRT PROTECTION							
			DEC72	WN ALL SER.PREF REPL FOR HV OSCILLATOR							
			MAY74	WO SER 1340A & BELOW.PREF REPL FOR HV RECTIFIER DIODES							
			MAY74	WO SER 1340A & DOWN.PREF RESIST REPL							
			JUN74	WN ALL SER.IMPR PWR TRANSTR CONNECTION METHOD							
1330A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	OCT70 APR73 JUN73 FEB75	01330-90901 01330-90901 01330-90902 01330-90902	OCT84	01330-90801	8L	01	08	02	FOR SERIAL PFXES 1200 & BELOW
					OCT84	01330-90802	8L	01	08	02	FOR SERIAL PFXES 1300A & ABOVE
1331A		OPER & SERV MAN MAN CHANGE BACK DATING SUPP OPER & SERV MAN MAN CHANGE	MAY73 DEC73 SEP73 JUN74 APR75	01331-90903 01331-90903 01331-90903 01331-90906 01331-90906	OCT84	01331-90803	8L	01	08	02	FOR SERIAL PFXES 1319A & BELOW
					JUN75	01331-90806	8L	01	08	03	FOR SERIAL PFXES 1424A & ABOVE
1331A-H12		OPER & SERV MAN MAN CHANGE BACK DATING SUPP	MAY73 DEC73 SEP73	01331-90903 01331-90903 01331-90903	MAY74	01331-90803	8L	01	08	03	FOR SERIAL PFXES 1319A & BELOW

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15575E
15575F
15575G
15575H
15578A
15578A-00
15578A-00
15578A-00
15578A-00
15578B
15578B-00
15578B-00
15578B-00
15578B-00
15580A
15580A-00
15580A-00
15580A-00
15580A-00
15580A-00
15581A

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1331A	OPER & SERV MAN MAN CHANGE BACK DATING SUPP OPER & SERV MAN MAN CHANGE	MAY73 01331-90903 DEC73 01331-90903 SEP73 01331-90903 JUN74 01331-90906 APR75 01331-90906	OCT84 01331-90803	8L 01 08 02 FOR SERIAL PFXES 1319A & BELOW
1331A-H12	OPER & SERV MAN MAN CHANGE BACK DATING SUPP	MAY73 01331-90903 DEC73 01331-90903 SEP73 01331-90903	MAY74 01331-90803	8L 01 08 03 FOR SERIAL PFXES 1319A & BELOW

15580A-003

15580A-004

15580A-005

15581A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1331A/C/E		SERV NOTE SET BELOW			MAY78						
		1331A/C/E-1	FEB71	WO SER 958.	MOD TO PREVENT FAILURE OF FILTER CAPACITOR A5C2						
		1331C-1	MAY72	WN ALL SER.	SERVICE TOOL						
		1331A/C-2	MAY72	WO SER 1149A & DOWN.	2-AXIS AMPLF & CRT PROTECTION						
		1331C-3	OCT74	WO SER 1426A & DOWN.	MOD TO PREVENT INTERMITTENT ERASING.SUPER 1331C-2.						
		H11-1208A-6/ 1331A/C-4	JAN74	WN ALL SER.	TIPS FOR RECOG & IDENT STORAGE CRT SYMPTOMS						
		1331A/C-5	MAR74	WO ALL SER.	MOD TO IMPR REL OF COLLIMATOR CONNECTION						
		1331A/C-6	MAR74	WO ALL SER.	BRIGHT FLASH AFT ERASING &/OR HV OSCIL DOUBLE-MODING.SUPER 1331A/C-3						
		H11-1208A-7/ 1330A-3/1331A/C-7	MAY74	WO 1331A SER 1319A & DOWN.	1331C SER 1318A & DOWN.PREF REPL FOR HV RECT DIODES						
		1331A/C-8	MAY74	WO 1331A SER 1319A & DOWN.	1331C SER 1318A & DOWN.PREF RESIST REPL.						
		H11-1208A-8/ 1330A-5/1331A/C-9	JUN74	WN ALL SER.	IMPR PWR TRANSTR CONNECTION METHOD						
		1331A/C-10	AUG74	WN 1331 SER 1424A & DOWN.	1331C SER 1426A & DOWN.NEW INSTRUMENT CONFIGURATION						
		1331A/C-11	OCT74	WA 1331A SER 1319A & DOWN.	1331C SER 1318A & DOWN.ADDITION OF HEAT SINK ON A5Q41						
		1331A/C-12A	MAY75	WO 1331A SER 1424A TO 1513A.	1331C SER 1503A & DOWN.INTERMITTENT ERASING.						
		1331A/C-13	DEC74	WN 1331A SER 1424A & DOWN.	1331C SER 1426A & DOWN.MOD TO ADD PATTERN CORREC ADJUSTMENT						
		1331A/C-14	DEC74	WO ALL SER.	INTERMITTENT BLOWING OF +50 VFUSE						
		1331A/C-15	MAR75	WO SER 1424A TO 1503A.	GREEN BACKGROUND REMAINING ON SCREEN AFT ERASE IN MAX PERSISTANCE						
		1331A/C-16	JUL75	WO 1331A SER 1319A & DOWN.	1331C SER 1318A & BELOW.PREF COMON FOR IMPR RELIABILITY						
		1331A/C-17	JUL75	WO 1331A SER 1424A TO 1513A.	1331C SER 1426A TO 1520A.PREF COMON FOR IMPROV RELIABILITY						
		1331A/C-18	AUG75	WO 1331A SER 1426A TO 1520A.	1331C SER 1024A TO 1513A.ELIM OF POTENTIAL SHOCK HAZZARD						
		1331A/C-19	JUN76	WO ALL SER.	CHANGE FUSE F1 FROM 1 AMP TO .50 AMP FOR IMPR PROTECT OF +12.6V SUPPLY						
		1331A/C-20	JUL76	WN 1331A 1135A & DOWN.	1331C SER 1149A & DOWN.MOD KIT FOR CRT						
1331C		OPER & SERV MAN MAN CHANGE BACK DATING SUPP OPER & SERV MAN MAN CHANGE	MAY73 01331-90904 JUN73 01331-90904 SEP73 01331-90904 JUN74 01331-90907 DEC74 01331-90907	MAY74 01331-90804	01 08 03 FOR SERIAL PFXES 1318A & BELOW						
1331C-016		OPER NOTE	JUN74 01331-90908	SEP74 01331-90808	01 08 01						
1332A		OPER & SERV MAN OPER NOTE OPER & SERV MAN OPER & SERV MAN MAN CHANGE OPER & SERV MAN INSTALL INSTR SERV NOTE SET BELOW	JUL76 01332-90904 NOV77 01332-90905 NOV77 01332-90906 MAR81 01332-90914 DEC82 01332-90914 OCT80 01332-90916 OCT80 5955-8057	NOV77 01332-90804* JAN78 01332-90805 FEB80 01332-90806* MAY83 01332-90814 NOV80 01332-90816 NOV80 5955-8058 * JUL83	8L 01 08 02 USE 1332A FICHE 01332-90806 8L 01 08 01 8L 01 08 02 USE 1332A FICHE 01332-90814 8L 01 08 03 8L 01 08 01 * 8L 01 08 01 USE 10380A/1A/2A FICHE 5957-3283						
		1332A-1B	AUG76	WA SER 1414A & DOWN.	POS LACK OF SUFFICIENT RANGE OF INTENSITY LIMIT ADJ IF CRT REPL						
		1332A-2	JUN75	WO OPT 216.	ALL SER.PREFERRED REPLACEMNTS						
		1332A-3A	APR83	WN SER 1945A & BELOW.	MOD TO IMPROV DYNAMIC RNGE						
		1332A-4	JUN76	SUPERSEDED BY 1332A-3A							
		1332A-5	APR77	WO ALL SER.	IMPR REL FOR Z-AXIS AMPLFR						
		1332A-6	SEP77	WN ALL SER.	IMPR REL X-Y&Z AXIS AMPLIFIER						
		1332A-7	DEC77	WN ALL SER.	ELIM POT CRT DAMAGE						
		1332A-8	APR78	WO ALL SER.	CRT REPL KITS						
		1332A-9B	NOV82	WO ALL SER.	PREF REPL FOR A2R90 ASTIGMATISM POT						
		1332A-10	JUL79	WO SER 1616A6800 & BELOW.	REC PARTS REPL FOR CAPS A2C16,C17,C33, & C34.						
		1332A-11	JUL79	WO SER 1616A6300 & BELOW.	MOD TO IMPROVE +158V POWER SUPPLY STABILITY.						
		1332A-12	JUL80	WO SER 1949A11824 TO 1949A13709.	IMPR REL FOR +100V PWR SUPPLY						

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15581A-001

15581A-002

15581A-003

15581A-004

15581A-005

15581B

15581B-001

15581B-002

15581B-003

15581B-004

15581B-005

15582A

15585A

15587A

15587A-001

15587A-002

15587A-003

15587A-004

15587A-005

15588A

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15588A-002

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1332A		1332A-13	NOV81	WN ALL SER.	APPLICATION OF WAX CREAM TO PREVENT ARDING/CRACKING OF CRT						

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1332A-3A
1332A-4
1332A-5
1332A-6
1332A-7
1332A-8
1332A-9B
1332A-10
1332A-11
1332A-12

APR83 WN SER 1945A & BELOW.MOD TO IMPROVE DYNAMIC RNGE
JUN76 SUPERSEDED BY 1332A-3A
APR77 WO ALL SER.IMPR REL FOR Z-AXIS AMPLFR
SEP77 WN ALL SER.IMPR REL X-Y&Z AXIS AMPLIFIER
DEC77 WN ALL SER.ELIM POT CRT DAMAGE
APR78 WO ALL SER.CRT REPL KITS
NOV82 WO ALL SER.PREF REPL FOR A2R90 ASTIGMATISM POT
JUL79 WO SER 1616A6800 & BELOW.REC PARTS REPL FOR CAPS A2C16,C17,C33, & C34.
JUL79 WO SER 1616A6300 & BELOW.MOD TO IMPROVE +158V POWER SUPPLY STABILITY.
JUL80 WO SER 1949A11824 TO 1949A13709.IMPR REL FOR +100V PWR SUPPLY

15588A

15588A-001

15588A-002

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1332A		1332A-13 1332A-14 1332A-15 1332A-16	NOV81	WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN							
1332A-C35		MOD SHEET MOD SHEET	JUN81 AUG81	01332-90920 01332-90922	AUG81 OCT81	01332-90820* 01332-90822	8L	01	08	01	USE 1332A-C35 FICHE 01332-90822
1332A-C39		MOD SHEET OPER & SERV MAN SERV NOTE SET BELOW 1332A/C39	NOV79 OCT80	01332-90908 01332-90916	FEB80 NOV80	01332-90808 01332-90816	8L	01	08	01	APR82
1332A-C50		OPER & SERV MAN SERV NOTE SET BELOW 1332A/C50-1-S	OCT80	01332-90916	NOV80 APR82	01332-90816	8L	01	08	01	DEC81 WN ALL SER SERVICE ALERT TO PREVENT POSS LINE POT AFTER SERVICING
1332A-C52		MOD SHEET	APR81	01332-90918	MAY81	01332-90818	8L	01	08	01	
1332A-H01		MOD SHEET	AUG81	01332-90923	OCT81	01332-90823	8L	01	08	01	
1332A-X95		MOD SHEET	NOV79	01332-90911	DEC79	01332-90811	8L	01	08	01	
1332A-551		MOD SHEET	DEC79	01332-90910	FEB80	01332-90810*	8L	01	08	01	USE 1332A FICHE 01332-90814
1333A		OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 1333A-1 1333A-2 1333A-3A 1333A-4 1333A-5 1333A-6 1333A-7 1333A-8 1333A-9	JUL76 SEP81 DEC77	01333-90903 01333-90903 01333-90904	OCT81 JAN78 APR83	01333-90803 01333-90804	8L	01	08	02	APR77 WO ALL SER.IMPR REL FOR Z-AXIS AMPLFR SEP77 WN ALL SER.IMPR REL X-Y&Z AXIS AMPLIFIER NOV82 WO ALL SER.PREF REPL FOR A2R90 ASTIGMATISM POT JUL79 WO SER 1913A2400 & BELOW.REC PARTS REPL FOR CAPS A2C16,C17,C33, & C34. JUL79 WO SER 1533A2300 & BELOW.MOD TO IMPROVE +158V POWER SUPPLY STABILITY. AUG79 WO ALL SER.PREF PARTS REPL TO IMPROVE REL OF Z-AXIS AMPLIFIER JUL80 WO SER 1950A03516 TO 1950A03744.IMPR REL FOR +158V PWR SUPPLY NOV81 WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN NOV81 WN ALL SER REPL PN FOR MOTHER BOARDS
1333A-H18		MOD SHEET	MAR81	01333-90909	MAY81	01333-90809	8L	01	08	01	
1333A-X95		MOD SHEET	NOV79	01333-90905	DEC79	01333-90805	8L	01	08	01	
1335A		OPER & SERV MAN MAN CHANGE OPER NOTE INSTALL INSTR SERV NOTE SET BELOW 1335A-1 1335A-2 1335A-3 1335A-4 1335A-5A 1335A-6A 1335A-7A	JUN76 JUN85 JUN77 OCT80	01335-90905 01335-90905 01335-90907 5955-8057	OCT85 DEC77 NOV80 JAN85	01335-90805 01335-90807 5955-8058 * JAN85	8L	01	08	02	USE 10380A/1A/2A FICHE 5957-3283
			SEP75	WO SER 1514A & DOWN,ALL OPTIONS INCLUDED.MOD TO IMPR RELIABILITY							
			APR77	WO ALL SER.IMPR STORAGE CIRCUITRY REL							
			APR77	WO ALL SER.IMPR REL FOR Z-AXIS AMPLFR							
			SEP77	WN ALL SER.IMPR REL X-Y&Z AXIS AMPLIFIER							
			DEC82	WN ALL SER.REC CRT CHANG TO IMPROVE PERF							
			NOV82	WO ALL SER.PREF REPL FOR A2R90 ASTIGMATISM POT							
			NOV82	WN ALL SER.CRT UNIFORMITY/WRTING SPEED OPTIMIZATION ADJ							

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15588A-004

15588A-005

15589A

15590A

15591A

15592A

15593A

15600A

15601A

15602A

15603A

15609A

1580A

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1335A		1335A-8 1335A-9	JUL79	WO SER 1514A6300 & BELOW.REC PARTS REPL FOR CAPS A2C16,C17,C33, & C34.							
			JUL79	WO SER 1514A6000 & BELOW.MOD TO IMPROVE +158V POWER SUPPLY STABILITY.							

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INSTALL INSTR
SERV NOTE SET BELOW
1335A-1
1335A-2
1335A-3
1335A-4
1335A-5A
1335A-6A
1335A-7A

OCT80 5955-8057 NOV80 5955-8058 * 8L 01 08 01 USE 10580A/1A/2A FICHE 5957-5283
JAN85
SEP75 WO SER 1514A & DOWN, ALL OPTIONS INCLUDED. MOD TO IMPR RELIABILITY
APR77 WO ALL SER. IMPR STORAGE CIRCUITRY REL
APR77 WO ALL SER. IMPR REL FOR Z-AXIS AMPLFR
SEP77 WN ALL SER. IMPR REL X-Y&Z AXIS AMPLIFIER
DEC82 WN ALL SER. REC CRT CHANG TO IMPROVE PERF
NOV82 WO ALL SER. PREF REPL FOR A2R9D ASTIGMATISM POT
NOV82 WN ALL SER. CRT UNIFORMITY/WRTING SPEED OPTIMIZATION ADJ

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 51	11/08/85 MODEL NUMBER		
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1335A		1335A-8 1335A-9 1335A-10 1335A-11A 1335A-12 1335A-13A 1335A-14 1335A-15 1335A-16A 1335A-17	JUL79 JUL79 AUG79 DEC82 JUL80 JAN83 NOV81 JUN82 NOV81 AUG84	WO SER 1514A6300 & BELOW. REC PARTS REPL FOR CAPS A2C16, C17, C33, & C34. WO SER 1514A6000 & BELOW. MOD TO IMPROVE +158V POWER SUPPLY STABILITY. ALL SER. STORAGE PARTS REPL TO IMPROVE REL OF Z-AXIS AMPLIFIER ALL SER. STORAGE CRT APPEAR SPEC WO SER 1949A08866 TO 1949A09490. IMPR REL FOR +158V PWR SUPPLY WN ALL SER. REPL P/N FOR 1335A MOTHER BD WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN WN SER 1949A & ABOVE. CLARIFICA OF INTEN LIMIT ADJUST WO SER 1949A & ABOVE. LINE SWTCH MOUNTG SCREWS CHANGED TO METRIC WN SER 2220A & BELOW. MOD TO IMPR PERSISTANCE REL								1600A		
1335A-C20		MOD SHEET	AUG85	01335-90921	OCT85	01335-90821	8L	01	08	01	SERIAL PFX 2517A			
1335A-H01		MOD SHEET	DEC81	01335-90916	FEB82	01335-90816	8L	01	08	01		1600A-580		
1335A-H22		MOD SHEET	AUG85	01335-90923	OCT85	01335-90823	8L	01	08	01	SERIAL PRX 2220A AND 2517A			
1335A-X95		MOD SHEET	NOV79	01335-90908	DEC79	01335-90808	8L	01	08	01				
1336A		SERV NOTE SET BELOW 1336A-1A 1336A-2 1336A-3			OCT82							16005A		
			FEB82	WN ALL SER. INSTRUCT FOR REMOVING & RETURNING 1336A CRT TO HP FOR WARR CREDIT								16008A		
			DEC81	WA ALL SER ARC PROTECTION KIT WHEN NEW CRT IS INSTALLED										
			APR82	WO SER 1809 & BELOW. INTEN LIMIT CIR MOD										
1336A-005		MOD SHEET	FEB80	01336-90903	APR80	01336-90803	8L	01	08	01				
1336P		SERV NOTE SET BELOW 1336P-1			OCT79							1601A		
			JUL79	WA SER 1809A00650 & BELOW. MOD TO IMPROVE +250V POWER SUPPLY RELIABILITY.										
1336P-C06		MOD SHEET	APR81	01336-90906	JUN81	01336-90806	8L	01	08	01				
1336P-C16		MOD SHEET	SEP81	01336-90907	OCT81	01336-90807	8L	01	08	01		1601A/L		
1336S		OPER & SERV MAN MAN CHANGE	SEP81 DEC82	01336-90905 01336-90905	AUG83	01336-90805	8L	01	08	03	FOR OPTIONS SEE TITLE PAGE			
1340A		OPER & SERV MAN OPER NOTE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1340A-1 1340A-2B 1340A-3 1340A-4 1340A-5 1340A-6 1340A-7	DEC77 DEC77 JUL82 JUN85	01340-90901 01340-90902 01340-90915 01340-90915	OCT81 JAN73 AUG85	01340-90801* 01340-90802 01340-90815	8L	01	08	02	USE 1340A FICHE 01340-90815	1602A		
			NOV81	WN ALL SER APPLICATION OF HV GREASE TO PREVENT ARCING/BRKDOWN OF POST ACCELERATOR CONN								16021A		
			MAR84	WN ALL SER TO IMPR CRT X-Y DISPLAYS								16022A		
			DEC81	WN ALL SER MOD TO IMPR -15V & -7.5V SUPPLY PERFORMANCE										
			MAY82	WN ALL SER. PROPER INPUT ATTEN SETTING & COMPENSA ADJ								16023A		
			SEP82	WO ALL SER. MOD TO IMPR LVPS PERF										
			MAR83	WN SER 2038A & BELOW. MOD TO IMPR X-Y AMPF PERF								16023B		
			APR84	WN SER 2038A & BELOW. NEW H.V.P.S. BD SUPPORT										
1340A-C05		MOD SHEET	MAY81	01340-90906	JUL81	01340-90806*	8L	01	08	01	USE 1340A-C05 FICHE 01340-90813			
		MOD SHEET	JAN00	01340-90913	SEP83	01340-90813	8L	01	08	01				
1340A-C18		MOD SHEET	JUL81	01340-90911	AUG81	01340-90811	8L	01	08	01		16032A		
1340A-H05		MOD SHEET OP/SVC MN	JAN80	01340-90904	MAR80	01340-90804*	8L	01	08	01	USE 1340A-H05 FICHE 01340-90812			

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1340A-H05		MOD SHEET	SEP81	01340-90912	NOV81	01340-90812	8L	01	08	01		16033A		
1345A		OPER & SERV MAN OPER & SERV MAN	JUL81	01345-90901	SEP82	01345-90801*	8L	01	08	03	USE 1345A FICHE 01345-90808			

1340A-C05	MOD SHEET MOD SHEET	MAY81 01340-90906 JAN00 01340-90913	JUL81 01340-90806* 8L 01 08 01 SEP83 01340-90813 8L 01 08 01	USE 1340A-C05 FICHE 01340-90813
1340A-C18	MOD SHEET	JUL81 01340-90911	AUG81 01340-90811 8L 01 08 01	
1340A-H05	MOD SHEET OP/SVC MN	JAN80 01340-90904	MAR80 01340-90804* 8L 01 08 01	USE 1340A-H05 FICHE 01340-90812

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1340A-H05		MOD SHEET	SEP81	01340-90912	NOV81	01340-90812	8L	01	08	01	
1345A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1345A/704-1B 1345A-1B 1345A-2 1345A-3A 1345A-4 1345A-5	JUL81 JAN83 MAR85 APR85	01345-90901 01345-90908 01345-90916 01345-90916	SEP82 JUN84 JUL85	01345-90801* 01345-90808* 01345-90816	8L	01	08	03	USE 1345A FICHE 01345-90808 USE 01345A FICHE 01345-90816
					OCT85						
			APR85	NO SER 2501A & BELOW	MOD TO PREV ERRATIC/INTERM DISPLAY						
			DEC83	WA SER 2112A/0475 & BELOW	LOOSE POST ACCELERATOR						
			DEC83	WN SER 2227A & BELOW	INSTAL NOTE FOR TEST PATTERN UPDATE KIT, P/N 01345-69505						
			MAY85	WN SER 2515A & BELOW	MODEL CHANG & COMPAT BETWEEN VINTAGES						
			MAR84	WN ALL SER. NEW CRT FOR	DIGITAL DISPLAYS						
			AUG84	NO SER 2411A & BELOW	MOD TO IMPR NOISE IMMUNITY						
1345A-003		OPER NOTE OPER NOTE	MAR83 SEP83	01345-90911 01345-90912	MAY83 DEC83	01345-90811* 01345-90812	8L	01	08	01	USE 1345A-003 FICHE 01345-90812
1346A		QUICK REF GUIDE OPER & PROG MAN OPER & PROGRAM MAN QUICK REF GUIDE SERV NOTE SET BELOW 1346A-1	DEC82 JAN83 JUL83 JUL83	01346-90904 01346-90905 5957-7606 5957-7619	MAR83 JAN83 OCT83 OCT83	01346-90804* 01346-90805 5957-7637 5957-7639	8L	01	08	01	INCLUDED IN FICHE 01346-90805 INCLUDES -90901 THRU -90904
					JUL84						
			MAR84	WN ALL SER. NEW CRT FOR	DIGITAL DISPLAYS						
1346A-003		OPER NOTE OPER NOTE	MAR83 SEP83	01345-90911 01345-90912	MAY83 DEC83	01345-90811* 01345-90812	8L	01	08	01	USE 1346A-003 FICHE 01345-90812
1347A		OPER & SERV MAN MAN CHANGE OPER & PROGRAM MAN QUICK REF GUIDE SERV NOTE SET BELOW 1347A-1 1347A-2 1347A-3	AUG83 AUG83 JUL83 JUL83	01347-90901 01347-90901 5957-7606 5957-7619	OCT83 OCT83 OCT83 JUL85	01347-90801 5957-7637 5957-7639	8L	01	08	03	
					JUL85						
			MAR84	WN ALL SER. NEW CRT FOR	DIGITAL DISPLAYS						
			MAR84	WN SER 2335A & BELOW	MOD TO PREV PWR SUPPLY OVERHEAT						
			NOV84	WN ALL SER. INST SEGMENTG	THE MEMORY IN 1347A						
1349A		OPER & SERV MAN	AUG84	01349-90901	NOV84	01349-90801	8L	01	08	03	
1349D		OPER & SERV MAN	AUG84	01349-90901	NOV84	01349-90801	8L	01	08	03	
135		OPER & SERV MAN MAN CHANGE	MAR68 OCT71	00135-90001 00135-90001	OCT84	00135-90051	8L	01	11	02	
135 DTA		OPER & SERV MAN	JAN66	00135-91344	OCT80	00135-91394	8L	01	11	01	
135/136		SERV NOTE SET BELOW M011-2 105 107 108 109 110 111 112 113	JUN67 JUN61 OCT61 OCT61 - JAN62 FEB62 FEB62 -	REPL FOR SWEEP-TIMING CAPACITOR VACUUM PUMP MAINTENANCE MOD TO IMPR ACCURACY REC FIELD MOD TO CORR SEVERE INTERACTION BETWEEN AXES NOT AVAILABLE SER BELOW 551. REC CIRCUIT CHANGES ELIM OF NEGATIVE SPIKES CAUSED BY INDUCTIVE LOAD TROUBLESHTG POWER TRANSFORMER NOT AVAILABLE	MAY78						

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16033A

16034B

16035A

16036A

16038A

16039A

16047A

16047B

16047C

16047D

16048A

16048B

16048C

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
135/136		114 115 116 117 118	- - OCT62 OCT62 FEB63	NOT AVAILABLE NOT AVAILABLE VACUUM PUMP MOTOR HEATING CORR SWEEP LINEARITY PROB PROC FOR MEAS / MEGOHM INPT IMPEDANCE							

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16048D

16053A

108
109
110
111
112
113

OCT61 REC FIELD MOD TO CORR SEVERE INTERACTION BETWEEN AXES
- NOT AVAILABLE
JAN62 SER BELOW 551.REC CIRCUIT CHANGES
FEB62 ELIM OF NEGATIVE SPIKES CAUSED BY INDUCTIVE LOAD
FEB62 TROUBLESHTG POWER TRANSFORMER
- NOT AVAILABLE

16048C

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 53
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
135/136		114	-			NOT AVAILABLE					
		115	-			NOT AVAILABLE					
		116	OCT62			VACUUM PUMP MOTOR HEATING					
		117	OCT62			CORR SWEEP LINEARITY PROB					
		118	FEB63			PROC FOR MEAS / MEGOHM INPT IMPEDANCE					
		119	MAY63			POWER TRANSISTOR CHANGE					
		120	-			NOT AVAILABLE					
		121	-			NOT AVAILABLE					
		122	-			NOT AVAILABLE					
		123	-			NOT AVAILABLE					
		124	-			NOT AVAILABLE					
		125	JAN64			REC PARTS CHANGE TO IMPR PERF					
		135/135A-2/136/136A	FEB74	WN		EARLY SER.CHANGE OF VACUUM HOLDDOWNS TO AUTOGRIP					
		7000A-1/136A-1	AUG65			SER BELOW 304.IMPR IN HI SPEED WRIT					
		136A-2	JUL73	WN		SER BELOW 705.Y2 CHOPPER REPL					
135A		OPER & SERV MAN MAN CHANGE	MAR68	00135-90001	OCT84	00135-90051	8L	01	11	02	
			OCT71	00135-90001							
135C/135CM		OPER & SERV MAN	FEB68	00135-90003	JUN70	00135-90053			01	11	03
1350A		OPER & SERV MAN	JUL79	01350-90904	APR80	01350-90804*	8L	01	08	03	USE 1350A FICHE 01350-90807
		OPER & SERV MAN	JUL79	01350-90907	JUN83	01350-90807	8L	01	08	04	
		MAN CHANGE	APR80	01350-90907							
		OPER & PROG MAN	JAN80	01350-90908	APR80	01350-90808	8L	01	08	02	
		SERV NOTE SET BELOW			JUL83						
		1350A-1	JAN79	WO		ALL SER.RES CHANGE TO STANDARDIZE Z AXIS AMP U65SELECTION.					
		1350A-2	JAN79	WO		SER 1750A & BELOW.REC MOD TO IMPR INITIALIZATION RESPONSE TO HP-IB INTERFACE CLEAR					
		1350A-3	FEB79	WN		SER 1906A & BELOW.REC PROG AID FOR HP-IB CONTROLLERS					
		1350A-4	JUL79	WO		SER 1750A00333 THRU 1906A00610.MOD TO CORRECT INTERMITTENT LOSS OF MEMORY.					
		1350A-5	OCT79			ALL SER.PROG MOD TO ELIM BRIGHT SPOT APPEARING ON SCREEN WHEN WRITING INTO LOCATION					
		CONT'D				2047 OR DATA IN 2047 IS NOT DISPLAYED					
		1350A-6	JAN80	WO		ALL 1350A'S WITH 52102A RS-232C (OPT 001).MOD TO IMPR PERF					
		1350A-7	APR83	WN		ALL SER.PREF REPL FOR A4 DYNAMIC RAM AM					
1350S		MOD SHEET	AUG79	01350-90906	OCT79	01350-90806	8L	01	08	01	
13505A		OPER & SERV MAN MAN CHANGE	SEP66	13505-90010	JUN85	13505-90012	8L	01	21	01	
			DEC74	13505-90010							
1351A		OPER & SERV MAN	JUL81	01351-90904	OCT85	01351-90804	8L	01	08	03	
		MAN CHANGE	MAY85	01351-90904							
		OPER & PROG MAN	OCT81	01351-90905	JAN82	01351-90805	8L	01	08	02	
		SERV NOTE SET BELOW			JUL83						
		1351A-1	SEP82	WA		ALL SER.ELPL BLUE STRIPE BD EXCHANGE PROG					
		1351A-2	APR83	WN		ALL SER.PREF REPL FOR DAC TRANS					
1351A-001		MOD SHEET	AUG81	52105-90901	OCT81	52105-90801*	8L	01	08	01	USE 52105A FICHE 52105-90802
1351A-002		OPER & SERV MAN	SEP81	52106-90902	NOV81	52106-90802	8L	01	08	02	
1351A-900		OPER & SERVMAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03	
1351A-901		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03	

11/08/85
MODEL
NUMBER

16048D

16053A

16054A

16055A

16056A

16057A

16058A

16059A

16064A

16065A

16066A

16067A

16068A

16069A

1607A

1607A-580

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 54
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1351A-902		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03	
1351A-904		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03	
1351A-905		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03	

11/08/85
MODEL
NUMBER

16070A

16071A

1351A-900	OPER & SERVMAN	JUL81 01351-90904	JUN82 01351-90804	8L 01 08 03
1351A-901	OPER & SERV MAN	JUL81 01351-90904	JUN82 01351-90804	8L 01 08 03

1607A-580

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
1351A-902		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351A-904		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351A-905		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351A-906		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351A-908		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351A-909		OPER & SERV MAN	JUL81	01351-90904	JUN82	01351-90804	8L	01	08	03					
1351S		SERV NOTE SET BELOW 1351A-1 1351S-1A			JUL83										
			SEP82	WA ALL SER.ELPL	BLUE STRIPE	BD EXCHANGE	PROG								
			SEP82	WA ALL SER.ELPL	BLUE STRIPE	BD EXCHANGE	PROG								
13515A		OPER & SERV MAN MAN CHANGE	DEC77	13515-90009	APR78	13515-90010	8L	01	04	01					
			FEB78	13515-90009											
136		OPER & SERV MAN MAN CHANGE	MAR69	00136-90000	NOV77	00136-90050	8L	01	11	03					
			AUG75	00136-90000											
136A		OPER & SERV MAN MAN CHANGE	MAR69	00136-90000	NOV77	00136-90050	8L	01	11	03					
			AUG75	00136-90000											
1360S		QUICK REF GUIDE	JAN83	52113-90904	MAY83	52113-90804	8L	01	08	01					
140A		OPER & SERV MAN 2 OPER & SERV MAN 3 MAN CHANGE OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAY67	00140-90904	JUN85	00140-90804	8L	01	08	02					
			MAY68	00140-90906	OCT84	00140-90806	8L	01	08	01					
			JUL68	00140-90906											
			SEP68	00140-90908	FEB71	00140-90808		01	08	02					
			DEC70	00140-90908											
			JUL63	00140-99001	OCT73	00140-99801		01	08	02					
			SEP65	00140-99001											
					APR84										
		140A-1	MAY64	SER BELOW 326.MOD TO IMPR HI FREQ PLUG-IN INTERCHANGE											
		140A-2	APR65	SER BELOW 425.MOD FOR UPDATING THE 140A OSCIL											
		140A-3	AUG65	SER AS INDIC.MOD TO INCR HEAT PROTECT											
		140A-4	NOV65	SER 520-542.MOD TO IMPR GATE OPER											
		140A/141A-6A	JAN67	SER BELOW 634.MOD TO USE NEW PLUG-IN											
		140A-7	-	NOT AVAILABLE											
		140A-8A	AUG67	SER ABOVE 520.PREF REPL FOR Q421,Q441,Q446,+ Q481.SEDES 140A-5											
		140A-9	-	NOT AVAILABLE											
		140A-10	-	NOT AVAILABLE											
		140A-11	JAN68	MOD FOR OPER ON 50,60,& 400-H2											
		140A-12	MAY68	WA SER BELOW 748.HVPS MOD TO INCR Q6 REL											
		140A-13A	SEP69	WO SER 520-748.MOD TO CORR LVPS MALFUNCT											
		140A-14A	SEP76	WN SER BELOW 821-05592.REPL FOR HV ASSY											
		140A-15	OCT74	WN SER BELOW 747.REC REPL OF Q602											
		140A/B/S-16S	DEC83	WA SAFETY:ALL SER.MOD TO PREV POT SHOCK HAZ											
140B		OPER & SERV MAN MAN CHANGE	FEB69	00140-90909	OCT84	00140-90809	8L	01	08	02					
			FEB74	00140-90909											
140S		OPER & SERV MAN	JUN68	00140-90907	AUG70	00140-90807		01	08	02					

11/08/85 MODEL NUMBER	O C	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
16070A		OP	MA			
16071A		OP	MA			
16072A		OP	MA			
16074A		OP	MA			
16075A		OP				
16076A		OP				
16077A		OP	MA			
16079A		OP				
16080A		OP				
16081A		OP	MA			
16082A		OP	MA			
16083A		OP	MA			
16084A		OP	SE	16		
16085A		OP				
16086A		OP				
16091A		OP	MA			
16092A		OP	MA			
16093A		OP	MA			
16093B		OP	MA			
16094A		OP	MA			

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
140S		MAN CHANGE	JAN69	00140-90907	AUG70	00140-90807		01	08	02					
140T		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 140T-1C-S	MAR70	00140-90910	JUN73	00140-90810*		01	08	02	USE 140T FICHE 00140-90813				
			JAN77	00140-90913	APR78	00140-90813	8L	01	08	02					
			JAN78	00140-90913											
					JAN83										
			SEP82	WA SAFETY:ALL SER.MOD TO REDUCE SHOCK HAZARD DURING FAILURE CONDITIONS											

11/08/85 MODEL NUMBER	O C	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
16095A		OPE	OPE			
16096A		OPE	MAN			

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 56
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1405A-H06		OPER & SERV MAN MAN CHANGE	OCT66 JUL68	01405-90902 01405-90902	AUG70	01405-90802	01	08	02		
1406A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR67 MAR73	01406-90901 01406-90901	MAY82	01406-90801	8L	01	08	02	
		1406A-1	DEC67	WO SER 704-00200	MAY78						
		1406A-2	JAN68	WO SER 740-00250							
		1406A-3A	JUN68	WO SER 740-00250							
1407A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAR67 JAN70	01407-90902 01407-90902	OCT75	01407-90802	8L	01	08	02	
		1407A-1	NOV67	PREF REPL FOR V201 & V202							
		1407A-2	NOV67	SER 626-00175 & DOWN.MOD TO IMPR DC STABILIZER OPERATION							
		1407A-3	DEC67	SER 704-00275 & DOWN.MOD TO PREVENT Q1 & Q2 BURNOUT DUE TO TURN-ON TRANSIENTS.							
		1407A-4	JAN68	WO SER 740-00325 & DOWN.PREF REPL FOR Q1, Q2, Q201 & Q202							
		1407A-5A	JUN68	WO SER 740-00250 & DOWN.MOD TO IMPR REL							
1408A		OPER & SERV MAN MAN CHANGE	FEB70 NOV71	01408-90901 01408-90901	JAN72	01408-90801	01	08	02		
141A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	DEC65 OCT76 APR71 MAR68 OCT68 APR71	00141-90901 00141-90902 00141-90906 00141-90904 00141-90906 00141-90906	SEP71 NOV84	00141-90801 00141-90802	01 8L	08 01	03 01		
		141A-1	JAN60	CRT INSTALLATION	APR84						
		141A-2	APR66	SER BELOW 601.MOD TO IMPR WRITE RATE							
		141A-3A	AUG67	PREF POWER TRANSISTOR REPLACEMENT							
		141A-4B	APR67	SER BELOW 644.MOD TO ADAPT REMOTE ERASE OPERATION							
		141A-5	NOV66	SER BELOW 620.MOD TO IMPR ERASE FUNCTION							
		141A/141A-6A	JAN67	SER BELOW 634.MOD TO USE NEW PLUG-IN							
		141A-7	DEC66	SER WITH "H" IN PREFIX.ORDERING REPLACEMENT CRT							
		140A-8B	FEB67	SER BELOW 634-00330.MOD TO EXTEND COLLIMATOR VOLTAGE RANGE							
		141A-9A	JAN68	SER ABOVE 634-00330 + BELOW 801.MOD TO IMPR STORAGE TIME							
		141A-10		SER ABOVE 703.MOD KIT FOR REMOTE ERASE							
		141A-12	NOV67	SER 634-00330 THRU 635-00525.MODE SWITCH REPLACEMENT KIT							
		141A-13	JAN68	MOD PERMITS OPER ON 50,60 + 400-HZ							
		141A-14B	APR68	WO SER BELOW 815.LONG TERM STORAGE MOD							
		141A-15		WN SER BELOW 820.CRT PROTECTION							
		141A-16B	MAY73	WN SER BELOW 801.MOD TO CORR LVPS MALFUNCTION							
		141A-17	OCT69	WA SELECTING CORRECT CRT + INSTALLING IT							
		141A-18	AUG72	CRT FLOOD GUN ACCELERATOR MOD							
		141A/S-19	NOV73	WN ALL SER.CRT NECK PIN LOCATION							
		141A-20	OCT74	WN SER BELOW 815.REC REPL OF Q602							
		141A/B/S-21S	DEC83	WA SAFETY:ALL SER.MOD TO PREV POT SHOCK HAZ							
141B		OPER & SERV MAN MAN CHANGE	APR71 JAN75	00141-90910 00141-90910	MAY75	00141-90810	01	08	02		
141B/S/T		SERV NOTE SET BELOW			OCT82						

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G
1611A		MANC SERV 1611A 1611A 1611A 1611A 1611A 1611A 1611A 1611A 1611A 1611A 1611A 10258 10260 10262 10264 10266								
1611A-A65		OPER/								
1611A-0F8		OPER/								
1611A-068		OP &								
1611A-080		OP &								
1615A		OPER OPER MAN C SERV 1615A 1615A 1615A 1615A 1615A 1615A 1615A 1615A								
1615A-001		OP & OP &								
1615A/9835-1		INTRO								
162A		OPER SERV 162A-								
162B		OPER								
162B-H02		OPER								
162C		OPER MAN C								
162D		OPER								

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 57
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
141B/S/T		141S-1 141A/S-19 141B/T-1 141BT-2 141T-3 141T-4 141T-5 141B/T-6 141T-7B-S 141B-7	AUG72 NOV73 SEP71 JAN72 DEC73 DEC73 DEC75 JUL76 JUN82 JUL77	WO CRT FLOOD GUN ACCELERATOR MOD WN ALL SER.CRT NECK PIN LOCATION WO SER BELOW 1104A00385.PREF REPLACEMENTS WO SER BELOW 1145A00565.PREF REPLACEMENTS WN ALL SER.FAST + STAND.MODE ADJ USING SPECTRUM ANALYZER PLUG-INS WN ALL SER.COOLING FAN MODIFICATION WO SER BELOW 1502A10545.REV TO IMPR OPER WA 141B ALL SER.141T SER 1516A & BELOW REQ PARTS CHNG WHEN REPL CRT WA SAFETY.SER 1502A & BELOW.ELIM OF SAFETY HAZARD WN SER 972 & BELOW.MOD KIT 5061-0855 FOR IMPROVED STORAGE CRTS							

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
162D-H02		OPER &
162F		OPER & MAN CH
1620A		OPER &
16292A		OPER M

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 57
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
141B/S/T		141S-1 141A/S-19 141B/T-1 141BT-2 141T-3 141T-4 141T-5 141B/T-6 141T-7B-S 141B-7 141T-8 141T-9 141T-10 141T-11 141T-12 141T-13S	AUG72 NOV73 SEP71 JAN72 DEC73 DEC73 DEC75 JUL76 JUN82 JUL77 JUL77 SEP79 SEP79 MAR81 JUN82 JUL82	WO WN WO WO WN WN WO WA WA WN WN WN WN WO WN WN	CRT FLOOD GUN ACCELERATOR MOD ALL SER.CRT NECK PIN LOCATION SER BELOW 1104A00385.PREF REPLACEMENTS SER BELOW 1145A00565.PREF REPLACEMENTS ALL SER.FAST + STAND.MODE ADJ USING SPECTRUM ANALYZER PLUG-INS ALL SER.COOLING FAN MODIFICATION SER BELOW 1502A10545.REV TO IMPR OPER 141B ALL SER.141T SER 1516A & BELOW REQ PARTS CHNG WHEN REPL CRT SAFETY.SER 1502A & BELOW.ELIM OF SAFETY HAZARD SER 972 & BELOW.MOD KIT 5061-0855 FOR IMPROVED STORAGE CRTS SER 972 & BELOW.MOD.KIT 5061-0855 FOR IMPRVD STORAGE CRTS SER 1850A & BELOW.MOD TO PREVENT OSC IN -12.6 V PWR SUPPLY SER 1850A & BELOW.MOD TO PREVENT NOISE IN LOW V PWR SUPPLY ALL SER.CIRC BD MOD TO CORRECT +248 V POWER SUPPLY SER 1145A TO 1802A.DIRECTION FOR REPL 00141-66519 LOW V PWR SUPPLY BD SAFETY.ALL SER.ELIM POT SAFETY HAZ						
141S		OPER & SERV MAN MAN CHANGE	OCT68 MAR70	00141-90905 00141-90905		JUL80 5951-6197	8L	01	08	02	
141T		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE INSTALL INSTRUCT	JUL75 JUN76 APR82 AUG82 JAN81	00141-90913 00141-90914 00141-90915 00141-90815 5955-8091		AUG75 00141-90813* JAN81 00141-90514* JUN83 00141-90815 MAR81 5955-8092	8L	01	08	02	USE 141T FICHE 00141-90814 USE 141T FICHE 00141-90815
1410A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1410A-1 1410A-2	MAY68 JUN72 MAY67 JUN67	01410-90902 01410-90902 BEST METHOD FOR ADJ 1 MV/CM VERTICAL GAIN SER 715-00275 & DOWN. PREF TRANSISTOR REPLACEMENT		OCT84 01410-90802	8L	01	08	02	
1411/		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1411A-1 1411A-2 1411A-3A CONT'D 1411A-4A	AUG68 MAY69 MAY67 JUN67 AUG67 DEC67	01411-90902 01411-90902 BEST METHOD OF ADJ THE 1 MV/CM VERTICAL GAIN SER 705-00300 & DOWN.PREF REPL FOR Q503 & Q504 SER 705-00300 & DOWN.SIMPLE CHANGE TO RED LO FREQ DIST WHEN USING 1432A 4 GHZ SAMPLER HEAD SER 724-00375 & DOWN.MOD TO PREVENT "LOCK UP" BETWEEN 100 MV-200 MV/CM RANGE		MAY70 01411-90802	01	08	02		
1415A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1415A-1 1415A-2 1415A-3 1415A-4 1415A-5 1415A-6B 1415A-7 1415A-8A 1415A-9A 1415A-10A 1415-11	MAR70 AUG75 NOV65 OCT65 OCT65 OCT65 NOV65 JUN66 NOV65 NOV65 SEP68 APR68 MAR73	01415-90906 01415-90906 SER 426 & DOWN.PROC FOR PULSE GENERATOR ASSEMBLY REPLACEMENT SER 505-00171 & DOWN.MOD TO IMPR OPERATION FOR LONG LINE TESTING SER 512-00536 & DOWN.MOD TO REDUCE HORIZONTAL DRIFT SER 526-00636 & DOWN.MOD TO REDUCE BASE LINE SHIFT SER 445-00386 & DOWN.MOD TO INCREASE EFFICIENCY THROUGH JITTER REDUCTION SER 512-00536 & DOWN.MOD FOR REDUCED INTERFERENCE SER 548-00986 + DOWN.REQ MOD FOR USE WITH MODEL 141A OSCILLOSCOPE SER 548-00986 + DOWN.MOD FOR IMPR RETRACE BLANKING + DOT INTENSITY SER 512-00536 + DOWN.IMPX-Y RECORDER OUT OPERATION SER 816-01911 + DOWN.MOD FOR IMPROVED STEP STABILITY. TIME DOMAIN REFLECTOMETER PREFERRED PARTS REPLACEMENT		OCT84 01415-90806	8L	01	08	02	

11/08/85 MODEL NUMBER	O C	L
162D-H02		OPER &
162F		OPER & MAN CH
1620A		OPER &
16292A		OPER N
16292B		OPER N
16293A		OPER N
1630A		SERV M INSTAL SERV M
1630A/D		SERV N 1630A/ 1630A/ 1630A/ CONT' 1630A/ CONT' 1630A/ CONT' 1630A/
1630D		SERV M INSTAL SERV M
1630G		SERV M SERV N 1630G- 1630A/ CONT' 1630A/ CONT' 1630G-
1631A		OPER & SERV M MAN CH
1631A/D		SERV N 1630A/ CONT' 1630A/
1631D		OPER & SERV M MAN CH

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 58
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1415A		1415A-12	OCT74	WN SER 816-01911 + DOWN.REC REPL OF Q602							
1415A-H08		OPER & SERV MAN	JAN00	01415-90907		AUG82 01415-90807	8L	01	08	01	
1416A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1416A-1	APR67 OCT73 DEC68	01416-90902 01416-90902 WO SER 848-00921 + DOWN.PREFERRED REPLACEMENT TRANSISTORS		OCT84 01416-90802	8L	01	08	01	
1420A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR68 FEB70	01420-90905 01420-90905		JUN75 01420-90805	01	08	02		

11/08/85 MODEL NUMBER	O C	LI
16320A		INSTALL
16321A		INSTALL
16340A		OPER NO
16341A		SERV MA
16342A		USER'S OPER NO MAN CHA

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 58
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1415A		1415A-12	OCT74	WN SER 816-01911		+ DOWN.REC REPL OF Q602					
1415A-H08		OPER & SERV MAN	JAN00	01415-90907	AUG82	01415-90807	8L	01	08	01	
1416A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1416A-1	APR67 OCT73	01416-90902 01416-90902	OCT84	01416-90802	8L	01	08	01	
			DEC68	WO SER 848-00921		+ DOWN.PREFERRED REPLACEMENT TRANSISTORS					
1420A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1420A-1 1420A-2 1420A-3A 1420A-4A CONT'D 1420A-5A 1420A-6	APR68 FEB70	01420-90905 01420-90905	JUN75	01420-90805		01	08	02	
					MAY78						
			SEP66	SER 441-00666		+ DOWN.MOD TO IMPROVE TRACE POSITION STABILITY					
			JAN72	WN SER 639-01876		+ DOWN.IMPROVED TRIGGER SENSITIVITY POTENTIOMETER					
			DEC67	SER 620-01676		+ DOWN.USING AGED 6DJ8S FOR V101, V102, V103, V111, V202, V203 TO IMPROVE STABILITY					
			JAN72	WN SER 639-02359		+ DOWN.PREFERRED REPLACEMENT FOR R254					
			MAR73	WN SER 964		+ DOWN.PREF REPL FOR Q101					
1421A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1421A-1A 1421A-2A 1421A-3 1421A-4 CONT'D 1421A-5	APR68 MAY75	01421-90905 01421-90905	MAR81	01421-90805	8L	01	08	02	
					MAY78						
			JUN68	WO SER 803		+ DOWN.MOD FOR ADDN GATE PROTECTION AGAINST TRANSIENT VOLTAGES					
			DEC66	SER 545		+ DOWN.MOD FOR OPERATION WITH DC STABILIZED VERTICAL PLUG-INS					
			NOV66	SER 627-00851		TO 627-01140.SIMPLE WIRE CHANGE TO IMPR OPER WITH 1406A OR 1407A					
			JUN68	WO SER 803		+ DOWN.MOD TO PREVENT BURNOUT OF CR305, 306, 311, 312, WHEN INTEGRATOR OUTPUT IS ACCIDENTALLY GROUNDED					
				WO SER 803-02700		+ DOWN.PREF REPLACEMENT FOR R200					
1421A-C40		MODIF SPEC	FEB66	01421-90908	MAR81	01421-90808	8L	01	08	01	
1422A		OPER & SERV MAN MAN CHANGE	APR67 FEB70	01422-90902 01422-90902	MAY70	01422-90802		01	08	01	
1423A		OPER & SERV MAN MAN CHANGE US MAN CHANGE UK SERV NOTE SET BELOW 1423A1 CONT'D 1423A-2 1423A-3A	MAR68 FEB70 JUN70	01423-90903 01423-90903 01423-90903	AUG70	01423-90803		01	08	02	
					MAY78						
			JUN68	WO SER 709-00350		+ DOWN.MOD TO PREVENT BURNOUT OF CR305, 306, 311, + 312 WHEN INTEGRATO OUTPUT IS ACCIDENTLY GROUNDED					
			JUN68	WO SER 709-00350		+ DOWN.REC FOR REPLACEMENT OF A204					
			FEB69	WO SER 847-00491		+ DOWN.MOD TO IMPR REL					
1424A		OPER & SERV MAN SERV NOTE SET BELOW 1424A-1 1424A-2 1424A-3A 1424A-4 1424A-5	OCT70	01424-90902	JAN71	01424-90802		01	08	03	
					MAY78						
			JAN68	SER 801-00225		+ DOWN.DIODE HOLDERS FOR THRESHOLD DETECTOR TUNNEL DIODES					
			MAY68	SER 801-00225		+ DOWN.REC OF MODE + LEVEL POTS + KNOBS					
			JUL68	SER 803-00270		+ DOWN.REC OF A4					
			FEB68	REC DIODE REPLACEMENT							
			AUG70	WA SER 822		+ DOWN.REC REPL OF A1R3					
1425A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	OCT70 DEC70	01425-90903 01425-90903	JUN75	01425-90803		01	08	03	
					MAY73						

11/08/85 MODEL NUMBER	O C	LIT
16320A		INSTALL
16321A		INSTALL
16340A		OPER NOT
16341A		SERV MAN
16342A		USER'S G OPER NOT MAN CHAN
16343A		OPER NOT
16344A		OPER NOT
16345A		OPER NOT
16361A		OPER NOT MAN CHAN
16362A		OPER NOT MAN CHAN
16380A		CONNECTI MAN CHAN
16380B		OPER NOT
16380C		OPER NOT
16389A		OPER NOT
16389B		OPER NOT
1640A		PRELIM S CONVERSI SERV MAN SERV NOT 1640A-1- 1640A-2 1640A-3 1640A-4B 1640A-5 1640A-6 1640A-7 1640A-8A 1640A-9 1640A-10 1640A-11 1640A-12 1640A-13 1640A-14
1640B		OPER GUI

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 59
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1425A		1425A-1 1425A-2 1425A-3 1425A-4 1425A-5	JUN67 AUG67 JAN68 FEB68 APR69	SER 707-00168		+ DOWN.MOD TO UP RANGE OF MIN DELAY. PREF REPL FOR A3Q3					
						TROUBLE SHOOTING GUIDE FOR THRESHOLD DETECTOR					
						PREF REPL FOR A2VR1, R10, A2T1 + A3T1					
						SER 748-00675 + DOWN.TUNNEL DIODE HOLDERS AVAILABLE					
						RECOMMENDED DIODE REPLACEMENT					
143A		OPER & SERV MAN MAN CHANGE	AUG69 SEP73	00143-90903 00143-90903	MAY74	00143-90803		01	08	02	
143A/S		SERV NOTE SET BELOW 143A-1 143A-2 143A-3 143A-4			OCT78						
			DEC68	WA SER BELOW 838-00140		MOD TO PREV OSCIL					
			MAR69	WO HV PROTECTION FUSE CHANGE							
						NOT AVAILABLE					

11/08/85 MODEL NUMBER	O C	LIT
1640B		SERV MAN SERV MAN MAN CHANG SERV MAN SERV NOTE 1640B-1 1640B-2 1640B-3 1640B-4
1640B-001		INSTALL OPER GUID

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
14704B		INSTALL NOTE	APR84	14704-90002	JUN85	14704-90003	8L	01	21	01					
14704C		INSTALL NOTE	APR84	14704-90002	JUN85	14704-90003	8L	01	21	01					
14717A		INSTALL NOTE	SEP84	5950-1992	JUN85	5950-1993	8L	01	21	01					
14718A		INSTALL NOTE	SEP84	5950-1992	JUN85	5950-1993	8L	01	21	01					
14751A		SERV NOTE SET BELOW 14751A-1			OCT85										
			JAN85	WN ALL SER.CORREC TO SOFTWARE CODE IN 69791A MEMORY CARD TEST ROUTINE											
14752A		PROG REFER MAN	DEC84	14752-90001	JUN85	14752-90002	8L	01	21	07					
150A		OPER & SERV MAN SERV NOTE SET BELOW 150A-1 150A-2 150A-3 150A-4 150A-5 150A-6 150A-7 150A-8 150A-9B 150A-14B 150A-16	JAN61	150A-900	MAY83 MAY78	150A-800	8L	01	08	02					
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	NOT AVAILABLE											
			-	SER BELOW 990.MOD TO VERT DEFLECTION TERMINAL BOARD											
			-	SER BELOW 1439.MOD TO SILICON RECTIFIER KIT											
			-	SER 40-1389.REPL OF HV ASSY (00150-69501)											
			-	REPL OF HV ASSY (00150-69502)											
150AR		OPER & SERV MAN	JAN61	150A-900	MAY83	150A-800	8L	01	08	02					
151A		OPER & SERV MAN MAN CHANGE	JAN00 JAN63	151A-900 151A-900	OCT71	151A-800		01	08	01					
151B		OPER & SERV MAN MAN CHANGE	SEP60 SEP62	151B-900 151B-900	JAN82	5951-6269	8L	01	08	01					
15105A		SERV NOTE SET BELOW 15105A-6-1			MAY78										
			DEC69	WO SER BELOW 5-749-00240.REC REPL OF TRANSDUCERS WITH DAMAGED GUIDE STUDS											
15119C		OPER & SERV MAN	DEC71	15119-90001	FEB72	15119-90051	8L	01	B1	01					
15141A		SERV NOTE SET BELOW 15141A-1A			MAY78										
			MAY69	WN ALL SER.HIGH-POTENTIAL TEST											
15179A		INSTALL INSTRUCT	OCT80	15179-90901	JAN81	15179-90801	8L	01	08	01					
152A		SERV NOTE SET BELOW 152A-1			MAY78										
			-	SER BELOW 1085.REPL OF INPT ATTEN											
15254A		OPER & SERV MAN	NOV73	15254-90001	MAY82	5955-4338	8L	01	12	01					
15263A		OPER & SERV MAN	APR77	15263-90001	JUN77	15263-90501	8L	01	B1	01					
153A		OPER & SERV MAN	JAN00	153A-900	OCT81	153A-800	8L	01	08	01					
154A		OPER & SERV MAN	APR61	154A-900	SEP81	5951-6273	8L	01	08	01					

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
166D-H02		OPER & SERV MAN REVISED MAN CHANGE MAN CHANGE B
166E		OPER & SERV MAN CHANGE
166F		OPER & SERV MAN CHANGE
170A		OPER INSCTRU OPER & SERV MAN CHANGE
170A-H02		OPER & SERV MAN CHANGE
170A/B		SERV NOTE SE 170A-2A CONTD
170B/BR		OPER & SERV MAN CHANGE
1700 SERIES		OPER & SERV OPER & SERV
1700A		OPER & SERV MAN CHANGE SERV NOTE SE 1700A-1A 1700A-2 1700A-3 1700A-4A 1700A-5 1700A-6 1700A-7
1700A-008		OPER NOTE MAN CHANGE
1700A-009		OPER NOTE
1700A-020		OPER NOTE MAN CHANGE
1700B		OPER & SERV MAN CHANGE SERV NOTE SE 1700B-1 1700B-2 1700B-3

154A

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 DESCRIPTION ***
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 -2419
 -2419
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 -2419
 -2419
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 -2419
 -2419
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 ACCELERATOR CONN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 61
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
154A		MAN CHANGE	OCT60	154A-900	SEP81	5951-6273	8L	01	08	01	
15413A		OPER & SERV MAN	AUG83	15414-90001	JAN84	15414-95001	8L	01	B1	02	
15414A		OPER & SERV MAN SERV NOTE SET BELOW 15414A-1	AUG83	15414-90001	JAN84	15414-95001	8L	01	B1	02	
			JAN84	NO SER 2330600129	JUL84	& BELOW.POSS INCORRECT FL 1 MAINS SELECT WIRE					
15424A		OPER & SERV MAN	AUG84	15425-90001	NOV84	15425-95001	8L	01	B1	02	
15425A		OPER & SERV MAN	AUG84	15425-90001	NOV84	15425-95001	8L	01	B1	02	
155A		OPER & SERV MAN MAN CHANGE SUPP C SERV NOTE SET BELOW 155A-1	MAY66	00155-90901	JUN80	5951-6274	8L	01	08	03	
			JUN71	00155-90901							
			SEP66	00155-90901	MAY78						
			APR71	NO SER BELOW 843		LINE FREQ INTENSITY MODULATION					
1550A		OPER & SERV MAN SUPP C MAN CHANGE	MAY66	01550-90901	JUN80	01550-90801	8L	01	08	01	
			DEC66	01550-90901							
			DEC67	01550-90901							
15506A		OPER & SERV NOTE	AUG80	15506-90000	NOV80	15506-90025	8L	01	14	01	
15507A		OPER & SERV NOTE	NOV77	15507-90000	MAR78	15507-90025	8L	01	14	01	
15508B		OPER & SERV NOTE OPER & SERV NOTE	FEB78	15508-90001	MAR78	15508-90026*	8L	01	14	01	USE 15508B FICHE 15508-90027
			NOV78	15508-90002	DEC78	15508-90027	8L	01	14	01	
15508C		OPER NOTE	AUG80	15508-90003	NOV80	15508-90028	8L	01	14	01	
15509A		OPER & SERV NOTE	SEP77	15509-90000	DEC77	15509-90025	8L	01	14	01	
15509B		OPER NOTE	MAR81	15509-90001	JUL81	15509-90026	8L	01	14	01	
15510A		OPER NOTE	MAR81	15510-90000	JUL81	15510-90025	8L	01	14	01	
15511A		OPER NOTE	MAR81	15511-90000	JUL81	15511-90025	8L	01	14	01	
15515B		OPER & SERV NOTE	JAN80	15515-90000	AFR80	15515-90025	8L	01	14	01	
15516A		OPER NOTE	MAR80	15516-90000	JUN80	15516-90025	8L	01	14	01	
15517A		OPER NOTE	MAR80	15517-90000	JUN80	15517-90025	8L	01	14	01	
15518A		OPER & SERV MAN	JUL84	15518-90000	AUG85	15518-90025	8L	01	14	01	
15518B		OPER & SERV MAN	JUL84	15518-90000	AUG85	15518-90025	UL	01	14	01	
15518C		OPER & SERV MAN	JUL84	15518-90000	AUG85	15518-90025	8L	01	14	01	
15519A		OPER NOTE	SEP79	15519-90000	DEC79	15519-90025	8L	01	14	01	
15520A		OPER NOTE OPER NOTE	JUN77	15520-90001	SEP77	15520-90026	8L	01	14	01	
			JAN72	15520-95001	OCT72	15520-95026*	01	14	01	USE 15520A FICHE 15520-90026	

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MODEL
NUMBER
 1700B-3
 17002A
 17004A
 17005A
 17007A
 17007AM
 17008A
 1701A
 1701A-0
 1701A-0
 1701A-0
 1701A-0
 1701A-0
 1701A-0
 1701A-0
 1701B
 11/08/85

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15516A	OPER NOTE	MAR80 15516-90000	JUN80 15516-90025	8L 01 14 01
15517A	OPER NOTE	MAR80 15517-90000	JUN80 15517-90025	8L 01 14 01
15518A	OPER & SERV MAN	JUL84 15518-90000	AUG85 15518-90025	8L 01 14 01
15518B	OPER & SERV MAN	JUL84 15518-90000	AUG85 15518-90025	8L 01 14 01
15518C	OPER & SERV MAN	JUL84 15518-90000	AUG85 15518-90025	8L 01 14 01
15519A	OPER NOTE	SEP79 15519-90000	DEC79 15519-90025	8L 01 14 01
15520A	OPER NOTE OPER NOTE	JUN77 15520-90001 JAN72 15520-95001	SEP77 15520-90026 OCT72 15520-95026*	8L 01 14 01 01 14 01 USE 15520A FICHE 15520-90026

1701A-01
1701A-01
1701A-02
1701B

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DESCRIPTION ***

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*** DESCRIPTION ***											
15520C		OPER NOTE	SEP79	15520-90002	DEC79	15520-90027	8L	01	14	01	
15521A		OPER NOTE	JAN72	15521-95001	OCT72	15521-95026*	01	14	01	USE 15521B FICHE 15521-90025	
15521B		OPER NOTE	JAN76	15521-90000	DEC82	15521-90025	8L	01	14	01	
15522A		OPER NOTE	JAN72	15522-95001	OCT72	15522-95026	01	14	01		
15522C		OPER NOTE	DEC77	15522-90001	MAR78	15522-90026	8L	01	14	01	
15524A		SERV NOTE SET BELOW 15524A-1/15525A-1/ 15526A-1	NOV68	WA SER BELOW	MAY78 U830-00300.	FAULTY ACCESSORY CABLES					
15525A		SERV NOTE SET BELOW 15524A-1/15525A-1/ 15526A-1	NOV68	WA SER BELOW	MAY78 U830-00300.	FAULTY ACCESSORY CABLES					
15526A		OPER NOTE SERV NOTE SET BELOW 15524A-1/15525A-1/ 15526A-1	JAN72	15526-95001	OCT72	15526-95026	01	14	01		
			NOV68	WA SER BELOW	MAY78 U830-00300.	FAULTY ACCESSORY CABLES					
15530A		OPER NOTE	OCT70	15530-95000	FEB71	15530-95025	01	14	01		
15533A		OPER NOTE	JAN72	15533-95001	OCT72	15533-95026	01	14	01		
15533B		OPER NOTE	JAN76	15533-90000	DEC82	15533-90025	8L	01	14	01	
15537A		OPER NOTE	OCT70	15537-95000	FEB71	15537-95025	01	14	01		
15549A		OPER & SERV MAN MAN CHANGE	APR72 MAY72	15549-95000 15549-95000	OCT72	15549-95025	01	14	01		
15550A		OPER NOTE OPER NOTE	JAN72 JAN76	15550-95000 15550-90001	OCT72 SEP83	15550-95025* 15550-90026	01 8L	14 01	01	USE 15550A FICHE 15550-90026	
15550C		OPER NOTE	SEP79	15550-90002	DEC79	15550-90027	8L	01	14	01	
15570A		OPER NOTE	SEP76	15570-90000	JUL77	15570-90025	8L	01	14	01	
15575A		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15575B		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15575C		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15575D		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 05575-90000	AUG80	15575-90025	8L	01	14	01	
15575E		OPER & SERV NOTE	FEB78	15575-90000	AUG80	15575-90025	8L	01	14	01	

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MODEL
NUMBER

1702A

1703A

1706A

1706B

1707A

1707A-H6

1707A-00

1707A-00

1707A-00

1707A-01

1707A-02

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15575A	OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L 01 14 01
15575B	OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L 01 14 01
15575C	OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L 01 14 01
15575D	OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 05575-90000	AUG80	15575-90025	8L 01 14 01
15575E	OPER & SERV NOTE	FEB78	15575-90000	AUG80	15575-90025	8L 01 14 01

1707A-005
1707A-008
1707A-009
1707A-016
1707A-020

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 63
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
15575E		MAN CHANGE	JUN79	15575-90000	AUG80	15575-90025	8L	01	14	01	
15575F		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15575G		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15575H		OPER & SERV NOTE MAN CHANGE	FEB78 JUN79	15575-90000 15575-90000	AUG80	15575-90025	8L	01	14	01	
15578A		OPER & SERV NOTE	FEB78	15578-90000	MAR78	15578-90025	8L	01	14	01	
15578A-001		OPER & SERV NOTE	FEB78	15578-90000	MAR78	15578-90025	8L	01	14	01	
15578A-002		OPER & SERV NOTE	FEB78	15578-90000	MAR78	15578-90025	8L	01	14	01	
15578A-004		OPER & SERV NOTE	FEB78	15578-90000	MAR78	15578-90025	8L	01	14	01	
15578A-005		OPER & SERV NOTE	FEB78	15578-90000	MAR78	15578-90025	8L	01	14	01	
15578B		OPER & SERV NOTE MAN CHANGE	JAN80 MAR80	15578-90001 15578-90001	AUG80	15578-90026	8L	01	14	01	
15578B-001		OPER & SERV NOTE MAN CHANGE	JAN80 MAR80	15578-90001 15578-90001	AUG80	15578-90026	8L	01	14	01	
15578B-002		OPER & SERV NOTE MAN CHANGE	JAN80 MAR80	15578-90001 15578-90001	AUG80	15578-90026	8L	01	14	01	
15578B-004		OPER & SERV NOTE MAN CHANGE	JAN80 MAR80	15578-90001 15578-90001	AUG80	15578-90026	8L	01	14	01	
15578B-005		OPER & SERV NOTE MAN CHANGE	JAN80 MAR80	15578-90001 15578-90001	AUG80	15578-90026	8L	01	14	01	
15580A		OPER & SERV NOTE MAN CHANGE	NOV76 MAY80	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15580A-001		OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15580A-002		OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15580A-003		OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15580A-004		OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15580A-005		OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L	01	14	01	
15581A		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	

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MODEL
NUMBER

1707B

1707B-H60

1707B-020

1707B-300

17090A
1710A

1710B

17106A

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CELERATOR CONN

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BOVE
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DESCRIPTION ***

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											

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MODEL
NUMBER

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LOW

15580A-003	OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L 01 14 01
15580A-004	OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L 01 14 01
15580A-005	OPER & SERV NOTE MAN CHANGE	NOV76 JUL77	15580-90000 15580-90000	MAY82	15580-90025	8L 01 14 01
15581A	OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L 01 14 01

17106A

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PTION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 64
*** DESCRIPTION ***											
15581A-001		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	
15581A-002		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	
15581A-003		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	
15581A-004		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	
15581A-005		OPER & SERV NOTE	NOV76	15581-90000	JUL77	15581-90025	8L	01	14	01	
15581B		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15581B-001		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15581B-002		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15581B-003		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15581B-004		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15581B-005		OPER & SERV NOTE	FEB78	15581-90001	MAR78	15581-90026	8L	01	14	01	
15582A		OPER NOTE OPER NOTE	MAY76 SEP80	15582-90000 15582-90001	JUL77 OCT80	15582-90025* 15582-90026	8L 8L	01 01	14 14	01 01	USE 15582A FICHE 15582-90026
15585A		OPER NOTE MAN CHANGE	APR76 MAY80	15585-90000 15585-90000	AUG80	15585-90025	8L	01	14	01	
15587A		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15587A-001		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15587A-002		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15587A-003		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15587A-004		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15587A-005		OPER & SERV NOTE MAN CHANGE	DEC77 MAR80	15587-90000 15587-90000	AUG80	15587-90025	8L	01	14	01	
15588A		OPER & SERV NOTE MAN CHANGE	FEB78 MAR80	15588-90000 15588-90000	AUG80	15588-90025	8L	01	14	01	
15588A-001		OPER & SERV NOTE MAN CHANGE	FEB78 MAR80	15588-90000 15588-90000	AUG80	15588-90025	8L	01	14	01	
15588A-002		OPER & SERV NOTE MAN CHANGE	FEB78 MAR80	15588-90000 15588-90000	AUG80	15588-90025	8L	01	14	01	

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17107A

17108A

17108AM

1712A

A/C-3
DES

ON
A5Q41

ADJUSTMENT

X PERSISTANCE
IABILITY
V RELIABILITY
CK HAZZARD
SUPPLY

LOW

OVE

1715A

-3283

CRT REPL

1715A-005

17170A

17171A

17172A

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15588A	OPER & SERV NOTE MAN CHANGE	FEB78 15588-90000 MAR80 15588-90000	AUG80 15588-90025 8L 01 14 01
15588A-001	OPER & SERV NOTE MAN CHANGE	FEB78 15588-90000 MAR80 15588-90000	AUG80 15588-90025 8L 01 14 01
15588A-002	OPER & SERV NOTE MAN CHANGE	FEB78 15588-90000 MAR80 15588-90000	AUG80 15588-90025 8L 01 14 01

17170A

17171A

17172A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 65
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
15588A-004		OPER & SERV NOTE MAN CHANGE	FEB78 MAR80	15588-90000 15588-90000	AUG80	15588-90025	8L	01	14	01	
15588A-005		OPER & SERV NOTE MAN CHANGE	FEB78 MAR80	15588-90000 15588-90000	AUG80	15588-90025	8L	01	14	01	
15589A		OPER NOTE	APR77	15589-90000	JUL77	15589-90025	8L	01	14	01	
15590A		OPER NOTE MAN CHANGE	NOV76 JUN80	15590-90000 15590-90000	AUG80	15590-90025	8L	01	14	01	
15591A		OPER NOTE	MAY76	15591-90000	JUL77	15591-90025	8L	01	14	01	
15592A		OPER NOTE	MAY76	15592-90000	JUL77	15592-90025	8L	01	14	01	
15593A		OPER NOTE	MAY76	15593-90000	JUL77	15593-90025	8L	01	14	01	
15600A		OPER NOTE OPER NOTE OPER NOTE	JUN80 NOV80 NOV82	15600-90000 15600-90001 15600-90002	AUG80 FEB81 FEB83	15600-90025* 15600-90026* 15600-90027	8L	01	14	01	USE 15600A FICHE 15600-90026 USE 15600A FICHE 15600-90027
15601A		OPER NOTE OPER NOTE OPER NOTE	JUN80 NOV80 NOV82	15600-90000 15600-90001 15600-90002	AUG80 FEB81 FEB83	15600-90025* 15600-90026* 15600-90027	8L	01	14	01	USE 15601A FICHE 15600-90026 USE 15601A FICHE 15600-90027
15602A		OPER NOTE OPER NOTE OPER NOTE	JUN80 NOV80 NOV82	15600-90000 15600-90001 15600-90002	AUG80 FEB81 FEB83	15600-90025* 15600-90026* 15600-90027	8L	01	14	01	USE 15602A FICHE 15600-90026 USE 15602A FICHE 15600-90027
15603A		OPER NOTE OPER NOTE OPER NOTE	JUN80 NOV80 NOV82	15600-90000 15600-90001 15600-90002	AUG80 FEB81 FEB83	15600-90025* 15600-90026* 15600-90027	8L	01	14	01	USE 15603A FICHE 15600-90026 USE 15603A FICHE 15600-90027
15609A		OPER NOTE	JUN80	15609-90000	AUG80	15609-90025	8L	01	14	01	
1580A		OPER & SERV MAN MAN CHANGE	APR71 MAY71	01580-90901 01580-90901	AUG71	01580-90801		01	08	02	
160A		OPER INSTRUCT OPER & SERV MAN	APR63 MAR60	5950-1664 160A-901	SEP82 APR71	5950-1927 160A-801	8L	01	21	01	
160B		OPER & SERV MAN MAN CHANGE MAN SUPP	JAN62 FEB65 JAN00	160B-900 160B-900 160B-900	NOV75	160B-800	8L	01	08	03	
160B-H02		OPER & SERV MAN MAN CHANGE MAN SUPP	JAN62 FEB65 JAN00	160B-900 160B-900 160B-900	NOV75	160B-800	8L	01	08	03	
1600		SERV NOTE SET BELOW 10230A/B-10231A/B-1 10230B-1 CONT'D	DEC74 FEB76	WN FIELD REPAIR KIT.SUPER 1601A-2 WO 10230B CLOCK PROBE ACCESSORY.MOD TO IMPR LO LEVEL THRESHOLD RECOGNITION WITH HIGH LEVEL INPUT SIGNALS	MAY78						

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17173A

17174A

17175A

17176A

17177A

17178A

1720A

1720AF

1722A

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1600A		OPER & SERV MAN OPER & SERV MAN	JUL76 JAN77	01600-90904 01600-90905	DEC76 MAR77	01600-90804* 01600-90805*	8L	01	08	03	USE 1600A FICHE 01600-90805 USE 1600A FICHE 01600-90806

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160B-H02 OPER & SERV MAN JAN62 160B-900 NOV75 160B-800 8L 01 08 03
 MAN CHANGE FEB65 160B-900
 MAN SUPP JAN00 160B-900

1600 SERV NOTE SET BELOW MAY78
 10230A/B-10231A/B-1 DEC74 WN FIELD REPAIR KIT.SUPER 1601A-2
 10230B-1 FEB76 WO 10230B CLOCK PROBE ACCESSORY.MOD TO IMPR LO LEVEL THRESHOLD RECOGNITION WITH
 CONT'D HIGH LEVEL INPUT SIGNALS

1720AF

1722A

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 66
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1600A OPER & SERV MAN JUL76 01600-90904 DEC76 01600-90804* 8L 01 08 03 USE 1600A FICHE 01600-90805
 OPER & SERV MAN JAN77 01600-90905 MAR77 01600-90805* 8L 01 08 03 USE 1600A FICHE 01600-90806
 OPER & SERV MAN JAN78 01600-90906 APR78 01600-90806* 8L 01 08 03 USE 1600A FICHE 01600-90807
 OPER & SERV MAN JUN78 01600-90907 AUG78 01600-90807* 8L 01 08 03 USE 1600A FICHE 01600-90808
 OPER & SERV MAN JAN79 01600-90908 MAR79 01600-90808* 8L 01 08 03 USE 1600A FICHE 01600-90810
 OPER & SERV MAN JUN80 01600-90910 SEP80 01600-90810 8L 01 D2 03
 SERV NOTE SET BELOW JAN82
 1600A-0 OCT81 WN SERV NOTE INDEX
 1600A-1 APR77 WO SER 1631A03015 & BELOW.MOD TO ELIMINATE DEFOCUSED DISPLAY
 1600A-2 MAY77 WO SER 1631A.PREFERRED REPLMENT FOR A8U4
 1600A-3 DEC79 WO SER 1714A05004 & BELOW.MOD TO PREVENT INCORRECT DATA STORAGE INTO "B" TABLE
 1600A-4 OCT81 WN SER 2009A05604 & BELOW.REC REPL PROC FOR IC A1U80

1600A-580 OPER & SERV MAN JAN77 01600-90905 MAR77 01600-90805* 8L 01 08 03 USE 1600A-580 FICHE 01600-90806
 OPER & SERV MAN JAN78 01600-90906 APR78 01600-90806* 8L 01 08 03 USE 1600A-580 FICHE 01600-90807
 OPER & SERV MAN JUN78 01600-90907 AUG78 01600-90807* 8L 01 08 03 USE 1600A-580 FICHE 01600-90808
 OPER & SERV MAN JAN79 01600-90908 MAR79 01600-90808* 8L 01 08 03 USE 1600A-580 FICHE 01600-90810
 OPER & SERV MAN JUN80 01600-90910 SEP80 01600-90810 8L 01 D2 03

16005A OPER NOTE NOV83 16005-90000 JAN84 16005-90050 8L 01 33 01

16008A OPER NOTE MAR74 16008-99000 JUN74 16008-99050* 01 33 01 USE 16008A FICHE 16008-99051
 OPER NOTE APR79 16008-99001 AUG79 16008-99051* 8L 01 33 01 USE 16008A FICHE 16008-99051
 OPER NOTE APR82 16008-99001 APR83 16008-99051 8L 01 33 01
 SERV NOTE SET BELOW MAY78
 16008A-1 MAR71 ILLUSTRATED PARTS IDENTIFICATION

1601A OPER & SERV MAN FEB74 01601-90903 SEP85 01601-90803 8L 01 D2 02
 MAN CHANGE FEB75 01601-90903

1601A/L SERV NOTE SET BELOW JAN82
 10230A/B-10231A/B-1 DEC74 WN FIELD REPAIR KIT.SUPER 1601A-2
 10230B-1 FEB76 WO 10230B CLOCK PROBE ACCESSORY.MOD TO IMPR LO LEVEL THRESHOLD RECOGNITION WITH
 CONT'D HIGH LEVEL INPUT SIGNALS
 1601A-1 FEB74 WO SER 1338A + DOWN.TRANSFORMER REPL

1602A OPER & SERV MAN MAR78 01602-90902 MAR78 01602-90802* 8L 01 08 02 USE 1602A FICHE 01602-90804
 OPER & SERV MAN JAN79 01602-90904 FEB79 01602-90804 8L 01 D2 02

16021A OPER NOTE NOV74 16021-99000 SEP85 16021-99050 8L 01 33 01

16022A OPER NOTE NOV74 16022-99000 JAN75 16022-99050* 01 33 01 USE 16022A FICHE 16022-99051
 OPER NOTE JUN80 16022-99001 AUG80 16022-99051 8L 01 33 01

16023A OPER NOTE APR84 16023-99000 JUN84 16023-99050 8L 01 33 01
 OPER NOTE NOV74 16023-99000 JAN75 16023-99050 01 33 01

16023B OPER NOTE MAR80 16000-99000 MAY80 16000-99050* 8L 01 33 01 USE 16023B FICHE 16000-99051
 OPER NOTE AUG80 16000-99001 SEP80 16000-99051* 8L 01 33 01 USE 16023B FICHE 16023-99060
 OPER NOTE MAR82 16023-99010 APR83 16023-99060 8L 01 33 01

16032A OPER NOTE NOV74 16032-99000 JAN75 16032-99050* 01 33 01 USE 16032A FICHE 16032-99051
 OPER NOTE MAR82 16032-99001 MAR84 16032-99051 8L 01 33 01
 MAN CHANGE DEC83 16032-99001

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1722A

1722A-001

1722A-003

1722A-011

1722A-091

1722A-092

1722A-093

1722A-095

1722A-096

1722A-101

1722B

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

16033A OPER NOTE NOV74 16032-99000 JAN75 16032-99050* 01 33 01 USE 16033A FICHE 16032-99051
 OPER NOTE MAR82 16032-99001 MAR84 16032-99051 8L 01 33 01
 MAN CHANGE DEC83 16032-99001

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16032A	OPER NOTE OPER NOTE MAN CHANGE	NOV74 16032-99000 MAR82 16032-90001 DEC83 16032-90001	JAN75 16032-99050* 01 33 01 MAR84 16032-90051 8L 01 33 01	USE 16032A FICHE 16032-90051
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION	PAGE 67
16033A		OPER NOTE OPER NOTE MAN CHANGE	NOV74 MAR82 DEC83	16032-99000 16032-90001 16032-90001	JAN75 MAR84	16032-99050* 16032-90051	01 8L	33 01	01 01	01 01	USE 16033A FICHE 16032-90051	
16034B		OPER NOTE OPER NOTE OPER NOTE MAN CHANGE	MAR80 AUG80 DEC81 OCT82	16000-90000 16000-90001 16034-90010 16034-90010	MAY80 SEP80 APR83	16000-90050* 16000-90051* 16034-90060	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16034B FICHE 16000-90051 USE 16034B FICHE 16034-90060	
16035A		OPER NOTE OPER NOTE OPER NOTE OPER NOTE	MAY71 AUG76 AUG77 DEC81	16035-99000 16035-99001 16035-99002 16035-99003	SEP71 JUL77 SEP77 APR83	16035-99050* 16035-99051* 16035-99052* 16035-99053	01 8L 8L 8L	33 01 01 01	01 01 01 01	01 01 01 01	USE 16035A FICHE 16035-99051 USE 16035A FICHE 16035-99052 USE 16035A FICHE 16035-99053	
16036A		OPER NOTE OPER NOTE OPER NOTE OPER NOTE	MAY71 FEB76 AUG77 APR81	16036-99000 16036-99001 16036-99002 16036-99002	JUN75 JUL77 SEP77 MAY81	16036-99052* 16036-99051* 16036-99052* 16036-99052	01 8L 8L 8L	33 01 01 01	01 01 01 01	01 01 01 01	USE 16036A FICHE 16036-99051 USE 16036A FICHE 16036-99052 USE 16036A FICHE 16036-99052	
16038A		OPER NOTE OPER NOTE	NOV74 DEC81	16038-99000 16038-90001	JAN75 APR83	16038-99050* 16038-90051	01 8L	33 01	01 01	01 01	USE 16038A FICHE 16038-90051	
16039A		OPER NOTE	NOV74	16039-99000	SEP85	16039-99050	8L	01	33	01		
16047A		OPER NOTE OPER NOTE OPER NOTE MAN CHANGE	MAR80 AUG80 JAN83 SEP83	16000-90000 16000-90001 16047-90000 16047-90000	MAY80 SEP80 MAR84	16000-90050* 16000-90051* 16047-90050	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16047A FICHE 16000-90051 USE 16047A FICHE 16047-90050	
16047B		OPER NOTE OPER NOTE OPER NOTE MAN CHANGE	MAR80 AUG80 FEB81 NOV84	16000-90000 16000-90001 16047-90010 16047-90010	MAY80 SEP80 APR85	16000-90050* 16000-90051* 16047-90060	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16047B FICHE 16000-90051 USE 16047B FICHE 16047-90060	
16047C		OPER NOTE OPER NOTE OPER NOTE MAN CHANGE	MAR80 AUG80 MAR82 MAR83	16000-90000 16000-90001 16047-90020 16047-90020	MAY80 SEP80 JUN83	16000-90050* 16000-90051* 16047-90070	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16047C FICHE 16000-90051 USE 16047C FICHE 16047-90070	
16047D		OPER NOTE	AUG85	16047-90300	NOV85	16047-90350	8L	01	33	01		
16048A		OPER NOTE OPER NOTE OPER NOTE	MAR80 AUG80 OCT83	16000-90000 16000-90001 16048-90000	MAY80 SEP80 JAN84	16000-90050* 16000-90051* 16048-90050	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16048A FICHE 16000-90051 USE 16048A FICHE 16048-90050	
16048B		OPER NOTE OPER NOTE OPER NOTE	MAR80 AUG80 OCT83	16000-90000 16000-90001 16048-90010	MAY80 SEP80 JAN84	16000-90050* 16000-90051* 16048-90060	8L 8L 8L	01 01 01	33 33 33	01 01 01	USE 16048B FICHE 16000-90051 USE 16048B FICHE 16048-90060	
16048C		OPER NOTE OPER NOTE OPER NOTE OPER NOTE MAN CHANGE	MAR80 AUG80 FEB81 OCT82 AUG83	16000-90000 16000-90001 16048-90020 16048-90021 16048-90021	MAY80 SEP80 MAR81 NOV83	16000-90050* 16000-90051* 16048-90070* 16048-90071	8L 8L 8L 8L	01 01 01 01	33 33 33 33	01 01 01 01	USE 16048C FICHE 16000-90051 USE 16048C FICHE 16048-90070 USE 16048C FICHE 16048-90071	

1725A	
1725A-H08	
1725A-H14	
1725A-005	
17251A	
17252A	
17253A	
1726A	
1727A	
1740A	

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16048D		OPER NOTE	SEP83	16048-90030	JUN84	16048-90080	8L	01	33	01		
16053A		OPER NOTE OPER NOTE	MAR80 MAR82	04140-90100 04140-90101	MAY80 MAR83	04140-90150* 04140-90151	8L 8L	01 01	33 33	01 01	USE 16053A FICHE 04140-90151 FOR MOD 4140A/B PA/DC VOLTAGE SOURCE	

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16048C	OPER NOTE	MAR80 16000-90000	MAY80 16000-90050*	8L 01 33 01	USE 16048C FICHE 16000-90051
	OPER NOTE	AUG80 16000-90001	SEP80 16000-90051*	8L 01 33 01	USE 16048C FICHE 16048-90070
	OPER NOTE	FEB81 16048-90020	MAR81 16048-90070*	8L 01 33 01	USE 16048C FICHE 16048-90071
	OPER NOTE	OCT82 16048-90021	NOV83 16048-90071	8L 01 33 01	
	MAN CHANGE	AUG83 16048-90021			

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
16048D		OPER NOTE	SEP83	16048-90030	JUN84	16048-90080	8L	01	33	01	
16053A		OPER NOTE OPER NOTE	MAR80 MAR82	04140-90100 04140-90101	MAY80 MAR83	04140-90150* 04140-90151	8L	01	33	01	USE 16053A FICHE 04140-90151 FOR MOD 4140A/B PA/DC VOLTAGE SOURCE
16054A		OPER NOTE OPER NOTE	MAR80 MAR82	04140-90100 04140-90101	MAY80 MAR83	04140-90150* 04140-90151	8L	01	33	01	USE 16054A FICHE 04140-90151 FOR MOD 4140A/B PA/DC VOLTAGE SOURCE
16055A		OPER NOTE OPER NOTE	MAR80 MAR82	04140-90100 04140-90101	MAY80 MAR83	04140-90150* 04140-90151	8L	01	33	01	USE 16055A FICHE 04140-90151 FOR MOD 4140A/B PA/DC VOLTAGE SOURCE
16056A		OPER NOTE OPER NOTE	MAR80 MAR82	04140-90100 04140-90101	MAY80 MAR83	04140-90150* 04140-90151	8L	01	33	01	USE 16056A FICHE 04140-90151 FOR MOD 4140A/B PA/DC VOLTAGE SOURCE
16057A		OPER NOTE OPER NOTE MAN CHANGE	MAR80 APR81 AUG84	16057-90000 16057-90001 16057-90001	MAY80 NOV84	16057-90050* 16057-90051	8L	01	33	01	USE 16057A FICHE 16057-90051
16058A		OPER NOTE	MAR82	16058-90000	APR83	16058-90050	8L	01	33	01	
16059A		OPER NOTE	JUL85	16059-90000	NOV85	16059-90050	8L	01	33	01	
16064A		OPER NOTE MAN CHANGE	NOV82 DEC82	16064-90000 16064-90000	JAN83	16064-90050	8L	01	33	01	
16065A		OPER NOTE	SEP82	16065-90000	NOV82	16065-90050	8L	01	33	01	
16066A		OPER NOTE MAN CHANGE	JAN84 APR84	16066-90000 016066-90000	JUN84	16066-90050	8L	01	33	01	
16067A		OPER NOTE MAN CHANGE	JAN84 APR84	16067-90000 016067-90000	JUN84	16067-90050	8L	01	33	01	
16068A		OPER NOTE MAN CHANGE	JAN84 APR84	16068-90000 016068-90000	JUN84	16068-90050	8L	01	33	01	
16069A		OPER NOTE MAN CHANGE	JAN84 APR84	16069-90000 016069-90000	JUN84	16069-90050	8L	01	33	01	
1607A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 10230A/B-10231A/B-1 10230B-1 CONT'D 1607A-0 1607A-1 1607A-2	OCT76 JAN78 JUN78 MAY79 NOV80 JAN81	01607-90903 01607-90904 01607-90905 01607-90906 01607-90907 01607-90907	DEC76 APR78 AUG78 JUN79 JUN81	01607-90803* 01607-90804* 01607-90805* 01607-90806* 01607-90807	8L 8L 8L 8L 8L	01 01 01 01 01	08 08 08 08 02	03 03 03 03 03	USE 1607A FICHE 01607-90804 USE 1607A FICHE 01607-90805 USE 1607A FICHE 01607-90806 USE 1607A FICHE 01607-90807
			JAN82								
			DEC74	WN FEILD REPAIR KIT.SUPER 1601A-2							
			FEB76	WO 10230B CLOCK PROBE ACCESSORY.MOD TO IMPR LO LEVEL THRESHOLD RECOGNITION WITH HIGH LEVEL INPUT SIGNALS							
			OCT81	WN SERV NOTE INDEX							
			MAR76	WO ALL SER.PREF FOR FUSES A3F2 + A3F3							
			OCT81	WN SER 2005A04086 & BELOW.REC REPL PROC FOR IC A1U80							
1607A-580		OPER & SERV MAN MAN CHANGE	NOV80 JAN81	01607-90907 01607-90907	JUN81	01607-90807	8L	01	D2	03	

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1740B

17400A

17401A

17402A

17403A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 69
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
16070A		OPER NOTE MAN CHANGE	JAN84 APR84	16070-90000 016070-90000	JUN84	16070-90050	8L	01	33	01	
16071A		OPER NOTE MAN CHANGE	JAN84 APR84	16071-90000 016071-90000	JUN84	16071-90050	8L	01	33	01	

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MODEL
NUMBER

1741A-003

1741A-005

1607A-580

OPER & SERV MAN
MAN CHANGENOV80 01607-90907
JAN81 01607-90907

JUN81 01607-90807 8L 01 D2 03

1607A-1
1607A-2MAR76 WO ALL SER.PREF FOR FUSES A3F2+ A3F3
OCT81 WN SER 2005A04086 & BELOW.RECREPL PROC FOR IC A1U80

1741A-002

OF

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***
16070A		OPER NOTE MAN CHANGE	JAN84 APR84	16070-90000 016070-90000	JUN84	16070-90050	8L	01	33	01	
16071A		OPER NOTE MAN CHANGE	JAN84 APR84	16071-90000 016071-90000	JUN84	16071-90050	8L	01	33	01	
16072A		OPER NOTE MAN CHANGE	JAN84 APR84	16072-90000 016072-90000	JUN84	16072-90050	8L	01	33	01	
16074A		OPER NOTE MAN CHANGE	JUL81 JAN83	16074-90000 16074-90000	MAY83	16074-90050	8L	01	33	01	
16075A		OPER NOTE	JAN84	16075-90000	APR84	16075-90050	8L	01	33	01	
16076A		OPER NOTE	JAN84	16076-90000	APR84	16076-90050	8L	01	33	01	
16077A		OPER NOTE MAN CHANGE	JAN84 APR84	16077-90000 016077-90000	JUN84	16077-90050	8L	01	33	01	
16079A		OPER NOTE	NOV84	16079-90000	FEB85	16079-90050	8L	01	33	01	
16080A		OPER NOTE	JUL83	16080-90000	SEP83	16080-90050	8L	01	33	01	
16081A		OPER NOTE MAN CHANGE	JUL83 SEP83	16081-90000 16081-90000	SEP84	16081-90050	8L	01	33	01	
16082A		OPER NOTE MAN CHANGE	JUL83 SEP83	16082-90000 16082-90000	SEP84	16082-90050	8L	01	33	01	
16083A		OPER NOTE MAN CHANGE	JUL83 APR84	16083-90000 016083-90000	JUN84	16083-90050	8L	01	33	01	
16084A		OPER NOTE SERV NOTE SET BELOW 16084A-1	SEP83 SEP84	16084-90000 WN ALL SER.DC	DEC83 JAN85	16084-90050 RESISTANCE CALIB PROC	8L	01	33	01	
16085A		OPER NOTE	AUG85	16085-90000	NOV85	16085-90050	8L	01	33	01	
16086A		OPER NOTE	AUG85	16086-90000	NOV85	16086-90050	8L	01	33	01	
16091A		OPER NOTE MAN CHANGE	APR82 MAR82	16091-90000 16091-90000	APR83	16091-90050	8L	01	33	01	
16092A		OPER NOTE MAN CHANGE	APR82 APR84	16092-90000 16092-90000	JUN84	16092-90050	8L	01	33	01	
16093A		OPER NOTE MAN CHANGE	APR82 MAR82	16093-90000 16093-90000	APR83	16093-90050	8L	01	33	01	
16093B		OPER NOTE MAN CHANGE	DEC80 MAR82	16093-90010 16093-90010	MAR82	16093-90060	8L	01	33	01	
16094A		OPER NOTE MAN CHANGE	AUG82 MAR82	16094-90000 16094-90000	APR83	16094-90050	8L	01	33	01	

11/08/85
MODEL
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1741A-003

OPE

1741A-005

OPE

1741A-101

OPE

1742A

OPE

1742A/005

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1743A

OPE

1744

174

1744A

OPE

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***
16095A		OPER NOTE OPER NOTE	FEB81 MAR82	16095-90000 16095-90001	MAR81 APR83	16095-90050* 16095-90051	8L	01	33	01	USE 16095A FICHE 16095-90051
16096A		OPER NOTE MAN CHANGE	MAY82 JUL84	16096-90000 16096-90000	NOV84	16096-90050	8L	01	33	01	

11/08/85
MODEL
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C

1745A

OPE

MAN

SER

174

16094A

OPER NOTE
MAN CHANGEAUG82 16094-90000
MAR82 16094-90000

APR83 16094-90050 8L 01 33 01

11/08/85
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DATEFICHE PART
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L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

16095A

OPER NOTE
OPER NOTEFEB81 16095-90000
MAR82 16095-90001MAR81 16095-90050* 8L 01 33 01 USE 16095A FICHE 16095-90051
APR83 16095-90051 8L 01 33 01

16096A

OPER NOTE
MAN CHANGEMAY82 16096-90000
JUL84 16096-90000

NOV84 16096-90050 8L 01 33 01

16097A

OPER NOTE
MAN CHANGEAPR82 16097-90000
MAR85 16097-90000

MAY85 16097-90050 8L 01 33 01

16099A

OPER NOTE

OCT81 16099-90000

NOV81 16099-90050 8L 01 33 01

1610A

OPER & SERV MAN
MAN CHANGE
OPER & SERV MAN
SERV MAN
OPER GUIDE
INSTALL INSTRUCT
SERV MAN
SERV NOTE SET BELOWJUL78 01610-90904
SEP78 01610-90904
NOV79 01610-90910
JUN80 01610-90914
JUN80 01610-90916
JAN80 01610-90917
AUG81 01610-90921OCT78 01610-90804 8L 01 D2 03 SERIAL NOS PFXED BELOW 1940A
SEP80 01610-90810* 8L 01 08 04 USE 1610A FICHE 01610-90814
FEB81 01610-90814* 8L 01 D2 04 USE 1610A FICHE 01610-90821
OCT80 01610-90816 8L 01 D2 02
NOV81 01610-90817 8L 01 D2 01
SEP81 01610-90821 8L 01 D2 04 SERIAL NO PFXED 2134A & ABOVE
JAN821610A-1
1610A-2
1610A-3A
1610A-4-S
1610A-5
1610A-6
1610A-7
1610A-8
1610A-9
1610A-10
1610A-11
1610A-12
1610A-13MAR78 WO REC MOD TO EXTENDER BD WITH CONNECTOR REVERSED
APR78 WO SER BELOW 00350.MOD TO PREVENT A9Q3 FAILURE (PREF REPL FOR A9U4)
JUL78 WO SER 1733A & BELOW.PREF REPL FOR A10 PWR SUPPLY BD
OCT78 WO SAFETY.SER 1812A00645 & BELOW.ELIM OF POWER LINE SOCKET SHOCK HZRD.
OCT78 WO SER 1822A & BELOW & 01610-63005 SER BELOW 1806A01040.MOD TO PREVENT FUSE FAILURES.
SEP78 WO MOD TO DISPLAY BD TO IMPROVE PERF.
DEC78 WN ALL SER.LOW VOLTAGE PWR SUPPLY TROUBLESHOOTING.
JAN80 WO SER 1836A01319 & BELOW.MOD TO IMPROVE REL
JAN80 WA SER 1940A01704 TO 1940A01764.MOD TO IMPR PWR SUPP REG
JAN80 WO SER 1940A01854 & BELOW.MOD TO ADD MORE BEEPS DURING 1610A POWER UP
SEP80 WA SER 1936A & BELOW.NOTIF THAT REBUILT POWER SUPPLIES ARE AVAIL FOR REPL
SEP80 WO SER 1940A.REC ROM REPL KITS IN EVENT OF ROM FAILURE
OCT81 WA SER 2134A02062 TO 2134A02071.REC MOD TO CORRECT SPURIOUS SIGNALS

1610A-003

OP & SERV MAN SUPP
OP & SERV MAN SL'OPDEC78 01610-90906
AUG80 01610-90918FEB79 01310-90806* 8L 01 08 01 USE 1610A-003 FICHE 01610-90818
JUN81 01610-90818 8L 01 D2 02

1610B

OPER & SERV MAN
OPER & SERV MAN
SERV MAN
OPER GUIDE
INSTALL INSTRUCT
SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
1610B-1
1610B-2
1610B-3JUL79 01610-90907
MAR80 01610-90913
JUN80 01610-90915
JUN80 01610-90916
JNA00 01610-90917
MAR81 01610-90922
JUN82 01610-90922AUG79 01610-90807* 8L 01 08 03 USE 1610B FICHE 01610-90813
OCT80 01610-90813* 8L 01 D2 04 USE 1610B FICHE 01610-90515
FEB81 01610-90815* 8L 01 D2 04 USE 1610B FICHE 01610-90822
OCT80 01610-90816 8L 01 D2 02
NOV81 01610-90817 8L 01 D2 01
AUG82 01610-90822 8L 01 D2 04JAN82
JAN80 WO SER 1940A00446 & BELOW.MOD TO ADD MORE BEEPS DURING 1610B POWER UP
SEP80 WO SER 1940A & BELOW.REC ROM REPL KIT IN EVENT OF ROM FAILURE.
OCT81 WA SER 2111A00954 TO 2111A01164.REC MOD TO CORRECT SPURIOUS SIGNALS

1610B-003

OP & SERV MAN SUPP

MAR79 01610-90908

JUN79 01610-90808 8L 01 D2 01

1611A

OPER & SERV MAN
OPER & SERV MAN
OPER & SERV MAN
SERV MANFEB77 01611-90903
APR78 01611-90905
MAY79 01611-90908
JUL80 01611-90909MAR77 01611-90803* 8L 01 08 02 USE 1611A FICHE 01611-90805
OCT78 01611-90805* 8L 01 08 03 USE 1611A FICHE 01611-90808
JUN80 01611-90808* 8L 01 D2 03 USE 1611A FICHE 01611-90809
OCT82 01611-90809 8L 01 D2 0311/08/85
MODEL
NUMBERO
C

1745A

OPER
MAN
OPER
SERV
1745

1745A-005

OPER

1746A

OPER
MAN
OPER
OPER
SERV
1746

1746A-005

OPER

175A

OPER
MAN
OPER
SERV
175A
175A
175A
175A
175A
175A
175A
175A
175A
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175A
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175A
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175A
175A
175A

1750A

OPER
MAN
MAN

1750B

OPER
SERV
1750
1750
1750
1750

17500A

OPER
MAN
SERV
1750

17501A

OPER
MAN11/08/85
MODEL
NUMBERO
CLITERATURE
TYPEH/C
DATEH/C PART
NUMBERFICHE
DATEFICHE PART
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1611A

MAN CHANGE
SERV NOTE SET BELOW
1611A-1
1611A-2
1611A-3
1611A-4
1611A-5
1611A-6AUG82 01611-90909
AUG77 WO SER 1635A00506 & BELOW.IMPROVED RELIABILITY MOD OF A3U6 (1820-1796)
AUG77 WO SER 173A00565 & BELOW.MOD TO PREVENT BOTTOM COVER FROM SHORTING POWER SUPPLY
JUL77 WO SER 1635A & BELOW. FUSE CHANGE TO PREVENT +5 VOLT SUPPLY FUSE FAILURE
JUL77 WO SER 1723A00590 & BELOW.POWER SUPPLY CURRENT LIMIT MOD
DEC77 WO SER BELOW 1723A00696.TRACE POINT OUTPUT CORRECTION
DEC77 WO SER BELOW 1723A00700.MOD TO CORRECT RANDOM INCORRECT TRIGGERINGOCT82 01611-90809 8L 01 D2 03
APR8311/08/85
MODEL
NUMBERO
C

17501A

SERV
1750
1750
1750

17502A

OPER
MAN
SERV

OPER & SERV MAN
SERV MAN
MAY79 01611-90908
JUL80 01611-90909

USE 1611A FICHE 01611-90808
JUN80 01611-90808* 8L 01 D2 03
OCT82 01611-90809 8L 01 D2 03

17501A

OPER
MAN C

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 71
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1611A MAN CHANGE
SERV NOTE SET BELOW
1611A-1 AUG68 01611-90909 OCT82 01611-90809 8L 01 D2 03
1611A-2 AUG77 WO SER 1635A00506 & BELOW.IMPROVED RELIABILITY MOD OF A3U6 (1820-1796)
1611A-3 AUG77 WO SER 173A00565 & BELOW.MOD TO PREVENT BOTTOM COVER FROM SHORTING POWER SUPPLY
1611A-4 JUL77 WO SER 1635A & BELOW. FUSE CHANGE TO PREVENT +5 VOLT SUPPLY FUSE FAILURE
1611A-5 JUL77 WO SER 1723A00590 & BELOW.POWER SUPPLY CURRENT LIMIT MOD
1611A-6 DEC77 WO SER BELOW 1723A00696.TRACE POINT OUTPUT CORRECTION
1611A-7-S DEC77 WO SER BELOW 1723A00700.MOD TO CORRECT RANDOM INCORRECT TRIGGERING
1611A-8B AUG78 WO SAFETY.SER 1723A00927 & BELOW.MOD TO PREVENT PWR SOCKET SHOCK HAZARD
1611A-9 MAY80 WO SER 1837A02232 & BELOW.MOD TO ELIM BRIGHT SPOT ON CRT AFTER TURN OFF
1611A-10 APR79 WO ALL SER.PREF CABLE REPL FOR MICROPROCESSOR PROBE & EXT PROBE
10258B-1 SEP81 WA SER 2017A03322 & BELOW.REC REPL FLYBACK TRANSFORMER
10260A-1 MAY78 WO REC MOD TO "TRACE-THEN-WAIT/HOLD" TEST MODE FOR 1611A OPT A80
10262A-1 NOV82 WA SER 1838A00864 & BELOW.MOD TO CORRECT PEXCK TIMING PROB
10264A-1 DEC78 WA SER 1818A00511 & BELOW.MOD TO 10262A PERSONALITY MODULE FOR INPUT SIG THRESHOLD DECT
10266A-1 JUL79 WO SER 1837A01706 & BELOW.MOD TO PREVENT RANDOMLY INCORRECT TRIGGERING.
JUN82 WA SER 2227A & BELOW.OPT A09.NEW A9 PERSONAL BD TO CORREC SYNC

1611A-A65 OPER/SERV MAN SUPP OCT78 10261-90902 JAN79 10261-90802 8L 01 D2 02

1611A-0F8 OPER/SERV MAN SUPP NOV78 10259-90901 JAN79 10259-90801 8L 01 D2 02

1611A-068 OP & SERV MAN SUPP JAN77 10257-90901 MAR77 10257-90801 8L 01 D2 01

1611A-080 OP & SERV MAN SUPP FEB77 10258-90901 MAR77 10258-90801 8L 01 D2 01

1615A OPER & SERV MAN OCT79 01615-90904 JUN80 01615-90804* 8L 01 08 04 USE 1615A FICHE 01615-90805
OPER & SERV MAN SEP80 01615-90905 MAR83 01615-90805 8L 01 D2 04
MAN CHANGE DEC82 01615-90905
SERV NOTE SET BELOW JAN82
1615A-0 SEP81 WN SERV NOTE INDEX
1615A-1-S OCT78 WO SAFETY.SER 1825A00626 & BELOW.ELIM OF POWER LINE SCCKET SHOCK HZRD.
1615A-1 FEB79 WN SER BELOW 1905A-1750.REC MOD TO ELIM BRIGHT SPOT ON CRT AFTER TURN OFF
1615A-2 MAR80 WO SER 1937A03487 & BELOW.MOD TO ELIM BRIGHT SPOT ON CRT AFTER TURN OFF
1615A-3 MAY80 WO SER 1937A03487 & BELOW.ELIM BRIGHT SPOT ON CRT AFTER TURN OFF
1615A-4 OCT80 WO SER 2032A05185 & BELOW.CORR MEASURES FOR DIPLAY JITTER
1615A-5 SEP81 WA SER 2032A06259 & BELOW.REC REPL FLYBACK TRANSFORMER

1615A-001 OP & SERV MAN SUPP DEC78 01615-90902 FEB79 01615-90802* 8L 01 08 01 USE 1615A-001 FICHE 01615-90803
OP & SERV MAN SUPP JUL79 01615-90903 AUG79 01615-90803 8L 01 D2 01

1615A/9835-1 INTROD OPER GUIDE OCT80 01615-90907 FEB81 01615-90807 8L 01 D2 01

162A OPER & SERV MAN MAR60 160A-901 APR71 160A-801 01 08 03
SERV NOTE SET BELOW MAY78
162A-1 JUL65 REPL TRANSISTOR KIT

162B OPER & SERV MAN MAR63 162B-901 SEP71 162B-801 01 08 01

162B-H02 OPER & SERV MAN MAR63 162B-901 SEP71 162B-801 01 08 01

162C OPER & SERV MAN DEC65 170B-901 MAR71 170B-801 01 08 05
MAN CHANGE MAY68 170B-901

162D OPER & SERV MAN JAN00 162D-900 AUG81 5951-6279 8L 01 08 01

11/08/85 MODEL NUMBER O C

17501A

SERV M
17501A
17501A
17501A

17502A

OPER &
MAN CH
SERV M
17502A
17502A
17502A

17503A

OPER &
MAN CH
SERV M
17501A
17501A
17503A

17504A

OPER &
MAN CH
SERV M
17504A

17505A

OPER &
MAN CH

17506A

OPER &
MAN CH

1751A

OPER &
SERV M
1751A-

1752A

OPER &
MAN CH

1752B

OPER &
SERV M
1752B-
1752B-

1754A

OPER &
MAN CH
SERV M
1754A-
1754A-
1754A-
1754A-

1755A

OPER &
SERV M
1755A-

17550A

OPER &

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

162D-H02 OPER & SERV MAN JAN00 162D-900 AUG81 5951-6279 8L 01 08 01

162F OPER & SERV MAN NOV61 162F-900 AUG81 162F-950 8L 01 08 01
MAN CHANGE MAR63 162F-900

1620A OPER & SERV MAN MAY75 01620-90903 JUL75 01620-90803 8L 01 08 02

16292A OPER NOTE OCT84 16292-90000 FEB85 16292-90050 8L 01 33 01

11/08/85 MODEL NUMBER O C

17551A

OPER &

17552A

OPER &

17553A

OPER &

17554A

OPER &

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 73
*** DESCRIPTION ***											
16320A		INSTALL NOTE	JAN84	16320-90000	APR84	16320-90050	8L	01	33	01	
16321A		INSTALL NOTE	JAN84	16321-90000	APR84	16321-90050	8L	01	33	01	
16340A		OPER NOTE	MAR82	16340-90000	APR83	16340-90050	8L	01	33	01	
16341A		SERV MAN	FEB82	16341-90000	APR83	16341-90050	8L	01	33	01	
16342A		USER'S GUIDE OPER NOTE MAN CHANGE	JAN81 JAN81 AUG83	16342-90000 16342-90010 16342-90010	MAR81 AUG83	16342-90050 16342-90060	8L	01	33	01	
16343A		OPER NOTE	APR81	16343-90000	MAY81	16343-90050	8L	01	33	01	
16344A		OPER NOTE	APR81	16344-90000	MAY81	16344-90050	8L	01	33	01	
16345A		OPER NOTE	DEC81	16345-90000	JAN82	16345-90050	8L	01	33	01	
16361A		OPER NOTE MAN CHANGE	FEB78 DEC80	16361-90000 16361-90000	FEB81	16361-90050	8L	01	33	01	
16362A		OPER NOTE MAN CHANGE	FEB78 DEC80	16361-90000 16361-90000	FEB81	16361-90050	8L	01	33	01	
16380A		CONNECTION GUIDE MAN CHANGE	JUN82 OCT83	16380-90000 16380-90000	DEC83	16380-90050	8L	01	33	01	
16380B		OPER NOTE	JUL84	16380-90100	NOV84	16380-90150	8L	01	33	01	
16380C		OPER NOTE	JAN85	16380-90200	APR85	16380-90250	8L	01	33	01	
16389A		OPER NOTE	FEB85	16389-90000	MAY85	16389-90050	8L	01	33	01	
16389B		OPER NOTE	FEB85	16389-90100	MAY85	16389-90150	8L	01	33	01	
1640A		PRELIM SERV MAN CONVERSION INST SERV MAN SERV NOTE SET BELOW 1640A-1-S 1640A-2 1640A-3 1640A-4B 1640A-5 1640A-6 1640A-7 1640A-8A 1640A-9 1640A-10 1640A-11 1640A-12 1640A-13 1640A-14	APR78 JAN80 OCT81	01640-90901 01640-90908 01640-90911	JUL80 JUL81 JUL83 JUL84	01640-90801* 01640-90808 01640-90811	8L	01	08	02	USE 1640A/B FICHE 01640-90811 1640A TO 1640B
1640B		OPER GUIDE	APR80	01640-90905	SEP80	01640-90805	8L	01	38	02	

11/08/85 MODEL NUMBER	O C	LIT
180A/AR		180A/AR- C05-180A- 180A/AR- 180A/AR- 180A/AR- 180A/AR- 180A/AR- 180A/AR- 180A/AR- 180A/AR- 180A/F-1.
180C		OPER & S OPER & S MAN CHANG
180C/D		SERV NOT 180C/D-1 180C/D-2 180C/D-3 180C/D-4 CONT'D 180C-5
180D		OPER & S OPER & S MAN CHANG
180ER		OPER & S MAN CHANG
180F		OPER & S MAN CHANG
180K		OPER & S MAN CHANG
180T/TR		OPER & S OPER & S MAN CHANG SERV NOT 180T/TR- 180T/TR-
180T/TR-003		OPER & S MAN CHANG
180T/TR-580		OPER & S MAN CHANG
18002A		OPER & S
18003A		OPER & S
1801A		OPER & S

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*** DESCRIPTION ***											
1640B		SERV MAN SERV MAN MAN CHANGE SERV MAN SERV NOTE SET BELOW 1640B-1 1640B-2 1640B-3 1640B-4	MAY80 APR81 JUL81 OCT81	01640-90906 01640-90910 01640-90910 01640-90911	SEP80 DEC81 JUL83 OCT83	01640-90806* 01640-90810	8L	01	08	02	USE 1640B FICHE 01640-90810
1640B-001		INSTALL & SERV MAN OPER GUIDE	JAN83 MAR83	10281-90904 10281-90905	JUN83 SEP83	10281-90804	8L	01	38	01	

11/08/85 MODEL NUMBER	O C	LIT
1801A		MAN CHANG OPER & SE MAN CHANG OPER & SE SERV NOTE 1801A-1B 1801A-2 1801A-3 1801A-4 1801A-5 1801A-6B
1801F		OPER & S

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MODEL
NUMBERO
CLITERATURE
TYPEH/C
DATEH/C PART
NUMBERFICHE
DATEFICHE PART
NUMBERM P D P
L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1640B	SERV MAN SERV MAN MAN CHANGE SERV MAN SERV NOTE SET BELOW 1640B-1 1640B-2 1640B-3 1640B-4	MAY80 APR81 JUL81 OCT81 JUL80 OCT80 NOV81 JUL83	01640-90906 01640-90910 01640-90910 01640-90911 WN SER 2019A00294 & BELOW.MOD TO PREVENT LATCH UP ON + OR - 12V SUPPLIES WO SER 2028A & BELOW.REC MOD TO CRC OR SDLC OPTS TO IMPROVE PERF WA SER 2044A (SHIPPED 01JUN-01AUG81)POSS DEFECTIVE MATRIX PANEL SHORTING PINS WO SER 2231A & BELOW.REC REPL MARTRIX BD ASSY	SEP80 DEC81 JUL83 OCT83	01640-90806* 01640-90810 01640-90811	8L 01 08 02 8L 01 38 03 8L 01 38 03 OCT83	USE 1640B FICHE 01640-90810
1640B-001	INSTALL & SERV MAN OPER GUIDE	JAN83 MAR83	10281-90904 10281-90905	JUN83 SEP83	10281-90804 10281-90805	8L 01 38 01 8L 01 D2 01	
1640B/10290B	INSTALL & SERV MAN MAN CHANGE	OCT80 FEB81	10290-90901 10290-90901	JUL81	10290-90801	8L 01 38 01	SEE TITLE PAGE FOR OPTIONS
1645A	OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 1645A-1 1645A-2 1645A-3 1645A-4 1645A-5 1645A-6 1645A-7 1645A-8 1645A-9	OCT76 MAR83 JUL75 JUL75 OCT75 MAR76 SEP76 MAR77 APR77 AUG82 AUG83	01645-90905 01645-90016 WO ALL SER PREF REPL FOR TTL NAND GATES 1820-0583 WN SER 1506A + DOWN.MOD TO ADD POWER CONNECTOR FOR 10235A NEW CIRCUIT BOARD 01645-06517 PROVIDES A TRANSMIT DATA INHIBIT CIRCUIT WN ALL SER.MOD FOR OPER WITH H31-5150A THERMAL PRINTER WN SER BELOW 1537A.I/O BRD GUIDE KIT WO ALL SER.PREF REPL FOR TTL DECD CNTR WA ALL SER.INVERTED CLOCK PHASE WA ALL SER.RESISTORS INCORREC LOADED ON 10388A INTERFACE WN ALL SER.MOD TO ADAPT 10388A INTERFACE TO V.35 MODEMS OTHER THAN BELL TYPE 306	DEC76 OCT83 JAN84	01645-90805* 01645-90017	8L 01 D2 03 8L 01 38 03	USE 1645A FICHE 01645-90017
166A	OPER & SERV MAN MAN CHANGE MAN SUPP OPER & SERV MAN MAN CHANGE	JAN62 FEB65 JAN00 MAR62 OCT66	160B-900 160B-900 160B-900 170A-900 170A-900	NOV75	160B-800	8L 01 08 03	
166A-H02	OPER & SERV MAN MAN CHANGE MAN SUPP OPER & SERV MAN MAN CHANGE	JAN62 FEB65 JAN00 MAR62 OCT66	160B-900 160B-900 160B-900 170A-900 170A-900	NOV75	160B-800	8L 01 08 03	
166B	OPER & SERV MAN MAN CHANGE	AUG61 AUG63	166B-900 166B-900	JUL80	166B-800	8L 01 08 01	
166B-H02	OPER & SERV MAN MAN CHANGE	AUG61 AUG63	166B-900 166B-900	JUL80	166B-800	8L 01 08 01	
166C	OPER & SERV MAN SERV NOTE SET BELOW 166C-1A	MAR63 DEC65	166C-901	APR81 MAY78	5951-6286	8L 01 08 01	
166D	OPER & SERV MAN MAN REVISED PAGES MAN CHANGE MAN CHANGE BACKDATE	MAR62 SEP63 AUG64 AUG64	166D-901 166D-901 166D-901 166D-901	FEB78	166D-801	8L 01 08 02	

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1801A	MAN CHANGE OPER & SER MAN CHANGE OPER & SER SERV NOTE 1801A-1B 1801A-2 1801A-3 1801A-4 1801A-5 1801A-6B
1801F	OPER & SER MAN CHANGE
18016A	OPER NOTE
1802A	OPER & SER SERV NOTE 1802A-1
18020A	OPER & SER
18021A	OPER & SER
18023A	OPER NOTE
18024A	OPER NOTE
1803A	OPER & SER MAN CHANGE SERV NOTE 1803A-1
1804A	OPER & SER OPER & SER MAN CHANGE SERV NOTE 1804A-1 1804A-2
18043A	OPER NOTE MAN CHANGE SERV NOTE 18043A-1-S
18044A	OPER NOTE
18044B	OPER NOTE
1805A	OPER & SER OPER & SER MAN CHANGE SERV NOTE 1805A-1

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

166D-H02	OPER & SERV MAN MAN REVISED PAGES MAN CHANGE MAN CHANGE BACKDATE	MAR62 SEP63 AUG64 AUG64	166D-901 166D-901 166D-901 166D-901	FEB78	166D-801	8L 01 08 02	
166E	OPER & SERV MAN MAN CHANGE	JUN64 SEP65	166E-901 166E-901	JUL31	5951-6288	8L 01 08 02	
166F	OPER & SERV MAN MAN CHANGE	DEC65 MAY68	170B-901 170B-901	MAR71	170B-801	01 08 05	
170A	OPER INSTRUCT OPER & SERV MAN	APR63 MAR62	5950-1664 170A-900	SEP82 MAY76	5950-1927 5951-6282	8L 01 21 01 8L 01 08 03	

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1805A	1805A-2
1805A-003	OPER & SERV OPER & SERV
18053A	OPER NOTE
1806A	OPER & SERV MAN CHANGE
1807A	OPER & SERV MAN CHANGE
1808A	OPER & SERV

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

166D-H02	OPER & SERV MAN MAN REVISED PAGES MAN CHANGE MAN CHANGE BACKDATE	MAR62 SEP63 AUG64 AUG64	166D-901 166D-901 166D-901 166D-901	FEB78	166D-801	8L 01 08 02	
166E	OPER & SERV MAN MAN CHANGE	JUN64 SEP65	166E-901 166E-901	JUL31	5951-6288	8L 01 08 02	
166F	OPER & SERV MAN MAN CHANGE	DEC65 MAY68	170B-901 170B-901	MAR71	170B-801	01 08 05	
170A	OPER INSTRUCT OPER & SERV MAN MAN CHANGE	APR63 MAR62 OCT66	5950-1664 170A-900 170A-900	SEP82 MAY76	5950-1927 5951-6282	8L 01 21 01 8L 01 08 03	
170A-H02	OPER & SERV MAN MAN CHANGE	MAR62 OCT66	170A-900 170A-900	MAY76	5951-6282	8L 01 08 03	
170A/B	SERV NOTE SET BELOW 170A-2A CONTD	JUN71	WN 170A ALL SER/170B SER BELOW 423.MOD TO INSTAL DUAL DELAY LINE REPL FOR MATCHED SINGLE DELAY LINES	OCT78			
170B/BR	OPER & SERV MAN MAN CHANGE	DEC65 MAY68	170B-901 170B-901	MAR71	170B-801	01 08 05	
1700 SERIES	OPER & SERV MAN OPER & SERV MAN	JUN77 AUG81	5955-2755 5957-2287	SEP77 OCT81	5955-2756 * 5957-2288	8L 01 08 01 8L 01 08 01	USE 1700 SERIES OPT 034/035 F 5957-2288 OPTION 034/035
1700A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1700A-1A 1700A-2 1700A-3 1700A-4A 1700A-5 1700A-6 1700A-7	JAN71 OCT71	01700-90901 01700-90901	JAN72	01700-90801	01 08 04	
		SEP72 MAR71 JUN71 SEP72 DEC72 JUL76 APR77	WA SER BELOW 1046A.MOD TO IMPR LO TEMP TURN-ON + HI FREQ AUTO TRIGGERING WO SER BELOW 1102A.MOD TO STOP SWEEP TIME SWITCHES FROM DRAGING OR HANGING UP WO SER BELOW 1119A00310.EXCESS BATT CHRG WO SER BELOW 1141A.LEAKY LINE RECT A2Z1 WN MOD FOR SELECTABLE TRIGGERING WO ALL SER.PREF REPL OF AC PWR MODULE WN ALL SER.HANDLE REPLACEMENT KIT	MAY78			
1700A-008	OPER NOTE MAN CHANGE	FEB71 JUN71	01700-90902 01700-90902	MAR79	01700-90802	8L 01 08 01	
1700A-009	OPER NOTE	FEB71	01701-90906	MAR79	01701-90806	8L 01 08 01	
1700A-020	OPER NOTE MAN CHANGE	MAR71 JUN71	01700-90903 01700-90903	MAR79	01700-90803	8L 01 08 01	
1700B	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1700B-1 1700B-2 1700B-3	SEP73 JAN75	01700-90910 01700-90910	JUN75	01700-90810	01 08 04	
		JUN74 JUL76 APR77	WN SER BELOW 1225A.IMPR LO FREQ TRIG WO ALL SER.PREF REPL OF AC PWR MODULE WN HANDLE REPLACEMENT KIT	MAY78			

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1805A	1805A-2
1805A-003	OPER & SERV OPER & SERV
18053A	OPER NOTE
1806A	OPER & SERV MAN CHANGE
1807A	OPER & SERV MAN CHANGE
1808A	OPER & SERV MAN CHANGE
18080A	OPER NOTE
18081A	OPER NOTE
18082A	OPER NOTE
1809A	OPER & SERV MAN CHANGE
181A/AR	OPER & SERV OPER & SERV MAN CHANGE SERV NOTE SET 181A-1 5451C-2A 181A/AR-3 181A/AR-4 181A/AR-5 181A/AR-6 181A/AR-7 181A/AR-8 181A/AR-9 181A/AR-10 CONT'D 181A-11 181A/AR-12
181T/TR	OPER & SERV OPER & SERV MAN CHANGE SERV NOTE SET 181T/TR-1 181T/TR-2 CONT'D 181T/TR-3 CONT'D 181T-4
181T/TR-003	OPER & SERV

17008-300

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 DESCRIPTION ***
 0027
 0026

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER *** DESCRIPTION ***	FICHE DATE *** DESCRIPTION ***	FICHE PART NUMBER *** DESCRIPTION ***	M L	P T	D V	P G	PAGE 76	
17008-300		OPER & SERV MAN MAN CHANGE	MAR73 JAN75	01700-90907 01700-90907	MAY83 01700-90807		8L	01	08	03		
17002A		OPER & SERV MAN	JUN65	17002-91334	APR81 17002-91384		8L	01	11	01		
17004A		OPER & SERV MAN	JUN65	17004-91346	NOV79 17004-91396		8L	01	11	01		
17005A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17005A-1 17005A-2 17005A-3	FEB72 OCT76	17005-90002 17005-90002	NOV77 17005-90052	MAY78 NOV70 WA SER BELOW 1048A.REC REPL FOR CAP C503 JAN72 WO SER 835 TO 1116A.MOD TO IMPR INCREMENTAL ADVANCE FEB72 WN OPER WITH POINT PLOTTING SYSTEM	8L	01	11	02		
17007A		OPER & SERV MAN MAN CHANGE	MAR66 NOV66	17007-91352 17007-91352	APR81 17007-91402		8L	01	11	01		
17007AM		OPER & SERV MAN MAN CHANGE	MAR66 NOV66	17007-91352 17007-91352	APR81 17007-91402		8L	01	11	01		
17008A		OPER & SERV MAN MAN CHANGE D	FEB65 MAY67	17008-91338 17008-91338	MAY75 17008-90058			01	11	01		
1701A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1701A-1A 1701A-2 1701A-3 1701A-4A 1701A-5 1701A-6 1701A-7	FEB72 MAR72	01701-90910 01701-90910	MAY72 01701-90810	MAY78 SEP72 WA SER BELOW 0983A.MOD TO IMPR LO TEMP TURN-ON + HI FREQ AUTO TRIGGERING MAR71 WO SER BELOW 1102A.MOD TO STOP SWEEP TIME SWITCHES FROM DRAGGING OR HANGING UP JUN71 WO SER BELOW 1119A00555.EXCESS BATT CHRGR SEP72 WO SER BELOW 1204A.LEAKY LINE RECT A221 DEC72 WN SER 1117A + UP.MOD FOR SELECT TRIGGER JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE APR77 WN ALL SER.HANDLE REPLACEMENT KIT			01	08	04	
1701A-005		OPER NOTE	FEB71	01701-90903	MAR79 01701-90803		8L	01	08	01		
1701A-006		OPER NOTE	FEB71	01701-90904	MAR79 01701-90804		8L	01	08	01		
1701A-008		OPER NOTE	FEB71	01701-90905	MAR79 01701-90805		8L	01	08	01		
1701A-009		OPER NOTE	FEB71	01701-90906	MAR79 01701-90806		8L	01	08	01		
1701A-015		OPER NOTE	APR71	01701-90907	MAR79 01701-90807		8L	01	08	01		
1701A-016		OPER NOTE	APR71	01701-90909	OCT84 01701-90809		8L	01	08	01		
1701A-020		OPER NOTE MAN CHANGE	APR71 FEB72	01701-90908 01701-90908	OCT84 01701-90808		8L	01	08	01		
1701B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1701B-1 1701B-2	JUN72 AUG73	01701-90911 01701-90911	OCT80 01701-90811	OCT78 JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE APR77 WN HANDLE REPLACEMENT KIT	8L	01	08	03		

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181T/TR
1810A
18100A
1811A
18136A
1815A/B
1815A/B
1815A/B
1816A
1818A
182A
182A-SO
182A/C
182C

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1701A-G09	OPER NOTE	FEB71 01701-90906	MAR79 01701-90806	8L 01 08 01
1701A-015	OPER NOTE	APR71 01701-90907	MAR79 01701-90807	8L 01 08 01
1701A-016	OPER NOTE	APR71 01701-90909	OCT84 01701-90809	8L 01 08 01
1701A-020	OPER NOTE MAN CHANGE	APR71 01701-90908 FEB72 01701-90908	OCT84 01701-90808	8L 01 08 01
1701B	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1701B-1 1701B-2	JUN72 01701-90911 AUG73 01701-90911 JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE APR77 WN HANDLE REPLACEMENT KIT	OCT80 01701-90811	8L 01 08 03

182A-807

182A/C

182C

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DESCRIPTION ***

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*** DESCRIPTION ***											
1702A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1702A-1 1702A-2 1702A-3 1702A-4	FEB74 01702-90904 MAY75 01702-90904		JAN83 01702-90804		8L	01	08	04	
OCT78 SEP72 WO SER BELOW 1230.REP SENSITIVITY TO CRT CHARGED PARTICLES JUL76 WO ALL SER.PREF REPL OF AC PWR SWITCH APR77 WN HANDLE REPLACEMENT KIT JUL77 WN SER 1232A & BELOW.MOD KIT 5061-0862 FOR IMPROVED CRTS											
1703A		OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 1703A-1 1703A-2 1703A-3 1703A-4A 1703A-5A 1703A-6 1703A-7 1703A-8	AUG75 01703-90907 MAY76 01703-90908		OCT75 01703-90807* JUL83 01703-90808		8L	01	08	04	USE 1703A FICHE 01703-90808
OCT78 SEP72 WO SER BELOW 1230.RED SENSITIVITY TO CRT CHARGED PARTICLES NOV72 WO SER BELOW 1150A00160.WIRING ERR ON HV MULTIPLIER FEB74 WN SER BELOW 1232A.IMPR LO FREQ TRIGGER JUL76 WO SER BELOW 1331A.BROWN-OUT + TRANSIENT LVPS MOD JUL76 WO ALL SER.IMPR SINGLE SWEEP RESET OPER JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE APR77 WN HANDLE REPLACEMENT KIT JUL77 WN SER 1232A & BELOW.MOD KIT 5061-0862 FOR IMPROVED CRTS											
1706A		OPER & SERV MAN SERV NOTE SET BELOW 1706A-1A 1706A/B-1 1706A-2	SEP71 01706-90901		NOV71 01706-90801		01	08	04		
OCT78 SEP72 WO SER BELOW 1137A.LEAKY LINE RECT A2Z1 APR77 WN ALL SER.HANDLE REPLACEMENT KIT JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE											
1706B		OPER & SERV MAN SERV NOTE SET BELOW 1706B-1 1706A/B-1	JAN73 01706-90905		MAY75 01706-90805		01	08	03		
MAY78 JUL76 WO ALL SER.PREF REPL OF AC PWR MODULE APR77 WN ALL SER.HANDLE REPLACEMENT KIT											
1707A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1707A-1 1707A-2A 1707A-3 1707A-4 1707A-5	APR71 01707-90901 MAR72 01707-90901		JUN72 01707-90801		01	08	04		
MAY78 JUN71 WO SER BELOW 1117A00145.EXCESS BATT CRGE SEP72 WO SER BELOW 1209A.LEAKY LINE RECT A2Z1. DEC72 WN MOD FOR SELECTABLE TRIGGERING JUL76 WO PREF REPL OF AC PWR MODULE APR77 WN ALL SER.HANDLE REPLACEMENT KIT											
1707A-H60		OPER & SERV MAN MAN CHANGE	JAN73 01707-90914 MAR74 01707-90914		AUG81 01707-90814		8L	01	08	03	
1707A-005		OPER NOTE	JUN71 01707-90904		MAR79 01707-90804		8L	01	08	01	
1707A-008		OPER NOTE	JUL71 01707-90907		MAR79 01707-90807		8L	01	08	01	
1707A-009		OPER NOTE MAN CHANGE	APR71 01707-90902 JUN71 01707-90902		MAR79 01707-90802		8L	01	08	01	
1707A-016		OPER NOTE	MAY71 01707-90905		JUL80 01707-90805		8L	01	08	01	
1707A-020		OPER NOTE MAN CHANGE	APR71 01707-90903 FEB72 01707-90903		JUL80 01707-90803		8L	01	08	01	

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182C-007

182C-002

182C-003

182C-007

182C-010

182C-011

182C-013

182T

182T-003

1820A

1820B

1820C

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1707A-005	OPER NOTE MAN CHANGE	JUN71 01707-90904	MAR79 01707-90804	8L 01 08 01
1707A-008	OPER NOTE	JUL71 01707-90907	MAR79 01707-90807	8L 01 08 01
1707A-009	OPER NOTE MAN CHANGE	APR71 01707-90902 JUN71 01707-90902	MAR79 01707-90802	8L 01 08 01
1707A-016	OPER NOTE	MAY71 01707-90905	JUL80 01707-90805	8L 01 08 01
1707A-020	OPER NOTE MAN CHANGE	APR71 01707-90903 FEB72 01707-90903	JUL80 01707-90803	8L 01 08 01

1820B

1820C

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1707B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1707B-1A 1707B-2 1707B-3A 1707B-4 1707B-5 1707B-6B	APR74 01707-90916 APR75 01707-90916		JUN75 01707-90816		8L	01	08	04	
					JAN79						
			JUL76	WO SER BELOW 1325A.BROWN OUT + TRANSIENT LVPS MODIFICATION							
			FEB74	WN SER BELOW 1234A.IMPR LO FREQ TRIGGER							
			JUL76	WO ALL SER.IMPR SINGLE SWEEP RESET OPER							
			MAY74	WN ALL SER.MOD FROM SYNC TO FREE-RUNNING CHOP MODE							
			JUL76	WO ALL SER PREF REPL OF AC PWR MODULE							
			MAY78	WN HANDLE REPLACEMENT KIT							
1707B-H60		OPER & SERV MAN TURN-ON PROC MAN CHANGE	AUG74 01707-90918 SEP74 01707-90918 MAY75 01707-90918		JUN80 01707-90816		8L	01	08	04	CONTROLS AND CONNECTORS
1707B-020		OPER NOTE OPER NOTE CHANGE	JUN72 01707-90911 AUG72 01707-90911		DEC72 01707-90811			01	06	01	
1707B-300		OPER & SERV MAN MAN CHANGE	APR73 01707-90912 SEP77 01707-90912		FEB85 01707-90812		8L	01	08	04	
17090A		USER'S MAN	JUN84 17090-90000		SEP84 17090-90050		8L	01	11	03	
1710A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1710A-1 1710A-2 1710A-3 1710A-4 1710A-5 1710A-6	APR73 01710-90903 AUG74 01710-90903		OCT84 01710-90803		8L	01	08	04	
					JAN79						
			NOV73	WN SER BELOW 1302A.VERT AMPLFR PROTECT MODIFICATION							
			JAN74	WO SER BELOW 1316A.CRT BURN PROTECT MOD							
			MAR74	WN ALL SER.MOD FROM SYNC TO FREE-RUNNING CHOP MODE							
			APR74	WN ALL SER.PROBE PWR MODIFICATIONS							
			DEC75	WO ALL SER.PREF REPL FOR A3C1							
			APR77	WN ALL SER.HANDLE REPLACEMENT KIT							
1710B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1710B-1 1710B-2 1710B-3 1710B-4 1710B-5 1710B-6 1710B-7 1710B-8 1710B-9 1710B-10 1710B-11 1710B-12 1710B-13A 1710B-14 CONT'D 1710B-15	MAR76 01710-90906 JUL76 01710-90906		SEP85 01710-90806		8L	01	08	04	
					APR79						
			JUL74	ALL SER.ATTENUATOR TERM RESIST REPL							
			MAR75	WO SER BELOW 1420A.INCR INTENSITY IN DELAYED SWEEP OPERATION							
			MAY75	WO SER BELOW 1515A00726.INCORRECT PWR SUPPLY VOLTAGES FOR ACTIVE PROBES							
			NOV75	WO ALL SER.REPL FOR ATTEN DETENT WHEEL							
			MAR76	WO SER BELOW 1545A.MOD TO STOP VERT TRACE OFFSET WHEN PWR IS INITIALLY APPLIED							
			MAR76	WO SER BELOW 1545A.MOD TO INCR SYNC BAL + 5 MV/DIV GAIN ADJ RANGE							
			FEB76	WO SER BELOW 1545A01200.NO MAIN SWP AT 10 NSEC/DIV WHEN SWP VERNIER ROTATE OUT DETENT							
			FEB76	WO SER BELOW 1545A.PREF REPL FOR SWP TIMG CAPACITOR							
			MAR76	WO SER BELOW 1602A01235.MOD TO CORRECT INTERMITTENT MAIN SWEEP AUTO BASELINE							
			MAR76	WO SER BELOW 1515A.MOD TO STOP HV ARCING							
			MAR76	WO SER BELOW 1632A01235.MOD TO STOP HV ARCING							
			MAR76	WO SER BELOW 1602A01235.PREF REPL PRTS IN +53V SUPPLY							
			APR77	WO REC RESIST REPL TO IMPR FOCUS							
			APR76	WO SER BELOW 1545A.MOD TO INCR PROBE PWR SUFFICIENTLY TO OPER TWO 1120A ACTIVE PROBES AT ONCE							
			DEC78	WN ALL SER.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.							
17106A		SERV NOTE SET BELOW 17106A-1/17107A-1	MAY66	CALIB PROC AND PARTS LIST							

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1821A

1821A/E/F

1822A

1824A

1825A

183A

183A/B/C

183B

183C

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		

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1710B-9 MAR76 WO SER BELOW 1602A01235.MOD TO CORRECT INTERMITTENT MAIN SWEEP AUTO BASELINE
 1710B-10 MAR76 WO SER BELOW 1515A.MOD TO STOP HV ARCING
 1710B-11 MAR76 WO SER BELOW 1632A01235.MOD TO STOP HV ARCING
 1710B-12 MAR76 WO SER BELOW 1602A01235.PREF REPL PRTS IN +53V SUPPLY
 1710B-13A APR77 WO REC RESIST REPL TO IMPR FOCUS
 1710B-14 APR76 WO SER BELOW 1545A.MOD TO INCR PROBE PWR SUFFICIENTLY TO OPER TWO 1120A ACTIVE PROBES
 CONT'D AT ONCE
 1710B-15 DEC78 WN ALL SER.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.

17106A

SERV NOTE SET BELOW MAY78
 17106A-1/17107A-1 MAY66 CALIB PROC AND PARTS LIST

183B

183C

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

17107A SERV NOTE SET BELOW MAY78
 17106A-1/17107A-1 MAY66 CALIB PROC AND PARTS LIST

17108A OPER & SERV MAN MAR67 17108-90001 JUL82 17108-90051 8L 01 11 01
 MAN CHANGE MAY82 17108-90001

17108AM OPER & SERV MAN MAR67 17108-90001 JUL82 17108-90051 8L 01 11 01
 MAN CHANGE MAY82 17108-90001

1712A OPER & SERV MAN JAN75 01712-90901 JAN75 01712-90801* 01 08 04 USE 1712A FICHE 01712-90802
 OPER & SERV MAN MAY76 01712-90902 AUG83 01712-90802 8L 01 08 03
 MAN CHANGE APR77 01712-90902
 SERV NOTE SET BELOW APR79
 1712A-1 MAR75 WO SER BELOW 1542A.INCR INTENSITY IN DELAYED SWEEP OPERATION
 1712A-2 NOV75 ALL SER.REPL ATTEN TERM RESISTORS
 1712A-3 NOV75 WO ALL SER.REPL FOR ATTEN DETENT WHEEL
 1712A-4 MAR76 WO SER BELOW.MOD TO STOP VERT TRACE OFFSET WHEN PWR IS INITIALLY APPLIED
 1712A-5 FEB76 WO SER BELOW 1548A00307.MOD TO INCR SYNC BAL + 5MV/DIV GAIN ADJ RANGE
 1712A-6 FEB76 WO SER BELOW 1548A00307.NO MAIN SWP AT 10 NSEC/DIV WHEN SWP VERNIER ROTATE OUT DETENT
 1712A-7 FEB76 WO SER BELOW 1535.PREF REPL FOR SWP TIMG CAP
 1712A-8 MAR76 WO SER BELOW 1548A00307.MOD TO CORRECT INTERMITTENT MAIN SWEEP AUTO BASELINE
 1712A-9 MAR76 WO SER BELOW 1511A.MOD TO STOP HV ARCING
 1712A-10 MAR76 WO SER BELOW 1548A00307.MOD TO STOP HV ARCING
 1712A-11 MAR76 WO SER BELOW 1548A00307.PREF REPL PRTS IN +53V SUPPLY
 1712A-12 APR77 WO ALL SER.REC RESIST REPL TO IMPR FOCUS
 1712A-13 APR76 WO SER BELOW 1535A.MOD TO UP PROBE PWR TO OPER TWO 1120A ACTIVE PROBES SIMULTANEOUSLY
 1712A-14 DEC78 WN ALL SER.MOD TO PREVENT INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.

1715A OPER & SERV MAN MAY77 01715-90901 JUN79 01715-90801* 8L 01 08 03 USE 1715A FICHE 01715-90803
 OPERATORS GUIDE MAY77 01715-90902 JUL77 01715-90802 8L 01 08 01
 OPER & SERV MAN JUL80 01715-90903 AUG84 01715-90803 8L 01 08 04 INCLUDES OPT 034/035
 MAN CHANGE JUN84 01715-90903
 OPER NOTE JUL81 5957-2256 OCT81 5957-2257 * 8L 01 08 01 USE 10029A FICHE 5957-3219
 SERV NOTE SET BELOW OCT81
 1715A-1-S OCT77 WA SAFETY.OPT 034 ALL SER.ELIM POT SAFETY HAZARD
 1715A-2 AUG78 WO SER 1820A01025 & BELOW.REC REPL PARTS TO IMPROVE REL OF ANALOG ASSY A18.
 1715A-3 DEC78 WN SER 1728A & BELOW.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.
 1715A-4 MAR79 WO ALL SER.REC MOD TO ELIM VERT OSCS
 1715A-5 NOV79 WN SER 1823A & BELOW.MOD TO IMPROVE VERT OUTPUT AMP (A5U2) RELIABILITY
 1715A-6 SEP80 WO ALL SER.REC ATTEN DETENT WHEEL REPL IN THE EVENT OF FAILURE
 1715A-7 JUL81 WO SER 2047A & BELOW.INSTRUCT FOR REPL PLASTIC T-PACK XSISTORS A1A1Q3 & A2A1Q3 IN VERT
 CONT'D ATTEN BDS

1715A-005 OPER NOTE OCT81 5957-3220 NOV81 5957-3221 * 8L 01 08 01 USE 1715A-005 FICHE 01715-90805
 OPER NOTE AUG83 01715-90905 DEC83 01715-90805 8L 01 08 01

17170A OPER & SERV MAN DEC68 17170-90001 JUN70 17170-90051* 01 11 01 USE 17170A FICHE 17170-90052
 OPER & SERV MAN SEP71 17170-90002 OCT83 17170-90052 8L 01 11 01

17171A OPER & SERV MAN APR72 17171-90001 APR82 17171-90051 8L 01 11 01
 MAN CHANGE FEB82 17171-90001

17172A OPER & SERV MAN DEC71 17172-90001 NOV77 17172-90051 8L 01 11 01
 MAN CHANGE FEB73 17172-90001
 SERV NOTE SET BELOW MAY78

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MODEL
NUMBER

183D

183D-020

1830A

1831A

1831A-001

1831A/B

1831B

1834A

1835A

184A

184A-003

184A-005

184A-580

184A/B

184B

184B-003

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

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MODEL
NUMBER

17170A	OPER & SERV MAN OPER & SERV MAN	DEC68 17170-90001 SEP71 17170-90002	AUG83 01715-90905 DEC83 01715-90805	JUN70 17170-90051* OCT83 17170-90052	01 11 01 8L 01 11 01	USE 17170A FICHE 17170-90052
17171A	OPER & SERV MAN MAN CHANGE	APR72 17171-90001 FEB82 17171-90001		APR82 17171-90051	8L 01 11 01	
17172A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	DEC71 17172-90001 FEB73 17172-90001		NOV77 17172-90051	8L 01 11 01	

184B

184B-003

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 80
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
17172A		17172A-1	MAY71	WN SER BELOW	924.MOD TO ELIM NOISY SWEEP						
17173A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17173A-1 17173A-2 17173A-3	JUL70 SEP76	17173-90001 17173-90001	NOV77	17173-90051	8L	01	11	01	
					MAY78						
			DEC70	WA SER 1011A.MOD TO CORRECT DEFECT IN PRINTED CIR BOARD OF OUTPUT CARD							
			FEB71	WA SER 1011A.MOD TO ELIM OUTPT BOARD FAILURES							
			APR72	WA SER 1011A & 1121A.FUSE VALUE CHANGE							
17174A		OPER & SERV MAN	SEP68	17174-90001	JUN70	17174-90051		01	11	01	
17175A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17175A-1	OCT72 MAY80	17175-90001 17175-90001	AUG80	17175-90051	8L	01	11	01	
					MAY78						
			FEB72	WO SER 318.MOD TO DECR TEMP DRIFT							
17176A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17176A-1	AUG69 JUL75	17176-90000 17176-90000	NOV77	17176-90050	8L	01	11	01	
					MAY78						
			APR72	WA SER 1011A & 1043A.FUSE VALUE CHANGE							
17177A		OPER & SERV MAN MAN CHANGE	JUN70 OCT77	17177-90000 17177-90000	OCT77	17177-90050	8L	01	11	01	
17178A		OPER & SERV MAN OPER & SERV MAN	DEC68 SEP71	17170-90001 17170-90002	JUN70 OCT83	17170-90051* 17170-90052		01	11	01	USE 17170A FICHE 17170-90052
1720A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1720A-1 1720A-2 1720A-3 1720A-4 1720A-5 1720A-6 1720A-7 1720A-8 1720A-9 1720A-10 1720A-11 1720A-12 1720A-13 1720A-14 1720A-15 1720A-16A 1720A-17 1720A-18	JUN74 OCT76 SEP76	01720-90902 01720-90903 01720-90903	JUN75 MAR83	01720-90802* 01720-90803		01	08	05	USE 1720A FICHE 01720-90803
					APR79						
			JUL74	ALL SER.ATTEN TERM RESIST REPLACEMENT							
			AUG74	WN ALL SER.MOD KIT FOR PROBE PWR JACKS							
			AUG74	WN SER BELOW 1425A0350.IMPR CONTRAST RATIO FOR MAIN INTENSIFIED SWEEP							
			SEP74	WO SER BELOW 1405A00200.CHOP MODE SWEEP BASELINE IRREGULARITIES							
			MAR75	WO SER BELOW 1425A.UP INTENSITY IN DELAYED SWEEP OPERATION							
			MAY75	WO SER BELOW 1425A00410.INCORRECT PWR SUPPLY VOLTAGES FOR ACTIVE PROBES							
			NOV75	WO ALL SER.REPL FOR ATTEN DETENT WHEEL							
			MAR76	WO SER BELOW 1542A.MOD TO STOP VERT TRACE OFFSET WHEN POWER IS INITALLY APPLIED							
			MAR76	WO SER BELOW 1550A00496.MOD TO UP SYNC BALANCE ADJUSTMENT RANGE							
			FEB76	WO SER BELOW 1550A00496.NO MAIN SWP AT 10 NSEC/DIV WHEN SWP VERMIER ROTATE OUT DETENT							
			FEB76	WO SER BELOW 1542A.PREF REPL FOR SWP TIMG CAPACITORS							
			MAR76	WO SER BELOW 154							
			MAR76	WO SER BELOW 1425A.MOD TO STOP HV ARCING							
			MAR76	WO SER BELOW 1602A00521.MOD TO STOP HV ARCING							
			MAR76	WO SER BELOW 1602A00521.PREF REPL PRTS IN THE +53V SUPPLY							
			APR77	WO ALL SER.REC RESIST REPL TO IMPR FOCUS							
			APR76	WO SER BELOW 1542A.MOD TO UP PROBE PWR TO OPER TWO 1120A ACTIVE PROBES SIMULTANEOUSLY							
			DEC78	WN ALL SER.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.							
1720AF		OPER & SERV MAN MAN CHANGE	MAR77 JUL77	01720-90905 01720-90905	NOV84	01720-90805	8L	01	08	03	
1722A		OPER & SERV MAN OPER & SERV MAN	SEP76 JUN77	01722-90905 01722-90907	DEC76 SEP77	01722-90805* 01722-90807	8L	01	08	04	USE 1722A FICHE 01722-90807

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MODEL
NUMBER

184B-005

184B-580

1840A

1841A

185A

185A/B

185B

186A

18641A

18642A

18643A

18644A

187A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1722A		SERV NOTE SET BELOW			JAN80						

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NUMBER

187A

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1720A-16A
1720A-17
1720A-18

1720AF OPER & SERV MAN
MAN CHANGE

1722A OPER & SERV MAN
OPER & SERV MAN

MAR75 WO SER BELOW 1002A00521.PREF REPL PRTS IN THE +53V SUPPLY
APR77 WO ALL SER.REC RESIST REPL TO IMPR FOCUS
APR76 WO SER BELOW 1542A.MOD TO UP PROBE PWR TO OPER TWO 1120A ACTIVE PROBES SIMULTANEOUSLY
DEC78 WN ALL SER.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.

MAR77 01720-90905 NOV84 01720-90805 8L 01 08 03
JUL77 01720-90905

SEP76 01722-90905 DEC76 01722-90805* 8L 01 08 04 USE 1722A FICHE 01722-90807
JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

18641A
18642A
18643A
18644A
187A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1722A SERV NOTE SET BELOW JAN80
1722A-1 MAR75 WO SER BELOW 1507A.UP INTENSITY IN DELAYED SWEEP OPERATION
1722A-2 MAY75 WO SER BELOW 1508A00421.INCORRECT PWR SUPPLY VOLTAGES FOR ACTIVE PROBES
1722A-3 SEP75 WO SER BELOW 1429A.REPL FOR CHANNEL "A" POSITION CONTROL
1722A-4A AUG79 WN ALL SER.NEW EXTENDER BOARD KIT.
1722A-5 NOV75 ALL SER.REPL ATTEN TERM RESIST.
1722A-6A AUG79 WO ALL SCR.REPL ATTEN DETENT WHEEL
1722A-7 JAN76 WN ALL SER.DIG BRD INTERCHANGEIBILITY
1722A-8 MAR76 WO SER BELOW 1531A.MOD TO STOP VERT TRACE OFFSET WHEN PWR IS INITIALLY APPLIED
1722A-9 MAR76 WO SER BELOW 1522A00880.MOD TO UP SYNC BALANCE ADJUSTMENT RANGE
1722A-10 FEB76 WO SER BELOW 1552A00880.NO MAIN SWP AT 10 NSEC/DIV WHEN SWP VERNIER ROTATE OUT DETENT
1722A-11 FEB76 WO SER BELOW 1544A.PREF REPL FOR SWEEP TIMING CAPACITORS
1722A-12 MAR76 WO SER BELOW 1552A00880.MOD TO CORRECT INTERMITTENT MAIN SWEEP AUTO BASELINE
1722A-13 MAR76 WO SER BELOW 1515A.MOD TO STOP HV ARCING
1722A-14 MAR76 WO SER BELOW 1552A00915.MOD TO STOP HV ARCING
1722A-15 MAR76 WO SER BELOW 1552A00915.PREF REPL PRTS IN +53V SUPPLY
1722A-16A APR77 WO ALL SER.REC RESIST REPL TO IMPR FOCUS
1722A-17 APR76 WO SER BELOW 1544A.MOD TO UP PROBE PWR TO OPER TWO 1120A ACTIVE PROBES SIMULTANEOUSLY
1722A-18 DEC78 WN ALL SER.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.

1722A-001 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-003 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-011 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-091 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-092 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-093 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-095 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-096 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722A-101 OPER & SERV MAN JUN77 01722-90907 SEP77 01722-90807 8L 01 08 04

1722B OPER & SERV MAN SEP77 01722-90908 JUN84 01722-90808 8L 01 08 04 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE APR84 01722-90908
SERV NOTE SET BELOW OCT81
1722B-1 DEC78 WN SER 1737A & BELOW.MOD TO ELIM INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.
1722B-2 NOV79 WN SER 1823A & BELOW.MOD TO IMPROVE VERT OUTPUT AMP (A5U2) RELIABILITY
1722B-3 JAN81 WO SER 2034A01155 & BELOW.COMP CHANGE TO PREVENT MISTRIGGERING AT ECL LOGIC SPEEDS
CONT'D (100 MHZ)
1722B-4 JUL81 WO SER 2047A & BELOW.INSTRUCT FOR REPL PLASTIC T-PACK XSISTORS A1A1Q3 & A2A1Q3 IN VERT
CONT'D ATTEN BDS

1725A OPERATORS GUIDE MAY77 01715-90902 JUL77 01715-90802 8L 01 08 01
OPER & SERV MAN AUG77 01725-90901 JUN79 01725-90801* 8L 01 08 03 USE 1725A FICHE 01725-90802
MAN CHANGE JUN80 01725-90902 FEB85 01725-90802 8L 01 08 04 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE OCT84 01725-90902
OPER NOTE JUL81 5957-2256 OCT81 5957-2257 * 8L 01 08 01 USE 10029A FICHE 5957-3219
SERV NOTE SET BELOW OCT81
1725A-1-S OCT77 WA SAFETY.OPT 034 ALL SER.ELIM POT SAFETY HAZARD

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187A

187A/B

187B

187C

190A

1900

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1725A 1725A-2 AUG78 WO SER 1823A00800 & BELOW.REC REPL PARTS FOR REL OF ANALOG ASSY A18.
1725A-3 DEC78 WN SER 1720A & BELOW.MOD TO PREVENT INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.
1725A-4 NOV79 WN SER 1823A & BELOW MOD TO IMPROVE VERT OUTPUT AMP (A5U2) RELIABILITY

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1900

1725A OPERATORS GUIDE MAY77 01715-90902 JUL77 01715-90802 8L 01 08 01
 OPER & SERV MAN AUG77 01725-90901 JUN79 01725-90801* 8L 01 08 03 USE 1725A FICHE 01725-90802
 MAN CHANGE JUN80 01725-90902 FEB85 01725-90802 8L 01 08 04 SEE TITLE PAGE FOR OPTIONS COVERED
 MAN CHANGE OCT84 01725-90902
 OPER NOTE JUL81 5957-2256 OCT81 5957-2257 * 8L 01 08 01 USE 10029A FICHE 5957-3219
 SERV NOTE SET BELOW OCT81
 1725A-1-S OCT77 WA SAFETY.OPT 034 ALL SER.ELIM POT SAFETY HAZARD

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 82
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1725A 1725A-2 AUG78 WO SER 1823A00800 & BELOW.REC REPL PARTS FOR REL OF ANALOG ASSY A18.
 1725A-3 DEC78 WN SER 1720A & BELOW.MOD TO PREVENT INTERMITTENT AUTO BASELINE AT SLOW SWEEPS.
 1725A-4 NOV79 WN SER 1823A & BELOW.MOD TO IMPROVE VERT OUTPUT AMP (ASU2) RELIABILITY
 1725A-5 MAY80 WN ALL SER.MOD KIT FOR PROBE POWER JACKS
 1725A-6 OCT80 WO ALL SER.REC ATTEN DETENT WHEEL REPL IN THE EVENT OF FAILURE
 1725A-7 JAN81 WO SER 2047A03560 & BELOW.COMP CHANGE TO PREVENT MISTRIGGERING AT ECL LOGIC SPEEDS
 CONT'D (100 MHZ)
 1725A-8 JUL81 WO SER 2047A & BELOW.INSTRUCT FOR REPL PLASTIC T-PACK XSISTORS A1A1Q3 & A2A1Q3 IN VERT
 CONT'D ATTEN BDS

1725A-H08 MOD SHEET OCT83 01725-90903 DEC83 01725-90803 8L 01 08 01
 1725A-H14 MOD SHEET OCT83 01725-90904 DEC83 01725-90804 8L 01 08 01
 1725A-005 OPER NOTE OCT81 5957-3220 NOV81 5957-3221 * 8L 01 08 01 USE 1725A-005 FICHE 01715-90805
 OPER NOTE AUG83 01715-90905 DEC83 01715-90805 8L 01 08 01
 17251A OPER NOTE FEB77 17251-90002 JUL84 17251-90052 8L 01 11 01
 17252A OPER NOTE FEB77 17251-90002 JUL84 17251-90052 8L 01 11 01
 17253A OPER NOTE FEB77 17251-90002 JUL84 17251-90052 8L 01 11 01
 1726A OPER GUIDE JUN83 01726-90902 AUG83 01726-90802 8L 01 08 01
 1727A OPER GUIDE JUL83 01727-90902 OCT83 01727-90802 8L 01 08 01
 OPER & SERV MAN NOV81 01727-90903 OCT85 01727-90803 8L 01 08 04
 MAN CHANGE JAN85 01727-90903
 SERV NOTE SET BELOW OCT85
 1727A-1 MAY81 WO SER 2137A00450 & BELOW.MOD TO PREV CRT MOVEMENT
 1727A-2 APR83 WN ALL SER.MOD TO IMPR PUL RESP & BANDWDTH
 1727A-3 MAY85 WA SER 2452A01225 & BELOW.POT PWR XFMR FAILURE DUE TO CAP SHORTING

1740A OPER & SERV MAN AUG76 01740-90909 NOV83 01740-90809 8L 01 08 03
 MAN CHANGE GMBH JUL79 01740-90909
 MAN CHANGE OCT83 01740-90909
 MOD SHEET AUG80 5955-8031 NOV80 5955-8060 8L 01 08 01
 SERV NOTE SET BELOW OCT84
 1740A-1 - NOT AVAILABLE
 1740A-2 NOV75 WN ALL SER.CARE OF PREAMP INTEGRATED CIR
 1740A-3B JUL78 WN ALL SER.MOD FOR CONVERTING STD 1740A TO OPT 101
 1740A-4 NOV75 WO SER BELOW 1526A.MIXED SWEEP OSCIL
 1740A-5A MAR78 WO SER BELOW 1533A.PROC TO FIX VERT AMPLFR BAL & GAIN IF VERT PREAMP 1C, A3A1 IS REPL
 1740A-6A JAN77 WO SER 1541A & UP.PROC TO FIX VERT AMPLFR BAL & GAIN IF VERT PREAMP 1C, A3A1 IS REPL
 1740A-7 APR76 WO ALL SER.PROC TO IMPR LO VERT GAIN
 1740A-8A MAR78 WO ALL SER.COMPON SELECTION TO REMEDY PULSE RESPONSE OF RISE TIME PROBLEMS
 1740A-9 APR76 WO SER BELOW 1551A00724.REV TO ELIM VERT GAIN PROB IN CHANNEL B ONLY
 1740A-10A MAR78 WO ALL SER PREF REPL FOR A16CR4 RECT.
 1740A-11B MAY77 WO SER 1616A-01725 & BELOW.MOD TO PREVENT SHORT SWEEP
 1740A-12A MAR78 WO SER BELOW 1616A-01925.MOD TO IMPR REL OF +120V PWR SUPPLY
 1740A-13 JUL77 WO ALL SER.MOD TO PREVENT VERTICAL OSCILLATIONS DURING TURN ON
 1740A-14 NOV77 WO SER BELOW 1729A.MOD TO ELIM INTERMITTENT VERT OR HORIZ JITTER
 1740A-15A APR78 WO ALL SER.PREF REPL FOR INPUT FETS
 1740A-16 SEP80 WN ALL SER.MOD TO IMPROVE CONNECTOR MATING REL BETWEEN A3 VERT PREAMP & A5 VERT OUTPUT
 CONTD PC BOARDS

11/08/85 MODEL NUMBER O C

1900

1900A

1901A

1905A

1905A-001

1905A-005

1906A

1906A-001

1908A

1908A-001

1908A-005

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1909A-001

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1910A

1915A

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1740A 1740A-17 JAN82 WO SER 2026A17230 & BELOW;PREF REPL FOR A9R5 RESIST IN THE DELAYED SWEEP INTEGRATOR
 1740A-18 JAN82 WO SER 2026A12642 TO 2026A16282.REPL CAP IN THE +120V PWR SUPPLY
 1740-19-S MAR82 WA ALL SER.POSS SAFETY HAZ ON MULTI INPUTS ON 1740A WITH OPT 034,035,C09,&H17
 1740A-20A JAN83 WO SER AS FOLLOWS:"A"SER 2226A & BELOW-"G" & "I" ALL SER TO CORREC LOW BANDWIDTH & SLOW

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1915A-001

1740A-12A
1740A-13
1740A-14
1740A-15A
1740A-16
CONTD

MAR78 WO SER BELOW 1616A-01925.MOD TO IMPR REL OF +120V PWR SUPPLY
JAN77 WO ALL SER.MOD TO PREVENT VERTICAL OSCILLATIONS DURING TURN ON
NOV77 WO SER BELOW 1729A.MOD TO ELIM INTERMITTENT VERT OR HORIZ JITTER
APR78 WO ALL SER.PREF REPL FOR INPUT FETS
SEP80 WN ALL SER.MOD TO IMPROVE CONNECTOR MATING REL BETWEEN A3 VERT PREAMP & A5 VERT OUTPUT PC BOARDS

1910A
1915A

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1740A 1740A-17 JAN82 WO SER 2026A17230 & BELOW;PREF REPL FOR A9R5 RESIST IN THE DELAYED SWEEP INTEGRATOR
1740A-18 JAN82 WO SER 2026A12642 TO 2026A16282.REPL CAP IN THE +120V PWR SUPPLY
1740-19-S MAR82 WA ALL SER.POSS SAFETY HAZ ON MULTI INPUTS ON 1740A WITH OPT 034,035,C09,&H17
1740A-20A JAN83 WO SER AS FOLLOWS:"A"SER 2226A 3 BELOW:"G"&"J"ALL SER.TO CORREC LOW BANDWDTH & SLOW
CONT'D RISETIME
1740A-21 JUN84 WN SER 2026A & BELOW AND 17516 & BELOW.MOD TO ELIM HORZ JITTER INTENSITY FILICKER & PWR
CONT'D SUPLY CONN DISCOLORING

1740A-005 OPER NOTE SEP78 5955-5008 JAN79 5955-5009 * 8L 01 08 01 USE 1740A-005 FICHE 5955-6284
OPER NOTE FEB80 5955-6283 APR80 5955-6284 8L 01 08 01

1740AF MOD SHEET JUL83 01740-90914 DEC83 01740-90814 8L 01 08 01

1740B SERV NOTE SET BELOW APR82

17400A OPER & SERV MAN AUG72 17400-90000 OCT79 17400-90050 8L 01 11 01
MAN CHANGE AUG79 17400-90000

17401A OPER & SERV MAN APR79 17401-90001 DEC81 17401-90051 8L 01 11 01
MAN CHANGE OCT81 17401-90001

17402A OPER & SERV MAN DEC76 17402-90001 FEB77 17402-90051 8L 01 11 01

17403A OPER & SERV MAN AUG74 17403-90000 NOV77 17403-90050 8L 01 11 02
MAN CHANGE JUN77 17403-90000

17404A OPER & SERV MAN OCT81 17404-90000 DEC81 17404-90050 8L 01 11 01

1741A OPER & SERV MAN JAN77 01741-90905 JAN78 01741-90805* 8L 01 08 03 USE 1741A FICHE 01741-90811
OPER & SERV MAN FEB78 01741-90911 FEB80 01741-90811* 8L 01 08 03 USE 1741A FICHE 01741-90815
OPER & SERV MAN APR80 01741-90915 JUN80 01741-90815* 8L 01 08 03 USE FICHE 01741-90819
OPER GUIDE APR82 01741-90918 JUN82 01741-90818 8L 01 08 01
OPER & SERV MAN MAY82 01741-90919 JUL85 01741-90819 8L 01 08 03 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE MAY85 01741-90919
MOD SHEET AUG80 5955-8031 NOV80 5955-8060 8L 01 08 01
SERV NOTE SET BELOW OCT84

1741A-1A MAR78 WO SER BELOW 1624A00550.PREF REPL FOR A15R15 + A15R16 FOCUS RESISTORS
1741A-2 DEC76 WO ALL SER.RESIST SELECT TO BAL ATTEN
1741A-3A APR82 WN ALL SER.MOD INSTRUC FOR STATE DISPLAY OPT 101 KIT,P/N 01741-69501
1741A-4 JUL77 WO ALL SER.MOD TO PREVENT OSCILLATIONS DURING TURN-ON
1741A-5 NOV77 WO SER BELOW 1704A.MOD TO ELIM INTERMITTENT VERT OR HORIZ JITTER
1741A-6 NOV77 WO ALL SER.PREF REPL FOR INPUT FETS
1741A-7 DEC77 WO SER BELOW 1739A.CRT REPL & WIRING CHG
1741A-8 MAR79 WN SER 1812A & BELOW.REC REPL KIT TO REDUCE BLOOMING
1741A-9 OCT79 WN ALL SER.LOW VOLT PWR SUPPLY X-REF OF INTERCHANGEABLE P C ASSYS
1741A-10 JAN82 WO SER 2017A08125 & BELOW;PREF REPL FOR A9R5 RESIST IN THE DELAYED SWEEP INTEGRATOR
1741A-11 JAN82 WA SER 2017A05096 TO 2017A07535.MOD TO REDUCE LOW VOLTAGE XFMR
1741A-12-S MAR82 WA ALL SER.POSS SAFETY HAZ ON MULTI INPUTS ON 1741A WITH OPT 034,035,H34,&H35
1741A-13A JAN83 WO SER AS FOLLOWS:"A"SER 2017A & BELOW:"G"&"J"ALL SER.TO CORREC LOW BANDWDTH & SLOW
CONT'D RISETIME
1741A-14 JUN84 WN SER 2017A & BELOW AND 2002G & BELOW.MOD TO ELIM HORZ JITTER INTENSITY FILICKER & PWR
CONT'D SUPLY CONN DISCOLORING

1741A-002 OPER NOTE APR79 01741-90913 MAY79 01741-90813 8L 01 08 01

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1915A-001

1915A-005

1916A

1917A

1917A-001

1917A-005

1920A

1920A-001

1921A

1921A-001

1922A

1922A-001

1925A

1927A

1928A

193A

1930A

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1741A-003 OPER NOTE MAY79 01741-90914 JUL79 01741-90814 8L 01 08 01

1741A-005 OPER NOTE SEP78 5955-5008 JAN79 5955-5009 * 8L 01 08 01 USE 1741A-005 FICHE 5955-6284
OPER NOTE FEB80 5955-6283 APR80 5955-6284 8L 01 08 01

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1934A

105A

1741A-14 CONT'D	JUN84 WN SER 2017A & BELOW AND 2002G & BELOW.MOD TO ELIM HORZ JITTER INTENSITY FLICKER & PWR SUPPLY CONN DISCOLORING	RISETIME
1741A-002 OPER NOTE	APR79 01741-90913	MAY79 01741-90813 8L 01 08 01

1930A	OP MA
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 84
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1741A-003		OPER NOTE	MAY79	01741-90914	JUL79	01741-90814	8L	01	08	01	
1741A-005		OPER NOTE OPER NOTE	SEP78 FEB80	5955-5008 5955-6283	JAN79 APR80	5955-5009 5955-6284	* 8L	01	08	01	USE 1741A-005 FICHE 5955-6284
1741A-101		OPER & SERV MAN OPER & SERV MAN	APR80 MAY82	01741-90915 01741-90919	JUN80 SEP82	01741-90815* 01741-90819	8L	01	08	03	USE FICHE 01741-90819
1742A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1740A-3B 1742A-1A 1742A-2 1742A-37 1742A-4 1742A-5A 1742A-6 CONT'D	MAR78 JUL78 FEB83	01742-90901 01742-90903 01742-90903	MAY78 MAY83	01742-90801* 01742-90803	8L	01	08	03	USE 1742A FICHE 01742-90803 INCL. OPT 001,090,101/2,580,900/1/2/6
1742A/005		OPER NOTE	OCT80	01742-90905	FEB81	01742-90805	8L	01	08	01	
1743A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE OPERATOR'S GUIDE SERV NOTE SET BELOW 1740A-3B 1743A-1 1743A-2 1743A-3 1743A-4 1743A-5 1743A-6A 1743A-7 CONT'D	DEC77 MAY78 JUN83 MAR80	01743-90902 01743-90905 01743-90905 01743-90906	APR78 AUG83	01743-90802* 01743-90805	8L	01	08	03	USE 1743A FICHE 01743-90805
1744		1744A-7	JUL82	WO ALL SER.TO CORREC LOW BANDWDTH & SLOW							
1744A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1744A-1 1744A-2 1744A-3 1744A-4 CONT'D 1744A-5-S 1744A-6 1744A-7A 1744A-8 CONT'D	AUG78 DEC79 FEB83	01744-90901 01744-90903 01744-90903	AUG79 MAY83	01744-90801* 01744-90803	8L	01	08	03	USE 1744A FICHE 01744-90803
			OCT84								
			SEP79	WN SER 1915A & BELOW.MOD TO REDUCE "WRITE-THROUGH"&DEFOCUSING							
			FEB81	WO SER 2014A & BELOW.MOD THAT IMPROVES CRT REL							
			JAN82	WO SER 2109A02038 & BELOW.PREF REPL FOR A9R5 RESIST IN THE DELAYED SWEEP INTEGRATOR							
			JAN82	WO SER 2019A01149 TO 2019A01199;2014A01200 TO 2014A01448;2052A01449 TO 2052A0548;2109A01549 TO 2109A01948.MOD TO REDUCE LOWVOLTAGE PWR XFMR FAILURE							
			MAR82	WA ALL SER.POSS SAFETY HAZ ON MULTI INPUTS ON 1744A WITH OPT 034,035,H04,&H06							
			JUN82	WO ALL SER.PREF REPL FOR A16CR3 BRIDGE RECTIFIER							
			JAN83	WO SER 2109A & BELOW.CORREC LOW BANDWDTH & SLOW RISETIME							
			JUN84	WN SER 2109A & BELOW.MOD TO ELIM HORZ JITTER INSTENSITY FLICKER & PWR SUPPLY CONN DISCOLORING							

11/08/85 MODEL NUMBER	O C	
1934A	OPI MAI	
195A	OPI SEI 19	
1950A	PR OPI MAI SEI 19	
196A	SEI 19 19 19 19	
196A/B	OPI MAI OPI MAI	
1965A	OPI MAI USE SEI 19 19	
197A	OPI	
197A-001	OPI MAI	
197A-008	OPI	
197A/198A	SEI 19 19 19 19 19	
197B	PR OP	
197B-001	PR	

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 85
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1745A		OPER & SERV MAN MAN CHANGE OPER GUIDE SERV NOTE SET BELOW 1745A-1	SEP82 MAR83 DEC82	01745-90901 01745-90901 01745-90902	JUN83	01745-90801	8L	01	08	03	
			FEB82	01745-90802	FEB82	01745-90802	8L	01	08	01	
			JAN83	WO SER 2248A & BELOW.CORREC LOW BANDWDTH & SLOW RISETIME	APR83						

11/08/85 MODEL NUMBER	O C	
197B-001	OPI	
197B-002	PR OPI	
197B-003	PR	

17501A OPER & SERV MAN MAR77 17501-90002
MAN CHANGE MAY78 17501-90002

JUL78 17501-90052 8L 01 11 01

19810A OPER

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
17501A		SERV NOTE SET BELOW 17501A-1/17503A-1 17501A-2A/17503A-2A 17501A-3	DEC66 JUN81 NOV68	SER BELOW 647 WN SER BELOW 717 WA SER BELOW 828	OCT81 REC CHOPPER REPL .MOD TO PERMIT OPER WITH 7100B & 7128A ELECTRIC WRITING RECORDERS .MOD TO IMPROVE RELIABILITY & POWER RATING OF THE CHOPPER CIRCUIT						
17502A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17502A-1 17502A-2 17502A-3-S	DEC67 SEP76 NOV68 JUN71 APR76	17502-90000 17502-90000 WA SER BELOW 828 WN SER BELOW 908 WA SAFETY.SER BELOW 2320	OCT81 MOD TO IMPROVE RELIABILITY & POWER RATING OF THE CHOPPER CIRCUIT MOD FOR OPER WITH 17505A OR 17506A ELIMINATION OF POTENTIAL SHOCK HAZARD	JAN79	17502-90050	8L	01	11	01
17503A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17501A-1/17503A-1 17501A-2A/17503A-2A 17503A-3	DEC67 AUG77 DEC66 JUN81 NOV68	17503-90000 17503-90000 SER BELOW 647 WN SER BELOW 717 WA SER BELOW 834	OCT77 OCT81 REC CHOPPER REPLACEMENT MOD TO PERMIT OPERATION WITH 7100B/7128A ELECTRIC WRITING RECORDERS MOD TO INCREASE RELIABILITY & POWER RATING OF CHOPPER CIRCUIT		17503-90050	8L	01	11	01
17504A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 17504A-1	SEP68 MAY72 NOV68	17504-90001 17504-90001 WA SER BELOW 00381	OCT81 MOD TO INCREASE RELIABILITY & POWER RATING OF CHOPPER CIRCUIT	APR85	17504-90051	8L	01	11	02
17505A		OPER & SERV MAN MAN CHANGE	APR79 SEP79	17505-90000 17505-90000	MAR80	17505-90050	8L	01	11	02	
17506A		OPER & SERV MAN MAN CHANGE	APR79 SEP79	17505-90000 17505-90000	MAR80	17505-90050	8L	01	11	02	
1751A		OPER & SERV MAN SERV NOTE SET BELOW 1751A-1	FEB64 JUL64	01751-99002 SER BELOW 427	AUG77 MAY78 01751-99802	8L	01	08	01		
1752A		OPER & SERV MAN MAN CHANGE	JUN62 DEC63	1752A-900 1752A-900	SEP72	1752A-800	01	08	01		
1752B		OPER & SERV MAN SERV NOTE SET BELOW 1752B-1 1752B-2	OCT65 OCT65 OCT65	01752-90903 SER BELOW 516 ALL SER.MOD TO IMPR DC STABILITY	JAN78 MAY78 MOD TO ELIMINATE OSCILLATIONS IN NORMAL MODE MOD TO IMPR DC STABILITY	8L	01	08	01		
1754A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1754A-1 1754A-2 1754A-3A 1754A-4	JUN64 OCT67 - - DEC65 JAN66	01754-99002 01754-99002 NOT AVAILABLE NOT AVAILABLE SER BELOW 442 SER BELOW 550	FEB71 MAY78 MOD TO INCREASE TRIGGERING RELIABILITY MOD IMPR DC STAB OF TRIGGER OUT AMPLIFIER	01	08	02			
1755A		OPER & SERV MAN SERV NOTE SET BELOW 1755A-1	OCT67 MAR66	01755-90904 IMPR B TRIGGER OUT DC STABILITY	MAY75 MAY78	01755-90804	01	08	02		
17550A		OPER & SERV MAN	DEC66	05700-90000	NOV74	05700-90050	01	11	02		

11/08/85 MODEL NUMBER O C

19811A	OPER
19860A	OPER MAN C
2D	OPER
2D-2	OPER
2D-2A	OPER
2D-3	OPER
2D/2FA	SERV M011- M011- 2D/2D- 2F/2F- 2FA-1 105 107 116 117 118 119 125 126 127 131 137
2DR	OPER
2D4/2DRA	OPER
2FA/2FRA	OPER OPER MAN C
2FAM/2FRAM	OPER
2FR	OPER OPER MAN C
2S	OPER
20-A	INSTR
200A	OPER
200A/B	SERV 200AB- 200AB- 200AB-

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17551A		OPER & SERV MAN	DEC66	05700-90000	NOV74	05700-90050	01	11	02		
17552A		OPER & SERV MAN	DEC66	05700-90000	NOV74	05700-90050	01	11	02		
17553A		OPER & SERV MAN	DEC66	05700-90000	NOV74	05700-90050	01	11	02		
17554A		OPER & SERV MAN	DEC66	05700-90000	NOV74	05700-90050	01	11	02		

11/08/85 MODEL NUMBER O C

200B	OPER & SERV N 200B-1
200C	OPER &
200CD	OPER & OPER &

17550A

OPER & SERV MAN

DEC66 05700-90000

NOV74 05700-90050

01 11 02

200AB-
200AB-11/08/85
MODEL
NUMBERO
CLITERATURE
TYPEH/C
DATEH/C PART
NUMBERFICHE
DATEFICHE PART
NUMBERM P D P
L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

17551A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17552A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17553A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17554A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17555A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17556A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17557A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17558A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17559A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17560A	OPER & SERV MAN	DEC66 05700-90000	NOV74 05700-90050	01 11 02				
17580A	USER'S GUIDE INSTALL GUIDE	MAR81 17580-90000 MAY81 17580-90001	MAY81 17580-90050* JUN81 17580-90051*	8L 01 11 01 8L 01 11 01	USE 17580A FICHE 17580-90052 USE 17580A FICHE 17580-90053			
17603A	SERV NOTE SET BELOW 17603A-1	NOV81 WO SER 2134A & BELOW	APR82 ROM REPL OF U29 & U30					
17604A	SERV NOTE SET BELOW 17604A-1	MAR82 WN SER 2139A	JUL82 REC U29 EPROM FIRMWARE CHANGE TO IMPR PERF					
1780A	OPER NOTE	SEP65 1780A-900	APR70 1780A-800	01 08 01				
1781B	OPER & SERV MAN	OCT65 1781B-902	OCT70 01781-802	01 08 02				
1782A	OPER & SERV MAN SERV NOTE SET BELOW 1782A-1	FEB64 1782A-901 MAY64 SER BELOW 413-00476	AUG77 1782A-801 MAY78 IMPR EXT SCAN RATE + RANGE OF EXT HORIZONTAL LEVEL ADJ	8L 01 08 01				
1783A	OPER & SERV MAN	DEC65 1783A-901	AUG77 1783A-801	8L 01 08 01				
1784A	OPER & SERV MAN	DEC67 01784-90902	NOV75 01784-90802	8L 01 08 02				
17950A	OPER & SERV MAN	MAY68 17950-90000	OCT80 17950-90050	8L 01 11 01				
180A-H03	OPER & SERV MAN MOD OPER & SERV MAN MOD	JUN68 00180-90923 JAN00 00180-90924	FEB81 00180-90823 APR81 00180-90824	8L 01 08 01 8L 01 08 04	SER PFX 967- OR BELOW SER PFX 975- AND HIGHER			
180A/AR	OPER & SERV MAN MAN CHANGE MAN CHANGE UK OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 180A-1 180A/AR-3A	MAY69 00180-90911 MAY70 00180-90911 AUG70 00180-90911 APR70 00180-90914 MAY72 00180-90914	DEC84 00180-90811 APR84 JUN67 WN SER BELOW 721-IMPR SIDE COVER RED VERTICAL TRACE DRIFT DUE TO AMBIENT AIR CIR MAR70 WO SER BELOW 822-04194.MOD FOR INCR HV ADJ RANGE + PREV HV OSC'L DOUBLE MODING	8L 01 08 02				

11/08/85
MODEL
NUMBERO
C

200B

OPER &
SERV NO
200B-1E

200C

OPER &

200CD

OPER &
OPER &
SERV NO
200CD-1
200CD-2
200CD-3
200CD-4
200CD-5
200CD-6
200CD-7
200CD-8
200CD-9

200D

OPER &

200H

OPER &
MAN CHA

200I

SERV NO
200I-1

200J

OPER &

200T

OPER &
MAN CHA

201B

SERV NO
201B-1

201C

OPER &
MAN CHA
SERV NO
201C-1

202A

SERV NO
202A-6E

202D

OPER &
MAN CHA
INSTRUC
INSTRUC
INSTRUC
INSTRUC
OPER &
SERV NO
202D-2A11/08/85
MODEL
NUMBERO
CLITERATURE
TYPEH/C
DATEH/C PART
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DATEFICHE PART
NUMBERM P D P
L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

180A/AR	180A/AR-4 C05-180A-5 180A/AR-U-6U 180A/AR-6A 180A/AR-7 180A/AR-8 180A/AR-9 180A/AR-10 180A/AR-11 180A/AR-12 180A/F-13	APR69 WA SER BELOW 822.REC REPL FOR R204 AUG69 WO PREF REPL FOR SER REG TRANSISTORS APR70 WO SER BELOW 0939.PREF REPL FOR R126 + R310 APR70 WO ALL SER.PREF REPL FOR R126 + R310 SEP69 WO PREF REPL FOR Q104 + ADD OF R122 IN GATE AMPLIFIER MAR70 WO GATE AMPLF RELIABILITY MODIFICATIONS JUN72 WO ALL SER PREF REPL OF R305 NOV72 WN ALL SER.PROC INSTALL OPT 807,REAR-PANEL CONNECTIONS MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY JAN80 WN ALL SER.PROC TO REUSE OLD LIGHT MASK WHEN REPL A CRT NOV83 WN ALL SER.DFC NEW CARRYING HANDLE					
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11/08/85
MODEL
NUMBERO
C

202E

OPER INS

202H

OPER &
MAN CHA
SERV NO
202H-1A
202H-2
202H-3
202H-4
202H-5

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180A/AR 180A/AR-4 APR69 WA SER BELOW 822.REC REPL FOR R204
 C05-180A-5 AUG69 WO PREF REPL FOR SER REG TRANSISTORS
 180A/AR-U-6U APR70 WO SER BELOW 0939.PREF REPL FOR R126 + R310
 180A/AR-6A APR70 WO ALL SER.PREF REPL FOR R126 + R310
 180A/AR-7 SEP69 WO PREF REPL FOR Q104 + ADD OF R122 IN GATE AMPLIFIER
 180A/AR-8 MAR70 WO GATE AMPLF RELIABILITY MODIFICATIONS
 180A/AR-9 JUN72 WO ALL SER PREF REPL OF R305
 180A/AR-10 NOV72 WN ALL SER.PROC INSTALL OPT 807,REAR-PANEL CONNECTIONS
 180A/AR-11 MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY
 180A/AR-12 JAN80 WN ALL SER.PROC TO REUSE OLD LIGHT MASK WHEN REPL A CRT
 180A/F-13 NOV83 WN ALL SER.REC NEW CARRYING HANDLE

180C OPER & SERV MAN SEP71 00180-90915 MAY74 00180-90815* 01 08 03 USE 180C FICHE 00180-90835
 OPER & SERV MAN AUG76 00180-90935 MAR84 00180-90835 8L 01 08 03 SEE TITILE PAGE FOR OPTIONS COVERED
 MAN CHANGE JAN84 00180-90935

180C/D SERV NOTE SET BELOW APR84
 180C/D-1 NOV71 WO 180C SER 1125A00140 + BELOW.180D SER 1125A00115 + BELOW.IMPR ALTERNATE OPERATION
 180C/D-2 NOV72 WN ALL SER.INSTALL REAR PANEL CONN OPTION 807
 180C/D-3 MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY
 180C/D-4 DEC79 WN 180C:SER 1935A02765 1/2 BELOW.180D:SER 1921A03710 & BELOW.PROC TO REUSE OLD LIGHT MASK
 CONT'D WHEN REPL CRT
 180C-5 NOV83 WN SER 1935A.REC NEW C/RRYING HANDLE

180D OPER & SERV MAN SEP71 00180-90915 MAY74 00180-90815* 01 08 03 USE 180D FICHE 00180-90835
 OPER & SERV MAN AUG76 00180-90935 MAR84 00180-90835 8L 01 08 03 SEE TITILE PAGE FOR OPTIONS COVERED
 MAN CHANGE JAN84 00180-90935

180ER OPER & SERV MAN MAR70 00180-90913 OCT81 00180-90813 8L 01 08 02
 MAN CHANGE AUG81 00180-90913

180F OPER & SERV MAN NOV69 00180-90910 NOV83 00180-90810 8L 01 08 02
 MAN CHANGE AUG83 00180-90910

180K OPER & SERV MAN MAR70 00180-90912 APR71 00180-90812 01 08 02
 MAN CHANGE MAR71 00180-90912

180T/TR OPER & SERV MAN FEB75 00180-90931 APR75 00180-90831* 01 08 03 USE 180T/TR FICHE 00180-90834
 OPER & SERV MAN AUG76 00180-90934 FEB85 00180-90834 8L 01 08 02
 MAN CHANGE OCT84 00180-90934
 SERV NOTE SET BELOW APR80
 180T/TR-1 MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY
 180T/TR-2 DEC79 WN SER 1944A01140 & BELOW.PROC TO REUSE OLD LIGHT MASK WHEN REPL CRT

180T/TR-003 OPER & SERV MAN AUG76 00180-90934 FEB85 00180-90834 8L 01 08 02
 MAN CHANGE OCT84 00180-90934

180T/TR-580 OPER & SERV MAN AUG76 00180-90934 FEB85 00180-90834 8L 01 08 02
 MAN CHANGE OCT84 00180-90934

18002A OPER & SERV MAN AUG83 18002-90007 OCT85 18002-90003 8L 01 38 01

18003A OPER & SERV MAN JUN70 18003-90004 OCT85 18003-90005 8L 01 38 01

1801A OPER & SERV MAN FEB68 01801-90903 SEP72 01801-90803 01 08 02 FOR SERIAL PFXES 716 & BELOW

11/08/85 MODEL NUMBER O C LIT T

202E OPER INS

202H OPER & S
 MAN CHAN
 SERV NOT
 202H-1A
 202H-2
 202H-3
 202H-4
 202H-5
 202H-6A/
 202H-7
 202H-8
 202H-9/2

202J SERV NOT
 202J-1
 202J-2A
 202J-3

203A OPER & S
 OPER & S
 OPER & S
 SERV NOT
 203A-1
 203A-2A
 203A-3A

203B OPER INS

204A OPER & S
 MAN CHAN
 MAN CHAN

204B SERV NOT
 204B-1D
 204B-2/2
 403B-2/
 3420B-

204C OPER & S
 MAN CHAN
 OPER & S
 OPER NOT
 INSTALL
 INSTALL
 SERV NOT
 204C-1
 204C-2
 204C/D-3
 CONT'D
 204C/D-4
 CONT'D

204C-H20 OPER & S

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

1801A MAN CHANGE MAY68 01801-90903 SEP72 01801-90803 01 08 02
 OPER & SERV MAN NOV68 01801-90905 FEB85 01801-90805 8L 01 08 02 FOR SERIAL PFXES 828 & ABOVE
 MAN CHANGE DEC69 01801-90905
 OPER & SERV MAN SEP76 01801-90916 DEC76 01801-90816 8L 01 08 02
 SERV NOTE SET BELOW MAY78
 1801A-1B JAN68 SER BELOW 714-01400.MOD IMPR SYNC AMPLIFIER LINEARITY
 1801A-2 APR67 SER 614-00400 & DOWN.MOD TO EQUALIZE TUP & -UP PULSE RESPONSE
 1801A-3 APR67 SER BELOW 644-.MOD FOR MORE PRECISE VERTICAL POSITION
 1801A-4 APR67 SER BELOW 715-.MOD TO INCREASE RESOLUTION OF CAL POTENTIOMETER
 1801A-5 MAY67 SER BELOW 644-.MOD TO PERMIT OPER WITH 1820A OR 1821A TIME BASES WITH SER 640 & UP
 1801A-6B SEP69 WA SER BELOW 828. MOD TO IMP TRIGGERING IN CHOP MODE

1801E OPER & SERV MAN FEB70 01801-90904 JUN82 01801-90804 8L 01 08 02

11/08/85 MODEL NUMBER O C LIT T

204C-H20 MAN CHAN
 OPER & S
 INSTALL M

204D OPER & S
 MAN CHAN
 OPER & S
 OPER NOT
 INSTALL M
 INSTALL M
 SERV NOT
 204D-1

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 89
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1801A		MAN CHANGE OPER & SERV MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW 1801A-1B 1801A-2 1801A-3 1801A-4 1801A-5 1801A-6B	MAY68 NOV68 DEC69 SEP76 JAN68 APR67 APR67 APR67 MAY67 SEP69	01801-90903 01801-90905 01801-90905 01801-90916	SEP72 FEB85 DEC76 MAY78	01801-90803 01801-90805 01801-90816	01 8L	08 01	02 02		FOR SERIAL PFXES 828 & ABOVE
1801F		OPER & SERV MAN MAN CHANGE	FEB70 APR82	01801-90906 01801-90906	JUN82	01801-90806	8L	01	08	02	
18016A		OPER NOTE	AUG77	18016-90001	NOV77	18016-90002	8L	01	38	01	
1802A		OPER & SERV MAN SERV NOTE SET BELOW 1802A-1	FEB71 OCT68	01802-90903	OCT84 MAY78	01802-90803	8L	01	08	02	
18020A		OPER & SERV MAN	MAR77	18020-90001	MAR77	18020-90002	8L	01	38	01	
18021A		OPER & SERV MAN	APR82	18021-90001	SEP84	18021-90002	8L	01	38	01	
18023A		OPER NOTE	AUG77	18016-90001	NOV77	18016-90002	8L	01	38	01	
18024A		OPER NOTE	AUG77	18016-90001	NOV77	18016-90002	8L	01	38	01	
1803A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1803A-1	APR72 MAY75 MAY83	01803-90904 01803-90904	APR85 OCT83	01803-90804	8L	01	08	02	
1804A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1804A-1 1804A-2	JUN71 JUL76 FEB80 DEC68	01804-90903 01804-90904 01804-90904	APR74 AUG83 MAY78	01804-90803* 01804-90804	01 8L	08 01	02 02		USE 1804A FICHE 01804-90804
18043A		OPER NOTE MAN CHANGE SERV NOTE SET BELOW 18043A-1-S	APR75 FEB77 MAR84	18043-90006 18043-90006	NOV77 APR85	18043-90007	8L	01	38	01	
18044A		OPER NOTE	APR70	18044-90000	SEP71	18044-90016	01	38	01		
18044B		OPER NOTE	APR70	18044-90000	SEP71	18044-90016	01	38	01		
1805A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1805A-1	DEC75 JUN76 JUN83 SEP72	01805-90902 01805-90903 01805-90903	JAN76 NOV83 JAN83	01805-90802* 01805-90803	8L	01	08	02	USE 1805A FICHE 01805-90903
											SEP72 W0 SER BELOW 1233A.REPL FOR A6U1 + A6U2

11/08/85 MODEL NUMBER	O C	LITER TY
204C-H20		MAN CHANGE OPER & SER INSTALL NO
204D		OPER & SER MAN CHANGE OPER & SER OPER NOTE INSTALL NO INSTALL NO SERV NOTE 204D-1 204D-2 204D-3 204C/D-3B CONT'D 204C/D-4 CONT'D
205A		OPER & SER
205A/AG		SERV NOTE 205A/AG-1B 205A/AG-2B 205A/AG-3 205AG-4 205AG-5
205AG		OPER & SER OPER & SER
205AH		INSTRUCT &
207A		OPER INSTR OPER & SER MAN CHANGE
207E		OPER & SER
207H		INST MAN MAN CHANGE SERV NOTE 207H-1
2070A		SERV NOTE 2070A-1
208A		OPER & SER MAN CHANGE
209A		OPER & SER MAN CHANGE OPER NOTE INSTALL NO SERV NOTE

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 90
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1805A		1805A-2	AUG82	WN SER 1409A & BELOW.PRE PREL FOR A9T1							
1805A-003		OPER & SERV MAN OPER & SERV MAN	DEC75 JUN76	01805-90902 01805-90903	JAN76 AUG83	01805-90802* 01805-90803	8L	01	08	02	USE 1805A-003 FICHE 01805-90803
18053A		OPER NOTE	JUN78	18053-90003	JAN79	18053-90004	8L	01	38	01	
1806A		OPER & SERV MAN MAN CHANGE	JAN71 MAR73	01806-90901 01806-90901	FEB85	01806-90801	8L	01	08	02	
1807A		OPER & SERV MAN MAN CHANGE	DEC71 JUL75	01807-90901 01807-90901	OCT84	01807-90801	8L	01	08	02	
1808A		OPER & SERV MAN	FEB73	01808-90902	OCT84	01808-90802	8L	01	08	02	

11/08/85 MODEL NUMBER	O C	LITER TY
209A		209A-1 209A-2 209A-3 209A-4 209A-5 209A-6 209A-7 209A-8
210A		OPER & SER SERV NOTE 210A-1A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 90
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
1805A		1805A-2	AUG82	WN SER 1409A & BELOW.	PRE PREL FOR A9T1						
1805A-003		OPER & SERV MAN OPER & SERV MAN	DEC75 JUN76	01805-90902 01805-90903	JAN76 AUG83	01805-90802* 01805-90803	8L	01	08	02	USE 1805A-003 FICHE 01805-90803
18053A		OPER NOTE	JUN78	18053-90003	JAN79	18053-90004	8L	01	38	01	
1806A		OPER & SERV MAN MAN CHANGE	JAN71 MAR73	01806-90901 01806-90901	FEB85	01806-90801	8L	01	08	02	
1807A		OPER & SERV MAN MAN CHANGE	DEC71 JUL75	01807-90901 01807-90901	OCT84	01807-90801	8L	01	08	02	
1808A		OPER & SERV MAN MAN CHANGE	FEB73 NOV75	01808-90902 01808-90902	OCT84	01808-90802	8L	01	08	02	
18080A		OPER NOTE	MAY74	18080-90001	SEP85	18080-90002	8L	01	38	01	
18081A		OPER NOTE	MAY74	18080-90001	SEP85	18080-90002	8L	01	38	01	
18082A		OPER NOTE	MAY74	18080-90001	SEP85	18080-90002	8L	01	38	01	
1809A		OPER & SERV MAN MAN CHANGE	JAN77 JUN83	01809-90903 01809-90903	AUG83	01809-90803	8L	01	08	02	
181A/AR		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 181A-1 5451C-2A 181A/AR-3 181A/AR-4 181A/AR-5 181A/AR-6 181A/AR-7 181A/AR-8 181A/AR-9 181A/AR-10 CONT'D 181A-11 181A/AR-12	JAN71 SEP76 MAR81	00181-90905 00181-90916 00181-90916	JAN74 MAY81	00181-90805* 00181-90816	01 8L	08 01	03 08	02	USE 181A/AR FICHE 00181-90816
			JUL85	PRECAUTIONS FOR REPLACEMENT OF STORAGE CRT							
			DEC82	WN SPECIAL BOTTOM COVER TO ELIM ELECTROMAGNETIC INTERERENCE							
			OCT68	WO SER BELOW 838.MOD TO PREV STORING IN NORMAL MODE							
			APR69	WA SER BELOW 840.REC REPL FOR A3R4							
			MAR70	WO SER BELOW 936-01826(181A) + 936-01926(181AR).GATE AMPLF REL MOD							
			MAR70	WO PREF REPL FOR A1R20							
			SEP72	WO ALL SER.PREF REPL FOR A1R50							
			NOV72	WN MOD TO INSTALL OPT 807 REAR-PANEL CONN.SUPER 180A/AR/C/D-1,181A/AR-7 + 182A-1							
			MAR79	WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY							
			APR81	WO 181A SERS 2045A & BELOW;181AR SERS 2043A & BELOW.PREF REPL V REF TUBE FOR ABV1/V2 IN + OR -100V SUPPLIES							
			NOV83	WN SER 2045A.REC NEW CARRYING HANDLE							
			FEB85	WA 181A:SER 1324A & BELOW;181AR:SER 1337A & BELOW.REC REPL FOR A6 PULSE BD ASSY							
181T/TR		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 181T/TR-1 181T/TR-2 CONT'D 181T/TR-3 CONT'D 181T-4	JAN75 MAY76 MAR81	00181-90913 00181-90915 00181-90915	MAY75 MAY81	00181-90813* 00181-90815	01 8L	08 01	03 08	02	USE 181T/TR FICHE 00181-90815
			APR84	WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY							
			DEC80	WN 181T SER PFX 2034A & BELOW.181TR SER PFX 2035A & BELOW.MOD TO PREVENT POTENTIAL INST DAMAGE DURING SERVICE							
			JAN81	WN 181T SER PFX 2034A & BELOW.181TR SER PFX 2035A & BELOW.PREF PNS FOR REPL VOLT REF TUBE IN + OR - 100V POWER SUPPLY							
			NOV83	WN SER 2035A.REC NEW CARRYING HANDLE							
181T/TR-003		OPER & SERV MAN	MAY76	00181-90915	MAY81	00181-90815	8L	01	08	02	

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
209A		209A-1 209A-2 209A-3 209A-4 209A-5 209A-6 209A-7 209A-8
210A		OPER & SERV I SERV NOTE SE 210A-1A
211A		OPER & SERV I MAN CHANGE INSTALL MAN MAN CHANGE SERV NOTE SE 211A-1 211A-2 211A-3 211A-4
211B		OPER & SERV I OPER & SERV I SERV NOTE SE 211B-1 211B-2 211B-3
212A		OPER & SERV I OPER & SERV I SERV NOTE SE 212A-1 212A-2A 212A-3A 212A-4 212A-5B 212A-6 212A-7B 212A-8 212A-9B
213A		OPER & SERV I OPER INSTRU SERV NOTE SE 213A-1A
213B		OPER & SERV I
214A		OPER & SERV I OPER & SERV I MAN CHANGE SERV NOTE SE 214A-1

181T/TRA-003

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 DESCRIPTION ***
 GING UP

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 91
			*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		
181T/TR-003		MAN CHANGE	MAR81	00181-90915	MAY81	00181-90815	8L	01	08	02	
1810A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1810A-1 1810A-2 1810A-3	AUG71 JUN75	01810-90901 01810-90901	DEC75	01810-90801	8L	01	08	03	
					MAY78						
			FEB74	WN 1810A SER 1246A.1811A SER BELOW 1245A.MARKER DOT INTENSITY MOD							
			DEC74	WO SER BELOW 1308A.RED MIN DELAY DRIFT							
			DEC74	WO SER BELOW 1308A.RED TRIG CIR LOCK-UP							
18100A		SERV MAN MAN CHANGE OPER NOTE	JUL72 JAN77 AUG72	18100-90011 18100-90011 18100-90013	NOV77	18100-90012	8L	01	38	01	
1811A		OPER & SERV MAN SERV NOTE SET BELOW 1811A-1 1811A-2	MAY76	01811-90902	MAY85 MAY78	01811-90802	8L	01	08	02	
				NOT AVAILABLE							
			DEC74	WO SER BELOW 1309A.RED TRIG CIR LOCK-UP							
18136A		OPER & SERV MAN	JUN83	18136-90001	SEP83	18136-90002	8L	01	38	01	
1815A/B		SERV NOTE SET BELOW 1815A/B-1B 1815A/B-2 CONT'D 1815A/B-3 1815A/B-4			OCT79						
			DEC74	WA SER BELOW 1241A.REQ MOD IMPR PERFORM							
			SEP70	WN 1815A SER BELOW 978.1815B SER BELOW 975.MOD MAKE 1815A/B + REMOTE SAMPLER USABLE IN MODEL 183 OSCILLOSCOPE							
			OCT72	WO 1815A SER BELOW 1130A.1815 SER BELOW 1139A.IMPR 1106A TUNNEL DIODE MOUNT RELIABILITY							
			MAR73	WO SER BELOW 1130A.1815B SER BELOW 1139A.IMPR 1106A TUNNEL DIODE MOUNT RELIABILITY							
1815A/B/6A		OPER & SERV MAN MAN CHANGE	APR69 JAN75	01816-90901 01816-90901	DEC75	01816-90801	8L	01	08	03	
1815A/B/7A		OPER & SERV MAN MAN CHANGE	JAN69 NOV76	01817-90901 01817-90901	NOV85	01817-90901	8L	01	08	03	
1816A		SERV NOTE SET BELOW 1816A-1			OCT79						
			DEC69	WA SER BELOW -00130.MOD IMPR LO FREQ DISTORTION ADJUSTMENT							
1818A		OPER & SERV MAN	MAR77	01818-90902	APR77	01818-90802	8L	01	08	02	
182A		OPER & SERV MAN MAN CHANGE	OCT70 AUG72	00182-90901 00182-90901	NOV72	00182-90801		01	08	03	
182A-807		OPER & SERV MAN MAN CHANGE OPER & SERV MAN MOD	OCT70 AUG72 JAN00	00182-90901 00182-90901 00182-90903	MAR79	00182-90803	8L	01	08	02	
182A/C		SERV NOTE SET BELOW 182A/C-1 182A/C-2 182A/C-4 182A-5-S 182C-5-S			OCT85						
			NOV72	WN ALL SER.MOD TO INSTALL OPT 807 REAR-PANEL CONNECTIONS							
			MAR79	WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY							
			NOV83	WN SER 1941A & BELOW.REC NEW CARRYING HANDLE							
			MAR85	WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE							
			MAR85	WA SAFETY:ALL SER.POSS HAZ,DUE TO INSTR HANDLE BREAKAGE							
182C		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	FEB74 SEP76 OCT79	00182-90906 00182-90908 00182-90908	JUN75 FEB80	00182-90806* 00182-90808	8L	01	08	03	USE 182C FICHE 00182-90808

11/08/85
MODEL
NUMBER
 214A
 214B
 214B-00
 214B-90
 214B-90
 214B-90
 216A
 218A
 219A
 219B
 219C
 22
 220A
 221A
 2210

182A-807	OPER & SERV MAN MAN CHANGE OPER & SERV MAN MOD	OCT70 00182-90901 AUG72 00182-90901 JAN00 00182-90903	MAR79 00182-90803 8L 01 08 02
182A/C	SERV NOTE SET BELOW 182A/C-1 182A/C-2 182A/C-4 182A-5-S 182C-5-S	NOV72 WN ALL SER.MOD TO INSTALL OPT 807 REAR-PANEL CONNECTIONS MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY NOV83 WN SER 1941A & BELOW.REC NEW CARRYING HANDLE MAR85 WA SAFETY:ALL SER.POSS HAZ DUE TO INSTR HANDLE BREAKAGE MAR85 WA SAFETY:ALL SER.POSS HAZ,DUE TO INSTR HANDLE BREAKAGE	OCT85
182C	OPER & SERV MAN OPER & SERV MAN MAN CHANGE	FEB74 00182-90906 SEP76 00182-90908 OCT79 00182-90908	JUN75 00182-90806* 8L 01 08 03 USE 182C FICHE 00182-90808 FEB80 00182-90808 8L 01 08 02

219C
22
220A
221A
2210

DESCRIPTION ***

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*** DESCRIPTION ***											
182C-001		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-002		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-003		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-007		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-010		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-011		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182C-013		OPER & SERV MAN MAN CHANGE	SEP76 00182-90908 OCT79 00182-90908		FEB80 00182-90808		8L	01	08	02	
182T		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 182T-1 182T-2 182T-4-S	FEB75 00182-90907 MAY76 00182-90909 OCT79 00182-90909		APR75 00182-90807* FEB80 00182-90809		01	08	02	USE 182T FICHE 00182-90809 8L 01 08 02	
182T-003		OPER & SERV MAN MAN CHANGE	MAY76 00182-90909 OCT79 00182-90909		FEB80 00182-90809		8L	01	08	02	
1820A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1820A-1 1820A-2 1820A-3A 1820A-4 1820A-5 1820A-6 1820A-7 1820A-8	FEB68 01820-90902 JUL70 01820-90902		OCT70 01820-90802		01	08	02		
1820B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1820B-1 1820B-2 1820B-3	FEB69 01820-90903 JAN70 01820-90903		OCT70 01820-90803		01	08	02		
1820C		OPER & SERV MAN OPER & SERV MAN	FEB74 01820-90907 JUN76 01820-90908		JUN75 01820-90807* APR78 01820-90808		8L	01	08	02	USE 1820C FICHE 01820-90808 8L 01 08 02

11/08/85
MODEL
NUMBER
2210
2212A
222A
226A
230A
230B
2310C
2311A
2312A
232
232A

	1820A-6	MAR70 WO PREF REPL FOR C301, 2, 3, + 4.							
	1820A-7	DEC73 WO ALL SER.PREF REPL FOR R249							
	1820A-8	JUN79 WN ALL SER.PREF REPL FOR TRANSISTOR Q107							
1820B	OPER & SERV MAN MAN CHANGE	FEB69 01820-90903	OCT70 01820-90803			01	08	02	
	SERV NOTE SET BELOW	JAN70 01820-90903							
	1820B-1	OCT79							
	1820B-2	MAR70 WO PREF REPL SWP TIMG CAPACITORS							
	1820B-3	DEC73 WO ALL SER.PREF REPL FOR A1R84							
		NOV73 WN ALL SER.IMP SWEEP LENGTH							
1820C	OPER & SERV MAN	FEB74 01820-90907	JUN75 01820-90807*	8L	01	08	02	USE 1820C FICHE 01820-90808	
	OPER & SERV MAN	JUN76 01820-90908	APR78 01820-90808	8L	01	08	02		

2311A

2312A

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232A

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DESCRIPTION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 93	11/08/85 MODEL NUMBER
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
1821A		OPER & SERV MAN	SEP67	01821-90903	OCT74	01821-90803*	01	08	02	USE 1821A FICHE 01821-90804		232A
		OPER & SERV MAN	JUN68	01821-90904	JUL73	01821-90804*	01	08	03	USE 1821A FICHE 01821-90808		
		OPER & SERV MAN	APR76	01821-90908	FEB82	01821-90808	8L	01	08	02		
		MAN CHANGE	NOV81	01821-90908								
1821A/E/F		SERV NOTE SET BELOW			OCT79							
		1821A-1	JUN67	SER BELOW 712-.MOD IMPR TRIGGERING AT HI FREQ WITH TEMP CHANGES								233A
		1821A-2C	FEB68	SER BELOW 712-01550.MOD IMPR TRIGGERING AT EXT SETTING OF VERT POSITION CONTROL								
		1821A-3	MAY67	SER BELOW 640-.MOD KIT TO PERMIT OPER WITH 1801A AMPLFR WITH SER 644 + UP								
		1821A-4	JUN67	SER BELOW 630-.MOD ALLOW OPER WITH NEW VERT PLUG-INS								
		1821A-5	-	WO SER BELOW 809-.PREF REPL VR201 + VR203 ZENER DIODES								234A
		1821A-6	APR69	WA SER BELOW 805-.MOD ELIM HI FREQ OSCIL								
		1821A-7A	MAR70	WO ALL SER.PREF REPL OF SWP TIMG CAP								235A
		1821A-8	MAR72	WA TRIG MOD COMPUTER FIELD SER APPLICATIONS HP PRTS KIT NO. 01821-69503								
		1821A-9	DEC73	WO SER 1821A + 1821F.PREF REPL FOR R223 + R444								236A
		1821A-10	JUN79	WN ALL SER.PREF REPL FOR TRANSISTORS Q107 & Q305.								
		1821F-1	JUN79	WN ALL SER.PREF						5.		
1822A		OPER & SERV MAN	OCT68	01822-90901	MAY75	01822-90801	01	08	02			
		MAN CHANGE	MAR71	01822-90901								
		SERV NOTE SET BELOW			JUL80							
		1822A-1	MAR70	WO PREF REPL OF SWP TIMG CAPACITORS								
		1822A-2A	APR80	WO SER 0907A & BELOW.MOD TO IMPROVE REL								236A-H01
		1822A-3	DEC73	WO ALL SER.PREF REPL FOR A1R59 + A1R105								
1824A		OPER & SERV MAN	DEC71	01824-90901	JUN75	01824-90801	01	08	02			239A
		MAN CHANGE	MAR75	01824-90901								
1825A		OPER & SERV MAN	SEP76	01825-90904	DEC76	01825-90804	8L	01	08	02		
183A		OPER & SERV MAN	MAR74	00183-90910	MAY74	00183-90810	01	08	03			
183A/B/C/D		SERV NOTE SET BELOW			APR84							
		183A/B-1	JUL70	WA SER 926-00051 THRU 926-00070(183A/B);SER 941-00101 THRU 941-00200(183A);SER 963-00119 THRU 963-00130(183B).MOD TO IMPROVE CRT RELIABILITY								240A
		CONT'D										
		183A/B/C/D-2A	JUN71	WA 183A SER BELOW 1113A,183B SER BELOW 1112A,183C SER BELOW 1117A,183D SER BELOW 1115A.								2401A
		CONT'D										
		183A/B-3	OCT70	WA SER 941-00101 THRU 958-00357(183A);SER 941-00101 THRU 965-00144(183B).MOD TO IMPR PULSE RESP OF 1802A IN 183 SYSTEM								2401B/C
		CONT'D										
		183A/B/C/D-4	MAR71	WA SER BELOW 1107A00876(183A);SER BELOW 1108A00386(183B);SER BELOW 1111A(183C);SER BELOW 1190A00128(183D).MOD TO IMPROVE HIGH VOLTAGE REGULATION								
		CONT'D										
		183A/B/C/D-5	AUG71	WA 183A SER BELOW 1109A00951,183B SER BELOW 1108A00386,183C SER BELOW 1120A00114,183D SER BELOW 1115A00138.MOD TO REDUCE INTENSITY FLICKER								
		CONT'D										
		183A/B/C/D-6	NOV71	WA 183A/B SER BELOW 1204A,183C SER BELOW 1208A,183D SER BELOW 1134A.MOD TO IMPROVE TRIG PERF FOR SINGLE SWEEP OPERATION								
		CONT'D										
		183A/B/C/D-7	DEC71	WO 183A/B SER BELOW 1204A,183C/D SER BELOW 1208A.MOD TO IMPRV ALT OPER USING 180 SERIES								
		183A/B/C/D-8	DEC71	WO ALL SER.PREF REPL FOR A7R9 + A7R16								
		183A/B/C/D-9	FEB72	WO A11A1R6 PREFER REPL								
		183A/C-10	NOV83	WN ALL SER.REC NEW CARRYING HANDLE								
183B		OPER & SERV MAN	MAR74	00183-90910	MAY74	00183-90810	01	08	03			
183C		OPER & SERV MAN	JAN71	00183-90903	JAN75	00183-90803	01	08	03			2402A
		MAN CHANGE	SEP74	00183-90903								

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CTIVE PROBES

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TIVE PROBES

CON'D SER BELOW 1115A00138.MOD TO REDUCE INTENSITY FLICKER
 183A/B/C/D-6 NOV71 WA 183A/B SER BELOW 1204A,183C SER BELOW 1208A,183D SER BELOW 1134A.MOD TO IMPROVE
 CONT'D TRIG PERF FOR SINGLE SWEEP OPERATION
 183A/B/C/D-7 DEC71 WO 183A/B SER BELOW 1204A.183C/D SER BELOW 1208A.MOD TO IMPRV ALT OPER USING 180 SERIES
 183A/B/C/D-8 DEC71 WO ALL SER.PREF REPL FOR A7R9 + A7R16
 183A/B/C/D-9 FEB72 WO A11A1R6 PREFER REPL
 183A/C-10 NOV83 WN ALL SER.REC NEW CARRYING HANDLE

183B	OPER & SERV MAN	MAR74 00183-90910	MAY74 00183-90810	01 08 03
183C	OPER & SERV MAN MAN CHANGE	JAN71 00183-90903 SEP74 00183-90903	JAN75 00183-90803	01 08 03

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***
183D		OPER & SERV MAN MAN CHANGE	JAN71 SEP74	00183-90903 00183-90903	JAN75	00183-90803					01 08 03
183D-020		OPER NOTE MAN CHANGE	JUL72 FEB73	00183-90906 00183-90906	NOV85	00183-90806	8L	01	08	01	
1830A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1830A-1 1830A-2	NOV70 NOV74	01830-90902 01830-90802	NOV84	01830-90802	8L	01	08	02	
1831A		OPER NOTE OPER NOTE CHANGE	AUG70 MAY71	01831-90901 01831-90901	MAY71	01831-90801					01 08 01
1831A-001		OPER NOTE OPER NOTE CHANGE	NOV70 MAY71	01831-90903 01831-90903	MAY71	01831-90803					01 08 01
1831A/B		SERV NOTE SET BELOW 1831A/B-1	MAY71	WO ALL SER.REDUCED CROSS COUPLING	MAY78						
1831B		OPER NOTE OPER NOTE CHANGE	SEP70 MAY71	01831-90902 01831-90902	MAY71	01831-90802					01 08 01
1834A		OPER & SERV MAN MAN CHANGE	JUL73 FEB76	01834-90902 01834-90902	OCT84	01834-90802	8L	01	08	02	
1835A		OPER & SERV MAN	NOV73	01835-90901	DEC73	01835-90801					01 08 02
184A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	OCT74 FEB77 APR81	00184-90903 00184-90904 00184-90904	NOV75 JUN81	00184-90803* 00184-90804	8L 8L	01 01	08 08	03 03	USE 184A FICHE 00184-90804
184A-003		OPER & SERV MAN MAN CHANGE	FEB77 APR81	00184-90904 00184-90904	JUN81	00184-90804	8L	01	08	03	
184A-005		OPER & SERV MAN MAN CHANGE	FEB77 APR81	00184-90904 00184-90904	JUN81	00184-90804	8L	01	08	03	
184A-580		OPER & SERV MAN MAN CHANGE	FEB77 APR81	00184-90904 00184-90904	JUN81	00184-90804	8L	01	08	03	
184A/B		SERV NOTE SET BELOW 184A/B-1 184A/B-2 184A/B-3 184A/B-4 184A-5	NOV72 SEP74 MAR79 APR81 NOV83	WN ALL SER.MOD TO INSTALL OPT 807 REAR PANEL CONNECTIONS WA SER BELOW 1433A.MOD TO CORR CRT CROSSOVER WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY WA SER 1916A & BELOW.IMPR CRT PERF WN SER 2017A & BELOW.REC NEW CARRYING HANDLE	APR84						
184B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	OCT74 FEB77 APR81	00184-90903 00184-90904 00184-90904	NOV75 JUN81	00184-90803* 00184-90804	8L 8L	01 01	08 08	03 03	USE 184B FICHE 00184-90804
184B-003		OPER & SERV MAN MAN CHANGE	FEB77 APR81	00184-90904 00184-90904	JUN81	00184-90804	8L	01	08	03	

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2402A

241A

2410A

2410B

2411A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***
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	184A/B-2	SEP74 WA SER BELOW 1433A.MOD TO CORR CRT CROSSOVER								250A
	184A/B-3	MAR79 WO ALL SER.MOD TO IMPROVE +100V POWER SUPPLY STABILITY								
	184A/B-4	APR81 WA SER 1916A & BELOW.IMPR CRT PERF								
	184A-5	NOV83 WN SER 2017A & BELOW.REC NEW CARRYING HANDLE								
184B	OPER & SERV MAN	OCT74 00184-90903	NOV75 00184-90803*	8L 01 08 03	USE 184B FICHE 00184-90804					250B
	OPER & SERV MAN	FEB77 00184-90904	JUN81 00184-90804	8L 01 08 03						
	MAN CHANGE	APR81 00184-90904								
184B-003	OPER & SERV MAN	FEB77 00184-90904	JUN81 00184-90804	8L 01 08 03						
	MAN CHANGE	APR81 00184-90904								

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 95	11/08/85 MODEL NUMBER
				*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		
184B-005		OPER & SERV MAN MAN CHANGE	FEB77 00184-90904 APR81 00184-90904		JUN81 00184-90804		8L	01	08	03		2509A
184B-580		OPER & SERV MAN MAN CHANGE	FEB77 00184-90904 APR81 00184-90904		JUN81 00184-90804		8L	01	08	03		2545A
1840A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR70 01840-90902 MAR75 01840-90902		JUN83 01840-90802		8L	01	08	02		
		1840A-1	APR70 WA SER BELOW 941.MOD IMPR TRIG ABOVE 200 MHZ									2545C
		1840A-2	AUG71 WA SER 941.IMPR TRIGGER COMPATABILITY									
		1840A-3A	OCT71 WO SER BELOW 1120A.REC REPL FOR TUNNEL DIODES CR8 + CR9									
		1840A-4	AUG71 WO SER BELOW 1102A.REC REPL FOR A1Q11, A1Q12, A1Q13, + A1Q26									
		1840A-5	NOV71 ALL SER.TRBLSHTG AID.SUPPLMT SERV MAN									2546
		1840A-6	DEC72 WO PREFERRED REPLACEMENT FOR A1R21									
1841A		OPER & SERV MAN MAN CHANGE SERV NOTE SET	JAN71 01841-90902 FEB75 01841-90902		JUN75 01841-90802					01 08 03		2547A
		1841A-1	SEP71 TRBLSHTG AID,SUPPLMT SERV MANUAL									
		1841A-2	OCT71 WO SER BELOW 1116A.REC REPL TUNNEL DIODE									
		1841A-3	OCT71 WO SER BELOW 1116A.REC REPL FET 1855-0062 FOR IMPROVED RELIABILITY									2570A
		1841A-4	DEC72 WO PREF REPL FOR A1R17 + A1R90									
185A		OPER & SERV MAN MAN CHANGE BACKDATE	AUG61 185A-900 NOV62 185A-900		FEB78 185A-800		8L	01	08	02	FOR SER PFX 011 AND BELOW	2575A
		OPER & SERV MAN. MAN.CHANGE BACKDATE	AUG61 185A-901 NOV62 185A-901		FEB78 185A-801		8L	01	08	02	FOR SER PFX 023 AND ABOVE	
185A/B		SERV NOTE SET BELOW			JUL79							2590B
		185A-1	-	DIGITAL CONV OF RISE TIME MOD KIT								
		185A-2A	APR65	INT GRATICULE CRT MOD								
		185B-1A	APR65	INT GRATICULE								260A
		185B-2	DEC65	SER 348-01001 + DOWN.MOD TO INCR SYNC PULSE STAB USING 185B-95C								
		185B-3	-	NOT AVAILABLE								
		185B-4A	NOV65	SER BELOW 432-01151.SWP LINEARITY MOD								
		185B-5	NOV65	SER BELOW 432-01276.USE WITH 187C MOD								
		185B-6		SER BELOW 525.MOD FOR INCR REPEAT OF X-Y RECORDING								275A
185B		OPER & SERV MAN MAN CHANGE	OCT62 185B-901 MAY66 185B-901		SEP70 185B-801					01 08 03		2801A
186A		OPER & SERV MAN OPER & SERV MAN	FEB63 186A-901 FEB63 186A-902		APR81 186A-801 NOV71 186A-802		8L	01	08	01	SER PFX 230 - 236 01 08 02 SER PFX 242 & ABOVE	
18641A		OPER NOTE	SEP75 18641-90031		SEP75 18641-90032		8L	01	38	01		2802A
18642A		OPER NOTE	SEP75 18641-90031		SEP75 18641-90032		8L	01	38	01		
18643A		OPER NOTE	SEP75 18641-90031		SEP75 18641-90032		8L	01	38	01		
18644A		OPER NOTE	APR75 18644-90031		SEP85 18644-90032		8L	01	38	01		28023A
187A		OPER & SERV MAN	APR61 187A-900		FEB78 187A-800		8L	01	08	01	FOR SER PFX 011 AND BELOW	28035A

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				*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		*** DESCRIPTION ***		
187A		MAN CHANGE BACKDATE	NOV62 187A-900		FEB78 187A-800		8L	01	08	01		28035A

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18641A	OPER NOTE	SEP75 18641-90031	SEP75 18641-90032	8L 01 38 01	
18642A	OPER NOTE	SEP75 18641-90031	SEP75 18641-90032	8L 01 38 01	
18643A	OPER NOTE	SEP75 18641-90031	SEP75 18641-90032	8L 01 38 01	
18644A	OPER NOTE	APR75 18644-90031	SEP85 18644-90032	8L 01 38 01	
187A	OPER & SERV MAN	APR61 187A-900	FEB78 187A-800	8L 01 08 01	FOR SER PFX 011 AND BELOW

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
187A		MAN CHANGE BACKDATE OPER & SERV MAN MAN CHANGE	NOV62 APR61 JAN63	187A-900 187A-901 187A-901	FEB78 FEB78	187A-800 187A-801	8L	01	08	01	FOR SER PFX 016
187A/B		SERV NOTE SET BELOW			MAY78						
		187A-1	-			NOT AVAILABLE					
		187A-2	-			NOT AVAILABLE					
		187A-3	-			INSTL OF REPL PROBE DIODES					
		187A-4A	APR64			VERT POSITION POTENTIOMETER MOD					
		187A-5	MAY63			FRT PANEL GAIN POT INSTALLATION					
		187B-1E	-			PROBE DIODE INSTALLATION PROCEDURE					
		187B-2	-			NOT AVAILABLE					
		187B-3A	-			SER BELOW 232-01119.MOD TO IMPROVE RISE TIME					
		187B-4	JUL63			SER BELOW 325-01469.MOD TO IMPROVE BASELINE STABILITY					
		187B-5				SER BELOW 325-01469.MOD FOR USE WITH 10213A SAMPLING PROBE ISOLATOR					
		187B-6	APR64			CR513 + CR613 REC REPLACEMENTS					
187B		OPER & SERV MAN MAN CHANGE MAN CHANGE BACKDATE OPER & SERV MAN MAN CHANGE	JAN62 FEB64 FEB62 AUG62 MAY64	187B-900 187B-900 187B-900 187B-901 187B-901	FEB78	187B-800	8L	01	08	01	FOR SER PFX 215- & BELOW
					OCT73	187B-801		01	08	02	FOR SER PFX 232- & ABOVE
187C		SERV NOTE SET BELOW			MAY78						
		187C-1	JUL65	WN		PROBE CARTRIDGE INSTALL PROCEDURE					
		187C-2A	SEP66			PROBE CABLE REPLACEMENT PROCEDURE					
190A		INST MANUAL MAN CHANGE SERV NOTE SET BELOW	JAN00 AUG69	00190-90020 00190-90020	MAY83	00190-91001	8L	01	21	01	
		190A-1	-		MAY78						
		190A-2	AUG69	WA		REPLACEMENT TUBES					
		190A-3	NOV69	WO		SER BELOW 2536.9005 TUBE REPL MOD					
1900		SERV NOTE SET BELOW			APR79						
		1905A-1	JUN69	WO		SER BELOW 905-00151.MOD FOR IMPROVED MINIMUM RATE OUTPUT					
		1905A-2	OCT74	WO		SER BELOW 1209.PREFERRED REPLACEMENTS					
		1906A-1	AUG70	WO		SER BELOW 946-00138.MOD ELIM DBL TRIG					
		1908A-1	AUG69	WO		SER BELOW 833-00125.MOD IMPR COMPATIBILITY WITH 1906A					
		1915A	-			NOT AVAILABLE					
		1915A-2C	APR70	WA		SER BELOW 925-00191.MOD DECREASE OUTPUT PULSE TRANSITION TIMES					
		1915A-3	NOV69	WA		SER 925-00181 TO 936-00250.MOD TO DECREASE TRANSITION TIMES AT LO RANGE SETTINGS					
		1915A-4A	AUG78	WO		SER 1522A & BELOW.PREFERRED REPL FOR A5CR2 & A5CR3 DIODES.					
		1915A-5	MAR70	WO		SER BELOW 946-.PREF REPL FOR A3Q18 + A3Q19					
		1915A-6A	APR70	WO		SER BELOW 946-00326.MOD TO IMPR REL					
		1915A-7	APR70	WO		SER BELOW 960.MOD ELIM SATUR OF 12 VOLT PWR SUPPLIES WHEN AMPLT VERNIER IS FULL CW					
		1915A-8	NOV70	WO		SER BELOW 0984A.REC REPL FOR TRANS HEAT SINKS					
		1915A-9	MAY71	WA		SER BELOW 1102A.IMPR RELIABILITY KIT					
		1915A-10B	JUN72	WO		SER BELOW 1203A.IMPROVED RELIABILITY					
		1915A-11	MAR72	WO		SER BELOW 1203A.RED OUTPUT TRANS FAIL					
		1915A-12A	DEC74	WA		SER 1143 + U7.THREE PREF REPLACEMENTS					
		1917A-1	DEC69	WO		SER BELOW 947-00176.MOD ELIM VOLTAGE SHIFTER OSCILLATION					
		1917A-2	DEC69	WO		SER BELOW 944-00156.MOD ELIM LEADING EDGE TRANSITION TIME SHIFT					
		1920A-1	DEC69	WO		SER BELOW 943-00136.MOD IMPR PERFORM					
		1920A-2	APR73	WN		SER BELOW 1211A.PREF REPL FOR A2Q14, Q15, Q31, Q32					

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28035A

28036A

28037A

28039A

2804A

28048A

28084A

281A

281B

2811B

2813B

2813C

2813D

2816A

2901A

2901B

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1900		1922A-1 1925A-1	JAN74 JAN70	WO WA		SER BELOW 1209A.UP RISETIME CAPABILIT SER BELOW 953-00166.MOD ELIM SPURIOUS OUTPUT					

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2911B

RED

1915A-9
1915A-10B
1915A-11
1915A-12A
1917A-1
1917A-2
1920A-1
1920A-2

MAY71 WA SER BELOW 1102A.IMPR RELIABILITY KIT
JUN72 WO SER BELOW 1203A.IMPROVED RELIABILITY
MAR72 WO SER BELOW 1203A.RED OUTPUT TRANS FAIL
DEC74 WA SER 1143 + U7.THREE PREF REPLACEMENTS
DEC69 WO SER BELOW 947-00176.MOD ELIM VOLTAGE SHIFTER OSCILLATION
DEC69 WO SER BELOW 944-00156.MOD ELIM LEADING EDGE TRANSITION TIME SHIFT
DEC69 WO SER BELOW 943-00136.MOD IMPR PERFORM
APR73 WN SER BELOW 1211A.PREF REPL FOR A2Q14, Q15, Q31, Q32

2810A
2901A
2901B

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1900		1922A-1 1925A-1 1925A-2 1925A-3A	JAN74	WO SER BELOW	1209A	UP RISE TIME CAPABILIT					
			JAN70	WA SER BELOW	953-00166	MOD ELIM SPURIOUS OUTPUT					
			OCT70	WO SER BELOW	953-00250	MOD IMPR OUTPUT IN MANUAL MODE					
			MAR74	WN SER BELOW	1232A	WORD COUNT ERRORS					
1900A		OPER & SERV MAN SERV NOTE SET BELOW	SEP76	01900-90904	SEP85	01900-90804	8L	01	08	02	
		1900A-1	AUG69	WO SER BELOW	931-	MOD ELIM 25 VOLT PWR SUPPLY OSCILLATION					
		1900A-2	AUG69	WO SER BELOW	939-	MOD IMPR REL 25 VOLT POWER SUPPLY					
		1900A-3	AUG69	WO SER BELOW	924-00196	MOD IMPR REL OF 70 VOLT POWER SUPPLY					
		1900A-4	NOV69	WA SER BELOW	938-00241	MOD TO ALLEVIATE POWER CONNECTOR PROBLEM					
1901A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAY69	01901-90901	AUG82	01901-90801	8L	01	08	01	
		1901A-1	MAY75	01901-90901	MAY78						
		1901A-2	AUG69	WO SER BELOW	931-	MOD ELIM 25 VOLT POWER SUPPLY OSCILLATION					
			NOV69	WA SER BELOW	931-00151	MOD TO ALLEVIATE POWER CONNECTOR PROBLEM					
1905A		OPER & SERV MAN	AUG76	01905-90906	DEC76	01905-90806	8L	01	08	02	
1905A-001		OPER NOTE	JAN74	01905-90905	NOV85	01905-90805	8L	01	08	01	
1905A-005		OPER & SERV MAN	NOV76	01905-90907	MAR77	01905-90807	8L	01	08	02	
1906A		OPER & SERV MAN MAN CHANGE	NOV69	01906-90901	AUG82	01906-90801	8L	01	08	02	
			DEC74	01906-90901							
1906A-001		OPER & SERV MAN MAN CHANGE	DEC69	01906-90902	AUG82	01906-90802	8L	01	08	01	
			SEP70	01906-90902							
1908A		OPER & SERV MAN	JUN76	01908-90905	DEC76	01908-90805	8L	01	08	02	
1908A-001		OPER NOTE	OCT70	01908-90903	DEC70	01908-90803		01	08	01	
1908A-005		OPER & SERV MAN	NOV76	01908-90906	FEB77	01908-90806	8L	01	08	02	
1909A		OPER & SERV MAN	JAN72	01909-90901	APR72	01909-90801		01	08	02	
1909A-001		OPER NOTE	JUL72	01909-90902	SEP81	01909-90802	8L	01	08	01	
191A		OPER & SERV MAN SERV NOTE SET BELOW	JUN68	00191-90902	MAY71	00191-90802		01	08	03	
		191A-1	MAY70	A1R108	PREFERRED REPLACEMENT						
		191A/193A-1	APR68	WO SER BELOW	716-00835	MOD TO PREV HI FREQ ROLL-OFF PROBLEMS					
		191A/193A-2	MAY70	A3CR301 + A3CR302	PREFERRED REPLACMNT						
		191A-3	FEB74	WN ALL SER.REQ	VERT AMPLF BALANCE PROC						
		191A-4	JUL76	WN ALL SER.CRT	REPLACEMENT						
1910A		OPER & SERV MAN MAN CHANGE	JUN69	01910-90901	NOV78	01910-90801	8L	01	08	01	
			MAR72	01910-90901							
1915A		OPER & SERV MAN MAN CHANGE MAN CHANGE MAN CHANGE	JUL71	01915-90906	DEC75	01915-90806*	8L	01	08	03	USE 1915A FICHE 01915-90810
			JAN00	01915-90910	MAR85	01915-90810	8L	01	08	03	
			JAN00	01915-90910							
			JAN00	01915-90910							

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2911B

2911C

2922A

2930A

29400

297A

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3S X-Y REC

300A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1915A-001		OPER NOTE OPER NOTE CHANGE	NOV71	01915-90908	FEB85	01915-90808	8L	01	08	01	
			AUG75	01915-90908							

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3030

OUTPUT

1910A	OPER & SERV MAN MAN CHANGE	JUN69 01910-90901 MAR72 01910-90901	NOV78 01910-90801 8L 01 08 01
1915A	OPER & SERV MAN MAN CHANGE MAN CHANGE MAN CHANGE	JUL71 01915-90906 JAN00 01915-90910 JAN00 01915-90910 JAN00 01915-90910	DEC75 01915-90806* 8L 01 08 03 MAR85 01915-90810 8L 01 08 03 USE 1915A FICHE 01915-90810

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1915A-001		OPER NOTE OPER NOTE CHANGE	NOV71 01915-90908 AUG75 01915-90908		FEB85 01915-90808		8L	01	08	01	
1915A-005		OPER & SERV MAN OPER & SERV MAN	MAR72 01915-90907 FEB77 01915-90911		MAY74 01915-90807* APR77 01915-90811		01 8L	08 01	04 08	03	USE 1915A-005 FICHE 01915-90811
1916A		OPER & SERV MAN	OCT72 01916-90001		JAN73 01916-90501		8L	01	01	02	
1917A		OPER & SERV MAN	AUG76 01917-90907		DEC76 01917-90807		8L	01	08	02	
1917A-001		OPER & SERV MAN MAN CHANGE	APR70 01917-90903 JUN74 01917-90903		JAN78 01917-90803		8L	01	08	01	
1917A-005		OPER & SERV MAN OPER & SERV MAN	FEB72 01917-90904 OCT80 01917-90908		DEC75 01917-90804* APR81 01917-90808		8L 8L	01 01	08 08	03 03	USE 1917A-005 FICHE 01917-90808
1920A		OPER & SERV MAN MAN CHANGE	MAR70 01920-90901 FEB76 01920-90901		OCT84 01920-90801		8L	01	08	02	
1920A-001		OPER NOTE OPER NOTE CHANGE	AUG70 01920-90902 OCT70 01920-90902		DEC84 01920-90802		8L	01	08	01	
1921A		OPER & SERV MAN MAN CHANGE	JUL71 01921-90901 AUG72 01921-90901		NOV72 01921-90801			01	08	02	
1921A-001		OPER NOTE OPER NOTE CHANGE	MAR72 01921-90902 AUG72 01921-90902		APR73 01921-90802			01	08	01	
1922A		OPER & SERV MAN MAN CHANGE	JUL71 01922-90901 AUG72 01922-90901		APR73 01922-90801			01	08	02	
1922A-001		OPER NOTE OPER NOTE CHANGE	APR72 01922-90902 AUG72 01922-90902		APR73 01922-90802			01	08	01	
1925A		OPER & SERV MAN MAN CHANGE	JUN69 01925-90901 APR76 01925-90901		OCT84 01925-90801		8L	01	08	02	
1927A		OPER & SERV MAN MAN CHANGE	APR70 01927-90901 MAR72 01927-90901		APR72 01927-90801			01	08	01	
1928A		OPER & SERV MAN MAN CHANGE MAN CHANGE	OCT70 01928-90901 OCT71 01928-90901 MAR77 01928-90901		APR72 01928-90801			01	08	02	
193A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 193A-A-1 193A-2 193A-3 193A-4	JUL69 00193-90904 AUG72 00193-90904		OCT80 00193-90804		8L	01	08	03	
					MAY78 APR68 WO SER BELOW 716-00835.MOD TO PREV HI FREQ ROLL-OFF PROBLEMS MAY70 A3CR301 + A3CR302 PREFERRED REPLACMNT MAR72 WO SER BELOW 0967A01129.CORR MOUNTING POLARITY FOR C702 JUL76 WN ALL SER.CRT REPLACEMENT						
1930A		OPER & SERV MAN MAN CHANGE	FEB71 01930-90901 FEB76 01930-90901		OCT84 01930-90801		8L	01	08	02	

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NUMBER

3030

3040A

3041A

3042A

3042A-121

3042A-122

3042A-123

3042A-124

3043A

3044A

3045A

3046A

3046B

3047A

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ATOR

SLOW

ER & PWR

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 99
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1934A		OPER & SERV MAN MAN CHANGE	MAY71 01934-90901 MAY72 01934-90901		JUL80 01934-90801		8L	01	08	02	
193A		OPER & SERV MAN	JAN72 00193-90902		FEB72 00193-90802			01	08	01	

11/08/85
MODEL
NUMBER

3047A

& PWR

193A-2
193A-3
193A-4

MAY70 A3CR301 + A3CR302 PREFERRED REPLACMNT
MAR72 WO SER BELOW 0967A01129.CORR MOUNTING POLARITY FOR C702
JUL76 WN ALL SER.CRT REPLACEMENT

1930A OPER & SERV MAN FEB71 01930-90901 OCT84 01930-90801 8L 01 08 02
MAN CHANGE FEB76 01930-90901

3046A OP
3046B OP
3047A SY

GE 84

2/6

OR

PC BD
OR

OR
2109A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 99
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
1934A		OPER & SERV MAN MAN CHANGE	MAY71 MAY72	01934-90901 01934-90901	JUL80	01934-90801	8L	01	08	02	
195A		OPER & SERV MAN SERV NOTE SET BELOW 195A-1	JAN72 OCT72	00195-90902 WO SER 947A.RED	FEB72 JUL80	00195-90802	01	08	01		
1950A		PRELIM OP & SERV MN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 1950A-1A	JAN81 FEB82 APR84 FEB84	01950-90901 01950-90902 01950-90902 WA SER 2323A & BELOW.MOD TO CORREC IMPROPER E01 ASSERTION OVER HP-IB	JUL81 JUN84 JUL84	01950-90801* 01950-90802	8L	01	08	03	USE 1950A FICHE 1950-90802
196A		SERV NOTE SET BELOW 196A-1 196A-2 196A-3 196A-4C	FEB60 MAY60 - MAR66	CUSHIONS IN CAMERA CARRYING CASE FOR PROTECTION BEZEL RING CLAMP REPLACEMENT ADAPTER RING FOR TEKTRONIX OSCIL TO GUARD AGAINST LIGHT LEAKAGE INTERNAL LITE SOURCE MOD KIT	JUL80						
196A/B		OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	SEP65 MAR65 SEP65 JUL68	196A-901 196A-901 196A-902 196A-902	DEC82	196A-801 196A-802	8L	01	08	01	SER PFX 332- SER PFX 422 & ABOVE
1965A		OPER & SERV MAN MAN CHANGE USER'S MAN SERV NOTE SET BELOW 1965A-1 1965A-2	MAY83 JAN85 JUN83 OCT83 JAN84	01965-90901 01965-90901 01965-90902 WO SER 2310A00229 & BELOW.MOD TO ELIM HARD KEY PRESSURE WA SER 2310A.MOD TO CORREC IMPROPER E01 ASSERTION OVER HP-IB	OCT85 AUG83 APR84	01965-90801 01965-90802	8L	01	08	04 02	
197A		OPER & SERV MAN	OCT75	00197-90907	JAN76	00197-90807*	8L	01	08	02	USE 197A-001 FICHE 00197-90811
197A-001		OPER & SERV MAN MAN CHANGE	JUL76 NOV78	00197-90911 00197-90911	JUN83	00197-90811	8L	01	08	02	
197A-008		OPER NOTE	DEC75	00197-90908	JAN76	00197-90808	8L	01	08	01	
197A/198A		SERV NOTE SET BELOW 197A-1 197A-2 197A-3 197A-4 197A-5 197A-6 197A-7 197A-8 197A-9 198A-1	DEC67 DEC67 DEC68 DEC68 AUG69 OCT72 - FEB80 JUL81 MAR71	SER BELOW 610-01090.MOD TO IMPR SWCH BETWEEN "TIME" + "BULB",+ TO PREV SHUTTER TRIG SER BELOW 730.TRANS Q11,Q41 PREF REPL WA SER BELOW 805-02251.MOD TO PREV SHUTTER TRIG ON LINE NOISE OPTION 12 FUSE CHANGE WA POLAROID FILM BACK ADAPTOR WO SER BELOW 913.RED SHUTTER SENSI TO LINE TRANST + STATIC DISCHARGES ALL SER.REPAIR KITS WO ALL SER.MOD TO IMPROVE SOLENOID REL. WN SER 1203A & BELOW.UV SCALE ILLUM BULB (PN 2140-0254) IS AVAIL FM STOCK WN SER BELOW 1026J.LOW MOUNT CLAMP MOD	OCT81						
197B		PRELIM OP & SERV MN OPER & SERV MAN	FEB79 MAR81	00197-90915 00197-90919	FEB80 MAY81	00197-90815* 00197-90819	8L	01	08	01 02	USE 197B FICHE 00197-90819
197B-001		PRELIM OP & SERV MN	FEB79	00197-90915	FEB80	00197-90815*	8L	01	08	01	USE 197B-001 FICHE 00197-90819

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NUMBER

3047A
3047A-036
3050A
3050A-021
3050A-022
3050A-023
3050A-024
3050B
3051A
3052A

MAN
SYS
SYS
SYS
PRO
SUP
SER
305
305
305
305
305
305
305
PRO
SUP
PRO
SUP
PRO
PRO
OPE
REV
SYS
INS
MAN
OPE
REV
SYS
SER
305
SYS
OPE
USE
INS
OPE
REV
REV
REV
SYS
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 100
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
197B-001		OPER & SERV MAN	MAR81	00197-90919	MAY81	00197-90819	8L	01	08	02	
197B-002		PRELIM OP & SERV MN OPER & SERV MAN	FEB79 MAR81	00197-90915 00197-90919	FEB80 MAY81	00197-90815* 00197-90819	8L	01	08	01 02	USE 197B-002 FICHE 00197-90819
197B-003		PRELIM OP & SERV MN	FEB79	00197-90915	FEB80	00197-90815*	8L	01	08	01	USE 197B-003 FICHE 00197-90819

11/08/85
MODEL
NUMBER

3052A
3052A-500
3054A

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OPE
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197B PRELIM OP & SERV MN FEB79 00197-90915
 OPER & SERV MAN MAR81 00197-90919
 197B-001 PRELIM OP & SERV MN FEB79 00197-90915

FEB80 00197-90815* 8L 01 08 01 USE 197B FICHE 00197-90819
 MAY81 00197-90819 8L 01 08 02

FEB80 00197-90815* 8L 01 08 01 USE 197B-001 FICHE 00197-90819

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 100
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

197B-001 OPER & SERV MAN MAR81 00197-90919 MAY81 00197-90819 8L 01 08 02

197B-002 PRELIM OP & SERV MN FEB79 00197-90915 FEB80 00197-90815* 8L 01 08 01 USE 197B-002 FICHE 00197-90819
 OPER & SERV MAN MAR81 00197-90919 MAY81 00197-90819 8L 01 08 02

197B-003 PRELIM OP & SERV MN FEB79 00197-90915 FEB80 00197-90815* 8L 01 08 01 USE 197B-003 FICHE 00197-90819
 OPER & SERV MAN MAR81 00197-90919 MAY81 00197-90819 8L 01 08 02

197B-006 OPER NOTE MAR79 00197-90917 MAY79 00197-90817 8L 01 08 01
 PRELIM OP & SERV MN FEB79 00197-90915 FEB80 00197-90815* 8L 01 08 01 USE 197B-006 FICHE 00197-90819
 OPER & SERV MAN MAR81 00197-90919 MAY81 00197-90819 8L 01 08 02

197B-007 PRELIM OP & SERV MN FEB79 00197-90915 FEB80 00197-90815* 8L 01 08 01 USE 197B-007 FICHE 00197-90819
 OPER & SERV MAN MAR81 00197-90919 MAY81 00197-90819 8L 01 08 02

198A OPER & SERV MAN NOV72 00198-99004 MAR75 00198-99054 01 33 02

1980A OPER & SERV MAN FEB82 01980-90907 OCT85 01980-90807 8L 01 08 09 INCLUDES 1980A/B FICHE 01980-90805
 MAN CHANGE JUN85 01980-90907
 OPER & PROG MAN NOV81 01980-90905 JUN84 01980-90805 8L 01 08 03
 MAN CHANGE APR84 01980-90905

1980A/B SERV NOTE SET BELOW JUL84
 1980A/B-1 JUL80 WN SERV KIT OF ELASTOMERIC CONNECTORS NOW AVAIL.ORDER 01980-69501
 1980A/B-3A FEB84 WN ALL SER.REC FAST BLOW FUSES FOR PROPER LINE FUSING TO PROTECT INT CIRCUITRY
 1980A/B-3 DEC80 WO SER 1947A.PREF HORIZ HYBRID REPL
 1980A/B-4 JAN81 WO SER 2106A & BELOW.PREF REPL TRIGGER HYBRID ASU1
 1980A/B-5C JAN84 WO SER 2131A & BELOW.REC HP-IB ROM REPL
 1980A/B-6 AUG81 WO SER 2131A & BELOW.REC REPL OPER ROMS
 1980A/B-7 AUG81 WN SER 2131A & BELOW.MOD TO UPDATE OLDER 1980B'S TO SAME OP CONFIG PFX 2142A & ABOVE
 1980A/B-8 OCT81 WO SER 2131A & BELOW.PREF REPL A4 BD ASSY
 1980A/B-9 DEC81 WO ALL SER PREF REPL FOR REFERENCE AMPLIF A1U1 IN +15 VDC SUPPLY
 1980A/B-10B JAN84 WN 1980A:SER 2240A & BELOW;1980B:SER 2216A & BELOW.MOD TO PREV RANDOM BUS LOCKUP OR
 CONT'D SYNTAX ERRORS
 1980A/B-11 NOV82 WO ALL SER.MOD TO IMPROV TRIGGER FLAG PERF
 1980A/B-12 JAN83 WA 1980A:SER 2209A & BELOW;1980B:SER 2144A & BELOW.MOD TO PREV CRT ARCING
 1980A/B-13 JAN83 WO 1980B:SER 2126A & BELOW.TRBLSTGT ISOLATE CAUSE RANDOM INTENSITY LEVEL CHANGES
 1980A/B-14 JAN83 WN ALL SER.MANUAL SUPPLMT DESC CALIB PROC
 1980A/B-15A MAR83 WN SER 2216A & BELOW.MOD DECR RESP TIME FOR RAPID PROG TRIG LEVEL SLEW ROUTINE
 1980A/B-16 MAR83 WO 1980A:SER 2309A00205 & BELOW;1980B:SER 2306A01716 & BELOW.MOD TO PREV RANDOM LINE
 CONT'D FSE &/OR A1 BD BURN ASSOCIATE WITH A1Q2 FAILURE
 1980A/B-17 JAN84 WA 1980A:ALL SER;1980B:SER 2142A THRU 2338A.MOD TO CORREC IMPROPER E01 ASSERTION OVER
 CONT'D HP-IB
 1980A/B-18 MAR84 WO ALL SER. FRT PAN FACIA CLEANING

1980B PRELIM OP & SERV MN JUL80 01980-90901 APR81 01980-90801* 8L 01 08 08 USE 1980B FICHE 01980-90806
 OPER & PROG MAN NOV81 01980-90905 JUN84 01980-90805 8L 01 08 03
 MAN CHANGE APR84 01980-90905
 SERV MAN NOV81 01980-90906 OCT85 01980-90806 8L 01 08 07
 MAN CHANGE AUG85 01980-90906

19807A OPER NOTE AUG81 19807-90901 AUG81 19807-90801 8L 01 08 01

19810A OPER NOTE SEP80 19810-90901 JAN81 19810-90801 8L 01 08 01

11/08/85 MODEL NUMBER O C
 3052A QUI
 3052A-500 OPE
 3054A SER
 3054A(85A) INT
 3054A(9825B) INT
 3054A(9826) OPE
 3054A(9835A) INT
 3054A(9845B) INT
 3054A*** INT
 3054A-802 OPE
 3054C(1000) OPE
 3054DL OPE
 3056DL OPE

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

19811A OPER NOTE JUN81 19811-90901 FEB82 19811-90801 8L 01 08 01

19860A OPER & SERV MAN MAY82 19860-90902 MAY83 19860-90802 8L 01 08 03
 MAN CHANGE MAR83 19860-90902

2D OPER & SERV MAN APR64 00002-91303 JAN81 00002-91353 8L 01 11 02

11/08/85 MODEL NUMBER O C
 3060A PRE-
 USER
 QUICK
 SERV
 INST
 OPER
 MAN

19810A OPER NOTE SEP80 19810-90901 JAN81 19810-90801 8L 01 08 01

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 101

19811A OPER NOTE JUN81 19811-90901 FEB82 19811-90801 8L 01 08 01
19860A OPER & SERV MAN MAN CHANGE MAY82 19860-90902 MAR83 19860-90902
2D OPER & SERV MAN APR64 00002-91303 JAN81 00002-91353 8L 01 11 02
2D-2 OPER & SERV MAN MAR65 00002-91307 MAR84 00002-90057 8L 01 11 02
2D-2A OPER & SERV MAN MAR65 00002-91307 MAR84 00002-90057 8L 01 11 02
2D-3 OPER & SERV MAN MAR65 00002-91307 MAR84 00002-90057 8L 01 11 02
2D/2FA SERV NOTE SET BELOW HAY78
M011-1 APR67 MYLAR TEST GRID FOR CALIBRATION
M011-2 JUN67 SWEEP TIMING CAPACITOR REPLACEMENT
2D/2D-2/2D-3/ FEB74 CHANGE OF PAPER HOLDDOWN FROM VACUUM TO AUTOGRIP
2FA-1 MAR67 SER BELOW 619.RECOMMENDED CHANNEL MOUNTING YOKE REPLACEMENT
105 JUN61 VACUUM PUMP MAINTENANCE
107 OCT61 INTERNAL TIME BASE SERVICE PROCEDURE
116 OCT62 VACUUM PUMP MOTOR SERVICE
117 OCT62 SWEEP LINEARITY PROBLEMS
118 FEB63 ONE MEGOHM INPUT IMPED MEASUREMENT
119 MAY63 POWER TRANSISTOR CHANGE
125 JAN64 RECOMMENDED PARTS CHANGE
126 SEP64 MODIFICATION TO IMPROVE PERFORMANCE
127 DEC64 SER BELOW 198.MOD TO IMP PERFORMANCE
131 MAY65 SER BELOW 265.MOD TO IMP PERFOR
137 JUN65 FACTORY MOD FOR F-1A-3 CURVE TRACER
2DR OPER & SERV MAN APR64 00002-91303 JAN81 00002-91353 8L 01 11 02
2D4/2DRA OPER & SERV MAN AUG66 00002-90000 APR79 00002-90050 8L 01 11 02 INCLUDES METRIC MODELS
2FA/2FRA OPER & SERV MAN DEC66 00002-90001 MAY71 00002-90051* 01 11 03 USE 2FA/2FRA FICHE 00002-90053
OPER & SERV MAN JUN71 00002-90003 JUN83 00002-90053 8L 01 11 03
MAN CHANGE OCT71 00002-90003
2FAM/2FRAM OPER & SERV MAN DEC66 00002-90001 MAY71 00002-90051* 01 11 03 USE 2FA/FRA FICHE 00002-90053
2FR OPER & SERV MAN DEC66 00002-90001 MAY71 00002-90051* 01 11 03 USE 2FR FICHE 00002-90053
OPER & SERV MAN JUN71 00002-90003 JUN83 00002-90053 8L 01 11 03
MAN CHANGE OCT71 00002-90003
2S OPER & MAINT MAN JAN00 00002-91329 NOV71 00002-91379 01 11 01
20-A INSTR & OPER MAN JAN00 00020-91358 NOV74 00020-90058 01 11 01
200A OPER & SERV MAN FEB62 200A-910 MAR78 200A-950 8L 01 09 01
200A/B SERV NOTE SET BELOW JAN80
200AB-1B - RANGE SWTCH REPL + FREQ ADJUSTMENT
200AB-2D NOV71 NO TEST + ADJUSTMENT PROCEDURES
200AB-3D JUN70 WN SER BELOW 310-19474.MOD TO DECREASE HUM + DISTORTION

11/08/85 MODEL NUMBER O C

3060A PRE-IMP
USERS
QUICK
SERV M
INSTAL
OPER M
MAN CH
INSTAL
INSTAL
QUICK
USERS
MAN CH
QUICK
SERV M
PRE-IMP
USER'S
MAN CH
SERV M
QUICK
QUICK
SERV M
3060A-
3060A-
3060A-
3060A-
CONT'
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-
3060A-

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200B OPER & SERV MAN FEB62 200A-910 MAR78 200A-950 8L 01 09 01
SERV NOTE SET BELOW JAN80
200B-1B - RANGE SWTCH REPLACEMENT
200C OPER & SERV MAN APR62 200C-910 MAY75 200C-960 01 09 01
200CD OPER & SERV MAN AUG71 200CD-907 AUG77 200CD-957 * 8L 01 09 02 USE 200CD FICHE 200CD-958
OPER & SERV MAN FEB81 200CD-908 FEB82 200CD-958 8L 01 11 02

11/08/85 MODEL NUMBER O C

3060A 3060A-
CONT'
3060A-
3060A-
CONT'
3060A-
3060A-
3060A-

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

Table with columns: MODEL NUMBER, O, C, LITERATURE TYPE, H/C DATE, H/C PART NUMBER, FICHE DATE, FICHE PART NUMBER, M, P, D, P, L, T, V, G. Rows include model numbers 200B, 200C, 200CD, 200D, 200H, 200I, 200J, 200T, 201B, 201C, 202A, 202D.

Table with columns: MODEL NUMBER, O, C, LIT. Rows include model numbers 3060A, 3060A-3, 3060A-4, 3060A-5, 3060A-6, 3060A-R03, 3060A-040, 3060A-041, 3060A-100, 3060A-25, 3061A.

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

Table with columns: MODEL NUMBER, O, C, LITERATURE TYPE, H/C DATE, H/C PART NUMBER, FICHE DATE, FICHE PART NUMBER, M, P, D, P, L, T, V, G. Rows include model numbers 202E, 202H.

Table with columns: MODEL NUMBER, O, C, LIT. Row includes model number 3061A.

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 103
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

202E OPER INSTRUCT JAN00 00202-90029 AUG80 5951-6200 8L 01 21 01

202H OPER & SERV MAN SEP65 00202-90006 OCT85 00202-90034 8L 01 21 02
 MAN CHANGE OCT73 00202-90006
 SERV NOTE SET BELOW JAN80
 202H-1A - FM/AM SIG GEN INSTALLATION PROCEDURE FOR FLEXIBLE COUPLING UNIT
 202H-2 - FM/AM REPL OF RESIST (R117,R118)IN RF PISTON ATTEN ASSY
 202H-3 - PROC FOR MEAS SIG-TO-NOISE RATIO
 202H-4 MAY66 RF WAVEFORM DISTORTION
 202H-5 - SER BELOW 650.REPL OF 6BK7 WITH 12AT7
 202H-6A/202J-4A - ALL SER.RF UNIT STATOR MOD TO RED CRACKING OF CERAMIC STATOR MOUNTS
 202H-7 - SER BELOW 6350.MOD TO IMPR PISTON ATTEN PROBE HEAD + ASSOC COMP.ALL SER: REPL PROC
 202H-8 MAY69 REF DESIG INDEX + REP PARTS TABLE
 202H-9/202J-5 OCT69 WN 202H SER 537 + UP.202J SER 6847 + UP.REPL FILTR FL10J

202J SERV NOTE SET BELOW JAN80
 202J-1 - SER BELOW 6847.AMPLR MOD FOR IMPR PER
 202J-2A - SER BELOW 6842.IMPR PERF MODIFICATION
 202J-3 DEC65 SER BELOW 7226.MOD TO LOWER AM DIST

203A OPER & SERV MAN JUL73 00203-99002 SEP73 00203-99052* 01 09 03 USE 203A FICHE 00203-99054
 OPER & SERV MAN MAY76 00203-99004 JUL77 00203-99054* 8L 01 33 02 USE 203A FICHE 00230-99055
 OPER & SERV MAN FEB81 00203-99005 JUN83 00203-99055 8L 01 33 02
 SERV NOTE SET BELOW JAN80
 203A-1 DEC65 SER BELOW 425-00575.REC REPL FOR C3
 203A-2A JAN66 SER BELOW 425-00575.RF AMPLF A2 REPL PARTS
 203A-3A FEB67 ALL SER.A1 BOARD + DECADE MODULE ADJ PROCEDURE

203B OPER INSTRUCT DEC62 00203-90006 OCT72 5951-6199 8L 01 21 01

204A OPER & SERV MAN JAN53 204A-910 FEB78 204A-960 8L 01 09 01
 MAN CHANGE JUL54 204A-910
 MAN CHANGE BACKDATE JAN00 204A-910

204B SERV NOTE SET BELOW JAN80
 204B-1D AUG69 BATTERY PACK OR PWR SUPPY INSTAL PROC
 204B-2/208A-2/ JAN67 NICKLE CAD BATTERY MAINTENANCE
 403B-2/419A-4/
 3420B-1

204C OPER & SERV MAN DEC76 00204-90005 MAR79 00204-90055 8L 01 09 02
 MAN CHANGE AUG78 00204-90005
 OPER & SERV MAN AUG71 00204-90002 MAY75 00204-99052* 01 09 02 USE 204C FICHE 00204-90055
 OPER NOTE DEC84 00204-90020 FEB85 00204-90220 8L 01 A1 01
 INSTALL NOTE DEC84 00204-90022 FEB85 00204-90222 8L 01 A1 01
 INSTALL NOTE AUG85 00209-90011 NOV85 00209-90211 8L 01 A1 01
 SERV NOTE SET BELOW JAN80
 204C-1 DEC68 WO SER BELOW 808-00500.MOD TO IMPR PERF
 204C-2 DEC75 WN SAFETY.SHOCK POT REVISIONS
 204C/D-3B AUG79 WA SER 204C,204C-H20:0989A18215 & BELOW;204D J5485 & BELOW. MOD TO ACCEPT NEW TYPE
 CONT'D BATTERIES (OPT 002 ONLY)
 204C/D-4 OCT79 WN SAFETY.204C:0989A14605 & BELOW,204C-H20,OPT 02:0989A14855 & BELOW,204D:1105A02415
 CONT'D & BELOW.MOD TO IMPROVE SAFETY GRNDING

204C-H20 OPER & SERV MAN DEC76 00204-90005 MAR79 00204-90055 8L 01 09 02

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3061A USER'S MA
 MAN CHANG
 SERV MAN
 MAN CHANG
 QUICK RE
 QUICK RE
 MAN CHANG
 SERV NOT
 3060A-1
 3061A/60
 CONT'D
 3061A/30
 3061A/30
 3061A/30
 3061A/30
 3161A/30
 3061A/30
 3061A/30
 6031A/60

3062A USER'S MA
 MAN CHANG
 SERV MAN
 MAN CHANG
 QUICK RE
 QUICK RE
 MAN CHANG
 SERV NOT
 3060A-1
 3062A-2
 3061A/60
 CONT'D
 3061A/30
 3061A/30
 3061A/30
 3061A/30
 3161A/30
 3061A/30
 3061A/30
 6031A/60

3065 USER'S GU
 USERS RE
 USERS RE
 MAN CHANG
 SITE PREP
 INSTAL MA
 SERV & HA
 DIAGNOST
 DIAGNOST
 DIAGNOST

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

204C-H20 MAN CHANGE AUG78 00204-90005 MAR79 00204-90055 8L 01 09 02
 OPER & SERV MAN AUG71 00204-90002 MAY75 00204-99052* 01 09 02 USE 204C-H20 FICHE 00204-90055
 INSTALL NOTE DEC84 00204-90022 FEB85 00204-90222 8L 01 A1 01

204D OPER & SERV MAN DEC76 00204-90005 MAR79 00204-90055 8L 01 09 02
 MAN CHANGE AUG78 00204-90005
 OPER & SERV MAN AUG71 00204-90002 MAY75 00204-99052* 01 09 02 USE 204D FICHE 00204-90055
 OPER NOTE DEC84 00204-90021 FEB85 00204-90221 8L 01 A1 01
 INSTALL NOTE DEC84 00204-90022 FEB85 00204-90222 8L 01 A1 01
 INSTALL NOTE AUG85 00209-90011 NOV85 00209-90211 8L 01 A1 01
 SERV NOTE SET BELOW OCT81
 204D-1 NOV69 WA SAFETY.SER BELOW 910-00273.GROUND CONTINUITY MODIFICATION

11/08/85 MODEL NUMBER O C LITERATURE TYPE

3065 SERV NOTE
 3065-1
 3065-2
 3065-3
 3065-4
 3065-5
 3065-6
 3065-7
 3065-8
 3065-9
 3065-10
 3065-11

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 104
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
204C-H20		MAN CHANGE OPER & SERV MAN INSTALL NOTE	AUG78 AUG71 DEC84	00204-90005 00204-90002 00204-90022	MAR79 MAY75 FEB85	00204-90055 00204-99052* 00204-90222	8L	01	09	02	USE 204C-H20 FICHE 00204-90055
204D		OPER & SERV MAN MAN CHANGE OPER & SERV MAN OPER NOTE INSTALL NOTE INSTALL NOTE SERV NOTE SET BELOW 204D-1 204D-2 204D-3 204C/D-3B CONT'D 204C/D-4 CONT'D	DEC76 AUG78 AUG71 DEC84 DEC84 AUG85	00204-90005 00204-90005 00204-90002 00204-90021 00204-90022 00209-90011	MAR79 MAY75 FEB85 FEB85 NOV85	00204-90055 00204-99052* 00204-90221 00204-90222 00209-90211	8L	01	09	02	USE 204D FICHE 00204-90055
											OCT81 NOV69 WA SAFETY.SER BELOW 910-00273.GROUND CONTINUITY MODIFICATION DEC75 WN SAFETY.SHOCK POTENTIAL REVISIONS AUG81 WN ALL SER.MAN UPDATE TO LIST CORRECT PN FOR OUTPUT ATTEN ASSY AIR46 (5061-0760) AUG79 WA SER 204C,204C-H20:0989A18215 & BELOW;204D:1105A05485 & BELOW. MOD TO ACCEPT NEW TYPE BATTERIES (OPT 002 ONLY) OCT79 WN SAFETY.204C:0989A14605 & BELOW,204C-H20,OPT 02:0989A14855 & BELOW,204D:1105A02415 & BELOW.MOD TO IMPROVE SAFETY GRNDING
205A		OPER & SERV MAN	SEP70	00205-90010	JUN83	00205-90060	8L	01	09	01	
205A/AG		SERV NOTE SET BELOW 205A/AG-1B 205A/AG-2B 205A/AG-3 205A/AG-4 205A/AG-5	AUG67 - - - MAY65		JAN80 FREQ RANGE SWITCH REPLACEMENT REPL OUTPUT ATTEN INSTALLATION FREQ RANGE SWITCH REPLACEMENT CHANGE IN REPL DIODES REPL 6L6G(GLASS) WITH 6L6(METAL) FOR V5 AND V6						
205AG		OPER & SERV MAN OPER & SERV MAN	DEC70 DEC70	00205-90004 00205-90010	APR71 JUN83	00205-90054* 00205-90060	01 8L	09	02	01	USE 205AG FICHE 00205-90060
205AH		INSTRUCT & OPER MAN	JAN52	205AH-910	SEP80	5080-5631	8L	01	09	01	
207A		OPER INSTRUCTIONS OPER & SERV MAN MAN CHANGE BACKDATE	JAN00 DEC63 DEC63	00207-90008 207A-901 207A-901	JUN72 JUN73	00207-90502 207A-951	01 8L	21	01	09	01
207E		OPER & SERV MAN	DEC62	00207-90009	DEC81	00207-90505	8L	01	21	01	
207H		INST MAN MAN CHANGE SERV NOTE SET BELOW 207H-1	JAN00 NOV74	00207-90007 00207-90007	MAY83	5950-1968	8L	01	21	01	
											JAN80 JUN72 WO SER 635A THRU 1152A.REC REPL FOR Q300 IS 1850-0425
2070A		SERV NOTE SET BELOW 2070A-1	OCT72	WA ALL 2070A OPT 005 DATA LOGGERS WITH STORAGE	MAY76						
208A		OPER & SERV MAN MAN CHANGE	JUN70 OCT72	00208-90003 00208-90003	JUL81	00208-90053	8L	01	08	01	
209A		OPER & SERV MAN MAN CHANGE OPER NOTE INSTALL NOTE SERV NOTE SET BELOW	JUL76 JUL78 DEC84 AUG85	00209-90004 00209-90004 00209-90010 00209-90011	OCT78 FEB85 NOV85 JAN80	00209-90054 00209-90210 00209-90211	8L	01	09	02	

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3065		SERV NOTE 3065-1 3065-2 3065-3 3065-4 3065-5 3065-6 3065-7 3065-8 3065-9 3065-10 3065-11 3065-12 3065-13 3065-14 CONT'D 3065-15 3065-16 3065-17 3065-18 3065-19 3065-20 3065-21-S 3065-22 3065-23 3065-24 3065-25 3065-26 3065-27 3065-31-S
310A		OPER & SERV MAN CHANGE SERV NOTE 310A-1A 310A-2 310A-3 310A-4 310A-5 310A-6A 310A-7 310A-8 310A-9A 310A-10
312A		OPER & SERV MAN CHANGE SERV NOTE H01-312A-1 H05-312A- 312A-1 312A-2 312A-3 312A-4

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
209A		209A-1 209A-2 209A-3 209A-4 209A-5 209A-6 209A-7 209A-8	- APR69 JUL69 JAN70 JUN70 DEC75 OCT79	- WN WA WA WO WN WN	- REV FLATNESS CHECK SAFETY.SER 818-00951 THRU 818-01149.FRONT PANEL GROUNDING MODIFICATION SER 818-01777 + DOWN.A1CR12 REPLACMNT SER 818-02326 + DOWN.A2C1,A2C2 REPL SAFETY.REV TO MINIMIZE SHOCK POTENTIAL SAFETY.SER 1045A05846 & BELOW.MOD TO IMPROVE SAFETY GRNDING						
210A		OPER & SERV MAN SERV NOTE SET BELOW 210A-1A	JAN00	210A-501H	MAR71	210A-551H	01	09	01		
											JAN80 ADJ + TROUBLESHOOTING PROC

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312A/B/C/D		SERV NOTE S 312A/B/C/D- 312B/D-6 312B/D-7
312B		OPER & SERV MAN CHANGE
312C		OPER & SERV
312D		OPER & SERV MAN CHANGE

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

209A	209A-1	-	NOT AVAILABLE						
	209A-2		SER BELOW 818-00500.MOD TO IMPR PERF						
	209A-3	APR69	WN REV FLATNESS CHECK						
	209A-4	JUL69	WA SAFETY.SER 818-00951 THRU 818-01149.FRONT PANEL GROUNDING MODIFICATION						
	209A-5	JAN70	SER 818-01777 + DOWN.A1CR12 REPLACMNT						
	209A-6	JUN70	WO SER 818-02326 + DOWN.A2C1,A2C2 REPL						
	209A-7	DEC75	WN SAFETY.REV TO MINIMIZE SHOCK POTENTIAL						
	209A-8	OCT79	WN SAFETY.SER 1045A05846 & BELOW.MOD TO IMPROVE SAFETY GRNDING						
210A	OPER & SERV MAN SERV NOTE SET BELOW 210A-1A	JAN00	210A-501H	MAR71	210A-551H		01	09	01
		-	ADJ + TROUBLESHOOTING PROC						
211A	OPER & SERV MAN MAN CHANGE INSTALL MAN MAN CHANGE SERV NOTE SET BELOW	JUN66 JUN70 JAN69 NOV71	211A-901 211A-901 00211-90013 00211-90013	SEP74	211A-801		01	08	02
	211A-1	-	ALL SER.PARTS REPL						
	211A-2	-	SER BELOW 2563.MOD TO RED HUM + OVERSHOOT IN 75 OHM OUTPUT						
	211A-3	OCT65	SER BELOW 501-07789.IMPR LOW LEVEL OPERATION						
	211A-4	AUG66	SER BELOW 501-08814.V13 TUBE REC REPL						
211B	OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW	MAR71 DEC76	00211-90901 00211-90902	DEC75 JUN83	00211-90801* 00211-90802	8L	01	08	02
	211B-1	DEC71	WO SER 0817A.ASSY ERROR						
	211B-2	SEP72	WO SER 817 THRU 1218A. EXT SYNC WIRING ERROR						
	211B-3	DEC74	WO ALL SER.600 OHM OUTPUT IMPROVEMENT						
212A	OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW	MAY65 JAN62	00212-9001 212A-501A	OCT74 MAR77	00212-9002 00212-9003	8L	01	08	02
	212A-1	-	NOT AVAILABLE						
	212A-2A	MAR67	POWER LINE FILTER KIT						
	212A-3A	MAY67	SER BELOW 3388.REACTOR ASSEMBLY						
	212A-4	-	NOT AVAILABLE						
	212A-5B	MAY71	WO SER BELOW 4081.REC THYRATRON REPL						
	212A-6	-	PULSE LENGTH POTENTIOMETER REPL						
	212A-7B	APR65	SER BELOW 6275.REPL FAN KIT						
	212A-8	-	SER BELOW 7076.REPL FILTER CAPACITORS						
	212A-9B	-	SER BELOW 214-1152C.CAP REPL KIT						
213A	OPER & SERV MAN OPER INSTRUCT SERV NOTE SET BELOW	SEP61 JAN00	213A-900 00213-90500	SEP71 FEB78	213A-800 5951-6202	8L	01	08	01
	213A-1A	-	OUTPUT CONNECTOR-DIODE ASSY REPL						
213B	OPER & SERV MAN	JAN00	213B-901	FEB74	213B-801		01	08	01
214A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JUL68 NOV75 APR76	00214-90908 00214-90910 00214-90910	FEB73 MAR77	00214-90808* 00214-90810	8L	01	08	02
	214A-1	MAY64	SER BELOW 414-00851.MOD TO IMPR PROTECTION OF OUTPUT DIODES (KIT 00214-69501)						

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312A/B/C/D	SERV NOTE SET 312A/B/C/D-5 312B/D-6 312B/D-7
312B	OPER & SERV M MAN CHANGE
312C	OPER & SERV M
312D	OPER & SERV M MAN CHANGE
313A	OPER & SERV M MAN CHANGE
320A	INSTRUCT & OF
320B	INSTRUCT & OF
3200A	OPER & SERV M MAN CHANGE SERV NOTE SET 3200A-1 3200A-2 3200A-3/3200E
3200B	OPER & SERV M MAN CHANGE SERV NOTE SET 3200A-3/3200E 3200B-1 3200B-2 3200B-3 3200B-4 3200B-6
3205A	OPER & SERV M MAN CHANGE SERV NOTE SET 3205A-1
3211A	OPER & SERV M SERV NOTE SET 3211A-1
3212A	OPER & SERV M
3213A	OPER & SERV M
3214A	OPER & SERV M
3215A	OPER & SERV M
3216A	OPER & SERV M

214A

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
214A		214A-2	NOV65	SER BELOW 433.	IMPR HEAT DISSIPAT MOD						
		214A-3B	DEC66	SER BELOW 545-02126.	UPDATING MOD						
		214A-4A	JUN66	WN SER BELOW 550-02201.	MOD TO RED TRAILING EDGE OVERSHOOT						
		214A-5	FEB68	SER BELOW 722-04075.	MOD TO PREV LOSS OF TRIG CUTPT PULSES AT LOW LINE VOLTAGE						
		214A-6B	MAR69	WN ALL SER.CONV 50/60 FAN TO 50/60/400							
		214A-7	DEC68	SER BELOW 921.	LINE FILTR REPL KIT						
		214A-8	JUL74	WN ALL SER.PRODUCT SAFETY COMPLIANCE							
		214A-9	FEB75	WO ALL SER.IMPROVED 100V OPERATION							
214B		OPER & SERV MAN	MAR80	00214-90012	JUN80 00214-95012	8L	01	B1	03		
		SERV NOTE SET BELOW			JAN80						
		214B-1	DEC78	WA SER 1718600189 & BELOW.	REC VMOS POWER FET REPL & PROTECTION						
		214B-2	JUL79	WO SER 1846600321 & BELOW.	PWR SUPPLY MOD						
214B-001		OPER & SERV MAN	MAR80	00214-90012	JUN80 00214-95012	8L	01	B1	03		
214B-907		OPER & SERV MAN	MAR80	00214-90012	JUN80 00214-95012	8L	01	B1	03		
214B-908		OPER & SERV MAN	MAR80	00214-90012	JUN80 00214-95012	8L	01	B1	03		
214B-909		OPER & SERV MAN	MAR80	00214-90012	JUN80 00214-95012	8L	01	B1	03		
216A		OPER & SERV MAN	AUG66	00216-90902	APR71 00216-90802	01	08	02			
		MAN CHANGE	JUL69	00216-90902							
		SERV NOTE SET BELOW			JUL79						
		216A-1A	NOV69	WN SER BELOW 717-00450.	MOD TO IMPROVE COUNT-DOWN MV + RATE GENERATOR OPERATION						
		216A-2	MAR68	SER BELOW 820-00546.	HF PART 1850-0099.SUB TEXAS INSTR 2N964 FOR MOTOROLA 2N964						
218A		OPER & SERV MAN	JAN00	218A-501A	JUL80 00218-9005	8L	01	02	02	SERIAL 1 THRU 203	
		OPER & SERV MAN	MAR60	218A-501B	JUL80 00218-9007	8L	01	02	02	SER PFX 002 THRU 203	
		OPER & SERV MAN	JUN67	00218-9003	JUL80 00218-9004	8L	01	02	02	SER PFX 204 & ABOVE	
		SERV NOTE SET BELOW			MAY78						
		218A-1A	-	SER BELOW 01600226.	DELAY UNIT + LOCKOUT GATE CIR MOD TO IMPR COUNT + SYSTEM TRIG						
		218A-2A	-	SER BELOW 016-00465.	UPDATING MOD						
219A		OPER & SERV MAN	AUG69	00219-9004	APR71 00219-9005	01	02	02			
		INSTRUCT MAN	JAN64	00219-90006	APR81 00219-90020	8L	01	21	01		
219B		OPER & SERV MAN	AUG69	00219-9004	APR71 00219-9005	01	02	02			
		SERV NOTE SET BELOW			MAY78						
		219B-1A	DEC67	WO REC REPL FOR CR702 + CR706							
219C		OPER & SERV MAN	AUG69	00219-9004	APR71 00219-9005	01	02	02			
22		OPER & SERV MAN	JUN65	00022-91327	OCT74 00022-90057	01	11	01			
220A		SERV NOTE SET BELOW			MAY78						
		220A-1	MAR69	WO SER BELOW 909-00326.	OUTPUT SATURATION MODIFICATION						
221A		OPER NOTE	JAN71	00221-90902	FEB72 00221-90802	01	08	01			
		OPER NOTE CHANGE	JAN72	00221-90902							
		SERV NOTE SET BELOW			MAY78						
		221A-1	-	WO SER BELOW 927-00161.	MOD FOR IMPR PERF						
2210		SERV NOTE SET BELOW			MAY78						

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 3217A
 3221A
 325B
 3253A
 330B/C
 3300A
 3301A
 3302A
 3304A

SERV NOTE SET BELOW MAY78
 219B-1A DEC67 WO REC REPL FOR CR702 + CR706
 219C OPER & SERV MAN AUG69 00219-9004 APR71 00219-9005 01 02 02
 22 OPER & SERV MAN JUN65 00022-91327 OCT74 00022-90057 01 11 01
 220A SERV NOTE SET BELOW MAY78
 220A-1 MAR69 WO SER BELOW 909-00326.OUTPUT SATURATION MODIFICATION
 221A OPER NOTE JAN71 00221-90902 FEB72 00221-90802 01 08 01
 OPER NOTE CHANGE JAN72 00221-90902
 SERV NOTE SET BELOW MAY78
 221A-1 - WO SER BELOW 927-00161.MOD FOR IMPR PERF
 2210 SERV NOTE SET BELOW MAY78

3301A
 3302A
 3304A

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2210 2210-1 - REC REPL OF A2 CHOPPER STAB AMPLFR.NOT AVAILABLE
 2212A SERV NOTE SET BELOW MAY78
 2212A-1 MAY67 SER BELOW 644-.REC REPL FOR A3C17.
 2212A-2 AUG67 SER BELOW 644-.MOD RED ZERO DRIFT.
 2212A-3 SEP67 WO SER BELOW 730-.MOD STOP ERRONEOUS COUNT AT LOW TEMPERATURE
 2212A-4 NOV68 WA MOD TO SPEED UP OERLOAD RECOVERY
 2212A-5 NOV68 WA MOD RED PWR SUPPLY RIPPLE
 2212A-6 NOV68 WO PREFERRED REPLACEMENT TRANSISTORS
 2212A-7 JAN69 WO SER BELOW 748-.MOD ELIM OSCILLATION
 2212A-8 JAN69 WO SER BELOW 804-.MOD STOP LOCK-UP NEAR ZERO
 2212A-9 SEP69 WA MANUAL CORRECTION
 2212A-10 OCT71 WO A3 BRD DATE BELOW 1132-6.FREQ STABILITY AT LOW LINE VOLTAGES
 222A OPER & SERV MAN JUN68 00222-90904 JUN80 00222-90804 8L 01 08 02
 MAN CHANGE APR72 00222-90904
 SERV NOTE SET BELOW MAY78
 222A-1A OCT68 SER BELOW 607-00875.HF RESP IMPR MOD
 222A-2 FEB68 SER BELOW 740-01375.ADD DIODE FOR OUTPUT PROTECTION
 222A-3 OCT68 SER BELOW 842-01601.MOD TO IMPR REL
 222A-4A FEB69 WO SER BELOW 842-01635.MOD TO STRENGTHEN PULSE AMPLT SWTCH MOUNTING
 222A-5 JUL69 WO SER BELOW 928-01846.OUTPUT PULSE MOD
 226A OPER & SERV MAN DEC71 00226-90901 APR74 00226-90801 01 08 03
 MAN CHANGE AUG73 00226-90901
 230A INSTRUCT & OPER MAN JANDO 230A-910 AUG81 00230-91000 8L 01 09 01
 OPER & SERV MAN NOV68 00230-90038 JUL83 5951-6474 8L 01 21 01
 SERV NOTE SET BELOW MAY78
 230A-1 - IMPR DETENT ACTION OF BAND SWITCHER
 230A-2A - REPL PISTON CAP PROCEDURE
 230A-3A 1964 SER 727.INSTALL OF DETENT MOD KIT TO IMPR BANDSWTCH DETENT ACTION
 230A-4 MAR66 SER BELOW 525-1244.REPAIR STOP COLLAR ON FREQUENCY CONTROL SHAFT
 230A-5A - RF ALIGN;REPL TUBES,PISTONS;MOD;ADD OPERATING PRECAUTIONS + SERVICE INFORMATION
 230A-6 - REPL 00230-60024 CAPACITOR PISTONS
 230A-7 OCT68 ILLUSTRATED PARTS IDENTIFICATION
 230B OPER & SERV MAN AUG69 00230-90039 JUN83 00230-90042 8L 01 21 01
 MAN CHANGE JAN72 00230-90039
 2310C SERV NOTE SET BELOW MAY78
 2311A-1 MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS
 12723A-1 JAN73 MINIVERTER SERVICE KIT
 2311A SERV NOTE SET BELOW MAY78
 2311A-1 MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS
 12723A-1 JAN73 MINIVERTER SERVICE KIT
 2312A SERV NOTE SET BELOW MAY78
 2311A-1 MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS
 12723A-1 JAN73 MINIVERTER SERVICE KIT
 232 OPER & SERV MAN SEP81 03497-90012 NOV81 03497-90062* 8L 01 09 02 USE 3497A FICHE 03497-90065
 232A OPER & SERV MAN JUN61 232A-900 JUL75 232A-950 01 09 01

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 3304A
 3305A
 331A

3310A
 3310B

2311A-1	SERV NOTE SET BELOW	MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS	MAY78	
12723A-1		JAN73 MINIVERTER SERVICE KIT		
2311A	SERV NOTE SET BELOW	MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS	MAY78	
2311A-1		JAN73 MINIVERTER SERVICE KIT		
2312A	SERV NOTE SET BELOW	MAY71 WA 2311A SUBSYSTEMS SOFTWARE REFINEMENTS	MAY78	
2311A-1		JAN73 MINIVERTER SERVICE KIT		
232	OPER & SERV MAN	SEP81 03497-90012	NOV81 03497-90062*	8L 01 09 02 USE 3497A FICHE 03497-90065
232A	OPER & SERV MAN	JUN61 232A-900	JUL75 232A-950	01 09 01

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
232A		MAN CHANGE B INSTRUCT MAN MAN CHANGE SERV NOTE SET BELOW 232A-4	JAN63 JAN56 OCT73 OCT73	232A-900 00232-90015 00232-90015	JUL75 OCT80	232A-950 00232-91001		01 8L	09 01	01 01	
					APR79						
											WN ALL SER.MOD TO CONV FROM 20 TO 40 CHANNELS.SUPER 232A-1,-2,-3.
233A		OPER & SERV MAN MAN CHANGE MAN CHANGE B	MAY61 JAN64 JUN62	233A-910 233A-910 233A-910	APR71	233A-960		01	09	01	
234A		INSTRUCT & OPER MAN	JUL52	234A-501A	AUG72	5080-5651	8L	01	09	01	
235A		INSTRUCTION MAN	JAN00	00235-90501	JUN72	00235-90502		01	21	02	
236A		OPER & SERV MAN SERV NOTE SET BELOW 236A/AH-1 236A-2 236A-3 236A-4 CONTD	DEC76 - AUG76 JUL77 AUG80	00236-90006 NOT AVAILABLE WA SER 1107A06376 TO 1107A06773.PWR SWITCH REPAIR WA SER 1107A06375 & BELOW.IMPROVED PINS ON A-1 BOARD WA APPROX SERS 1107A07800 TO 1107A08100.FRONT COVER MOD TO PROPERLY TURN INSTR OFF WHEN COVER IS INSTALLED	FEB77 JAN81	00236-90056	8L	01	09	02	
236A-H01		OPER & SERV MAN MAN CHANGE	SEP70 MAY74	00236-90003 00236-90003	JUN75	00236-90053		01	09	01	
239A		OPER & SERV MAN SERV NOTE SET BELOW 239A-1 CONT'D 239A-2 239A-3	APR78 DEC78 DEC78 JUL80	00239-90000	JUN78 OCT80	00239-90050	8L	01	09	02	
											WA SAFETY.SER 1814A00100 THRU 1814A00226. PROC FOR CORRECTION OF WIRING OF GROUND SELECT SWITCH. WA SER 1814A00100 THRU 1814A00231. PROC FOR CORRECTION OF AMPLITUDE INSTABILITY. WA SER 1814A00805 & BELOW.SOLUTION TO INADEQUATE FREQ VERNIER OVERLAP
240A		OPER & SERV MAN	DEC65	00240-90010	JAN82	5951-6467	8L	01	21	01	
2401A		OPER & SERV MAN BACKDATING SUPP	JUL63 DEC63	02401-9029 02401-9029	AUG75	5080-5794	8L	01	22	04	
2401B/C		SERV NOTE SET BELOW 2401B/C-1 2401B/C-2 CONT'D 2401C-3 2401C-4 2401C-5 2401C-6 2401C-7 2401C-8 2401C-9 2401C-10 2401A/B/C-11/2402A-5/2411A-1/2460A-4	- NOV65 APR66 SEP67 NOV67 JAN68 OCT68 OCT68 JUN69 OCT70 MAY71	NOT AVAILABLE 2401B SER 444-01536 + UP.2401C SER BELOW 526-00221.CHANGE RESIST VALVE TO STOP OCCASIONAL HANGUP OF DY-2010 SYSTEM SER BELOW 605-.MOD STOP CHANGES IN DISPLAY DURING RESET WA SER BELOW 739-.ADD RESIST ASSURE ADEQUATE PRINT COMMAND WHEN DRIVING 2116A COMPUTER WO SER BELOW 735-.PREF REPL LINE FILTER WO SER BELOW 739-.MOD STOPS OSCIL + +12V POWER SUPPLY (CAUSING +2 NOISE COUNT) WO OSCIL POWER SUPPLIES WA SER BELOW 751-02187 MODEL 2401C-M31.MOD STOP AUTO-RANGE FAIL AT HI AMBIENT TEMP WO SER BELOW 811-02568.REC TRANS REPL WO SER BELOW 1020A02897.REC REPL TRANS A44Q5 WN INST STORAGE PRECAUTION	MAY78						
2402A		SERV NOTE SET BELOW 2402A-2 2402A-3	- -		MAY78						ALL SER.POS DAMG TO MOTHER BOARD WHEN USING FREQ OPT TO MEAS LINE FREQ.NOT AVAILABLE CHOPPER ASSEMBLY PN CHANGE.NOT AVAIL.

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33108

3311A

3312A

3314A

332A

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183C);SER

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11/08/85
MODEL

2401C-4 SEP67 WA SER BELOW 739-.ADD RESIST ASSURE ADEQUATE PRINT COMMAND WHEN DRIVING 2116A COMPUTER
 2401C-5 NOV67 WO SER BELOW 735-.PREF REPL LINE FILTER
 2401C-6 JAN68 WO SER BELOW 739-.MOD STOPS OSCIL + +12V POWER SUPPLY (CAUSING +2 NOISE COUNT)
 2401C-7 OCT68 WO OSCIL POWER SUPPLIES
 2401C-8 OCT68 WA SER BELOW 751-02187 MODEL 2401C-M31.MOD STOP AUTO-RANGE FAIL AT HI AMBIENT TEMP
 2401C-9 JUN69 WO SER BELOW 811-02568.REC TRANS REPL
 2401C-10 OCT70 WO SER BELOW 1020A02897.REC REPL TRANS A44Q5
 2401A/B/C-11/2402A-5/2411A-1/2460A-4 MAY71 WN INST STORAGE PRECAUTION

2402A SERV NOTE SET BELOW MAY78
 2402A-2 - ALL SER.POS DAMG TO MOTHER BOARD WHEN USING FREQ OPT TO MEAS LINE FREQ.NOT AVAILABLE
 2402A-3 - CHOPPER ASSEMBLY PN CHANGE.NOT AVAIL

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
2402A		2402A-4 2401A/B/C-11/2402A-5/2411A-1/2460A-4 2402A-6	NOV69 MAY71	WN WN	FIELD INSTALLATION OF OPT 11.SUPER INSTRUMENT STORAGE PRECAUTION	2402A-1					
241A		OPER & SERV MAN SERV NOTE SET BELOW 241A-1 241A-2A-S	DEC72	00241-90005	FEB73 APR79	00241-90055	01	09	02		
2410A		SERV NOTE SET BELOW 2410A-1 2410A-2	NOV65 JAN68		MAY78 REPL OF AC/DC CONVERTER ASSY						
2410B		SERV NOTE SET BELOW 2410B-1	JAN68	WN	MAY78 SER BELOW 750-01216.PREF REPL FOR K23						
2411A		SERV NOTE SET BELOW 2401A/B/C-11/2402A-5/2411A-1/2460A-4	MAY71	WN	MAY78 INSTRUMENT STORAGE PRECAUTION						
245C		INSTRUCT MAN	JUN63	00245-90012	NOV77	5951-6204	8L	01	21	01	
245D		INSTRUCT MAN	JUN63	00245-90012	NOV77	5951-6204	8L	01	21	01	
2460A		SERV NOTE SET BELOW 2460A-1 2460A-2 2460A-3 2401A/B/C-11/2402A-5/2411A-1/2460A-4	SEP63 - - MAY71	SER BELOW 00166.CHOPPER AMP BRD MOD MOD TO 2460A CONNECTOR KIT NOT AVAILABLE WN	MAY78						
2470A		SERV NOTE SET BELOW 2470A-1 2470A-2 2470A-3 2470A-4 2470A-5 2470A-6 2470A-7	AUG67 SEP67 OCT68 OCT68 - NOV68 SEP69	SER BELOW 644-.MOD RED ZERO DRIFT WO SER BELOW 732-.MOD STOP OSCIL LO TEMP WO OSCIL TURN-ON + LO AMBIENT TEMP WA MOD SPEEP UP OVERLOAD RECOVERY - IMP RIPPLE + REGLTS FOR +18 VOLT SUPPLY.NOT AVAILABLE WO MOD RED PWR SUPPLY RIPPLE WA MAN CORREC PREAMP INT ZERO SETUP	MAY78						
25A		OPER & MAINT MAN MAN CHANGE	JAN00 FEB66	00025-91339 00025-91339	OCT74	00025-90059	01	11	01		
250A		OPER & SERV MAN INSTRUCTION MAN TEST & ALIGN PROCDS SERV NOTE SET BELOW 250A-1	JAN64 JAN64 JAN00	00250-90033 00250-90033 NONE	OCT70 NOV78	00250-90040* 5951-6205	01 8L	21 01	01 02	USE 250A FICHE 5951-6205	
250B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 250B-1 250B-2	MAR68 DEC77 APR69 SEP69	00250-90037 00250-90037 WO RF TRANS REPLACEMENTS WO SER 737.MOD TO PREVENT POWER SUPPLY TURN ON SURGES	FEB85	00250-90041	8L	01	21	02	

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250A	OPER & SERV MAN INSTRUCTION MAN TEST & ALIGN PROCDS SERV NOTE SET BELOW 250A-1	JAN64 00250-90033 JAN64 00250-90033 JAN00 NONE	OCT70 00250-90040* NOV78 5951-6205	01 21 01 USE 250A FICHE 5951-6205 8L 01 21 02
			MAY78 - SHAFT STOP MODIFICATION	
250B	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 250B-1 250B-2	MAR68 00250-90037 DEC77 00250-90037	FEB85 00250-90041	8L 01 21 02 MAY78 APR69 WO RF TRANS REPLACEMENTS SEP69 WO SER 737.MOD TO PREVENT POWER SUPPLY TURN ON SURGES

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
2509A		SERV NOTE BELOW 2509A-1	AUG65	SER BELOW 433-.MOD TO CORREC TIME ERROR CIRCUIT FAILURE	MAY78						
2545A		SERV NOTE SET BELOW 2545A-1 2545A-2 2545A-3A 2545A-4	- - MAY67 JUN65	NOT AVAILABLE NOT AVAILABLE SER BELOW 405-.REMOVE CAPACITOR TO ELIM INTERMITTENT EXTRA CHARACTERS (ZEROS) SER BELOW 405-00092.MOD EARLY 2545'S FOR COMPAT WITH 2401B INTEGRAT DIGITAL VOLTMETR	MAY78						
2545C		SERV NOTE SET BELOW 2545C-1 2545C-2	MAY67 FEB69	LUB INSTRUCT FOR BRPE-11 TAPE PUNCH WN ILLUSTR PRTS LISTING CEC 500 SERIES DRIVE UNIT	MAY78						
2546		SERV NOTE SET BELOW 2546-1	SEP67	WN PROC READ 200 BPI TAPE RECORD, CHARACTER BY CHARACTER	MAY78						
2547A		SERV NOTE SET BELOW 2547A-1 2547A-2 2547A-3	NOV68 FEB69 JUL71	WO A12 REV CODE E-747-6.MOD IMPR REL WA A16 REV CODE BELOW E-747-6.ERRONEOUS CHARACTER REC WO INCORREC DATA TRANSFER.2570/2575A COUPLER CONTROLLERS	MAY78						
2570A		SERV NOTE SET BELOW 2570A-1/2575A-1 2570A-2/2575A-2	DEC70 DEC72	WN SPECIAL WARNING WHEN REMOVING CALCULATOR I/O CARD FROM 2570A OR 2575A COUPLR/CNTRL WN REPL PHOTON COUPLD DIODES	MAY78						
2575A		SERV NOTE SET BELOW 2570A-1/2575A-1 2570A-2/2575A-2	DEC70 DEC72	WN SPECIAL WARNING WHEN REMOVING CALCULATOR I/O CARD FROM 2570A OR 2575A COUPLR/CNTRL WN REPL PHOTON COUPLD DIODES	MAY78						
2590B		SERV NOTE SET BELOW 2590B-1A	MAY67	SER BELOW 710-.MOD RED 30 MHZ SIGNAL AT AUDIO OUTPUT JACK	MAY78						
260A		INSTRUCTION MAN MAN CHANGE SERV NOTE SET BELOW 260A-1	JAN00 FEB73	00260-90018 00260-90018	JUL73	00260-90021	01	21	02		
			-	ALL SER.PWR SUPPLY MOD TO RED INPT CONDUCTANCE	MAY78						
275A		INSTRUCT MAN	JUN60	00275-90007	JAN82	00275-90008	8L	01	21	01	
2801A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 2801A-1 2801A-2	JAN69 JAN77 AUG76 AUG76	02801-9039 02801-9039	NOV77	02801-98039	8L	01	38	03	
					OCT78						
2802A		OPER & SERV MAN SERV NOTE SET BELOW 2802A-1 2802A-2	JUN77	02802-90004	NOV77	02802-90005	8L	01	38	01	
					OCT78						
28023A		SERV NOTE SET BELOW 28023B-1A	-	NOT AVAILABLE	MAY78						
28035A		SERV NOTE SET BELOW			MAY78						

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3325A

3325A-E04

3326A

333A

3330A

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28075A		28075A-1	JAN74	ALL SER. PWR SUPPLY MOD TO RED INPT CONDUCTANCE							

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2802A OPER & SERV MAN JUN77 02802-90004 NOV77 02802-90005 8L 01 38 01
SERV NOTE SET BELOW OCT78
2802A-1 JUL75 WA ALL SER.MOD TO PREVENT DIFF IN READINGS-NORMAL & EXPANDED RANGES
2802A-2 JAN76 WN ALL SER.18641A,18642A,18643A PROBE LKG AT HI HUMIDITY

28023A SERV NOTE SET BELOW MAY78
28023B-1A - NOT AVAILABLE

28035A SERV NOTE SET BELOW MAY78

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

28035A 28035A-1 JAN74 ALL SER.REC SPARE PARTS FOR THREE LEVELS OF REPAIR

28036A SERV NOTE SET BELOW MAY78
28036A-1 DEC73 ALL SER.REC SPARE PARTS FOR THREE LEVELS OF REPAIR

28037A SERV NOTE SET BELOW MAY78
28037A-1 SEP73 ALL SER.REC SPARE PARTS FOR THREE LEVELS OF SYSTEM REPAIR

28039A SERV NOTE SET BELOW MAY78
28039A-1 JUN74 ALL SER.REC SPARE PARTS FOR THREE LEVELS OF REPAIR

2804A OPER & SERV MAN MAN CHANGE JUL80 02804-90001 AUG84 02804-90002 8L 01 02 03
SERV NOTE SET BELOW JUL83 02804-90001 APR80
2804A-1 DEC78 WO SER 1744A00277 & BELOW.MOD TO CORRECT EO1 LINE WITH HP-IB.
2804A-2 AUG79 WA ALL SER.MOD TO PREVENT RANDOM RESET
2804A-3 SEP79 WN ALL SER.INSTRUCTS FOR FIELD INSTALL OF OPT 010 (HP-IB)

28048A SERV NOTE SET BELOW MAY78
28048A-1 OCT73 ALL SER.REC SPARE PARTS FOR THREE LEVELS OF SYSTEM REPAIR

28084A SERV NOTE SET BELOW MAY78
28084A-1 - NOT AVAILABLE
28084A-2 - NOT AVAILABLE

281A OPER NOTE FEB73 00281-90016 MAR73 00281-90017* 01 04 01 USE 281A FICHE 00281-90042
OPER & SERV MAN JUL80 00281-90041 OCT80 00281-90042* 8L 01 04 01 USE 281A FICHE 00281-90046
OPER & SERV MAN MAR84 00281-90045 MAY84 00281-90046 8L 01 04 01

281B OPER NOTE FEB73 00281-90016 MAR73 00281-90017* 01 04 01 USE 281B FICHE 00281-90042
OPER & SERV MAN JUL80 00281-90041 OCT80 00281-90042* 8L 01 04 01 USE 281B FICHE 00281-90046
OPER & SERV MAN MAR84 00281-90045 MAY84 00281-90046 8L 01 04 01

2811B OPER & SERV MAN MAN CHANGE NOV76 02811-90031 SEP84 02811-90032 8L 01 02 02
SERV MAN JUN84 02811-90031
OPER NOTE AUG77 02811-90043 JUL84 02811-90044 8L 01 38 01
APR75 02811-90039 APR85 02811-90040 8L 01 38 01

2813B OPER & SERV MAN MAY84 02813-90067 JUL84 02813-90068 8L 01 02 03

2813C OPER & SERV MAN MAN SUPP FEB85 02813-90063 MAY85 02813-90064 8L 01 02 03
FEB85 02813-90065 MAY85 02813-90069 8L 01 02 01

2813D OPER & SERV MAN MAN SUPP FEB85 02813-90063 MAY85 02813-90064 8L 01 02 03
FEB85 02813-90065 MAY85 02813-90069 8L 01 02 01

2816A SERV NOTE SET BELOW OCT78
2816A-1 FEB77 WO SER BELOW 1312A00161.POT PWR SUPPLY OSC PROBLEM
2816A-2 FEB77 WO SER BELOW 1312A00186.IMPR IN OUTPUT WAVEFORM TO PREVENT DOUBLE-COUNTS

2901A SERV NOTE SET BELOW MAY78
2901A-1 SEP67 WO SER BELOW 534-00298.MOD STOP ACCIDENTAL CHNL SKIP DUE TO NOISE

2901B SERV NOTE SET BELOW MAY78
2901B-1 SEP67 WO SER BELOW 534-00298.MOD STOP ACCIDENTAL CHNL SKIP DUE TO NOISE

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3330A

3330B

33311B

33311C

33330B/C

3335A

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2911B SERV NOTE SET BELOW MAY78

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2816A	SERV NOTE SET BELOW 2816A-1 2816A-2		OCT78 FEB77 WO SER BELOW 1312A00161.POT PWR SUPPLY OSC PROBLEM FEB77 WO SER BELOW 1312A00186.IMPR IN OUTPUT WAVEFORM TO PREVENT DOUBLE-COUNTS
2901A	SERV NOTE SET BELOW 2901A-1		MAY78 SEP67 WO SER BELOW 534-00298.MOD STOP ACCIDENTAL CHNL SKIP DUE TO NOISE
2901B	SERV NOTE SET BELOW 2901B-1		MAY78 SEP67 WO SER BELOW 534-00298.MOD STOP ACCIDENTAL CHNL SKIP DUE TO NOISE

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
2911B		SERV NOTE SET BELOW 2911B-1 2911B-2B 2911B-3			MAY78 AUG65 JUN66 APR67	SER BELOW 437-.MOD ASSURE PROPER TIMED START SER BELOW 509-.MOD STOP RANDOM CHNL SKIPPING SER BELOW 630-00243.MOD PERMIT REMOTE STARTING + RESETTING WHEN OPER 2515A SCANNER					
2911C		SERV NOTE SET BELOW 2911C-1			MAY78 JUN65	MOD ELIM FAULT SKIP CODE					
2922A		SERV NOTE SET BELOW 2922A-1			MAY78 SEP70	WO SER BELOW 822-00148.MOD TO INCREASE REED HOLDING CURRENT					
2930A		SERV NOTE SET BELOW 2930A-1 2930A-2 2930A-3 2930A-4 12722A-2			MAY78 DEC69 SEP70 NOV72 MAR73 JUN74	RUNNING TIME INDICATORS SER BELOW 1010A.MOD ENCODE + FLAG CONTROL BOARD, A20 ALL SER.REPL PHOTON COUPLD DIODES A19 SER 1118A00141 TO 1118A00160.MOD TO STOP ERRONEOUS OVERLOAD ALL SER.UPDATE OF SERV KIT.SUPER 1272 2A-1					
29400		SERV NOTE SET BELOW 29400-1 29400-2			OCT79 MAY74 OCT74	INSTRUMENT SLIDE FAILURE INSTRUMENT SLIDE ALIGNMENT					
297A		OPER & SERV MAN MAN CHANGE			SEP68 NOV68	00297-902 00297-902	FEB78	00297-952	8L	01	09 01
3S		OPER & SERV MAN			FEB66	00003-91330	FEB81	5951-6450	8L	01	11 01
3S X-Y REC		SERV NOTE SET BELOW 3S-1			MAY78 FEB66	ILLUSTRATED PARTS IDENTIFICATION					
300A		OPER & SERV MAN			NOV55	300A-910	FEB84	300A-960	8L	01	09 02
302A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW 302A-1B 302A-2 302A-3 302A-4A 302A-5			OCT72 JUL75 JAN00 MAY78 MAR74 MAR64 - JUL71 JUN74	00302-90005 00302-90005 00302-92004 WO ALL SER.CRYSTAL FILTER TUNING SER DOWN 412-03776,EXCPT SER 149.MOD FOR USE WITH GROUNDED INPUT RECORDERS ILLUSTR PRTS IDENTIFICATION WO SER BELOW 741-05976.PILOT LAMP REPL WO ALL SER.CRYSTAL SET REPLACEMENT	FEB85	00302-90055	8L	01	09 03
3029		SERV NOTE SET BELOW 3029-1 3029-2 3029-3 3029-4			MAY78 MAR67 MAR67 MAR67 MAY67	SER BELOW 130.PROC STOP VACUUM MOTOR BURNOUT SER BELOW 130.MOD IMPR LIFE EXPECT OF OPER CNTR PANEL DENSITY LIGHTS. SER BELOW 130.MOD ELIM HEAD COVER INTERFERENCE ALL SER.ADJ REWIND JO6 MULTIPOTENTIOMETERS					
3030		SERV NOTE SET BELOW 3030-1 3030-2 3030-3 3030-4 3030-5			MAY78 APR67 APR67 APR67 MAY67 AUG67	SER BELOW 251.PROC STOP VACUUM MOTOR BURNOUT SER BELOW 237.MOD IMPR LIFE EXPECT OF OPER CNTRL PANEL DENSITY LIGHTS SER BELOW 241.MOD ELIM HARD COVER INTERFERENCE ALL SER.ADJ REWIND JO6 MULTIPOTENTIOMETERS ALL SER.ADJ RED AMP GAIN SETTING					

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3335A-10A
3336A

3336A/B/C

3336B

3336C

334-10B
334A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3030		3030-6 3030-7 3030-8			SEP67 OCT67 MAR68	SER BELOW 290.MOD STOP DROP REWIND STATUS SER BELOW 322.MOD STOP NOISE REWIND SER BELOW 330.MOD IMPR TAPE STOP TIME					

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334A

3030

SERV NOTE SET BELOW

3030-1
3030-2
3030-3
3030-4
3030-5APR67
APR67
APR67
MAY67
AUG67MAY78
SER BELOW 251.PROC STOP VACUUM MOTOR BURNOUT
SER BELOW 237.MOD IMPR LIFE EXPECT OF OPER CNTRL PANEL DENSITY LIGHTS
SER BELOW 241.MOD ELIM HARD COVER INTERFERENCE
ALL SER.ADJ REWIND JO6 MULTIPOTENTIOMETERS
ALL SER.ADJ RED AMP GAIN SETTING

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3030

3030-6
3030-7
3030-8
3030-9
3030-10
3030-11
3030-12
3030-13SEP67
OCT67
MAR68
APR68
-
SEP68
-
AUG69SER BELOW 290.MOD STOP DROP REWIND STATUS
SER BELOW 322.MOD STOP NOISE REWIND
SER BELOW 330.MOD IMPR TAPE STOP TIME
SER BELOW 384.MOD DEC VACUUM SYSTEM BACK PRESSURE
NOT AVAILABLE
ERASE HEAD ADJ PROCEDURE
NOT AVAILABLE
SER BELOW 846.MOD IMPR FRONT DOOR

3040A

OPER NOTE
OPER NOTEMAR75
APR8303040-90002
03040-90003MAY75
JUN8303040-90052*
03040-9005301 09 01
8L 01 A1 01

USE 3040A FICHE 03040-90053

3041A

OPER NOTE

OCT72

03041-90000

APR73

03041-90050

01 09 01

3042A

PROG & SERV MAN
SUPP B OPTS 121/122
INSTALL MAN
OPER & PROG MAN
SYS PRE-STUDY MAN
OPER & PROG MAN
SERV NOTE SET BELOW
3042A-1
3042A-2SEP72
APR74
APR76
FEB77
AUG76
JUL79
NOV76
JUN8003042-90010
03042-90030
03042-90203
03042-90204
03042-90207
03042-90244
WN ALL SER.3042A WITH
WN ALL SER.TRBLSHTNG TIPS FOR SWEEP PROBLEMS

JUL74

03042-90050

01 09 02
01 09 01
01 09 02
8L 01 09 01
8L 01 09 02
8L 01 09 02
8L 01 09 03
OCT80USE 3042A FICHE 03042-90253
(9825A CONTROLLER)
(9825A CONTROLLER)

3042A-121

PROG & SERV MAN
SUPP B OPTS 121/122SEP72
APR7403042-90010
03042-90030

JUL74

03042-90050

01 09 02

3042A-122

PROG & SERV MAN
SUPP B OPTS 121/122SEP72
APR7403042-90010
03042-90030

JUL74

03042-90050

01 09 02

3042A-123

PROG & SERV MAN
MAN CHANGEAPR74
JAN7603042-90036
03042-90036

AUG77

03042-90056

8L 01 09 01

(9830A CONTROLLER)

3042A-124

PROG & SERV MAN
MAN CHANGEAPR74
JAN7603042-90036
03042-90036

AUG77

03042-90056

8L 01 09 01

(9830A CONTROLLER)

3043A

PROG & SERV MAN
PROG & SERV MANJAN74
JAN7403043-90000
03043-90030

JUL74

03043-90050

01 09 02

3044A

OPER NOTE

JAN00

03044-90000

FEB85

03044-90050

8L 01 09 01

3045A

INSTALL MAN
OPER & PROG MAN
REV PAGES NO 1
REV PAGES NO 2
REV PAGES C
SYS PRE-STUDY MAN
SERV NOTE SET BELOW
3045A-1AAPR76
SEP76
MAR77
JAN78
NOV78
AUG76
JUN8003042-90203
03045-90203
03045-90203
03045-90203
03045-90203
03045-90206
WN ALL SER.TRBLSHTNG TIPS FOR SWEEP PROBLEMSDEC76
MAR79
JUL77
OCT8003042-90250
03045-90250
03045-902518L 01 09 01
8L 01 09 02
8L 01 09 02

(9825A CONTROLLER)

3046A

OPER MAN

NOV81

03046-90000

DEC81

03046-90050

8L 01 09 04

3046B

OPER MAN

NOV81

03046-90000

DEC81

03046-90050

8L 01 09 04

3047A

SYST INSTALL MAN

NOV81

03047-90001

JUL82

03047-90051

8L 01 A1 01

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MODEL
NUMBERO
C

334A

335B

3380B

339A

340A

340B

3400A

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3047A

MAN CHANGE
SYS OPER MAN
SYS REF MANMAY82
JAN82
DEC8103047-90001
03047-90002
03047-90003JUL82
DEC82
DEC8203047-90051
03047-90052
03047-900538L 01 A1 01
8L 01 A1 04
8L 01 A1 0611/08/85
MODEL
NUMBERO
C

3400A

3046A	OPER MAN	NOV81 03046-90000	DEC81 03046-90050	8L 01 09 04
3046B	OPER MAN	NOV81 03046-90000	DEC81 03046-90050	8L 01 09 04
3047A	SYST INSTALL MAN	NOV81 03047-90001	JUL82 03047-90051	8L 01 A1 01

3400A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3047A	MAN CHANGE SYS OPER MAN SYS REF MAN	MAY82 03047-90001 JAN82 03047-90002 DEC81 03047-90003	JUL82 03047-90051 DEC82 03047-90052 DEC82 03047-90053	8L 01 A1 01 8L 01 A1 04 8L 01 A1 06
3047A-036	SYS INSTALL MAN SYS OPER MAN SYS REF MAN	JUL82 03047-90011 JUL82 03047-90012 AUG82 03047-90013	DEC82 03047-90061 DEC82 03047-90062 DEC82 03047-90063	8L 01 A1 01 8L 01 A1 04 8L 01 A1 06
3050A	PROG & SERV MAN SUPP B CASSETTE OP SERV NOTE SET BELOW	AUG73 03050-90000 JAN74 03050-90000	AUG74 03050-90050	01 09 01
	3050A-1 3050A-2 3050A-3A 3050A-4A 3050A-5B 3050A-6 3050A-7 3050A-8	NOV73 WN ALL SER.TROUBLESHOOTING AUG74 WN L + N SCANNER INTERCONNECTIONS. MAR75 WN L + N MECH PN FOR 2740 SCANNER MAR75 WN L + N ELECT PN FOR 2740 SCANNER OCT77 WN L + N 2740 SCANNER.HP TO L + N PN CROSS REFERENCE AUG74 WN LEADS + NORTHRUP OFFICES MAR75 WN ALL SER.MODEL 3050A.L + N SCANNER LOCKUP WITH 9830A CALCULATOR MAR75 WN ALL SER.3490A INTERMITTENTLY LOCKS UP HP-1B	JUL80	
3050A-021	PROG & SERV MAN SUPP B CASSETTE OP	AUG73 03050-90000 JAN74 03050-90000	AUG74 03050-90050	01 09 01
3050A-022	PROG & SERV MAN SUPP B CASSETTE OP	AUG73 03050-90000 JAN74 03050-90000	AUG74 03050-90050	01 09 01
3050A-023	PROG & SERV MAN	JAN74 03050-90002	JUL74 03050-90052	01 09 02
3050A-024	PROG & SERV MAN	JAN74 03050-90002	JUL74 03050-90052	01 09 02
3050B	OPER & PROG MAN REV PAGES NO 1 SYS PRE-STUDY MAN INSTALL MAN MAN CHANGE OPER & PROG MAN REV PAGES NO 1 SYS PRE-STUDY MAN SERV NOTE SET BELOW 3050B-1	FEB76 03050-90200 MAR76 03050-90200 JAN76 03050-90201 JAN76 03050-90203 APR76 03050-90203 JUL76 03050-90223 AUG76 03050-90223 JUL76 03050-90226 MAR75 WN ALL SER.MODEL 3050B.3490A INTERMITTENTLY LOCKS UP HP-1B	SEP77 03050-90250 DEC76 03050-90251 DEC76 03050-90252 JUL77 03050-90253 AUG77 03050-90254 JUL80	8L 01 09 01 (9830A CONTROLLER) 8L 01 09 02 (9830A CONTROLLER) 8L 01 09 01 8L 01 09 03 (9825A CONTROLLER) 8L 01 09 02 (9825A CONTROLLER)
3051A	SYS PRE-STUDY MAN OPER & PROG MAN USER'S MAN	MAR77 03051-90006 JUN77 03051-90003 OCT77 03051-90013	JUL77 03051-90050 JUL77 03051-90051 SEP85 03051-90052	8L 01 09 02 (9815A CONTROLLER) 8L 01 09 03 (9815A CONTROLLER) 8L 01 09 01
3052A	INSTALL MAN OPER & PROG MAN REV PAGES A REV PAGES B REV PAGES C REV PAGES D SYS PRE-STUDY MAN OPER & PROG MAN INST MAN OPER & PROG MAN	SEP76 03052-90003 FEB77 03052-90004 FEB77 03052-90004 JUL77 03052-90004 AUG77 03052-90004 FEB78 03052-90004 OCT76 03052-90032 AUG78 03052-90037 FEB79 03052-90203 MAR79 03052-90504	FEB77 03052-90050* APR78 03052-90051 APR77 03052-90053 NOV78 03052-90056 SEP83 03052-90250 JUN79 03052-90551	8L 01 09 01 USE 3052A FICHE 03052-90250 8L 01 09 04 (9825A CONTROLLER) 8L 01 09 02 (9825A CONTROLLER) 8L 01 09 04 (9845A CONTROLLER) - VOL IA 8L 01 09 01 8L 01 09 04 (9835B CONTROLLER)

11/08/85 MODEL NUMBER O C

3400A

3403A

3403B

3403C

3406A

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 115

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3052A	QUICK REF GUIDE	MAR79 03052-90506	MAY79 03052-90553	8L 01 09 01 (9835B CONTROLLER)
3052A-500	OPER & PROG MAN	FEB79 03052-90204	MAY79 03052-90251	8L 01 09 04 (9835A CONTROLLER)
3054A	SERV NOTE SET BELOW		OCT85	

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3406A

3410A

REV PAGES D	FEB78 03052-90004	APR77 03052-90053	8L 01 09 02 (9825A CONTROLLER)
SYS PRE-STUDY MAN	OCT76 03052-90032	NOV78 03052-90056	8L 01 09 04 (9845A CONTROLLER) - VOL IA
OPER & PROG MAN	AUG78 03052-90037	SEP83 03052-90250	8L 01 09 01
INST MAN	FEB79 03052-90203	JUN79 03052-90551	8L 01 09 04 (9835B CONTROLLER)
OPER & PROG MAN	MAR79 03052-90504		

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3052A		QUICK REF GUIDE	MAR79	03052-90506	MAY79	03052-90553	8L	01	09	01	(9835B CONTROLLER)
3052A-500		OPER & PROG MAN	FEB79	03052-90204	MAY79	03052-90251	8L	01	09	04	(9835A CONTROLLER)
3054A		SERV NOTE SET BELOW 3054A-1 3054A-2	AUG81	WN ALL SER.PROG	OCT85	MOD TO PREVENT 3054A/DL (85A) HANGUP					
			MAY85	WN ALL SER.MOD		TO ALLOW VERIF OF FET MULTIPLEXER ASSY					
3054A(85A)		INTRO USERS GUIDE	SEP80	03054-90201	MAR81	03054-90251*	8L	01	09	02	USE 3054A(85A) FICHE 03054-90256
		OPER & PROG MAN	OCT80	03054-90202	MAR81	03054-90252*	8L	01	09	05	USE 3054A(85A) FICHE 03054-90257
		INTRO USERS GUIDE	MAR81	03054-90206	NOV83	03054-90256	8L	01	09	02	
		MAN CHANGE	AUG83	03054-90206							
		OPER & PROG MAN	MAR81	03054-90207	JUN82	03054-90257*	8L	01	09	05	USE 3054A(85A) FICHE 03054-90258
		OPER & PROG MAN	OCT83	03054-90208	DEC83	03054-90258	8L	01	09	05	
3054A(9825B)		INTRO USERS GUIDE	OCT80	03054-92501	MAR81	03054-92551	8L	01	09	02	
		OPER & PROG MAN	NOV80	03054-92502	JAN82	03054-92552	8L	01	09	05	
		REV A	NOV81	03054-92502							
3054A(9826)		OPER & PROGRAM MAN	NOV81	03054-92607	DEC81	03054-92657	8L	01	09	04	(HPL)
		INTRO USER'S GUIDE	FEB82	03054-92616	MAR82	03054-92666	8L	01	09	02	
		OPER & PROG GUIDE	MAR82	03054-92617	JUN82	03054-92667*	8L	01	09	05	USE 3054A(9826) FICHE 03054-92668
		OPER & PROG MAN	JUN83	03054-92618	DEC84	03054-92668	8L	01	09	05	
		MAN CHANGE - A	NOV84	03054-92618							
3054A(9835A)		INTRO USERS GUIDE	APR80	03054-93501	MAY80	03054-93551*	8L	01	09	02	USE FICHE 3054A(9835A) 03054-93556
		SYST OPER/PROG MAN	JUL80	03054-93502	JAN82	03054-93552	8L	01	09	05	
		MAN CHANGE	NOV80	03054-93502							
		REV A	NOV81	03054-93502							
		INTRO USERS GUIDE	NOV80	03054-93506	MAR81	03054-93556	8L	01	09	02	
3054A(9845B)		INTRO USERS GUIDE	APR80	03054-94501	MAY80	03054-94551*	8L	01	09	02	USE 3054A(9845B) FICHE 03054-94556
		INTRO USERS GUIDE	AUG80	03054-94506	NOV80	03054-94556	8L	01	09	02	
		OPER & PROG MAN	AUG80	03054-94502	JAN82	03054-94552	8L	01	09	05	
		MAN CHANGE	OCT80	03054-94502							
		REV A	NOV81	03054-94502							
3054A***		INTRO USER GUIDE	NOV81	03054-92606	JAN82	03054-92656	8L	01	09	02	9826 HPL
3054A-802		OPER & PROG MAN	APR85	03054-92620	SEP85	03054-92670	8L	01	09	05	
3054C(1000)		OPER & PROG MAN	MAR81	03054-90008	JUL82	03054-90058*	8L	01	09	04	USE 3054C(1000) FICHE 03054-90068
		OPER & PROG MAN	JUL82	03054-90018	SEP82	03054-90068*	8L	01	09	04	USE 3054C(1000) FICHE 03054-90074
		OPER & PROG MAN	FEB85	03054-90024	MAY85	03054-90074	8L	01	09	04	
3054DL		OPERATORS HANDBOOK	FEB81	03054-90001	MAY81	03054-90051*	8L	01	09	03	USE 3054DL FICHE 03054-90063
		OPERATORS HANDBOOK	MAY81	03054-90013	DEC83	03054-90063	8L	01	09	03	
		MAN CHANGE	SEP83	03054-90013							
3056DL		OPER & PROG MAN	JAN83	03056-90001	MAY83	03056-90050*	8L	01	09	04	USE 3056DL FICHE 03056-90053
		SYS REF GUIDE	DEC82	03056-90002	MAR83	03056-90052*	8L	01	09	01	USE 3056DL FICHE 03056-90054
		OPER & PROG MAN	JUN84	03056-90003	OCT84	03056-90053	8L	01	09	04	
		SYS REF GUIDE	DEC83	03056-90004	DEC84	03056-90054	8L	01	09	01	
		MAN CHANGE	AUG84	03056-90004							

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3406A	340	
3410A		OPER MAN SERV
		341 341 341 341
34111A		OPER
34112A		OPER
34113A		OPER OPER
34114A		OPER
34115A		OPER
34196A		OPER OPER
34196B		OPER
342A		OPER MAN SERV
		340 342 340 340 CO
3420A		OPER MAN
3420A/B		SERV 342 204 2/ 342 CO 342 342 342 342
3420B		OPER MAN
3421A		OPER

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3060A		PRE-INSTALL MAN	FEB79	03060-90004	JUN79	03060-90051*	8L	01	09	01	USE 3060A FICHE 03060-90260
		USERS MAN REV A	SEP79	03060-90005	FEB80	03060-90052*	8L	01	09	06	USE 3060A FICHE 03060-90252
		QUICK REF GUIDE	JUN79	03060-90013	SEP79	03060-90056*	8L	01	09	02	USE 3060A FICHE 03060-90251
		SERV MAN	JUL81	03060-90016	AUG81	03060-90058*	8L	01	09	06	USE 3060A FICHE 03060-90258
		INSTALL MAN (REV A)	NOV79	03060-90031	MAR80	03060-90063	8L	01	09	01	
		OPER NOTE	AUG79	03060-90037	JUN81	03060-90066	8L	01	09	01	
		MAN CHANGE	MAR81	03060-90037							

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3421A		SERV OPER SERV REVI MAN

OPER & PROG MAN
SYS REF GUIDE
MAN CHANGE

JUN84 03056-90003
DEC83 03056-90004
AUG84 03056-90004

OCT84 03056-90053 8L 01 09 04
DEC84 03056-90054 8L 01 09 01

3420B
3421A

OPER
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OPER

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3060A

PRE-INSTALL MAN
USERS MAN REV A
QUICK REF GUIDE
SERV MAN
INSTALL MAN (REV A)
OPER NOTE
MAN CHANGE
INSTALL NOTE
INSTALL NOTE
QUICK REF GUIDE
USERS MAN REV A
MAN CHANGE
QUICK REF GUIDE
SERV MAN
PRE-INSTALL MAN
USER'S MAN
MAN CHANGE - A
SERV MAN
QUICK REF GUIDE
QUICK REF GUIDE
SERV NOTE SET BELOW
3060A-0C
3060A-1
3060A-2
3060A-3-S
CONT'D
3060A-4A
3060A-5A
CONT'D
3060A-6B
3060A-7A
3060A-8A
3060A-9A
3060A-10A
3060A-11
3060A-12
3060A-13
3060A-14B
3060A-15A
3060A-16B
3060A-17
3060A-18
3060A-19
CONT'D
3060A-20A
3060A-21B
CONT'D
3060A-22
3060A-23B
3060A-24
3060A-25
3060A-26
3060A-27B
3060A-28A
3060A-29

FEB79 03060-90004
SEP79 03060-90005
JUN79 03060-90013
JUL81 03060-90016
NOV79 03060-90031
AUG79 03060-90037
MAR81 03060-90037
MAY82 03060-90071
MAY82 03060-90072
MAY80 03060-90201
JUN80 03060-90202
JUN80 03060-90202
JAN82 03060-90226
JUN82 03060-90233
AUG82 03060-90230
AUG83 03060-90313
AUG84 03060-90313
APR83 03060-90314
FEB83 03060-90315
JUL83 03060-90327
MAR84 WN SERV NOTE INDEX
OCT79 WN ALL SER.PROPER CONFIG TO PREVENT MISSING CHARACTERS ON 2640B CRT
JUN80 WN ALL SER.PREVENTIVE MAINT PROC
FEB80 WA SAFETY.OPT 200/201/202/205 ONLY SER 1801A00324 & BELOW.34196A SCANNER PWR SUPPLY AC
LINE IS REVERSE WIRED.
MAR82 WO ALL SER.PROC FOR CLEANING OUT POWER SUPPLY RELAYS
JUL81 WN SER 1801A00100 & UP,CCD REV 1938.MOD OF CONFIRM/CONFIG DIAG PROGRAMS "DIGITL" &
".M0802" FOR PROPER 3455A OPER DURING RECEIVER TEST
APR82 WN ALL SER.HOW TO IDENTIFY CCD REV 2213 SIGNATURES
MAR82 WN ALL SER.BTL REV 2014 REPL 2128 OF HIGHER(SEE S/N 3060A-40)
MAR82 WN ALL SER.BTL/IPG UPDATE TAPE FOR REV 2117
MAR82 WO ALL SER.PROC FOR INTERFACING 9885M DISK DRIVE IN 3060A SYSTEM
OCT80 WA ALL SER.NOTIF OF 3060A SYST SFTWARE REV IPG REVISED TO 2014
JUN80 WN ALL SER.6253A DUT POWER SUPPLIES DESC
JUN80 WN ALL SER."LOADING BTL FM A RUNNING PROGRAM"
JUN80 WA ALL SER.SFTW BTL REV FM 1903 TO 2014
JUL81 WN ALL SER.CCD MOD FOR REV 2027
JUL81 WN ALL SER.CCD REV 2027 MOD OF "CNTRLR" PROG FOR PROPER OP DURING CONTROLLER TEST
JUL81 WN ALL SER.CCD MOD FOR REV 2036
JAN81 WO ALL SER.PROPER USE OF 9825B/T CONTRL IN 3060A OR 44525A PROGRAMMING STATIONS
JUN81 WN ALL SER.INSTRUCT FOR CONFIG DEVICE UNDER TEST PWR SUPP INTERLOCK FOR ALL PWR SUPP OP
MAY81 WN ALL SER.NOTIF OF AVAIL OF F.S.I. KIT (03060-69902) TO ASSIST ON SITE SERV & REPAIR
OF OPT 100
NOV81 WN ALL SER.ASRU A/D BD REDESIGN
MAR82 WN ALL SER.REV 2114 INCORPAT INTO SOFTWARE REV 2136(SEE S/N 3060A-27B)& ALL UPWARD REV
(SEE S/N 3060A-39)
MAR81 WN ALL SER.INSTALL INSTRUCT FOR OPT 100 DSRU STIMULUS BD
JUN83 WN ALL SER.SYSTEM SUPPORT PKG
MAY81 WN ALL SER.NOTIF OF AVAIL OF CUSTOMER SERV KIT (03060-69802)
JUN81 WA ALL SER.11453B DIAG TEST FUTURE CORR WHEN OP IN CONJ WITH OPT 100
JUN81 WO ALL SER.RED OF SYST NOISE EFFECTNG CCD SYST TEST 135 & SIMIL MODS OF COMP TESTS
SUPERSEDED BY 3060A-39C
MAR82 WN ALL SER.SOFTWARE BTL REV FM 2117 TO 2128(SEE S/N 3060A-40)
JUL81 WN ALL SER.NOTIF OF BTL/IPG UPDATE TAPE FOR REV 2117

JUN79 03060-90051* 8L 01 09 01 USE 3060A FICHE 03060-90260
FEB80 03060-90052* 8L 01 09 06 USE 3060A FICHE 03060-90252
SEP79 03060-90056* 8L 01 09 02 USE 3060A FICHE 03060-90251
AUG81 03060-90058* 8L 01 09 06 USE 3060A FICHE 03060-90258
MAR80 03060-90063 8L 01 09 01
JUN81 03060-90066 8L 01 09 01
JUL82 03060-90068 8L 01 09 01
JUL82 03060-90069 8L 01 09 01
DEC80 03060-90251* 8L 01 09 03 USE 3060A FICHE 03060-90256
FEB81 03060-90252 8L 01 09 07
APR82 03060-90256* 8L 01 09 03 USE 3060A FICHE 03060-90365
OCT82 03060-90258* 8L 01 09 07 USE 3060A FICHE 03060-90364
DEC82 03060-90260 8L 01 09 01
SEP84 03060-90363 8L 01 09 09
JUL83 03060-90364 8L 01 09 08
MAY83 03060-90365* 8L 01 09 03 USE 3060A FICHE 03060-90367
JUL83 03060-90367 8L 01 09 03
OCT85

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3421A

SERV
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OPER
SERV
REVIS
MAN C
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MAN C
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3421A-
3421A-
3421A-
3421A-
3421A-
3421A-
3421A-

3421A-212

INST

343A

OPER
MAN C
SERV
343A-

3430A

OPER
MAN C
MAN C
SERV
3430A-
3430A-
3430A-
3430A-
3430A-
3430A-
3470A-

3431A

OPER
MAN C
MAN S
SERV
3431A-
3431A-
3431A-
3431A-

3431B

OPER
MAN C
MAN S

3431C

OPER
MAN C
MAN S

3431D

OPER

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3060A-33
3060A-34
3060A-35A

JUL81 WN ALL SYS WITH OPT 100 HSDFT.NOTIF OF AVAIL OF DFT DEVEL/PROD SFT TAPES 03060-10101
& 03060-10102
JUL81 WA ALL SER.SPEC INSTALL INSTRUCT FOR ADD PWR SUPPLY IN 34196A PWR MODULE,CONJ W/OPT100
MAR82 WN ALL SER."FEATURES" IN 2128 BEEN CORREC & INCORPORATED IN REV 2136(SEE S/N 3060A-27B)
& ALL UPWARD REV(SEE SVN 3060A-39)
OCT81 WN ALL SER.3060A SYSTEM SOFTWARE PACK CONTENTS
OCT81 WN ALL SER TESTING DRIVER GENERAL PURPOSE RELAYS
MAR82 WN ALL SER.CORRECT FOR PROPER TEST OF SCANNER G.P.RELAYS.INCORPORATE IN RE 2136

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3431D

MAN CH
MAN SU

3434A

OPER &
SERV
3434A-

3435A

OPER

3060A-28A
3060A-29MAR82 WN ALL SER.SOFTWARE BTL REV FM 2117 TO 2128(SEE S/N 3060A-40)
JUL81 WN ALL SER.NOTIF OF BTL/IPG UPDATE TAPE FOR REV 2117

3431D

OPER &

11/08/85
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3060A

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3060A-32A
CONT'D
3060A-33
3060A-34
3060A-35A
CONT'D
3060A-36
3060A-37A
CONT'D
3060A-38B
3060A-39C
3060A-40
3060A-41A
3060A-42
3060A-43
3060A-44
3060A-45
3060A-46A
3060A-47
3060A-48
3060A-49
CONT'D
3060A-50A
3060A-51
3060A-52
3060A-53
3060A-54
3060A-55
3060A-56-S
3060A-57
3060A-58-S
3060A-59
3060A-60
3060A-61
3060A-62
3060A-63
3060A-64

JUL81 WN ALL SYS WITH OPT 100 HSDFT.NOTIF OF AVAIL OF DFT DEVEL/PROD SFT TAPES 03060-10101 & 03060-10102

JUL81 WA ALL SER.SPEC INSTALL INSTRUCT FOR ADD PWR SUPPLY IN 34196A PWR MODULE, CONJ W/OPT100

MAR82 WN ALL SER."FEATURES" IN 2128 BEEN CORREC & INCORPORATED IN REV 2136(SEE S/N 3060A-27B) & ALL UPWARD REV(SEE SVN 3060A-39)

OCT81 WN ALL SER.3060A SYSTEM SOFTWARE PACK CONTENTS

OCT81 WN ALL SER TESTING DRIVER GENERAL PURPOSE RELAYS

MAR82 WN ALL SER.CORRECT FOR PROPER TEST OF SCANNER G.P.RELAYS.INCORPORATE IN RE 2136 (SEE S/N 3060A-27B)

NOV81 WN ALL SER DFT SOFTWARE REV 2141

MAR82 WN ALL SER.CORRECT FOR DSRU DIAGNOSTICS SOFTWARE INCORPORATE IN CCD SOFTWARE REV 2136 (SEE S/N 3060-27B & 3060A-39)

JUN82 WO ALL SER IMPR OPT 008 CONFIRM TEST

AUG84 WN ALL SER.LIST OF CHANGES FOR CCD SOFTWARE REV

FEB81 WN ALL SER.BTL SOFTWARE UPGRADED FROM REV 2117 TO 2128

FEB84 WN ALL SER.LIST OF DIGITAL CABLES FOR 3060A CIRCUIT SYSTEM

APR82 WN ALL SER.INSTAL PROC FOR DIGITAL CABLE P/N 03060-61622

APR82 WN ALL SER.INSTAL.PROC FOR DIGITAL CABLE P/N 03060-61623 OR -61624

APR82 WN ALL SER.INSTAL PROC FOR DIGITAL CABLE P/N 03060-61625

APR82 WN ALL SER.INSTAL PROC FOR DIGITAL CABLE P/N 03060-61626

MAR84 SER 1801A008 & BELOW.REC REPL(EUROPE ONLY)63005C SCANNER PWR SUPPLY

APR82 WA ALL SER.MOD TO PREVENT OPT 100 STIMULUS INPUT & GROUND RELAY CONFIRMA FAILURE

JUL82 WN ALL SER.CORREC INSTAL OF OPT 100 STIMULUS CABLE

JUL82 WN ALL SER.ADD OF LOW IMPEDANCE LOGIC GROUND CONNECTION TO ELIM SPONTANEOUS FAOFF & FBOFFS DURING BD TEST

JAN83 WN ALL SER.IMPR FIELD DIAGNOSTIC OF ANALOG RELAY FAILURES

AUG82 WN ALL SER.NEW VOLUME 1C - CCD MANUAL

NOV82 WN ALL SER.SUGGET 9825 I/O SLOT FOR 98034A/B HP-IB INTERFACE

JAN83 WN ALL SER.IMPR READING OF BTL "TRANS" STATEMENT USING 3455A

APR83 WN ALL SER.BD TEST LANGUAGE 200 REV 2308

DEC83 WO ALL SER.USING PROPER 3253A ANALOG STIMULUS/RESPONSE UNIT TO MEAS OPER AMPLF

FEB84 WA SAFETY.SER 2207A00887.00994,01039,01023,01034,&01014,NOTIF OF POT SAFE HAZ

MAY84 WN ALL SER.NEW TEST LEAD KIT HP P/N 03060-67902

AUG84 WA SAFETY.ALL SER.NOTIF OF POT SAFE HAZ

AUG84 WN ALL SER.CORREC TO 3060A TRBLSHTNG MANUAL VOL S1

SEP84 WN ALL SER.3253A ASRU MOD IMPR REL BY RED HEAT DISSIPATION ON A44 BD

SEP84 WN SER 1717A01417 & BELOW.3453A DIGITAL STIMULUS/RESP UNIT REPL FAN

SEP84 WN ALL SER.REV 3253A ASRU CALIB SFTWARE FOR 9825

SEP84 WN ALL SER.RED INTERM & REOCCUR INST FAIL

JUL85 WN ALL SER.FIELD MOD TO CHANGE PWR OPT ON HP-34196C PWR MODULE

3060A-R03

INSTALL NOTE

AUG79 03060-90082 DEC79 03060-90095 8L 01 09 01

3060A-040

INSTALL NOTE

NOV78 03060-90071 JUL82 03060-90068 8L 01 09 01

3060A-041

INSTALL NOTE

NOV78 03060-90072 JUL82 03060-90069 8L 01 09 01

3060A-100

OPER & SERV MAN
OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE

JUL81 03060-90203 OCT81 03060-90257 8L 01 09 06 USE 3060A-100 FICHE 03060-90257

FEB82 03060-90227 MAR82 03060-90257* 8L 01 09 06 USE 3060A-100 FICHE 03060-90259

JUN82 03060-90234 NOV82 03060-90259 8L 01 09 03

AUG82 03060-90234

3060A-25

INSTALL NOTE

MAR79 03060-90070 DEC79 03060-90067 8L 01 09 01

3061A

SERV MAN

FEB83 03060-90316 MAR83 03060-90366 8L 01 09 01

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3431D

MAN CH/
MAN SU

3434A

OPER &
SERV NO
3434A-

3435A

OPER &
MAN CH

3435A/B

SERV NO
3435A-
3435A-
3435A-
3435A-
3435A-
3435A-

3437A

OPER &
OPER &
MAN CH/
SERV NO
3437A-
3437A-
3437A-
3437A-
3437A-
3437A-
3437A-

3438A

OPER &
OPER &
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MAN CH/
SERV NO
3438A-
3438A-
3438A-
3438A-
3438A-

3439A

OPER &
MAN CH/
SERV NO
3439A-
3439A-
3439A-

3440A

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3061A

USER'S MAN
MAN CHANGE - A
SERV MAN
MAN CHANGE
QUICK REF GUIDE
QUICK REF GUIDE
MAN CHANGE
SERV NOTE SET BELOW
3060A-1
3061A-2

AUG83 03060-90313 MAY85 03060-90363 8L 01 09 09

AUG83 03060-90313

APR83 03060-90314 NOV83 03060-90364 8L 01 09 08

AUG83 03060-90314

FEB83 03060-90315 MAY83 03060-90365* 8L 01 09 03 USE 3061A FICHE 03060-90367

JUL83 03060-90327 NOV83 03060-90367 8L 01 09 03

AUG83 03060-90327

OCT85

APR83 WN ALL SER.BD TEST LANGUAGE 200 REV 2308

NOV83 WN ALL SER SOFTWARE DEV FOR UPDAT & MINOR ENHANCEMENTS

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3440A

SERV NO
3440A-1
3440A-2
3440A-3
3440A-5
3440A-6
3440A-7
3440A-8
3440A-9

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3061A	USER'S MAN MAN CHANGE - A SERV MAN MAN CHANGE QUICK REF GUIDE QUICK REF GUIDE MAN CHANGE SERV NOTE SET BELOW 3060A-1 3061A-2 3061A-3-S 3061A/6032A-4 CONT'D 3061A/3062A-5 3061A/3062A-6-S 3061A/3062A-7 3061A/3062A-8 3061A/3062A-9 3161A/3062A-10 3061A/3062A-11 3061A/3062A-12 6031A/6032A-13	AUG83 03060-90313 AUG83 03060-90313 APR83 03060-90314 AUG83 03060-90314 FEB83 03060-90315 JUL83 03060-90327 AUG83 03060-90327 OCT85 APR83 WN ALL SER.BD TEST LANGUAGE 200 REV 2308 NOV83 WN ALL SER.SOFTWARE REV FOR UPDAT & MINOR ENHANCEMENTS FEB84 WA SAFETY.SER 2306A00101 THRU 2306A00117.NOTIF OF POT SAFE HAZ AUG84 WA SER 3060A00140/2307A00275 & BELOW.REASONS FOR INTERM 6034L PWR SUPPLY OVERVOLTG INTERRUPTS AUG84 WO ALL SER.REV 3253A CALIB SOFTWARE SER 200 CONTROLLERS AUG84 WA SAFETY.ALL SER.NOTIF POT SAFE HAZ AUG84 WN ALL SER.CORREC 3060A/3061A/3062A TRBLSHTNG MAN VOL S1 SEP84 WN ALL SER.5335A FREQ COUNT FIRMWARE (ROM) REV 1.1 SEP84 WN ALL SER.3253A ASRU MOD TO IMPR REL BY RED HEAT DISSIPATION ON A44 BD OCT84 WN ALL SER.CONFIGRTN/CONFIRMA/DIAGN SOFTWARE REV 2440 MAR85 WN ALL SER.PROD SUPPORT PKG DESC MAR85 WA ALL SER.CONFIGRTN/CONFIRMATION/DIAGN SOFTWARE JUL85 WN ALL SER.FIELD MOD TO CHANGE PWR OPT ON HP34196C PWR MODULE	MAY85 03060-90363 8L 01 09 09 NOV83 03060-90364 8L 01 09 08 MAY83 03060-90365* 8L 01 09 03 USE 3061A FICHE 03060-90367 NOV83 03060-90367 8L 01 09 03
3062A	USER'S MAN MAN CHANGE - A SERV MAN MAN CHANGE QUICK REF GUIDE QUICK REF GUIDE MAN CHANGE SERV NOTE SET BELOW 3060A-1 3062A-2 3061A/6032A-4 CONT'D 3061A/3062A-5 3061A/3062A-6-S 3061A/3062A-7 3061A/3062A-8 3061A/3062A-9 3161A/3062A-10 3061A/3062A-11 3061A/3062A-12 6031A/6032A-13	AUG83 03060-90313 AUG83 03060-90313 APR83 03060-90314 AUG83 03060-90314 FEB83 03060-90315 JUL83 03060-90327 AUG83 03060-90327 OCT85 APR83 WN ALL SER.BD TEST LANGUAGE 200 REV 2308 NOV83 WN ALL SER.SOFTWARE REV FOR UPDAT & MINOR ENHANCEMENTS AUG84 WA SER 3060A00140/2307A00275 & BELOW.REASONS FOR INTERM 6034L PWR SUPPLY OVERVOLTG INTERRUPTS AUG84 WO ALL SER.REV 3253A CALIB SOFTWARE SER 200 CONTROLLERS AUG84 WA SAFETY.ALL SER.NOTIF POT SAFE HAZ AUG84 WN ALL SER.CORREC 3060A/3061A/3062A TRBLSHTNG MAN VOL S1 SEP84 WN ALL SER.5335A FREQ COUNT FIRMWARE (ROM) REV 1.1 SEP84 WN ALL SER.3253A ASRU MOD TO IMPR REL BY RED HEAT DISSIPATION ON A44 BD OCT84 WN ALL SER.CONFIGRTN/CONFIRMA/DIAGN SOFTWARE REV 2440 MAR85 WN ALL SER.PROD SUPPORT PKG DESC MAR85 WA ALL SER.CONFIGRTN/CONFIRMATION/DIAGN SOFTWARE JUL85 WN ALL SER.FIELD MOD TO CHANGE PWR OPT ON HP34196C PWR MODULE	MAY85 03060-90363 8L 01 09 09 NOV83 03060-90364 8L 01 09 08 MAY83 03060-90365* 8L 01 09 03 USE 3062A FICHE 03060-90367 NOV83 03060-90367 8L 01 09 03
3065	USER'S GUIDE USERS REF MAN -I USERS REF MAN -II MAN CHANGE - A SITE PREP INSTAL MAN SERV & HARDWARE MAN DIAGNOSTIC MAN -I DIAGNOSTIC MAN -II DIAGNOSTIC MAN -III	AUG83 03065-90010 AUG83 03065-90020 AUG83 03065-90020 AUG84 03065-90020 APR83 03065-90110 JUN83 03065-90120 JUN83 03065-90130 JUN83 03065-90140 JUN83 03065-90140 JUN83 03065-90140	OCT84 03065-99010 8L 01 09 04 SEP84 03065-99020 8L 01 09 16 OCT83 03065-99110 8L 01 09 02 OCT83 03065-99120 8L 01 09 04 OCT83 03065-99130 8L 01 09 05 OCT83 03065-99140 8L 01 09 16

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3440A	SERV NOT 3440A-1A 3440A-2 3440A-3A 3440A-5 3440A-6 3440A-7 3440A-8 3440A-9D 3440A-10 3440A-11 3440A-12 3440A-13 3440A-14 3440A-15 3440A-16 3440A-17 3440A-19		
3441A	OPER NOT		
3442A	SERV NOT 3442A-1A 3442A-2		
3443A	OPER & S MAN CHAN SERV NOT 3443A-1A 3443A-2 3443A-3		
3444A	OPER & S MAN CHAN SERV NOT 3444A-1 3444A-2 3444A-3		
3445A	OPER & S SERV NOT 3445A-1A 3445A-4 3445A-5 3445A-6A 3445A-7/3		
3446A	OPER & S MAN CHAN SERV NOT 3446A-1 3446A-1		
345B	OPER & S MAN CHAN		

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3065	SERV NOTE SET BELOW 3065-1 3065-2 3065-3 3065-4 3065-5 3065-6 3065-7 3065-8 3065-9 3065-10 3065-11	SEP83 WA SER 2310-00113 & BELOW.MOD TO PREV PWR-UP CIR OSCILLATION JUL83 WN ALL SER.REC RELAY REPL PROC AUG83 WN NEW ASRU AID BD BLUE STRIP P/N SEP83 WO ALL SER.3065C FAN SPEED SENSOR FAILURE SEP83 WA SER 2110-00113 & BELOW.MOD OF 11352-66507 & 11353-66508 TO ALLOW FIXTURE VARIFC OCT83 WN SER 2308A00101 THRU 2308A00119.RFI MOD TO 3065C CABINET.INSTALL PROC & PARTS LIST NOV83 WO 3065C:SER 2308A00155 & BELOW.MOD TO ALLOW REMOTE I/O & MEMORY RECONFIG APR84 WO SER 2310A00162 & BELOW.MOD TO PREV FIXTURE RECEIVER FAILURES APR84 WA SER 2310A00179 & BELOW.VACUUM HOSE REPL ON HP 3056D/H APR84 WN ALL SER.EDGE CONN CLEANING PROC MAY84 WN U704 CURRENT CONTACT REMOVAL PROC FOR 3065C	OCT85 OCT83 03065-99110 8L 01 09 02 OCT83 03065-99120 8L 01 09 04 OCT83 03065-99130 8L 01 09 05 OCT83 03065-99140 8L 01 09 16
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3450A	OPER & S SERV NOTE 3450A-1 3450A-2 3450A-3 3450A-4 3450A-5 3450A-7A 3450A-8 3450A-9		
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3065 SERV NOTE SET BELOW OCT85
 3065-1 SEP83 WA SER 2310-00113 & BELOW.MOD TO PREV PWR-UP CIR OSCILLATION
 3065-2 JUL83 WN ALL SER.REC RELAY REPL PROC
 3065-3 AUG83 WN NEW ASRU AID BD BLUE STRIP P/N
 3065-4 SEP83 WO ALL SER.3065C FAN SPEED SENSOR FAILURE
 3065-5 SEP83 WA SER 2110-00113 & BELOW.MOD OF 11352-66507 & 11353-66508 TO ALLOW FIXTURE VARIFC
 3065-6 OCT83 WN SER 2308A00101 THRU 2308A00119.RFI MOD TO 3065C CABINET.INSTALL PROC & PARTS LIST
 3065-7 NOV83 WO 3065C:SER 2308A00155 & BELOW.MOD TO ALLOW REMOTE I/O & MEMORY RECONFIG
 3065-8 APR84 WO SER 2310A00162 & BELOW.MOD TO PREV FIXTURE RECEIVER FAILURES
 3065-9 APR84 WA SER 2310A00179 & BELOW.VACUUM HOSE REPL ON HP 3056D/H
 3065-10 APR84 WN ALL SER.EDGE CONN CLEANING PRGC
 3065-11 MAR84 WN HIGH CURRENT CONTACT REMOVAL PROC FOR 11352-66593/66592 SYST CARD
 3065-12 APR84 WO SOFTWARE PRIOR TO REV 2410.MOD TO PREV FUSE FAIL ON SYSTEM 23 CARD
 3065-13 JUL84 WA MOD OF CONFIGRTN/DIAGNOSTIC FIXTURE P/N 11345-80000
 3065-14 NOV84 WN ALL SER.MOD OF PULSER PWR SUPPLY (HP P/N 11351-66510)TO CONFORM TO HYBRID
 CONT'D
 3065-15 AUG84 WN BACKPLANE CABLE REPL,HP P/N 11352-61602
 3065-16 AUG84 WN CHNG SCANNER BD IN SYSTEM WITH BACKPLANE CABLE HP P/N 11352-61602
 3065-17 AUG84 WA MOD OF THE FIXTURE TO ELIM INTERFACE PROB
 3065-18 NOV84 WN ALL SER.DESC OF HP COOP SUPPORT PROG FGR HP 3065 SYSTEM
 3065-19 AUG84 WA ALL SER.NOTIF OF POT SHOCK HAZ IN VOL LEVEL >42V SUPLY DUT PWR SUPLY
 3065-20 APR85 WO ALL SER.REPAIR OF EXTERNAL VACUUM MODULE P/N 03065-80602
 3065-21-S NOV84 WA SAFETY.SER 2310A00309 TO 2310A00332.POT 11352-66504 DUT SENSE BATCH CARD PROB
 3065-22 NOV84 WN ALL SER.DESC OF TIME-OUT FAIL FOR UTILITY TEST 19 WHEN OPER ON 50HZ PWR
 3065-23 DEC84 WA ALL SER.CHECK FOR POS MISWIRED DSDC INTERNAL CABLE
 3065-24 DEC84 WA ALL SER.ASRW 2410 FIRMWARE BUG WORKAROUND
 3065-25 JAN85 WN SER 2310A00364 & BELOW.PWR MODULE TO MONITOR CARD CABLE MISWIRING
 3065-26 APR85 WN ALL SER.TEST & MOD TO SOLVE ITEM DIGITAL CAL FAILURES
 3065-27 JUN85 WN ALL SER.HP 44633H SERVICE KIT
 3065-31-S AUG85 WA SAFETY:SER 2308A00372 & C 9W.NOTIF OF POT SAFETY HAZ

310A OPER & SERV MAN FEB76 00310-90003 DEC76 00310-90053 8L 01 09 02
 MAN CHANGE OCT76 00310-90003
 SERV NOTE SET BELOW OCT80
 310A-1 AUG63 100 KC CRYSTAL CALIB KIT INSTALLATION
 310A-2 - SER BELOW 415-00561.MOD TO IMPROVE SHORT CIRCUIT PROTECTION
 310A-3 SEP64 SER BELOW 436-00376.IMPR LOW PASS FILTER STABILITY MODIFICATION
 310A-4 DEC64 SER BELOW 452-00911.OUTPUT CIR MOD
 310A-5 MAY65 SER BELOW 516-01001.MOD TO RED CARRIER BALANCE NOISE
 310A-6A DEC65 SER BELOW 516-01186.IMPR BANDWIDTH ACCURACY MOD
 310A-7 APR71 WO SER 94802884 + DOWN.REC TRANSIS REPL
 310A-8 FEB74 WN SER 0948A-03360 + UP.REPL OF GERMANIUM TRANSIS WITH SILICON TRANSISTORS
 310A-9A DEC75 WO SER 0948A03309 + DOWN.NEW INDUCTOR ON LOCAL OSCIL ASSY
 310A-10 AUG77 WN SER 1507A03720 & BELOW.REPLACEMENT OF GERMANIUM TRANSISTORS

312A OPER & SERV MAN JUL71 00312-90004 OCT74 00312-90054 01 09 05
 MAN CHANGE FEB74 00312-90004
 SERV NOTE SET BELOW OCT80
 H01-312A-1/ DEC67 WN SER BELOW 720-00260.IMPR FREQ STAB + TIMING MODIFICATION
 H05-312A-1
 312A-1 DEC67 WN SER 712 + DOWN.REC REPL CAP FOR A1C8 + A12C8
 312A-2 DEC67 SER 701 + DOWN.FERRITE BEADS ADD TO PREVENT SPURIOUS RESPONSES OR OSCILLATIONS
 312A-3 JAN68 WO SER 706 + BELOW.A9Q3,4,5,6 PREF REPL
 312A-4 DEC67 SER BELOW 720-00360.PREF REPL PARTS

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3450A OPER & SERV
 SERV NOTE
 3450A-1
 3450A-2
 3450A-3
 3450A-4
 3450A-5
 3450A-7A
 3450A-8
 3450A-9
 3450A-10
 3450A-11

3450B OPER & SERV
 MAN CHANGE
 SERV NOTE
 3450B-1
 3450B-2
 3450B-3
 3450B-4A
 3450B-5A

3453A OPER & SERV
 OPER & SERV
 SERV NOTE
 3453A-3A
 3453A-4A
 3453A-5A

3455A OPER & SERV
 OPER & SERV
 MAN CHANGE
 OPER INFO
 OPER INFO
 SERV NOTE
 3455A-1
 3455A-2
 3455A-3A
 3455A-4
 3455A-5A
 3455A-6
 3455A-7A
 3455A-8
 3455A-9A
 3455A-10
 3455A-11
 3455A-12C
 3455A-13
 3455A-14
 3455A-15
 3455A-16
 3455A-17B
 3455A-18B
 CONTD

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312A/B/C/D SERV NOTE SET BELOW OCT81
 312A/B/C/D-5 SEP76 WN ALL SER.REF LEVEL SWTCH ASSY GRD CONN
 312B/D-6 JUN80 WO ALL SER.REC REPL P/N'S FOR LED DISPLAYS
 312B/D-7 JUN81 WO ALL SER.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRC.

312B OPER & SERV MAN FEB76 00312-90046 JUN81 00312-90065 8L 01 09 04
 MAN CHANGE APR81 00312-90046

312C OPER & SERV MAN JUL74 00312-90019 JAN82 00312-90066 8L 01 09 02

312D OPER & SERV MAN FEB76 00312-90046 JUN81 00312-90065 8L 01 09 04
 MAN CHANGE APR81 00312-90046

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3455A 3455A-19
 3455A-20C
 3455A-21
 3455A-22A
 3455A-23
 3455A-24

3456A OPER & SERV
 OPER & SERV
 MAN CHANGE
 SERV NOTE S
 3456A-1D
 3456A-2

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
312A/B/C/D		SERV NOTE SET BELOW 312A/B/C/D-5 312B/D-6 312B/D-7			OCT81						
			SEP76	WN ALL SER.REF LEVEL SMTCH ASSY GRD CONN							
			JUN80	WO ALL SER.REC REPL P/N'S FOR LED DISPLAYS							
			JUN81	WO ALL SER.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRC.							
312B		OPER & SERV MAN MAN CHANGE	FEB76	00312-90046		JUN81	00312-90065	8L	01	09	04
			APR81	00312-90046							
312C		OPER & SERV MAN	JUL74	00312-90019		JAN82	00312-90066	8L	01	09	02
312D		OPER & SERV MAN MAN CHANGE	FEB76	00312-90046		JUN81	00312-90065	8L	01	09	04
			APR81	00312-90046							
313A		OPER & SERV MAN MAN CHANGE	JUN76	00313-90002		MAR79	00313-90052	8L	01	09	02
			NOV78	00313-90002							
320A		INSTRUCT & OPER MAN	FEB51	320A-910		MAR78	5080-5665	8L	01	09	01
320B		INSTRUCT & OPER MAN	FEB51	320B-910		MAR78	5080-5663	8L	01	09	01
3200A		OPER & SERV MAN MAN CHANGE	JAN65	03200-90022		OCT74	03200-90028		01	21	02
		SERV NOTE SET BELOW	JAN00	03200-90022							
		3200A-1	-	SER 450 + 451.CIR MOD IMPR PERFORM							
		3200A-2	-	ILLUSTR PRTS IDENT REF DESIG INDEX							
		3200A-3/3200B-5	JAN72	WO ALL SER 3200A.3200B SER BELOW 1219A.MOD IMPROVE Q300 RELIABILITY							
3200B		OPER & SERV MAN MAN CHANGE	MAR68	03200-90026		NOV80	03200-90027	8L	01	04	02
		SERV NOTE SET BELOW	SEP80	03200-90026							
		3200A-3/3200B-5	JAN72	WD ALL SER 3200A.3200B SER BELOW 1219A.MOD IMPROVE Q300 RELIABILITY							
		3200B-1	FEB66	ILLUSTR PRTS IDENT REF DESIG INDEX							
		3200B-2	-	NOT AVAILABLE							
		3200B-3	MAR67	SER BELOW 626-.MOD ELIM TUNE CNTR "CREEP"							
		3200B-4	-	ILLUSTRATED PARTS IDENTIFICATION							
		3200B-6	MAR81	WN SER 1902A & BELOW.MOD TO INCREASE OUTPUT POWER							
3205A		OPER & SERV MAN MAN CHANGE	JAN00	03205-90044		JUN73	03205-90045		01	21	03
		SERV NOTE SET BELOW	FEB73	03205-90044							
		3205A-1	FEB71	WO SER 953-.MOD IMPR MODULN METER ACCUR AT 5 HZ							
3211A		OPER & SERV MAN SERV NOTE SET BELOW	APR67	03211-90011		AUG72	03211-90019		01	21	03
		3211A-1	JAN68	SER BELOW 805.PREF REPL OF DIODES		JAN81					
3212A		OPER & SERV MAN	APR67	03211-90011		AUG72	03211-90019		01	21	03
3213A		OPER & SERV MAN	APR67	03211-90011		AUG72	03211-90019		01	21	03
3214A		OPER & SERV MAN	APR67	03211-90011		AUG72	03211-90019		01	21	03
3215A		OPER & SERV MAN	APR67	03211-90011		AUG72	03211-90019		01	21	03
3216A		OPER & SERV MAN	APR67	03211-90011		AUG72	03211-90019		01	21	03

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3455A		3455A-19 3455A-20C 3455A-21 3455A-22A 3455A-23 3455A-24
3456A		OPER & SERV M OPER & SERV M MAN CHANGE SERV NOTE SET 3456A-1D 3456A-2 3456A-3 3456A-4A 3456A-5 3456A-6A 3456A-7 3456A-8 3456A-9 3456A-10 3456A-11 3456A-12 3456A-13 3456A-14 3456A-15 3456A-16A 3456A-17A 3456A-18 3456A-19 3456A-20
3457A		OPER MAN QUICK REF GUI MAN CHANGE SERV MAN
3459A		OPER & SERV M SERV NOTE SET 3460A-8 3459A-1A/3460 3459A-2A/3460 3460A-7A/3459 3460A-8/3459A 3459A 3459A-6/3460A 3460B-2/3460A 3459A-9 3460B-3/3460A 3459A-8 3460B-4/3460A 3459A-9 3460B-5/3460A 3459A-10 3459A-11A

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 DESCRIPTION ***
 LINE VOLTAGE
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*** DESCRIPTION ***											
3217A		OPER & SERV MAN	APR67	03211-90011	AUG72	03211-90019	01	21	03		
3221A		OPER & SERV MAN	APR67	03211-90011	AUG72	03211-90019	01	21	03		
325B		INSTRUCT & OPER MAN MAN CHANGE BACKDATE	AUG44 NOV62	325B-910 325B-910	AUG72	5080-5664	8L	01	09	01	
3253A		OPER & PROG MAN OPER & SERV MAN SERV NOTE SET BELOW	AUG79 APR82	03253-90000 03253-90001	NOV79 JUN82	03253-90050* 03253-90051	8L	01	09	02	USE 3253A FICHE 03253-90051
		3253A-2 CONTD	AUG80	WO ALL SER.CORR OF SOURCE AMP CURRENT COMPLIANCE CHECK TEST LIMITS ON ASRU CALIB TAPE							
		3253A-3	NOV80	WO ALL SER.CLEANING ASRU MULTIPLEXING RELAYS							
		3253A-4A	APR81	WN ALL SER.USE CCD REV 2114 SOFTWARE TO TEST MOA A23 BDS							
		3253A-5	SEP81	WO SER 1814A00724 & ABOVE.REDUCING OFFSET AT OUTPUT OF A13 SOURCE AMPLIFIER							
		3253A-6	SEP81	WO ALL SER.REDUCING NOISE INJECTED INTO ASRU EXT SOURCE/DETECTORS							
		3253A-7	APR82	WO ALL SER.PREV INTERMITTENT & RECURRING ASRU FAILURES							
		3253A-8	SEP83	WO MOD TO RED INTERM & REOCCURRING ASRU FAILURES							
330B/C/D		SERV NOTE SET BELOW			JUL81						
		330B-1	-	NOT AVAILABLE							
		330B-2	-	NOT AVAILABLE							
		330B-3	-	NOT AVAILABLE							
		330B-4	-	NOT AVAILABLE							
		330B-5	-	REPL WAFER SWITCH FOR S4							
		330B-6C	JUL63	SER 4956 + DOWN.METER CIR MOD							
3300A		SUPP B OP & SVC MAN OPER & SERV MAN MAN CHANGE	FEB67 APR70 MAY76	03300-90003 03300-90005 03300-90005	JAN75 SEP77	03300-90053 03300-90055	01	09	01	8L	01 09 02
		SERV NOTE SET BELOW			JAN81						
		3300A-1	OCT65	PWR LINE FUSE CHANGE							
		3300A-2	FEB66	FINGER TEST OF TRANS TEMP FOREWARNS BURNOUT ON A2							
		3300A-3	APR66	PROC EXTEND PERMISSIBLE RANGE OF EXTERNAL FREQ CONTROL							
		3300A-4A	SEP68	WO SER BELOW 809-03725.PREF REPL PRTS							
		3300A-5	-	NOT AVAILABLE							
		3300A-6	-	NOT AVAILABLE							
		3300A-7	-	NOT AVAILABLE							
		3300A-8	APR69	WA MOD REQ WHEN OPER 3305A PLUG-IN							
		3300A-9	APR75	WA SER 0939A06521 TO 0939A06545.FERRITE BEADS ON Q5 + Q6 EMITTER LEADS							
		3300A-10-5	JAN76	WN SAFETY.SER BELOW 0939A06726. ELIMINATION OF POTENTIAL SHOCK HAZARD							
3301A		OPER NOTE	FEB76	03301-90000	AUG82	03301-90050	8L	01	09	01	
3302A		OPER & SERV MAN SERV NOTE SET BELOW	MAY71	03302-90003	OCT84	03302-90053	8L	01	09	01	
		3302A-1	MAR66	SER BELOW 540-00600.MOD STOP FREE-RUNNING IN SINGLE OR MULTIPLE CYCLE OPER							
		3302A-2	APR66	WA MOD STOP SHRTING BETW IN + OUT CHASIS							
		3302A-3	MAY66	SER BELOW 540.MOD ELIM SPURIOUS OSCIL IN PHASE LOCK OPERATION							
		3302A-4	MAR67	SER BELOW 650-01000.MOD STOP OSCIL IN FREE-RUN MODE							
		3302A-5-S	JAN76	WN SAFETY.SER BELOW 0720A02761. ELIMINATION OF POTENTIAL SHOCK HAZARD							
3304A		OPER & SERV MAN MAN CHANGE	MAY71 APR74	03304-90003 03304-90003	JAN76	03304-90053	8L	01	09	02	

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3301A	OPER NOTE	FEB76 03301-90000	AUG82 03301-90050	8L 01 09 01
3302A	OPER & SERV MAN SERV NOTE SET BELOW	MAY71 03302-90003	OCT84 03302-90053	8L 01 09 01
	3302A-1	MAR66	SER BELOW 540-00600.MOD STOP FREE-RUNNING IN SINGLE OR MULTIPLE CYCLE OPER	
	3302A-2	APR66	WA MOD STOP SHRTING BETW IN + OUT CHASIS	
	3302A-3	MAY66	SER BELOW 540.MOD ELIM SPURIOUS OSCIL IN PHASE LOCK OPERATION	
	3302A-4	MAR67	SER BELOW 650-01000.MOD STOP OSCIL IN FREE-RUN MODE	
	3302A-5-S	JAN76	WN SAFETY.SER BELOW 0720A02761. ELIMINATION OF POTENTIAL SHOCK HAZARD	
3304A	OPER & SERV MAN MAN CHANGE	MAY71 03304-90003	JAN76 03304-90053	8L 01 09 02
		APR74 03304-90003		

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
3304A		SERV NOTE SET BELOW 3304A-1A 3304A-2A-S	AUG75	WO ALL SER.LONG LEAP TRANS REPL A1Q1 + A1Q2	MAY78						
			MAY76	WN SAFETY.ALL SER ELIMINATION OF POTENTIAL SHOCK HAZARD							
3305A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3305A-1-S	MAR71	03305-90002	SEP77	03305-90052	8L	01	09	02	
			MAY76	03305-90002	OCT81						
			JAN76	WN SAFTY.SER BELOW 0835A01306.ELIMINATION OF POTENTIAL SHOCK HAZARD							
331A		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW 311A/32A-1B 331A/332A-2 331A/332A-3 331A/332A-4/333A/ 334A-2A 331A/332A-5/333A/ 334A-3 331A/332A-6/333A/ 334A-4 331A/332A-7 331/32A-8A/333/ 334A-7A 331/332A-9 CONT'D 331A/332A-10B-S CONT'D 331A/332A-U-10-S CONT'D 331A/332A-12/333A/ 334A-12 331A/332A/333A/ 334A-13 331A/332A-14	DEC74	00331-90007	APR78	00331-90057	8L	01	09	02	
			JAN78	00331-90007							
			JUN77	00331-90007	JAN82						
			MAY69	SER 717-0106/ + UP (332A).REPL PRTS							
			DEC65	SER 536-00420 + DOWN.INCR RANGE OF A2R3 BIAS ADJ MODIFICATION							
			-	NOT AVAILABLE							
			SEP71	SER 602-00900 + DOWN(331A);SER 536-00525 + DOWN(332A).REC REPL A2CR6 + A2CR7							
			MAY66	WO A2Q4 EXTEND LIFETIME MODIFICATION							
			JAN67	NOISE MEAS PROC IN AM CARRIER							
			NOV71	WO SER 716-02300 + DOWN(331A);SER 605-01060 + DOWN(332A).MOD TO REDUCE ZERO OFFSETS							
			MAR75	WA SER 982-04451 TO 1149A06575(331A);SER 985-01911 TO 1145A22750(332A);980-01886 TO 1137A02945(333A);993-02841 TO 1140A05365(334A).RF1 MOD KIT.SUPER 331/332A-8,333/334A-7							
			APR75	WO SER 837-03300 TO 1149A06500(331A);SER 909-01486 TO 1145A22750(332A).INDUCTOR ADDED TO POWER LINE GROUND LEAD							
			JUL77	WN SAFETY.331A-SER DOWN 1149A07206 & 332A-SER DOWN 1140A6311.ELIM OF POT SAFETY HAZD SHOCK HAZARD							
			JUN76	WN SAFETY.331A SER BELOW 1440U00696;332A SER BELOW 1148U00346.MOD TO ELIMINATE POTENTIAL SHOCK HAZARD							
			JUL77	WO SER 1149A07845 & BELOW & 1551U00495 AND BELOW.BRIDGE AMPLIFIER OSCILLATIONS							
			MAR81	WO ALL SER.MOD TO ELIM OSC IN VTMT MODE							
			SEP81	WO ALL SER.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT							
3310A		OPER & SERV MAN MAN CHANGE MAN CHANGE GMBH INSTALL NOTE SERV NOTE SET BELOW 3310A-1A 3310A-2 3310A-3 3310A-4 3310A/B-5 3310A/B-6 3310A/B-7A CONT'D	OCT73	03310-90003	MAY82	03310-90053	8L	01	09	02	
			MAR82	03310-90003							
			OCT76	03310-90003							
			DEC84	03310-90010	FEB85	03310-90210	8L	01	A1	01	
					OCT81						
			MAR71	WO SER BELOW 0947A02850.MOD STOP DAMG TO Q1 + Q2							
			MAR71	WA SER BELOW 947-02850.MIN OUTPUT SPEC							
			MAR71	WO SER BELOW 947-01450.REC REPL							
			SEP73	WN SER BELOW 920-00651.REPL A1CR21 + A1CR22							
			MAR74	WO 3310A SER BELOW 1151A05900.3310B SER BELOW 1201A00950.MORE REL A1C14							
			NOV75	WN ALL SER.CORREC REPL FOR Q1 + Q2 OUTPUT TRANSISTORS							
			OCT81	WA 3310A:SER 1151A11370 & BELOW;3310B:SER 1201A05020 & BELOW.MOD TO ELIM DISTORTION IN TRIANGLE & RAMP MODES							
3310B		OPER & SERV MAN MAN CHANGE MAN CHANGE GMBH SERV NOTE SET BELOW	OCT73	03310-90003	MAY82	03310-90053	8L	01	09	02	
			MAR82	03310-90003							
			OCT76	03310-90003							
					OCT81						

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INSTALL NOTE
 SERV NOTE SET BELOW
 3310A-1
 3310A-2
 3310A-3
 3310A-4
 3310A/B-5
 3310A/B-6
 3310A/B-7A
 CONT'D

DEC84 03310-90010 FEB85 03310-90210 8L 01 A1 01
 OCT81
 MAR71 WO SER BELOW 0947A02850.MOD STOP DAMG TO Q1 + Q2
 MAR71 WA SER BELOW 947-02850.MIN OUTPUT SPEC
 MAR71 WO SER BELOW 947-01450.REC REPL
 SEP73 WN SER BELOW 920-00651.REPL A1CR21 + A1CR22
 MAR74 WO 3310A SER BELOW 1151A05900.3310B SER BELOW 1201A00950.MORE REL A1C14
 NOV75 WN ALL SER.CORREC REPL FOR Q1 + Q2 OUTPUT TRANSISTORS
 OCT81 WA 3310A:SER 1151A11370 & BELOW;3310B:SER 1201A05020 & BELOW.MOD TO ELIM DISTORTION IN
 TRIANGLE & RAMP MODES

3310B OPER & SERV MAN OCT73 03310-90003 MAY82 03310-90053 8L 01 09 02
 MAN CHANGE MAR82 03310-90003
 MAN CHANGE GMBH OCT76 03310-90003
 SERV NOTE SET BELOW OCT81

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3310B		3310A/B-5 3310A/B-6	MAR74	WO 3310A SER BELOW 1151A05900.	NOV75	WN ALL SER CORREC REPL FOR Q1 + Q2 OUTPUT TRANSISTORS					3310B SER BELOW 1201A00950 MORE REL A1C14
3311A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3311A-1 3311A-2 CONT'D	APR74 JUN80	03311-90001	SEP80	03311-90051	8L	01	09	02	
			SEP76	WO SER BELOW 1244A07400.	DEC79	WO SER 1224A00100 TO 1224A16201 (APPROX) MOD TO PREVENT 20 MHZ OSC WHEN AMP CONTROL IS BELOW HALF-WAY					APR80 MOD IMPR PWR SUPPLY CAPACITORS
3312A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3312A-1 3312A-2 3312A-3 3312A-4A	AUG75 APR77 MAY81 JAN83	03312-90002 03312-90003 03312-90004 03312-90004	OCT75 NOV80 FEB83	03312-90052* 03312-90053* 03312-90054	8L	01	09	02	USE 3312A FICHE 03312-90053 USE 3312A FICHE 03312-90054
			APR76	WN ALL SER.COMMON PERFORM CHARACTERISTIC	JUL79	WO SER 1432A03456 TO 1432A04515.MOD TO IMPROVE DISTORTION AT LOW END OF FREQ DIAL.					APR81
			DEC79	WO SER 1432A05505 & BELOW.PREF REPL FOR OP AMP A2-U104/U106	FEB81	WO SER 1432A06631 & BELOW.SUGGESTED MOD TO PREVENT OUTPUT SIG CLIP/FREQ VARIATIONS					
3314A		OPER MAN MAN CHANGE SERV MAN SERV MAN SERV NOTE SET BELOW 3314A-1	MAR82 JUL82 JUN82 APR83	03314-90000 03314-90000 03314-90020 03314-90021	NOV82 NOV82 JUN83 JUL84	03314-90050 03314-90070* 03314-90071	8L	01	A1	02	USE 3314A FICHE 03314-90071
			NOV83	WO ALL SER.MOD TO FIX FLASH PHASE LOCK INDICATOR							
332A		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW 331A/332A-1B 331A/332A-2 331A/332A-3 331A/332A-4/333A/ 334A-2A 331A/332A-5/333A/ 333A-3 331A/332A-6/333A/ 334A-4 331A/332A-7 331/32A-8A/333/ 334A-7A 331/332A-9 CONT'D 331A/332A-10B-S CONT'D 331A/332A-U-10-S CONT'D 331A/332A-12/333A/ 334A-12 332A-11A 331A/332A/333A/ 334A-13 331A/332A-14	DEC74 JAN78 JUN77	00331-90007 00331-90007 00331-90007	APR78	00331-90057	8L	01	09	02	
			MAY69	SER 717-01061 + UP(332A).REPL PRTS	DEC65	SER 536-00420 + DOWN.INCR RANGE OF A2R3 BIAS ADJ MODIFICATION					JAN82
				NOT AVAILABLE	SEP71	SER 602-00100 + DOWN(331A);SER 536-00525 + DOWN(332A).REC REPL A2CR6 + A2CR7					
			MAY66	WO A2Q4 EXTEND LIFETIME MODIFICATION	JAN67	NOISE MEAS PROC IW AM CARRIER					
			NOV71	WO SER 716-02300 + DOWN(331A);SER 605-01060 + DOWN(332A).MOD TO REDUCE ZERO OFFSETS	MAR75	WA SER 982-04451 TO 1149A06575(331A);SER 985-01911 TO 1145A22750(332A);980-01886 TO 1137A02945(333A);993-02841 TO 1140A05365(334A).RF1 MOD KIT.SUPER 331/332A-8,333/334A-7					
			APR75	WO SER 837-03300 TO 1149A06500(331A);SER 909-01486 TO 1145A22750(332A).INDUCTOR ADDED TO POWER LINE GROUND LEAD	JUL77	WN SAFETY.331A-SER DOWN 1149A07206 & 332A-SER DOWN 1140A6311.ELIM OF POT SAFETY HAZD SHOCK HAZARD					
			JUN76	WN SAFETY.331A SER BELOW 1440U00696;332A SER BELOW 1448U00346.MOD TO ELIMINATE POTENTIAL SHOCK HAZARD	JUL77	WO SER 1149A07845 & BELOW & 1551U00495 & BELOW.BRIDGE AMPLIFIER OSCILLATIONS					
			SEP77	WO SER BELOW 1145A22870.REV OF RF DETECTOR	MAR81	WO ALL SER.MOD TO ELIM OSC IN VTMT MODE					
			SEP81	WO ALL SER.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT							

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331/332A-8A/333/334A-7A
 331/332A-9
 CONT'D
 331A/332A-10B-S
 CONT'D
 331A/332A-U-10-S
 CONT'D
 331A/332A-12/333A/334A-12
 332A-11A
 331A/332A/333A/334A-13
 331A/332A-14

MAR75 WA SER 982-04451 TO 1149A06575(331A);SER 985-01911 TO 1145A22750(332A);980-01886 TO 1137A02945(333A);993-02841 TO 1140A05365(334A).RF1 MOD KIT.SUPER 331/332A-8,333/334A-7 TO POWER LINE GROUND LEAD
 JUL77 WN SAFETY.331A-SER DOWN 1149A07206 & 332A-SER DOWN 1140A6311.ELIM OF POT SAFETY HAZD SHOCK HAZARD
 JUN76 WN SAFETY.331A SER BELOW 1440U00696;332A SER BELOW 1448U00346.MOD TO ELIMINATE POTENTIAL SHOCK HAZARD
 JUL77 WO SER 1149A07845 & BELOW & 1551U00495 & BELOW.BRIDGE AMPLIFIER OSCILLATIONS
 SEP77 WO SER BELOW 1145A22870.REV OF RF DETECTOR
 MAR81 WO ALL SER.MOD TO ELIM OSC IN VTMT MODE
 SEP81 WO ALL SER.TRBLESHNG PROC TO TEST INTERMITTENT METER CIRCUIT

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3469A

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3320A OPER & SERV MAN OCT76 03320-90002 MAY80 03320-90052 8L 01 09 04
 MAN CHANGE JAN80 03320-90002
 SERV NOTE SET BELOW OCT78
 3320A/B-1 DEC72 WO SER BELOW 1138A00135.REPL OF A12AQ3
 3320A/B-2 FEB76 WO 3320A SER BELOW 1524A00459.3320B SER BELOW 1532A01239.FUSE INSTALL STOP A8C4 FAILING
 CONT'D FROM DAMAGING A8 BOARD
 3320A/B-3B DEC77 WA ALL SER.MOD TO IMPROVE AIR CAP REL ELOW 1144A00199.STOP PWR SUPPLY DAMAGE
 3320A/B-4 FEB76 WA 3320A SER 1138A00336 TO 1524A00450.3320B SER 1319A00891 TO 1532A01235.AIR CAP FAIL
 3320A/B-6 AUG77 WO 3320A-NONE;3320B-SER 1319A01150 & BELOW.CONTROLLER ROM CHANGE

3320B OPER & SERV MAN OCT76 03320-90002 MAY80 03320-90052 8L 01 09 04
 MAN CHANGE JAN80 03320-90002
 SERV NOTE SET BELOW OCT78
 3320A/B-1 DEC72 WO SER BELOW 1138A00135.REPL OF A12AQ3
 3320A/B-2 FEB76 WO 3320A SER BELOW 1524A00459.3320B SER BELOW 1532A01239.FUSE INSTALL STOP A8C4 FAILING
 CONT'D FROM DAMAGING A8 BOARD
 3320A/B-3B DEC77 WA ALL SER.MOD TO IMPROVE AIR CAP REL ELOW 1144A00199.STOP PWR SUPPLY DAMAGE
 3320A/B-4 FEB76 WA 3320A SER 1138A00336 TO 1124A00450.3320B SER 1319A00891 TO 1532A01235.AIR CAP FAIL
 3320A/B-6 AUG77 WO 3320A-NONE;3320B-SER 1319A01150 & BELOW.CONTROLLER ROM CHANGE
 3320B-7 DEC77 WO ALL SER.IMPROVED STAB FOR D/A CONV

3320C OPER MAN JUN73 03320-90045 SEP73 03320-90095* 01 09 01 USE 3320C FICHE 03320-90090
 OPER & SERV MAN JAN74 03320-90042 AUG83 03320-90090 8L 01 09 03
 MAN CHANGE NOV76 03320-90042
 SERV NOTE SET BELOW OCT78
 3320C-1A OCT77 WA ALL SER.REPL PROC FOR AIR CAP
 3320C-2 FEB76 WN SER BELOW 1526A00201.FUSE INSTAL STOP A8C4 FAIL FROM DAMG A8 BOARD
 3320C-3 FEB76 WA SER 1314A00172 TO 1526A00201.AIR CAPACITOR FAILURE
 3320C-4 AUG77 WO SER BELOW 1314A00176.CONTROLLER ROM CHANGE
 3320C-5 DEC77 WO ALL SER.IMPR STABILITY FOR D/A CONV

3325A OPER & SERV MAN JUL78 03325-90000 FEB80 03325-90050* 8L 01 09 06 USE 3325A FICHE 03325-90051
 OPER & SERV MAN JAN81 03325-90001 NOV82 03325-90051* 8L 01 A1 06 USE 3325A FICHE 03325-90052
 OPER & SERV MAN MAY84 03325-90002 SEP84 03325-90052 8L 01 A1 01
 OPER MAN JAN81 03325-90012 DEC82 03325-90062* 8L 01 A1 02 USE 3325A FICHE 03325-90063
 OPER MAN MAY84 03325-90013 AUG84 03325-90063 8L 01 A1 02
 INSTALL NOTE DEC84 03325-90021 FEB85 03325-90221 8L 01 A1 01
 SERV NOTE SET BELOW OCT85
 3325A-1B FEB81 WA SER 1748A01200 & BELOW (USA);1818G00370 & BELOW (GER).PWR SUPPLY MOD TO ASSURE THAT
 CONT'D OVER-VOLT PROT CIRC WILL OPER PROPERLY
 3325A-2 JAN79 WN SER 1748A00231 THRU 1748A00425.REC MOD TO PREVENT EARLY FAILURE OF K1 RELAY
 3325A-3 JUN79 WO SER 1748A01300 & BELOW.MOD TO IMPROVE STATUS BYTE OPERATION.
 3325A-4 JUL79 WA SER 1748A01075 & BELOW.OUTPUT FUSE CHANGE.
 3325A-5A MAR80 WN SER 1748A02350 & BELOW.MOD TO IMPROVE SQUARE WAVE PHASE CONTROL
 3325A-6 FEB80 WA SER 1748A02300 TO 1748A02550.A6 BD ELECTROLYTIC CAP MAY BE INSTALLED INCORRECTLY
 3325A-7 APR80 WA SER 1748A02350 & BELOW.ADJ TO MIXER DRIVER TO IMPROVE REL
 3325A-8 APR80 WN ALL SER.RELAY CLEANING PROC
 3325A-9 JAN81 WO SER 1748A02476 TO 1748A04675.MOD TO IMPROVE OCS REL
 3325A-10B MAR83 WN SER 1748A04251 & ABOVE & 1748A04401 & ABOVE.NOT OF NEW PC BD CONN & CABLES
 3325A-11B-S NOV82 WA SAFETY.SER 1748A00101 THRU 1748A07339 & 1818G00101 THRU 1818G01930.NOTIFACA OF POT
 CONT'D ELECTR SHOCK HAZ
 3325A-12 AUG82 WN SER 1748A05825 & BELOW.PROC FOR INSTAL REV E PWR SUPPLY
 3325A-13 JAN84 WN SER 1748A04975 & BELOW.MOD TO PREV KEYBD CABLE ABRASION
 3325A-14 MAY84 WO SER 1748A13470 & BELOW.TRANS MOUNT MOD TO PREV INTERM RESET & ERRONEOUS FRONT PANEL

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34701A

34702A

34703A

34720A

34721A

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3325A-5A
3325A-6
3325A-7
3325A-8
3325A-9
3325A-10B
3325A-11B-S
CONT'D
3325A-12
3325A-13
3325A-14

JUL79 WA SER 1748A01075 & BELOW.OUTPUT FUSE CHANGE.
MAR80 WN SER 1748A02350 & BELOW.MOD TO IMPROVE SQUARE WAVE PHASE CONTROL
FEB80 WA SER 1748A02300 TO 1748A02550.A6 BD ELECTROLYTIC CAP MAY BE INSTALLED INCORRECTLY
APR80 WA SER 1748A02350 & BELOW.ADJ TO MIXER DRIVER TO IMPROVE REL
APR80 WN ALL SER.RELAY CLEANING PROC
JAN81 WO SER 1748A02476 TO 1748A04675.MOD TO IMPROVE OCS REL
MAR83 WN SER 1748A04251 & ABOVE & 1748A04401 & ABOVE.NOT OF NEW PC BD CONN & CABLES
NOV82 WA SAFETY.SER 1748A00101 THRU 1748A07339 & 1818G00101 THRU 1818G01930.NOTIFACA OF POT
ELECTR SHOCK HAZ
AUG82 WN SER 1748A05825 & BELOW.PROC FOR INSTAL REV E PWR SUPPLY
JAN84 WN SER 1748A04975 & BELOW.MOD TO PREV KEYBD CABLE ABRASION
MAY84 WO SER 1748A13470 & BELOW.TRANS MOUNT MOD TO PREV INTERM RESET & ERRONEOUS FRONT PANEL

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34721A/B

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3325A

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3325A-15
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NOV84 WO SER 1748A16023-1748A16025;1748A16030-1748A16039;1748A16042;1748A16044 & ABOVE.REC
DSPLY EPROM TO REPLACE MASKED ROMS
NOV84 WO SER.1748A16400 & BELOW.30 MHZ CRYSTAL CHNG TO PREV INTERM OSCIL FAIL
NOV84 WA SER 1748A16000 & BELOW.NEW WASHER IMPROV ATTEN BD REL

3325A-E04

MAN MODIF

OCT84 03325-90040 SEP85 03325-90053 8L 01 A1 01

3326A

OPER NOTE

NOV84 03326-90001 FEB85 03326-90201 8L 01 A1 01

333A

OPER & SERV MAN
MAN CHANGE
MAN CHANGE UK 333A
MAN CHANGE UK 334A
SERV NOTE SET BELOW
333A/334A-1B
331A/332A-4A,333A/
334A-2A
331A/332A-5,333A/
334A-3
331A/332A-6,333A/
334A-4
333A/334A-5
331A/332A-8A/333/
334A-7A
333A/334A-8
CONT'D
333A/334A-9B-S
333A/334A-U-9-S
334A-10
334A-U-10A
333A/334A-11
333A/334A-U-11
331A/332A-12/333A/
334A-12
331A/332A/333A/
334A-13
333A/3334A-14

OCT75 00333-90008
DEC80 00333-90008
MAR76 00333-90008
JUN77 00333-90008
JAN82

MAY69 A2Q1 RECOMMENDED REPLACEMENT
SEP71 333A SER 533-00250 + DOWN;334A SER 538-00200 + DOWN.A2CR6 + A2CR7 REC REPLACEMENT
MAY66 MOD TO EXTEND LIFETIME OF A2Q4
JAN67 AM CARRIER NOISE MEAS PROCEDURE
DEC67 WO 333A SER 624-00800 + DOWN;334A SER 625-00825 + DOWN.MOD TO REDUCE ZERO OFFSETS
MAR75 WA 982-04451 TO 1149A06575(331A);SER 985-0191 TO 1145A22750(332A);SER 980-01886 TO 1137
A02945(333A);SER 99302841 TO 1140A5365(334A).RF1 MOD KIT SPR 331A/332A-8,333A/334A7
APR75 WO SER 910-01351 TO 1137A02945(333A);SER 908-01866 TO 1140A05365(334A).INDUCTOR ADDED
TO POWER LINE GROUND LEAD
SEP77 WN SAFETY.333A SER BELOW 1137A03316;334A SER BELOW 1140A06311.MOD TO REDUCE SHOCK HAZRD
SEP76 WN SAFETY.333A SER 1141U00601A + DOWN;334A 1441U00745A + UP.MOD TO REDUCE SHOCK HAZARD
MAR76 WO SER 1145A05870 + DOWN.RF DETECT REPL
JUN76 WO SER 1532U-00840 + DOWN.RF DETECT REV
NOV76 WO 333A SER 1137A03550 + DWN,334A SER 1140A07060 + DOWN.TRANSIS BETA REVISION
JUN77 WO 333A-SER 1726U-00961 & BELOW;334A-1425U-01461 & BELOW.MOD TO TRANSISTORS
JUL77 WO SER 1137A03610 & BELOW & 1551U00950 & BELOW.BRIDGE AMPLIFIER OSCILLATIONS
MAR81 WO ALL SER.MOD TO ELIM OSC IN VTMT MODE
SEP81 WO ALL SER.TRLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT

3330A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3330A/B-1
3330A/B-2
3330A-3
3330A/B-4
3330A/B-5A
3330A/B-6
3330A/B-7
3330A/B-8A
3330A/B-9
3330A/B-10
3330A/B-11A
3330A/B-12
3330A/B-13

DEC76 03330-90002 MAR79 03330-90052 8L 01 09 04
AUG78 03330-90002
JUL81
NOV72 WO 3330A SER BELOW 3330B.3330B SER BELOW 1144A00199.MOD STOP PWR SUPPLY DAMAGE
DEC72 WO 3330A SER BELOW 1145A00105.3330B SER BELOW 1144A00160.PHASE DETECTOR MOD
SER BELOW 1145A00112.MOD STOP PWR SUPPLY OSCIL.NOT AVAILABLE
MAR74 WO ALL SER.OPT 002 CRYSTAL OSCILLATOR
DEC80 WO ALL SER.REPL PN FOR LED DISPLAYS
DEC74 WO ALL SER.POS CAUSE OF FREQ OFFSETS
MAR75 WO ALL SER.IDENT + USE OF OLD + NEW STYLE CONTROLLER BOARDS
AUG76 WO ALL 3330A SER.3330B SER BELOW 1313A01160.MOD STOP CONTROLLER BOARD FAILURES
SEP76 WN ALL SER.TEST FOR COMPAT WITH 3570A
OCT78 WA SER 1331A02237 & BELOW.REC ISOLATED HP-IB TIMING IMPROVEMENT.
MAR80 WA SER 1313A02622 & BELOW.MOD TO IMPROVE POWER SUPPLY REL
DEC79 WO SER 1313A02578 & BELOW.PROC FOR DELETING RELAY & IMPROVING PERF
JAN80 WN ALL SER.NOTIFICATION THAT 03330-69579 WILL NO LONGER BE AVAIL

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34721B
34740A

34750A

3476A

3476B

3478A

3480A

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3330A/B-5 - SER BELOW 1145A00112.MOD STOP PWR SUPPLY OSCIL.NOT AVAILABLE
 3330A/B-4 MAR74 WO ALL SER.OPT 002 CRYSTAL OSCILLATOR
 3330A/B-5A DEC80 WO ALL SER.REPL PN FOR LED DISPLAYS
 3330A/B-6 DEC74 WO ALL SER.POS CAUSE OF FREQ OFFSETS
 3330A/B-7 MAR75 WO ALL SER.IDENT + USE OF OLD + NEW STYLE CONTROLLER BOARDS
 3330A/B-8A AUG76 WO ALL 3330A SER.3330B SER BELOW 1313A01160.MOD STOP CONTROLLER BOARD FAILURES
 3330A/B-9 SEP76 WN ALL SER.TEST FOR COMPAT WITH 3570A
 3330A/B-10 OCT78 WA SER 1331A02237 & BELOW.REC ISOLATED HP-IB TIMING IMPROVEMENT.
 3330A/B-11A MAR80 WA SER 1313A02622 & BELOW.MOD TO IMPROVE POWER SUPPLY REL
 3330A/B-12 DEC79 WO SER 1313A02578 & BELOW.PROC FOR DELETING RELAY & IMPROVING PERF
 3330A/B-13 JAN80 WN ALL SER.NOTIFICATION THAT 03330-69579 WILL NO LONGER BE AVAIL

3480A

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3330A

3330A/B-14B
CONT'D
3330A/B-15
3330A/B-17JAN81 WA SER 1313A01918 & BELOW.CORRECT TERM OF HP-IB LINES ON A34 ASSY (READ THIS WHEN
CHANGING A6 ASSYS ON ABOVE UNITS
MAR81 WO ALL SER.REPL SLIDE SWITCHES ON A6 & A7 BDS WITH SHORT WIRE JUMPERS TO IMPR REL
FEB81 WO ALL SER.ON-SITE REPAIR SERV KIT FOR 3330A/B OPT 004

3330B

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3330A/B-1
3330A/B-2
3330B-3
3330A/B-4
3330A/B-5A
3330A/B-6
3330A/B-7
3330A/B-8A
3330A/B-9
3330A/B-10
3330A/B-11A
3330A/B-12
3330A/B-13
CONT'D
3330A/B-15
CONT'D
3330B-15A
3330B-16
3330A/B-17DEC76 03330-90002 MAR79 03330-90052 8L 01 09 04
AUG78 03330-90002
JUL81
NOV72 WO 3330A SER BELOW 3330B.3330B SER BELOW 1144A00199.MOD STOP PWR SUPPLY DAMAGE
DEC72 WO 3330A SER BELOW 1145A00105.3330B SER BELOW 1144A00160.PHASE DETECTOR MOD
SER BELOW 1305A00260.MOD STOP PWR SUPPLY OSCIL.NOT AVAILABLE
MAR74 WO ALL SER.OPT 002 CRYSTAL OSCILLATOR
DEC80 WO ALL SER.REPL PN FOR LED DISPLAYS
DEC74 WO ALL SER.POS CAUSE OF FREQ OFFSETS
MAR75 WO ALL SER.IDENT + USE OF OLD + NEW STYLE CONTROLLER BOARDS
AUG76 WO ALL 3330A SER.3330B SER BELOW 1313A01160.MOD STOP CONTROLLER BOARD FAILURES
SEP76 WN ALL SER.TEST FOR COMPAT WITH 3570A
OCT78 WA SER 1331A02237 & BELOW.REC ISOLATED HP-IB TIMING IMPROVEMENT.
MAR80 WA SER 1313A02622 & BELOW.MOD TO IMPROVE POWER SUPPLY REL
DEC79 WO SER 1313A02578 & BELOW.PROC FOR DELETING RELAY & IMPROVING PERF
JAN80 WN ALL SER.NOTIFICATION THAT 03330-69579 WILL NO LONGER BE AVAIL
JAN81 CHANGING A6 ASSYS ON ABOVE UNITS F HP-IB LINES ON A34 ASSY (READ THIS WHEN
MAR81 WO SER 1313A01160 & BELOW.REPL SLIDE SWITCHES ON A6 & A7 BDS WITH SHORT WIRE JUMPERS TO
IMPROVE REL
JUL80 WN ALL SER.TRBLSHNG TIPS FOR SWEEP PROBLEMS IN SYST APPLICATIONS
NOV80 WO ALL SER.REC REPL HP-IB A6 BD TO IMPROVE PERF
FEB81 WO ALL SER.ON-SITE REPAIR SERV KIT FOR 3330A/B OPT 004

33311B

SERV NOTE SET BELOW
33311B-1
33311B-2/33311C-1OCT79
DEC75 WO ALL SER.CLEANING OF SOLENOID CONTACTS
MAY79 WN SER 1560A & BELOW.MOD TO IMPROVE CONTACT REL OF COAXIAL SWITCHES.

33311C

SERV NOTE SET BELOW
33311B-2/33311C-1OCT79
MAY79 WN SER 1560A & BELOW.MOD TO IMPROVE CONTACT REL OF COAXIAL SWITCHES.

33330B/C

SERV NOTE SET BELOW
33330B/C-1OCT79
SEP76 WN ALL SER.DIODE MODULE REPLACEMENT

3335A

OPER & SERV MAN
OPER & SERV MAN
REV PAGES A
MAN CHANGE
OPER MAN
INSTALL NOTE
OPER NOTE
SERV NOTE SET BELOW
3335A-1
CONT'D
3335A-2
3335A-3
3335A-4
3335A-5
3335A-6
3335A-7
3335A-8JUN77 03335-90002 FEB78 03335-90050* 8L 01 09 06 USE 3335A FICHE 03335-90051
AUG78 03335-90003 JUN81 03335-90051 8L 01 09 06
OCT78 03335-90003
APR81 03335-90003
JAN79 03335-90011 DEC82 03335-90061 8L 01 A1 01
DEC84 03335-90020 FEB85 03335-90220 8L 01 A1 01
DEC84 03335-90022 FEB85 03335-90222 8L 01 A1 01
OCT83
JUL78 WA SER BELOW 1640A00261 OPT 002, 003, 00 4 & ALL SER STD & OTHER OPTS.MOD TO PREVENT
AUTO SWEEP MODE ROM ERROR
SEP78 WN SER BELOW 1640A00300.ELIM OF POT PROB WHEN REPL A4U56,A5Q1,A5Q2,A5CR3,OR A4.
OCT78 WN SER BELOW 1640A00376.REC INSTALL OF SPEC SWEEP MODE SWITCH.
MAR80 WO SER 1640A00703 & BELOW.MOD TO PREVENT LOCKING FAILURES OF SUMMATION VCO
MAR80 WO SER 1640A00703 & BELOW.MOD TO IMPR SWEEP OUTPUT REL
APR81 WN ALL SER.TEST SPEC CHANGE FOR INTEGRATED PHASE NOISE TEST
APR81 WN ALL SER.NOTIF OF AVAIL OF SERV KIT (03335-69800)
MAY81 WN ALL SER.EQUIP SAFETY PROCED FOR TRBLSHNG CONTROLLER (A13) ASSY11/08/85
MODEL
NUMBER

3480A/B

3480B

3480C

3480C/D

3480D

3480D-001

3480D-004

3481A

3482A

3484A

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3335A

3335A-9

JUN83 WA SER 1640A01900 & BELOW.MOD TO CURE INTERM DISPLAY BLANK & RANDOM CONTROL

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3335A-1
CONTD
3335A-2
3335A-3
3335A-4
3335A-5
3335A-6
3335A-7
3335A-8

JUL78 WA SER BELOW 1640A00261 OPT 002, 003,00 4 & ALL SER STD & OTHER OPTS.MOD TO PREVENT
AUTO SWEEP MODE ROM ERROR
SEP78 WN SER BELOW 1640A00300.ELIM OF POT PROB WHEN REPL A4U56,A5Q1,A5Q2,A5CR3,OR A4.
OCT78 WN SER BELOW 1640A00376.REC INSTALL OF SPEC SWEEP MODE SWITCH.
MAR80 WO SER 1640A00703 & BELOW.MOD TO PREVENT LOCKING FAILURES OF SUMMATION VCO
MAR80 WO SER 1640A00703 & BELOW.MOD TO IMPR SWEEP OUTPUT REL
APR81 WN ALL SER.TEST SPEC CHANGE FOR INTEGRATED PHASE NOISE TEST
APR81 WN ALL SER.NOTIF OF AVAIL OF SERV KIT (03335-69800)
MAY81 WN ALL SER.EQUIP SAFETY PROCED FOR TRBLSHTNG CONTROLLER (A13) ASSY

3484A

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MODEL NUMBER	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION	
3335A	3335A-9	JUN83	WA SER 1640A01900 & BELOW.	MOD TO CURE INTERM DISPLAY BLANK & RANDOM CONTROL							
3335A-10A	OPER NOTE	DEC84	03335-90021	FEB85	03335-90221	8L	01	A1	01		
3336A	OPER & SERV MAN SERV MAN INSTALL NOTE OPER NOTE	OCT79 JUN83 DEC84 DEC84	03336-90000 03336-90001 03326-90002 03336-90021	DEC79 JUL83 FEB85 FEB85	03336-90050* 03336-90051 03326-90202 03336-90221	8L	01	A1	04	USE 3336A FICHE 03336-90051	
3336A/B/C	SERV NOTE SET BELOW 3336A/B/C-1 CONT'D 3336A/B/C-2 CONT'D 3336A/B/C-3 3336A/B/C-4A CONT'D 3336A/B/C-5B-S CONT'D 3336A/B/C-6 3336A/B/C-9 3336A/B/C-10 3336A/B/C-14 CONT'D 3336A/B/C-15A CONT'D	MAR80 MAR80 MAY81 AUG82 NOV82 NOV81 SEP82 FEB85 FEB85	WN 3336A SER 1930A00118 & BELOW; WN 3336A SER 1930A00103-1930A00112; WN ALL SER.NOTIF OF SPARE PARTS SERV KIT WN 3336A:SER 1930A00409 & BELOW; WA SAFETY.3336A:SER 1930A00409 THRU WN ALL SER INSTALL OPT 004 RETROFIT KIT WN SPARE PARTS SERV KIT WN ALL SER.RELAY CLEANING PROC WO 3336A:SER 1930A00987 & BELOW; WO 3336A:SER 1930A01115 & BELOW;	OCT85 3336B SER 1931A00116 & BELOW; 3336B SER 1931A00101-1931A00110; SERV KIT (03336-68701) SER 1931A00396 & BELOW; SER 1932A00276 & BELOW; SER 1932A00340.NOTIFCA OF POT ELECTR SHOCK HAZ SER 1931A01735 & BELOW; SER 1932A00667 SER 1931A02240 & BELOW; SER 1932A00850 & BELOW. HIGH FAIL RATE IN 30HMZ REF CRYSTAL(A3Y1:P/N 0410-1115)							
3336B	OPER & SERV MAN SERV MAN OPER MAN OPER NOTE	OCT79 JUN83 OCT79 DEC84	03336-90000 03336-90001 03336-90010 03336-90021	DEC79 JUL83 DEC82 FEB85	03336-90050* 03336-90051 03336-90060 03336-90221	8L	01	A1	04	USE 3336B FICHE 03336-90051	
3336C	OPER & SERV MAN SERV MAN OPER MAN OPER NOTE	OCT79 JUN83 OCT79 DEC84	03336-90000 03336-90001 03336-90010 03336-90021	DEC79 JUL83 DEC82 FEB85	03336-90050* 03336-90051 03336-90060 03336-90221	8L	01	A1	04	USE 3336C FICHE 03336-90051	
334-10B	INSTALL NOTE	DEC84	00334-90010	FEB85	00334-90210	8L	01	A1	01		
334A	OPER & SERV MAN MAN CHANGE MAN CHANGE UK 333A MAN CHANGE UK 334A SERV NOTE SET BELOW 333A/334A-1B 331A/332A-4A,333A/ 334A-2A 331A/332A-5,333A/ 334A-3 331A/332A-6,333A/ 334A-4 333A/334A-5 331A/332A-8A/333/ 334A-7A 333A/334A-8	OCT75 DEC80 MAR76 JUN77 MAY69 SEP71 MAY66 JAN67 DEC67 MAR75 APR75	00333-90008 00333-90008 00333-90008 00333-90008 A2Q1 RECOMMENDED REPLACEMENT 333A SER 533-00250 + DOWN; MOD TO EXTEND LIFETIME OF A2Q4 AM CARRIER NOISE MEAS PROCEDURE WO 333A SER 624-00800 + DOWN; WA 982-04451 TO 1149A06575(331A); WO SER 910-01351 TO 1137A02945(333A);	MAR81 OCT85 SER 538-00200 + DOWN. A2CR6 + A2CR7 REC REPLACEMENT SER 625-00825 + DOWN. MOD TO REDUCE ZERO OFFSETS SER 985-0191 TO 1145A22750(332A); SER 980-01886 TO 1137 A02945(333A); SER 99302841 TO 1140A5365(334A). RF1 MOD KIT SPR 331A/332A-8,333A/334A7 SER 908-01866 TO 1140A05365(334A). INDUCTOR ADDED							

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3484A

3484A-H04

3484A-041

3484A-042

3484A-043

3485A

3488A

349A

349A-H01

349A-H02

3490A

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334A	CONT'D 333A/334A-9B-S 333A/334A-11-0-S	SEP77	WN SAFETY.333A SER BELOW 1137A03316; 334A SER BELOW 1140A06311.	MOD TO REDUCE SHOCK HAZRD						

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331A/332A-3,333A/334A-3
 331A/332A-6,333A/334A-4
 333A/334A-5
 331A/332A-8A/333/334A-7A
 333A/334A-8

MAR67 AM CARRIER NOISE MEAS PROCEDURE
 DEC67 WO 333A SER 624-00800 + DOWN;334A SER 625-00825 + DOWN.MOD TO REDUCE ZERO OFFSETS
 MAR75 WA 982-04451 TO 1149A06575(331A);SER 985-0191 TO 1145A22750(332A);SER 980-01886 TO 1137A02945(333A);SER 99302841 TO 1140A5365(334A).RF1 MOD KIT SPR 331A/332A-8,333A/334A7
 APR75 WO SER 910-01351 TO 1137A02945(333A);SER 908-01866 TO 1140A05365(334A).INDUCTOR ADDED

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334A CONT'D TO POWER LINE GROUND LEAD
 333A/334A-9B-S SEP77 WN SAFETY.333A SER BELOW 1137A03316;334A SER BELOW 1140A06311.MOD TO REDUCE SHOCK HAZRD
 333A/334A-U-9-S SEP76 WN SAFETY.333A SER 1141U00601A + DOWN;334A 1441U00745A + UP.MOD TO REDUCE SHOCK HAZARD
 334-10B SEP77 WO SER 1145A05870 & BELOW.REC REPL FOR A4 R.F. DETECT ASSY
 334A-U-10A JUN76 WO SER 1532U-00840 + DOWN.RF DETECT REV
 333A/334A-11 NOV76 WO 333A SER 1137A03550 + DWN.334A SER 1140A07060 + DOWN.TRANSIS BETA REVISION
 333A/334A-U-11 JUN77 WO 333A-SER 1726U-00961 & BELOW;334A-1425U-01461 & BELOW.MOD TO TRANSISTORS
 331A/332A-12/333A/334A-12 JUL77 WO SER 1137A03610 & BELOW & 1551U00950 & BELOW.BRIDGE AMPLIFIER OSCILLATIONS
 331A/332A/333A/334A-13 MAR81 WO ALL SER.MOD TO ELIM OSC IN VTMT MODE
 333A/334A-14 SEP81 WO ALL SER.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT

335B SERV NOTE SET BELOW JUL81
 M-4 JAN71 CRYSTAL OVEN MERCURY COLUMN THERM RPL
 335B - CRYSTAL OVEN HEATER RELAY REPLACEMENT
 335B-1 - CRYSTAL REPL + RETUNING PROCEDURE
 335B-2 - NOT AVAILABLE
 335B-3 - NOT AVAILABLE
 335B-4 - SCHEMATIC DIAGRAM
 335B-5 - NOT AVAILABLE
 335B-6 - NOT AVAILABLE
 335B-7 - NOT AVAILABLE
 335B-8 - NOT AVAILABLE
 335B-9 - NOT AVAILABLE
 335B-10 - SER 567 + DOWN.PWR SUPPLY,CRYSTAL OVEN CIR MODIFICATIONS

3380B OPER & SERV MAN JAN66 03380-90000 MAY84 03380-98000 8L 01 09 02
 MAN CHANGE JUL66 03380-90000

339A OPER & SERV MAN NOV77 00339-90000 JAN78 00339-90050* 8L 01 09 02 USE 339A FICHE 00339-90051
 OPER & SERV MAN APR78 00339-90001 MAY83 00339-90051 8L 01 09 02
 MAN CHANGE A FEB83 00339-90001
 MAN CHANGE B FEB83 00339-90001
 SERV NOTE SET BELOW JUL84
 339A-1 AUG78 WA SER BELOW 1730A00451.SOLVING OSC PROBLEMS WHEN TSTNG HI GAIN AMPLIFIERS
 339A-2 AUG78 WN SER BELOW 1730A00410.PROC FOR REPL OF ZENER DIODES A4CR5,A4CR11 & PHOTOCELLS A3E1/E2
 339A-3 SEP78 SER BELOW 1730A00555.REPL PROC FOR PHOTOCCELL A3E1.
 339A-4A OCT78 WN SER BELOW 1730A00409.REPL PROC FOR PHOTOMODULE A2E1.
 339A-5 JUL80 WA SER 1730A01955 & BELOW.SOLUTION TO RANGE-TO-RANGE DISTORTION PROBLEM
 339A-6 JUL80 WO SER 1730A02155 & BELOW.SWITCH-SHAFT COUPLER CHANGE TO IMPROVE RELIABILITY
 339A-7A DEC80 WN SER 2025A02365 & BELOW.SOL TO INADEQUATE FREQ VERNIER OVERLAP
 339A-8 JUN81 WO ALL SER.TRBLESHTNG PROC.TO TEST INTERMITTENT METER CIRC.
 339A-9 MAR84 WO ALL SER.MOD TO PREV DRIFT ON ODB DIST RNGE

340A OPER & SERV MAN JAN00 340A-900 SEP70 00340-90006 01 04 01

340B OPER & SERV MAN AUG68 00340-90004 MAY81 00340-90007 8L 01 04 02
 MAN CHANGE DEC80 00340-90004
 SERV NOTE SET BELOW JAN83
 340B/342A-4 MAR68 ALL SER.BURNOUT PROTECTION ADJUSTMENT
 340B/342A-5 AUG82 WA 340B:SER 1940A03431 TO 2038A03431;342A:SER 1930A03371 TO 2038A03644;MOD TO PREV R120
 CONT'D SHORTING OUT

3400A OPER & SERV MAN JUN72 03400-90008 SEP83 03400-90058 8L 01 09 02

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3490A

3495A

3496A

3496B

3497A

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3400A OPER & SERV MAN DEC82 03400-90012 JUN84 03400-90062* 8L 01 09 02 USE 3400A FICHE 03400-90063
 OPER & SERV MAN AUG84 03400-90013 JUN85 03400-90063 8L 01 09 02
 MAN CHANGE MAY85 03400-90013
 SERV NOTE SET BELOW JAN85

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3497A

MAN CHANGE GMBH FEB78 U3406-90005
 SERV NOTE SET BELOW
 3406A-1A JAN85
 3406A-7 MAR67 REC REPL.OBSOLETES 3406A-1,2,3,4,5,6
 3406A-8A AUG69 WO REC REPL FOR A303
 3406A-9 SEP84 WO SER 1722A07575 & BELOW.CALIB ASSY REC PART REPL
 JAN73 WN A3Q12 REPL

35071C OPI
 35071D OPI
 3513A OPI

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3406A		3406A-10	SEP81	WO SER 1722A06222	TO 1722A06322	TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRC					
3410A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3410A-1 3410A-2 3410A-3B 3410A-4 3410A-5	APR69 JUL72	03410-90002 03410-90002	JAN76	03410-90052	8L	01	09	02	
34111A		OPER NOTE OPER NOTE	JAN77 FEB78	34111-90001 34111-90002	AUG77 APR78	34111-90051* 34111-90052	8L	01	09	01	USE 34111A FICHE 34111-90052
34112A		OPER NOTE	OCT77	34112-90001	DEC77	34112-90051	8L	01	09	01	
34113A		OPER NOTE OPER NOTE OPER NOTE	MAY77 AUG77 JUN80	34113-90001 34113-90002 34113-90003	AUG77 SEP77 SEP80	34113-90051* 34113-90052* 34113-90053	8L	01	09	01	USE 34113A FICHE 34113-90052 USE 34113A FICHE 34113-90053
34114A		OPER NOTE	MAY77	34114-90001	AUG77	34114-90051	8L	01	09	01	
34115A		OPER NOTE	JAN77	34115-90000	AUG77	34115-90050	8L	01	09	01	
34196A		OPER & SERV MAN OPER & SERV MAN	JUL79 JUN82	03496-90001 03496-90002	NOV79 DEC82	03496-90051* 03496-90052	8L	01	09	03	USE 34196A FICHE 03496-90052
34196B		OPER & SERV MAN	JUN82	03496-90002	DEC82	03496-90052	8L	01	09	04	
342A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 340B/342A-4 342A-1A 340B/342A-5 CONT'D	NOV68 NOV81	00342-90001 00342-90001	JAN82	00342-90002	8L	01	04	02	
3420A		OPER & SERV MAN MAN CHANGE	JAN73 OCT76	03420-90004 03420-90004	SEP77	03420-90054	8L	01	09	03	
3420A/B		SERV NOTE SET BELOW 3420A-1/3420B-2 204B-2/208A-2/403B- 2/419A-4/3420B-1 3420A/3420B-4 CONT'D 3420A/B-5C-S 3420A/B-6 3420A/B-7 3420B-8A	FEB67 JAN67	3420A SER BELOW 620-00175.3402B SER BELOW 621-00200.PREF REPL INPT POLAR SWITCH S4 MAINTENANCE INSTRUCT FOR OBTAINING OPTIMUM LIFE FROM NICKEL-CADMIUM BATTERIES	APR79						
			FEB71	WO 3420A SER 954-00416 + UP.3420B SER 952-00601 + UP.REC REPL OF SENSI SWITCH SHAFTS. SUPER 3420A-2/3420B-3 DATE 11/70-9							
			NOV78	WA SAFETY.ELIM OF POTENTIAL SAFETY HAZARD							
			JUL75	WO SER BELOW 09502A00980.RED NOISE AT RECORDER OUTPUT ESP 50 HZ,230 V AC OPER							
			AUG75	WO SER BELOW 1524A00995.REC REPL FOR INSULATOR ON DECADE SWITCH A1S6-A1S11							
			JAN78	WN ALL SER.MOD TO ACCEPT NEW TYPE BATT							
3420B		OPER & SERV MAN MAN CHANGE	JAN73 OCT76	03420-90004 03420-90004	SEP77	03420-90054	8L	01	09	03	
3421A		OPER, PROG, CONF MAN	NOV82	03421-90000	JAN83	03421-90050*	8L	01	09	04	USE 3421A FICHE 03421-90056

11/08/85
MODEL
NUMBER
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3514A OPE
 3520/3521 SER
 352
 352
 3524A OPE
 3524A/3525A SER
 352
 352
 35
 352
 35
 352
 3525A OPE
 3526/3527 SER
 352
 352
 35
 352
 35
 352
 3529A OPE
 OPE
 353A OPE
 MAN
 3534A OPE
 3535A OPE
 REV
 MAN
 SER
 353
 3537A OPE
 3538A OPE
 REV
 MAN
 SER
 353
 354A OPE
 3540B OPE
 3541A/3544A SER
 354

116

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 131
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3421A		SERV MAN OPER PROG CONFG MAN OPER NOTE SERV MAN REVISION - A MAN CHANGE	OCT82 MAR83 APR83 AUG83 AUG83 APR85	03421-90001 03421-90006 03421-90007 03421-90008 03421-90008 03421-90008	JAN83 MAY83 MAY83 JUN85	03421-90051* 03421-90056* 03421-90057 03421-90058	8L	01	09	02	USE 3421A FICHE 03421-90058 USE 3421A FICHE 03421-90060

11/08/85
MODEL
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3543B OPE
 355C OPE
 OPE
 OPE

3420B OPER & SERV MAN MAN CHANGE JAN73 03420-90004 SEP77 03420-90054 8L 01 09 03
 3421A OPER, PROG, CONF MAN NOV82 03421-90000 JAN83 03421-90050* 8L 01 09 04 USE 3421A FICHE 03421-90056

3540B OPER
 3541A/3544A SERV 3541/

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3421A		SERV MAN	OCT82	03421-90001	JAN83	03421-90051*	8L	01	09	02	USE 3421A FICHE 03421-90058
		OPER PROG CONFG MAN	MAR83	03421-90006	MAY83	03421-90056*	8L	01	09	04	USE 3421A FICHE 03421-90060
		OPER NOTE	APR83	03421-90007	MAY83	03421-90057	8L	01	09	01	
		SERV MAN	AUG83	03421-90008	JUN85	03421-90058	8L	01	09	05	
		REVISION - A	AUG83	03421-90008							
		MAN CHANGE	APR85	03421-90008							
		OPER & SERV MAN	MAR84	03421-90010	DEC84	03421-90060	8L	01	09	04	
		MAN CHANGE	OCT84	03421-90010							
		SERV NOTE SET BELOW			APR85						
		3421A-1C	NOV84	WN ALL SER.PERF VERIF & CALIBR PROG TAPE							
		3421A-2A	JUL83	WN ALL SER.44462A ACTUATOR/MULTIPLEXER JUMPER CONFIG							
		3421A-3A	MAY83	WN ALL SER.TRANS RESTRIC BD BETWEEN UNITED STATES & CANADA TO EUROPE							
		3421A-4	FEB83	WN ALL SER.REC REPL FOR A1U101 INP OPER AMPLF							
		3421A-5	DEC84	WN ALL SER.THERMOCOUPLE REF JUNCTION CALIB USING TEMP CALIB BD (03421-66505)							
		3421A-6	MAR84	WA SER 2338A02935 & BELOW.MOD TO WAKE UP CIR TO IMPR REL OF HPIL PWR-UP COMMAND							
		3421A-8	MAY84	WO SER 2338A03052 & BELOW.MOTHERBD ROM REPL PROC							
		3421A-9	JUN84	WN SER 2338A03053 & ABOVE.FRONT PAN DSPLY OPER CHANGE							
3421A-212		INST & SERV MAN	AUG83	03421-90009	DEC83	03421-90059	8L	01	09	02	
343A		OPER & SERV MAN	NOV69	00343-90003	NOV79	00343-90005	8L	01	04	01	
		MAN CHANGE	APR79	00343-90003							
		SERV NOTE SET BELOW			JAN81						
		343A-1	OCT67	ALL SER.NEW EXCESS NOISE SPECS							
3430A		OPER & SERV MAN	SEP69	03430-90002	JAN71	03430-90052				01 09 03	
		MAN CHANGE	OCT70	03430-90002							
		MAN CHANGE UK	AUG70	03430-90002							
		SERV NOTE SET BELOW			MAY78						
		3430A-1C	OCT70	WO MOD,REPL PRTS,PROC FOR IMPR PERFORM							
		3430A-2	JUN67	SER BELOW 641-00700.REC REPL FOR HOLD DOWN BAR							
		3430A-3	JUN67	SER BELOW 641-00800.MOD IMPR LINEARITY AT 400 + ABOVE COUNT LEVEL							
		3430A-4	-	NOT AVAILABLE							
		3430A-5	JUN68	SER BELOW 749-01600.MOD IMPR LINEARITY AT 400 + ABOVE COUNT LEVEL							
		3430A-6	-	WO A5Q1 SER BELOW 749-01851.A5Q2 + A5Q3 SER 749-01951.REC REPL FOR A5Q1,A5Q2,A5Q3							
		3470A-7	DEC74	WO SAFTY.SAFTY HAZARD ELIM.ELIM POTENTIAL SHOCK HAZARD							
3431A		OPER & SERV MAN	JUL71	03431-90000	JUN74	03431-90050				01 09 02	
		MAN CHANGE	JAN73	03431-90000							
		MAN SUPP B	SEP71	03431-90000							
		SERV NOTE SET BELOW			MAY78						
		3431A-1	OCT71	WO SER BELOW 1103A00400.FUSE REPLACEMENT							
		3431A-2	OCT71	WO SER BELOW 1103A00250.CORREC ASSY ERR							
		3431A-3	JUN67	SER BELOW 1103A00280. IMPR PWR SUPY TURN-ON AT LOW TEMPERATURES							
		3431A-4	AUG74	WN TROUBLESHOOTING PROCEDURE							
3431B		OPER & SERV MAN	JUL71	03431-90000	JUN74	03431-90050				01 09 02	
		MAN CHANGE	JAN73	03431-90000							
		MAN SUPP B	SEP71	03431-90000							
3431C		OPER & SERV MAN	JUL71	03431-90000	JUN74	03431-90050				01 09 02	
		MAN CHANGE	JAN73	03431-90000							
		MAN SUPP B	SEP71	03431-90000							
3431D		OPER & SERV MAN	JUL71	03431-90000	JUN74	03431-90050				01 09 02	

11/08/85 MODEL NUMBER O C

3543B OPER

355C OPER
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355D OPER
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 SERV
 355D-

355E OPER
 OPER
 OPER
 OPER

355F OPER
 OPER
 OPER
 OPER

3550A OPER
 MAN C

3550A/B SERV
 3550A
 3550A

3550B OPER
 MAN C

3551A OPER
 OPER
 OPER
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 3551A
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3431D		MAN CHANGE	JAN73	03431-90000	JUN74	03431-90050				01 09 02	
		MAN SUPP B	SEP71	03431-90000							
3434A		OPER & SERV MAN	AUG69	03434-90001	AUG81	5951-6134	8L	01	09	02	
		SERV NOTE SET BELOW			APR79						
		3434A-1A	JUN68	SER BELOW 718-00180.COMPARATOR CIRCUIT DIODE REPLACEMENT							
3435A		OPER & SERV MAN	JAN80	03435-90002	AUG85	03435-90052	8L	01	09	02	

11/08/85 MODEL NUMBER O C

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 OPER &
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 MAN CH
 SERV M
 3551/5

3431D OPER & SERV MAN JUL71 03431-90000 JUN74 03431-90050 01 09 02

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 132

MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M P D P L T V G	DESCRIPTION
3431D		MAN CHANGE MAN SUPP B	JAN73 SEP71	03431-90000 03431-90000	JUN74	03431-90050	01 09 02	
3434A		OPER & SERV MAN SERV NOTE SET BELOW 3434A-1A	AUG69 JUN68	03434-90001	AUG81 APR79	5951-6134	8L 01 09 02	SER BELOW 718-00180.COMPARATOR CIRCUIT DIODE REPLACEMENT
3435A		OPER & SERV MAN MAN CHANGE	JAN80 JUN85	03435-90002 03435-90002	AUG85	03435-90052	8L 01 09 02	
3435A/B		SERV NOTE SET BELOW 3435A-1B 3435A-2 3435A-3 3435A-4A 3435A-5 3435A-6B 3435A-7	DEC82 MAR78 OCT78 NOV80 NOV80 MAR84 JUN81	WO ALL SER.REPL PN LED DISPLAY WN ALL SER.REPL PROC OF 0.1 OHM CURRENT SHUNT WO SER 1606A06400 & BELOW.REC REPL OF A1U14 & A1U15 DIGIT DRIVERS. WN ALL SER.FRONT PANEL SWITCH INFO WO ALL SER.MOD TO PREVENT 20 OHM RANGE DRIFTING OUT OF SPEC WITH ZERO OHMS INPUT WO SER 1606A07700 & BELOW.MOD TO IMPR HI FREQ RESPONSE WN ALL SER.LIST OF USER CONFIG LINE VOLTAGE OPTS	JUL84			
3437A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3437A-1 3437A-2 3437A-3 3437A-4A 3437A-5 3437A-6A 3437A-7 3437A-8 3437A-9	JAN77 JAN79 APR85 AUG77 - SEP79 NOV80 NOV80 APR81 APR83 AUG82 FEB83	03437-90002 03437-90003 03437-90003	AUG77 JUN85	03437-90050* 03437-90051	8L 01 09 03 8L 01 09 04	USE 3737A FICHE 03437-90051
3438A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3438A-1 3438A-2 3438A-3 3438A-4A 3438A-5A 3438A-6 3438A-7	JUL77 FEB78 JUN85 DEC81 JAN80 MAR78 OCT78 JUN80 NOV80 NOV80 DEC82	03438-90000 03438-90001 03438-90002 03438-90002	DEC77 APR78 SEP85	03438-90050* 03438-90051* 03438-90052	8L 01 09 02 8L 01 09 02 8L 01 09 02	USE 3438A FICHE 03438-90051 USE 3438A FICHE 03438-90052
3439A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3439A-1A 3439A-2 3439A-3	JUN69 MAY72 - JAN68 MAY68	03439-90002 03439-90002	JUN72 JAN81	03439-90052	01 09 03	WO SER BELOW 751-02125.PREF REPL COMPARATOR DIODES SER BELOW 640-01450.PREF REPL A9Q7/8 SER BELOW 751-02050.REC REPL A3Q8
3440A		OPER & SERV MAN MAN CHANGE	JUL70 JUN76	03440-90005 03440-90005	SEP77	03440-90055	8L 01 09 02	

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3552A		OPER & SERV MAN SERV NOTE SET BELOW 3551A-1 3551A-2 3551A-3 3551A-4 3551A-5 3551A-6 3551A-7 3551A-8 3551A-9						
3555A		OPER & SERV MAN SERV NOTE SET BELOW 3555A-1 3555A-2 3555A-3 3555A-4 3555A-5 3555A-6 3555A-7 3555A-8 3555A-9						
3555B		OPER & SERV MAN SERV NOTE SET BELOW 3555B-1 3555B-2 3555B-3 3555B-4 3555B-5 3555B-6 3555B-7 3555B-8 3555B-9						
3556A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3556A-1 3556A-2 3556A-3 3556A-4 3556A-5 3556A-6 3556A-7 3556A-8 3556A-9						
35601A		OPER & SERV MAN OPER & SERV MAN						
3561A		OPER & SERV MAN SERV NOTE SET BELOW INSTALLATION SERV NOTE SET BELOW 3561A-1 3561A-2 3561A-3 3561A-4 3561A-5 3561A-6 3561A-7 3561A-8 3561A-9						

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3440A		SERV NOTE SET BELOW 3440A-1A 3440A-2 3440A-3A 3440A-5 3440A-6 3440A-7 3440A-8 3440A-9D 3440A-10	APR64 AUG64 APR66 APR65 DEC65 JUN65 AUG65 AUG68	SER BELOW 347-00301.MOD TO UP DC ISOLATION VOLTAGE SER BELOW 415.REC MOD RED WRN-UP TIME MOD ADD ISOL RECRD OUTPT SER BELOW 439-02226.REC REPL A3Q18 + A9Q6 SER BELOW 415-00925.MOD CONVERT PRINT COMMAND OUTPUT FROM AC TO DC COUPLED SER 439,435,421,415,347,314.MOD REQ WHEN REPL A3Q15 SER BELOW -03475.MOD IMPR ACCUR OF VOLT READ AROUND 10V AT ELEVATED TEMPERATURE WN SER BELOW 637.PREF TRANS REPLACEMENT	JAN81			
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11/08/85 MODEL NUMBER O C

3561A		3561A-7 3561A-8						
3562A		OPER NO						
35677A		SERV MA						
35677A/B		SERV NO						

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3440A		SERV NOTE SET BELOW			JAN81						
		3440A-1A	APR64	SER BELOW 347-00301		MOD TO UP DC ISOLATION VOLTAGE					
		3440A-2	AUG64	SER BELOW 415		REC MOD RED WRN-UP TIME					
		3440A-3A	APR66	MOD ADD ISOL RECRD OUTPT							
		3440A-5	APR65	SER BELOW 439-02226		REC REPL A3Q18 + A9Q6					
		3440A-6	DEC65	SER BELOW 415-00925		MOD CONVERT PRINT COMMAND OUTPUT FROM AC TO DC COUPLED					
		3440A-7	JUN65	SER 439,435,421,415,347,314		MOD REQ WHEN REPL A3Q15					
		3440A-8	AUG65	SER BELOW -03475		MOD IMPR ACCUR OF VOLT READ AROUND 10V AT ELEVATED TEMPERATURE					
		3440A-9D	AUG68	WN SER BELOW 637		PREF TRANS REPLACEMENT					
		3440A-10C	AUG71	MOD CONV 1-2-2-4 TO 1-2-4-8		BCD CODE					
		3440A-11	AUG66	SER 541-04076 TO 606-05625		PREF REPL FOR A4C1					
		3440A-12	AUG66	ALL SER		REVISED OPERATING PROCEDURE					
		3440A-13	OCT66	WN SER BELOW 606-05875		PREF REPL DS6/7					
		3440A-14	DEC66	SER BELOW 415-00725		MOD STOP OVERLOAD POWER SUPPLY					
		3440A-15A	OCT71	WO REC REPL		COMPARATOR DIODES					
		3440A-16	JAN68	SER BELOW 637-08325		PREF REPL A9Q7/8					
		3440A-17	MAY68	WO SER BELOW 749-10425		REC REPL A3Q11					
		3440A-19	AUG80	WN ALL SER		MOD TO IMPR STABILITY OF DISPLAY					
3441A		OPER NOTE	OCT65	03441-90004	OCT80	03441-90054	8L	01	09	01	
3442A		SERV NOTE SET BELOW			JAN81						
		3442A-1A/3443A-1A	AUG66	SER BELOW 440-01141		PREF REED RELAY					
		3442A-2	APR68	SER BELOW 440-03190		PREF REPL A1Q8					
3443A		OPER & SERV MAN MAN CHANGE	JUL70	03443-90004	SEP71	03443-90054	01	09	02		
		SERV NOTE SET BELOW	AUG70	03443-90004							
		3443A-1A/3443A-1A	AUG66	SER BELOW 440-01141		PREF REED RELAY					
		3443A-2	NOV67	WN MOD AVOID ZERO OFFSET + FALSE AUTO RANGING							
		3443A-3	MAR68	SER BELOW 444-03725		MOD TO ELIM COMPN FAIL WHILE AUTORANGING WITH HI INPUT VOLTAGES					
3444A		OPER & SERV MAN MAN CHANGE	APR70	03444-90004	DEC75	03444-90054	8L	01	09	02	
		SERV NOTE SET BELOW	MAR75	03444-90004							
		3444A-1	NOV65	SER BELOW 536-00656		CAPACITIVE COMPENSATION WHEN REPLACING A3Q3					
		3444A-2	DEC66	SER BELOW 534-01750		PREF REPL A1R18					
		3444A-3	MAR68	SER BELOW 644-03750		PREF REPL FOR A2Q2 TO IMPR REL					
3445A		OPER & SERV MAN SERV NOTE SET BELOW	APR73	03445-90004	JUL73	03445-90054	01	09	02		
		3445A-1A	AUG66	SER BELOW 512-00550		PREF REPL FOR A3Q8, A3R17, + P6					
		3445A-4	AUG67	SER BELOW 707-02025		MOD TO RED PRINTOUT INACCURACIES					
		3445A-5				CALIBRAT PROC FOR 10 + 100V AC RANGES					
		3445A-6A	OCT67	WN ADD CAUTION DECAL "DISCONNECT 3440A SHORTING BAR WHEN MEAS AC LINE VOLTAGE"							
		3445A-7/3446A-2	JAN71	WN 3445A SER BELOW 602-01475		3446A SER BELOW 603-00130					
3446A		OPER & SERV MAN MAN CHANGE	MAY68	03446-90001	AUG70	03446-90051	01	09	02		
		SERV NOTE SET BELOW	JUN70	03446-90001							
		3445A-7/3446A-2	JAN71	WN 3445A SER BELOW 602-01475		3446A SER BELOW 603-00130					
		3446A-1	JUL68	SER BELOW 713-00225		MOD TO IMPR PERF					
345B		OPER & SERV MAN MAN CHANGE	NOV67	00345-90002	NOV79	00345-90005	8L	01	04	01	
			APR79	00345-90002							

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3561A		3561A-7 3561A-8
3562A		OPER NOT
35677A		SERV MAN
35677A/B		SERV NOT 35677A/B CONT'D 35677-2 CONT'D
35677B		SERV MAN
35678A		OPER NOT
35678B		OPER NOT
35679A		OPER NOT
35679B		OPER NOT
3570A		OPER & S OPER & S MAN CHAN SERV NOT 3570A-1 3570A-2A 3570A-3A 3570A-4A 3570A-5 3570A-6A 3570A-7A 3570A-8 3570A-9 3570A-10 3570A-11 3570A-12 3570A-13 3470A-14
3571A		OPER & S MAN CHAN OPER & S SERV NOT 3571A-1 3571A-2 3571A-3A 3571A-4
3575A		OPER & S MAN CHAN SERV NOT 3575A-1

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											

3450A		OPER & SERV MAN SERV NOTE SET BELOW	JUN71	03450-90004	SEP71	03450-90054	01	09	06		
		3450A-1	JUL69	WA SER BELOW 916-00550		MOD TO UP CHARGING TIME + REDUCE CURRENT SPIKES					
		3450A-2	JUL69	SER BELOW 935-01000		PROC FOR HANDLING PRINT COMMAND HOLD OFF PROBLEMS					
		3450A-3	JUL69	PROC FOR TRBLSHTG AC CONV PHOTOCELLS							
		3450A-4	JUL69	WO LO LEVEL LOGIC CONVERSION							
		3450A-5	JUL69	WA SER BELOW 916-00800		REC REPL A13Q13					
		3450A-7A	MAR70	WA MOD TO STAB DATA COUNTER OSCILLATOR							
		3450A-8	MAR70	WA SER BELOW 946-01200		MOD FOR IMPROVED PERFORMANCE					
		3450A-9	MAR70	WO REPL PRTS		SUPER 3450A-6					

11/08/85 MODEL NUMBER	O C	LITE
3575A		3575A-2 3403C-4/3 3575A-3 3575A-4B 3575A-5A 3576A-6 CONT'D
3577A		OPER MAN SERV MAN

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3450A	OPER & SERV MAN SERV NOTE SET BELOW	JUN71 03450-90004	SEP71 03450-90054	01 09 06				
	3450A-1	JUL69 WA	SER BELOW 916-00550.MOD TO UP CHARGING TIME + REDUCE CURRENT SPIKES					
	3450A-2	JUL69	SER BELOW 935-01000.PROC FOR HANDLING PRINT COMMAND HOLD OFF PROBLEMS					
	3450A-3	JUL69	PROC FOR TRBLSHTG AC CONV PHOTOCELLS					
	3450A-4	JUL69 WO	LO LEVEL LOGIC CONVERSION					
	3450A-5	JUL69 WA	SER BELOW 916-00800.REC REPL A13Q13					
	3450A-7A	MAR70 WA	MOD TO STAB DATA COUNTER OSCILLATOR					
	3450A-8	MAR70 WA	SER BELOW 946-01200.MOD FOR IMPROVED PERFORMANCE.SUPER 3450A-6					
	3450A-9	MAR70 WO	REPL PRTS.SUPER 3450A-6					
	3450A-10	JAN71 WO	SER BELOW 959-01700.REC REPL KITS FOR A56 + A57 CIRCUIT BOARDS					
	3450A-11	DEC71 WO	TRBLSHTG INFORMATION					
3450B	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JAN76 03450-90007 NOV77 03450-90007	JAN78 03450-90057	8L 01 09 04				
	3450B-1	MAR74 WA	AC ZEROING PROBLEMS					
	3450B-2	APR74 WA	INTERMITTENT TRANSFER					
	3450B-3	JUL75 WA	INTERMITTENT OHMS CONVERTER FAILURE					
	3450B-4A	JUN76 WN	ALL SER.REC PRT REPL TO IMPR COUNT STABILITY ON 100MV RANGE					
	3450B-5A	DEC82 WN	SER 1229A01480 & BELOW.REC PWR SUPPY TRANSFORMER REPL					
3453A	OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW	JUL79 03453-90001 JAN82 03453-90002	NOV79 03453-90051* APR82 03453-90052	8L 01 09 05 8L 01 09 06	USE 3453A FICHE 03453-90052			
	3453A-3A	JUL82 WA	ALL SER.MOD TO IMPR REL OF SYNCHRONIZ CIR OF DSRU DUAL ACTION					
	3453A-4A	MAR83 WN	ALL SER.PROPER ALIGN OF HP-IB INTERFACE CONN					
	3453A-5A	MAY84 WN	ALL SER.RED INTERN & REOCCURR DSRU FAIL					
3455A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE OPER INFO OPER INFO SERV NOTE SET BELOW	NOV76 03455-90002 MAY82 03455-90003 APR85 03455-90003 AUG76 03455-90010 NOV79 03455-90013	MAY79 03455-90050* JUN85 03455-90053 DEC76 03455-90060* SEP80 03455-90063	8L 01 09 04 8L 01 09 05 8L 01 09 01 8L 01 09 01	USE 3455A FICHE 03455-90053 USE 3455A FICHE 03455-90063			
	3455A-1	JUL77 WN	ALL SER.BUS PROGRAMMING T1DBITS					
	3455A-2	JUN77 WN	COMPONENT CHANGES TO IMPROVE INSTRUMENT UTILITY & AC ACCURACY					
	3455A-3A	APR78 WA	SER 1622A01055 & BELOW.MOD TO IMPROVE STABILITY OF ZERO DETECT AMPLIFIER					
	3455A-4	SEP77 WA	ALL SER.MODIF TO IMPROVE AIR CAPACITOR RELIABILITY					
	3455A-5A	MAR78 WN	ALL SER.REMOVAL & REPL PROC FRONT PANEL SWITCH					
	3455A-6	SEP77 WA	SAFETY.SER BELOW 1622A00544.FUSE MOD TO PREVENT COMP DAMAGE					
	3455A-7A	SEP79 WA	SER 1622A05650 & BELOW.MOD TO IMPROVE TURN-ON REL					
	3455A-8	JAN78 WO	SER BELOW 1622A01655.IMPR IN AC HEAT SENSITIVITY					
	3455A-9A	MAY78 WN	ALL SER.MOD IN INSTR PERF TEST					
	3455A-10	MAY78 WN	ALL SER.MOD TO IMPROVE PERF OF FRONT PANEL PUSHBUTTONS					
	3455A-11	AUG78 WO	SER 1622A03305 & BELOW.MOD TO IMPR TRUE RMS RESPONSE TO LOW LEVEL HI FREQ VOLTAGES					
	3455A-12C	MAY79 WO	SER 1622A04830 & BELOW.MOD TO IMPROVE OHMS CONVERTER RESPONSE TIME.					
	3455A-13	DEC78 WA	SER 1622A03538 & BELOW.REC MODS TO REDUCE SW BOUNCE & A1U48 OSCILLATIONS.					
	3455A-14	MAY79 WA	ALL SER.MOD TO IMPROVE A/D CONVERTER PERF.					
	3455A-15	SEP79 WO	SER 1622A06300 & BELOW.MOD TO IMPROVE TRUE RMS LOW FREQ RESP & DATA REL					
	3455A-16	SEP79 WO	SER 1622A05300 & BELOW.PROC TO REPL RELAY A10K1					
	3455A-17B	OCT84 WO	ALL SER.MOD TO REDUCE AC DRIFT					
	3455A-18B CONTD	APR84 WN	SER 1622A09090 & BELOW.PREF REPL FOR FET'S A10Q1,Q2,Q3,Q4,Q13,Q14,Q15,Q16,Q18,Q19, Q21,Q38,& Q39					

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3575A	3575A-2 3403C-4/34 3575A-3 3575A-4B 3575A-5A 3576A-6 CONT'D
3577A	OPER MAN SERV MAN INSTALL MA SERV NOTE 3577A-1 3577A-2 3577A-3 3577A-4 CONT'D 3577A-5 3577A-6
3580A	OPER & SER OPER & SER INSTALL NO OPER NOTE OPER NOTE SERV NOTE 3580A-1 3580A-2/35 3581A/C-2/ 3580A-4 3580A-5A 3580A-6 3580A-7 3580A-8 3580A-9 3580A-10 3580A-11/3 3580A-12
3581A	OPER & SER REV PAGES MAN CHANGE OPER MAN OPER NOTE
3581A/C	SERV NOTE 3580A-2/35 3581A/C-2/ 3581A/C-3 03581A/C-4 3581A/C-5 CONT'D 3581A/C-6 CONTD 3581A/C-7

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3455A	3455A-19 3455A-20C 3455A-21 3455A-22A 3455A-23 3455A-24	DEC82 WN JUN84 WN MAR83 WN MAY83 WN MAY83 WN APR85 WN	ALL SER.REC LED DISPLAY REPL ALL SER.INTRO OF ON-SITE SERVICE KIT ALL SER.DC PERF TEST ON 100V & 1000V RANGES SER.1622A12900 & BELOW.REC REPL OF TERMINAL ASSY ALL SER.REC REST EQUIP CHANGE SER 2519 & ABOVE AND 1622 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION					
3456A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3456A-1D	JUN80 03456-90000 JAN82 03456-90004 MAR85 03456-90004	FEB81 03456-90050* MAY85 03456-90054	8L 01 09 03 8L 01 09 05	USE 3456A FICHE 03456-90054			
	3456A-1D	JUL85 WN	ALL SER.INTRO OF CUSTOMER SERVICE KIT FOR BD LEVEL REPAIR					

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3581A/C	3581A-8 CONT'D 3581A/C-8 CONT'D 3581A/C-9 CONT'D 3581A/C-10A CONT'D 3580A-11/35
3581C	OPER & SERV REV PAGES

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3455A 3455A-19 DEC82 WN ALL SER.REC LED DISPLAY REPL
 3455A-20C JUN84 WN ALL SER.INTRO OF ON-SITE SERVICE KIT
 3455A-21 MAR83 WN ALL SER.DC PERF TEST ON 100V & 1000V RANGES
 3455A-22A MAY83 WN SER.1622A12900 & BELOW.REC REPL OF TERMINAL ASSY
 3455A-23 MAY83 WN ALL SER.REC REST EQUIP CHANGE
 3455A-24 APR85 WN SER 2519 & ABOVE AND 1622 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION

3456A OPER & SERV MAN JUN80 03456-90000 FEB81 03456-90050* 8L 01 09 03 USE 3456A FICHE 03456-90054
 OPER & SERV MAN JAN82 03456-90004 MAY85 03456-90054 8L 01 09 05
 MAN CHANGE MAR85 03456-90004
 SERV NOTE SET BELOW OCT85
 3456A-1D JUL85 WN ALL SER.INTRO OF CUSTOMER SERVICE KIT FOR BD LEVEL REPAIR
 3456A-2 FEB81 WN ALL SER.3456A DIG VLTM PROD SUPPORT PKG (03456-69900) CONTENTS & OPER INSTRUCTS
 3456A-3 FEB81 WN ALL SER.CONTENTS & OPER INSTRUCTS FOR 03456-69901 PROD SUPPORT PKG
 3456A-4A MAR83 WN ALL SER.NOTIF OF SPARE PARTS KIT (03456-69802) FOR 3456A PRODUCT SUPPORT PKG
 3456A-5 JUN81 WA SER 2015A02970 & BELOW.REC MOD FOR AC RELAY PROTECTION
 3456A-6A JUL85 WN ALL SER.LIST OF 50HZ/60HZ LINE FREQ OPTS VS XTAL PNS FOR A30 INGUARD LOGIC PC BD
 3456A-7 JUN81 WA SER BELOW 2015A02161.REC MOD TO INCREASE +33 VOLT REL
 3456A-8 SEP81 WO SER 2015A00381 & BELOW.MOD TO IMPROVE A4 MAIN CONTROLLER BD
 3456A-9 AUG81 WO SER BELOW 2015A03071.PREF ROM REPL
 3456A-10 SEP81 WN ALL SER.PROC TO SELECT CORRECT VALUE OF R FOR A20R150
 3456A-11 SEP81 WN ALL SER.HF-IB SIGNATURE ANALYSIS MODULES
 3456A-12 APR83 WN SER 2015A.DIFF BET INSTR WITH & WITHOUT COOLING FANS
 3456A-13 MAY82 WA SER 2201A05331 & BELOW.MOD TO IMPR DIGITAL CIR PERF
 3456A-14 AUG82 WN SER 2201A06299 & BELOW.MOD TO ENHANC ANALOG CIR
 3456A-15 MAY82 WA SER 2201A04796 & BELOW.MOD TO IMPR PERF MAIN CONT BD
 3456A-16A JUL85 WO SER 2201A & BELOW.MOD TO MAKE A3 BD ASSY COMPAT WITH LIST SER
 3456A-17A FEB83 WN ALL SER.KIT FOR COMPON LEVEL REPAIR
 3456A-18 AUG83 WO SER 2201A08690 & BELOW.MOD REP WASHERS A20 ASSY
 3456A-19 MAR84 WO SER 2201A06750 THRU 2201A10500.POSS CAUSE FOR ANALOG FILTR FAIL
 3456A-20 APR85 WN SER 2512 & ABOVE AND 2201 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION

3457A OPER MAN APR85 03457-90000 NOV85 03457-90050 8L 01 09 05
 QUICK REF GUIDE APR85 03457-90002
 MAN CHANGE AUG85 03457-90000
 SERV MAN APR85 03457-90010 NOV85 03457-90060 8L 01 09 03

3459A OPER & SERV MAN JAN69 03459-90001 JAN78 5951-6155 8L 01 09 03
 SERV NOTE SET BELOW MAY78
 3460A-8 DEC71 WO ALL SER.REC REPL FOR OVEN CONTROLLED POWER SUPPLY TRANSISTOR A19A1Q1
 3459A-1A/3460A-4A JUN67 SER BELOW 537-00150.PREF REPL A17Q4
 3459A-2A/3460A-5A FEB67 SER BELOW 53700125.PREF REPL FOR DIODE A14CR1
 3460A-7A/3459-3A JAN67 WO SER BELOW 53700150.REPL OF CAP A2C5 + A2C10 IF FAIL + WHEN 147 PF CAP NOT AVAILABLE
 3460A-8/3459A-4 JAN67 SER BELOW 537-00150.PREF REPL FOR A491 + A18Q6
 3459A JAN67 SER BELOW 537-00150.REC REPL A6R13
 3459A-6/3460A-10 FEB67 DIG TO ANALOG RESIST ASSY IS AVAILABLE ON EXCHANGE
 3460B-2/3460A-11/ MAY67 WO SER BELOW 625-00195.MOD TO AVOID PREMATURE TRIGGERING OF READING PERIOD FLIP-FLOP
 3459A-9
 3460B-3/3460A-12/ MAY67 WO SER BELOW 625-00195.PREF REPL A18C3
 3459A-8
 3460B-4/3460A-13 MAY67 WO SER BELOW 717-00205.MOD TO AVOID OSCILLATION ON A1Q5 OUTPUT
 3459A-9
 3460B-5/3460A-15 MAY67 WO SER BELOW 717-00225.PREF REPL A2Q8 + A2Q9
 3459A-10
 3459A-11A OCT73 WO ALL SER.REPL OVEN ASSEMBLY

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 3581A/C 3581A-8
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 3581A/C-9
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 3581A/C-10A
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 3580A-11/358

3581C OPER & SERV
 REV PAGES NO
 MAN CHANGE
 OPER NOTE

3582A OPER MAN
 SERV MAN
 OPER MAN
 SERV MAN
 MAN CHANGE
 OPER MAN
 OPER NOTE
 INSTALL NOTE
 OPER NOTE
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 INSTALL NOTE
 SERV NOTE SE
 3582A-1
 3582A-2
 3582A-3
 3582A-4B
 3582A-5
 3582A-6
 3582A-7
 3582A-8A
 3582A-9
 3582A-10B
 3582A-11
 3582A-12

3585A OPER MAN
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 SERV MAN
 MAN CHANGE A
 INSTALL NOTE
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 3585A-1
 3585A-2B
 3585A-3
 3585A-4
 3585A-5
 3585A-6A

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*** DESCRIPTION ***											
3459A		3459A-12-S	FEB77	WN SAFETY.ALL SER. REV TO MIN SHOCK POTL							
346A		OPER & SERV MAN MAN CHANGE	NOV83 AUG84	00346-90010 00346-90010	FEB85	00346-90011	8L	01	04	01	
346B		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 346B-1 346B-2 346B-3 346B-4	AUG79 MAY83 NOV83 AUG84	00346-90004 00346-90007 00346-90010 00346-90010	AUG80 DEC83 FEB85	00346-90005* 00346-90008* 00346-90011	8L	01	04	01	USE 346B FICHE 00346-90008 USE 346A/B/C FICHE 00346-90011
					JUL84						
			OCT80	WA SER 2015A & BELOW.MOD REDUCING TIME SOURCE REQUIRES TO TURN OFF TO IMPROVE NOISE-OFF MEASUREMENTS							
			MAY82	WA SER 2037A00994 TO 2037A01454.SER NO LABEL INSTAL BACKWARDS							
			OCT82	WO SER 2037A01401 TO 2037A01457;MOD TO PREV SPURIOUS 300 MHZ OSCILLATION							
			APR84	WN ALL SER. RF CONN CARE							
346C		OPER & SERV MAN MAN CHANGE	NOV83 AUG84	00346-90010 00346-90010	FEB85	00346-90011	8L	01	04	01	
3460A		OPER & SERV MAN SERV NOTE SET BELOW 3460B-8 40A-3460A-1 3460A-1 3460A/B-1/3461A-3/ 3462A-4 3460A-2 3460A-3 3459A-1A/3460A-4A 3459A-2A/3460A-5A 3460A-6 3460A-7A/3459A-3A 3460A-8/3459A-4 3460A-9 3459A-6/3460A-10 3460A/B-10A 3460B-2/3460A-11/ 3459A-7 3460B-3/3460A-12/ 3459A-8 3460B-4/3460A-13/ 3459A-9 40A-3460A-14 3460B-5/3460A-15/ 3459A-10 3460A-16B-S/ 3460B-11A-S	JAN00	03460-90003	MAY73 MAY78	03460-90053		01	09	03	
			DEC71	WO ALL SER.REC REPL FOR OVEN CONTROLLED POWER SUPPLY TRANSISTOR A19A1Q1.							
			JUL68	SER BELOW 706-01080.COMPATIBILITY MOD FOR 5050A/B + 2547A							
			JUN65	MOD TO PERMIT AC + OHMS MEAS WITH 2410B-M22 AC/OHMS CONVERTER							
			JUN74	WO ALL SER.REPR OF OHMS OVEN ASSEMBLY							
			SEP65	WO SER BELOW 507-00185.PREF REPL FOR A17K1 + A2Q11							
			MAY68	WO SER BELOW 507-00260.REC TRANS REPL							
			JUN67	SER BELOW 507-00370.PREF REPL A17Q4							
			FEB67	SER BELOW 507-00285.PREF REPL FOR DIODE A14CR1							
			SEP66	PROC FOR BAL MATCHED ASSY A4 + A5							
			JAN67	WO SER BELOW 63000725.REPL OF CAP A2C5 + A2C10 IF FAIL + WHEN 147 PF CAP NOT AVAILABLE							
			JAN67	SER BELOW 630-00675.PREF REPL FOR A4Q1 + A18Q6							
			JAN67	SER BELOW 622-00575.REPL OF PHOTOCHOP							
			FEB67	DIG-TO-ANALOG RESIST ASSY IS AVAILABLE ON AN EXCHANGE BASIS							
			APR75	WO ALL SER.REPL OVEN ASSEMBLY							
			MAY67	WO SER BELOW 706-00925.MOD TO AVOID PREMATURE TRIGGERING OF READING PERIOD FLIP-FLOP							
			MAY67	WO SER BELOW 706-00925.PREF REPL A18C3							
			MAY67	WO SER BELOW 706-00935.MOD TO AVOID OSCILLATION ON A1Q5 OUTPUT							
			JUN67	SER BELOW 706-00935.REC REPL A17CR7							
			MAY67	WO SER BELOW 706-00965.PREF REPL FOR A2Q8 + A2Q9							
			JAN77	WN SAFTY.SAFTY HAZARD ELIM.REV TO MINIMIZE SHOCK POTENTIALS							
3460B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3460A/B-1/3460A-3/ 3462A-4 3460B-1 3460B-2/3460A-11/	JUL69 SEP75	03460-90004 03460-90004	JAN76	03460-90054	8L	01	09	04	
					OCT78						
			JUN74	WO ALL SER.REPR OF OHMS OVEN ASSEMBLY							
			AUG71	MOD TO PERMIT USE WITH 3461A FOR MEASURING AC VOLTAGE + RESISTANCE							
			MAY67	WO MOD TO AVOID PREMATURE TRIGGERING OF READING PERIOD FLIP-FLOP.							

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3460B-3/3460A-12/ MAY67 WO SER BELOW 706-00925.PREF REPL A18C3
 3459A-8
 3460B-4/3460A-13/ MAY67 WO SER BELOW 706-00935.MOD TO AVOID OSCILLATION ON A1Q5 OUTPUT
 3459A-9
 H04-3460A-14 JUN67 SER BELOW 706-00935.REC REPL A17CR7
 3460B-5/ 3460A-15/ MAY67 WO SER BELOW 706-00965.PREF REPL FOR A2Q8 + A2Q9
 3459A-10
 3460A-16B-S/ JAN77 WN SAFTY.SAFTY HAZARD ELIM.REV TO MINIMIZE SHOCK POTENTIALS
 3460B-11A-S

3460B OPER & SERV MAN JUL69 03460-90004 JAN76 03460-90054 8L 01 09 04
 MAN CHANGE SEP75 03460-90004
 SERV NOTE SET BELOW OCT78
 3460A/B-1/3460A-3/ JUN74 WO ALL SER.REPR OF OHMS OVEN ASSEMBLY
 3462A-4
 3460B-1 AUG71 MOD TO PERMIT USE WITH 3461A FOR MEASURING AC VOLTAGE + RESISTANCE
 3460B-2/3460A-11/ MAY67 WO MOD TO AVOID PREMATURE TRIGGERING OF READING PERIOD FLIP-FLOP.

3586B-C

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3460B 3459A-7
 3460B-3/3460A-12/ MAY67 WO SER BELOW 709-00250.PREF REPL A18C3
 3459A-8
 3460B-4/3460A-13/ MAY67 WO SER BELOW 709-00250.MOD TO AVOID OSCILLATION ON A1Q5 OUTPUT
 3459A-9
 3460B-5/3460A-15/ MAY67 WO SER BELOW 709-00325.PREF REPL A2Q8/9
 3459A-10
 3460B-6 SEP67 SER BELOW 709-00250.MOD TO STOP 3460B SWITCHING TRANSIENTS FROM DAMG MODEL 3461A
 3460B-7 APR68 SER BELOW 813-00600.MOD REQUIRED FOR OPERATIONS WITH 5050A
 3460B-8 SEP71 WO SER BELOW 0977A01325.REC REPL A19A1Q1
 3460B-9 SEP63 WN ALL SER.TRBLSHTG REED RELAYS IN DIGITAL-TO-ANALOG CONVERTER
 3460A/B-10A APR75 WO ALL SER.REPL OVEN ASSEMBLY.
 3460A-16B/3460B-11A JAN77 WN SAFETY.ALL SER.ELIMINATION OF POTENTIAL SHOCK HAZARD

3461A OPER & SERV MAN APR71 03461-90001 MAR72 03461-90051 01 09 03
 MAN CHANGE DEC71 03461-90001
 SERV NOTE SET BELOW OCT78
 3461A-1 APR68 SER BELOW 803-00225.PREF REPL A32G2/3
 3461A-2 JUL69 WO MOD TO CONV TO NEW MORE REL CONNECTOR
 3461A-4-S SEP77 WA SAFETY.ALL SER.REV TO MIN SHOCK POT

3462A OPER & SERV MAN DEC72 03462-90001 APR73 03462-90051 01 09 05
 SERV NOTE SET BELOW JAN80
 3462A-1 AUG70 WO SER BELOW 947-00160.MOD OF A19 REF PWR SUPPLY TO STOP POS DAMG TO D-TO-A REEDS ON A21
 CONT'D BRD DUE TO DISCHARGING OF A19C2
 3462A-2 SEP70 WO SER BELOW 924-00145 EXCEPT 913-00120, -00129, -00132, -00141, -00143.MOD TOELIM THERMAL
 CONT'D OFFSET VOLTAGES IN D-TO-A CONV SECT
 3462A-3 OCT73 WO ALL SER.REPL OVEN ASSEMBLY
 3460A/B-1/3460A-3/ JUN74 WO ALL SER.REPR OF OHMS OVEN ASSEMBLY
 3462A-4

3465A OPER & SERV MAN MAR77 03465-90007 JAN78 03465-90057* 8L 01 09 02 USE 3465A FICHE 03465-90058
 OPER & SERV MAN MAY79 03465-90008 JUN82 03465-90058 8L 01 09 02
 MAN CHANGE MAR82 03465-90008
 SERV NOTE SET BELOW JAN85
 3465A-1 AUG75 WA SER 1521A00100 TO 1521A-00200.MOD TO REDUCE TEMPERATURE SENSITIVITY
 3465A-2 SEP70 WO SER 1521A00100 + UP.PRECAUTION PROC
 3465A-3B JUL77 WO SER BELOW 1546A01501.REPL OF A1R75
 3465A-4B DEC82 WN ALL SER.REC LED DISPLAY REPL
 3465A-5C SEP84 WN ALL SER.CORRECT REPL PART NUMBER FOR BATTERIES
 3465A-6 OCT80 WN SER 1546A05400 & BELOW.ADJ PROC FOR AC-DC CONVERTER
 3465A-7B MAY81 WN ALL SER.FRONT PNL SW INFO

3465B OPER & SERV MAN AUG76 03465-90010 JAN78 03465-90060* 8L 01 09 02 USE 3465B FICHE 03465-90062
 OPER & SERV MAN NOV78 03465-90012 JUN82 03465-90062 8L 01 09 02
 MAN CHANGE MAR82 03465-90012
 SERV NOTE SET BELOW JAN85
 3465B-1B DEC82 WN ALL SER.REC LED DISPLAY REPL
 3465B-2B SEP84 WN ALL SER.REPL PART NO FOR 3465B BATTERIES.FOR HP USE:00091-60013.CUST USE 82033A
 3465B-3B MAY81 WN ALL SER.FRONT PNL SW INFO
 3465B-4 JUN81 WN ALL SER.TABLE OF JUMPER & CONFIG FOR LINE VOLTAGE OPTS
 3465B-5 MAY82 WN ALL SER.CHARGING INSTRUT TO EXTEND BATTERY LIFE

3466A OPER & SERV MAN JUL77 03466-90000 DEC77 03466-90050* 8L 01 09 02
 OPER & SERV MAN JAN78 03466-90001 APR78 03466-90051* 8L 01 09 02 USE 3466A FICHE 03466-90052

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3591A

3592A

3593A

3594A

3595A

3604A

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3681A

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2A-8,333/334A-7
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3465A-6	OPER & SERV MAN	AUG76 03465-90010	JAN78 03465-90060*	8L 01 09 02 USE 3465B FICHE 03465-90062
3465A-7B	OPER & SERV MAN	NOV78 03465-90012	JUN82 03465-90062	8L 01 09 02
	MAN CHANGE	MAR82 03465-90012	JAN85	
	SERV NOTE SET BELOW			
3465B-1B		DEC82 WN ALL SER.REC LED DISPLAY REPL		
3465B-2B		SEP84 WN ALL SER.REPL PART NO FOR 3465B BATTERIES.FOR HP USE:00091-60013.CUST USE 82033A		
3465B-3B		MAY81 WN ALL SER.FRONT PNL SW INFO		
3465B-4		JUN81 WN ALL SER.TABLE OF JUMPER & CONFIG FOR LINE VOLTAGE OPTS		
3465B-5		MAY82 WN ALL SER.CHARGING INSTRUT TO EXTEND BATTERY LIFE		
3466A	OPER & SERV MAN	JUL77 03466-90000	DEC77 03466-90050*	8L 01 09 02
	OPER & SERV MAN	JAN78 03466-90001	APR78 03466-90051*	8L 01 09 02 USE 3466A FICHE 03466-90052

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3466A		OPER & SERV MAN	JUN79	03466-90002	MAR82	03466-90052*	8L	01	09	02	USE 3466A FICHE 03466-90053
		OPER & SERV MAN	JAN84	03466-90003	JUN85	03466-90053	8L	01	09	02	
		MAN CHANGE - A	APR85	03466-90003							
		SERV NOTE SET BELOW									
		3466A-1	APR78	WA SER BELOW 1716A01186	LESS OPTS 001 + 002.MOD TO PREVENT & RESTORATION PROC FOR FULLY DISCHD BATTERY						
		CONT'D									
		3466A-2	MAR78	WN ALL SER.REPL PROC OF 0.1 OHM CURRENT SHUNT							
		3466A-3	APR78	WN ALL SER.CLARIFICATION OF INSTRUCT SPECS ON AC RANGE WITH INPUT SHORTED							
		3466A-4A	OCT78	WO ALL SER.REC REPL OF INTERGRATOR OF AMP U400							
		3466A-5	MAY78	WN ALL SER.IMPROVED TEST FOR A4 LOGIC BD							
		3466A-6A	JAN83	WN SER 1716A14170 & BELOW.REC TRUE RMS CONVERTER REPL							
		3466A-7	OCT78	WO SER 1716A03380 & BELOW.REC REPL OF A4U905,A4U906,A4U911 DIGIT DRIVER							
		3466A-8A	NOV80	WN ALL SER.FRONT PNL SW INFO							
		3466A-9	MAR81	WN SER 1716A03980 & BELOW & INSTR IN WHICH U102 IS REPL.MOD TO IMPR LOW READINGS IN THE 200MV & 20MV DC RANGES							
		CONT'D									
		3466A-11	DEC82	WN ALL SER.REC LED DISPLAY REPL							
		3466A-12	JAN83	WN SER 12061 & BELOW;&SER 1211-12143.IMPR COMMON MODE REJEC OF INPUT AMPLF							
		3466A-13	JAN83	WN ALL SER.REC LED DISPLAY REPL							
		3466A-14	FEB84	WN SER 1716A18811 & ABOVE.MOD TO CREATE 1A DC ADJ							
3467A		OPER & SERV MAN	MAR79	03467-90000	JUN85	03467-90050	8L	01	09	04	INCLUDES REVISION A
		MAN CHANGE	MAY85	03467-90000							
		SERV NOTE SET BELOW									
		3467A-1	JUL79	WA SER 1821A00320 & BELOW.MOD TO PROTECT A9U1 & A9U2 FR DAMAGE WHEN ANALOG SHIELD REMVD							
		3467A-2	NOV79	WA SER 1821A00270 & BELOW.MOD TO PREVENT SPURIOUS BLANKING OF THE LED READOUT							
		3467A-3	NOV80	WA ALL SER.INSULATOR SPACER REPL (HP 4040-1415)							
		3467A-4	MAR81	WA ALL SER.MOD TO CORRECT ERRATIC DISPLAY WHEN PRINTER IS ACTIVATED							
		3467A-5	DEC82	WN ALL SER.REC LED DISPLAY REPL							
		3467A-6	JAN85	WO SER 1821A01214 & BELOW.IMPROV COMMON MODE REJEC OF IMPUT AMPLF							
3468A		OPER MAN	NOV81	03468-90000	MAY82	03468-90050*	8L	01	09	02	USE 3468A FICHE 03468-90053
		SERV MAN	DEC81	03468-90001	MAR82	03465-90051*	8L	01	09	03	USE 3468A FICHE 03468-90054
		OPER MAN	MAR82	03468-90003	JUL82	03468-90053*	8L	01	09	02	USE 3468A FICHE 03468-90055
		SERV MAN	JUN82	03468-90004	DEC82	03468-90054*	8L	01	09	03	USE 3468A FICHE 03468-90056
		OPER MAN	JAN83	03468-90005	JUL85	03468-90055	8L	01	09	02	
		MAN CHANGE	MAY85	03468-90005							
		SERV MAN	FEB83	03468-90006	AUG83	03468-90056*	8L	01	09	03	USE 3468A FICHE 03468-90057
		SERV MAN	FEB84	03468-90007	JUL85	03468-90057	8L	01	09	03	
		MAN CHANGE	MAY85	03468-90007							
3468A/B		SERV NOTE SET BELOW									
		3468A-1A	APR84								
		3468A-2	FEB83	WN ALL SER.REC LED DISPLAY REPL							
		3468A-3	FEB83	WN ALL SER.REC REPL FOR A1U101 INP OPER AMPLF							
		3468B-1	JAN84	WN SER 2137A03601 THRU 2137A05900.PRINTED CIR BD CHANG & SIGNATURE ANALYSIS							
			FEB83	WN ALL SER.BATT RETROFIT KIT INSTAL FOR P/N 03468-68701							
3468B		OPER MAN	JAN82	03468-90005	JUL85	03468-90055	8L	01	09	02	
		MAN CHANGE	MAY85	03468-90005							
		SERV MAN	FEB83	03468-90006	AUG83	03468-90056*	8L	01	09	03	USE 3468B FICHE 03468-90057
		SERV MAN	FEB84	03468-90007	JUL85	03468-90057	8L	01	09	03	
		MAN CHANGE	MAY85	03468-90007							
3469A		OPER & SERV MAN	JUN72	03469-90002	MAY76	03469-90052	8L	01	09	02	
		SERV NOTE SET BELOW									
		3469A-1	OCT71	WO SER BELOW 1104A00250.FUSE REPLACEMENT							

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	3468A-1A	FEB83 WN ALL SER.REC LED DISPLAY REPL							
	3468A-2	FEB83 WN ALL SER.REC REPL FOR A1U101 INP OPER AMPLF							
	3468A-3	JAN84 WN SER 2137A03601 THRU 2137A059A0.PRINTED CIR BD CHANG & SIGNATURE ANALYSIS							
	3468B-1	FEB83 WN ALL SER.BATT RETROFIT KIT INSTAL FOR P/N 03468-68701							
3468B	OPER MAN	JAN82 03468-90005	JUL85	03468-90055	8L	01	09	02	
	MAN CHANGE	MAY85 03468-90005							
	SERV MAN	FEB83 03468-90006	AUG83	03468-90056*	8L	01	09	03	USE 3468B FICHE 03468-90057
	SERV MAN	FEB84 03468-90007	JUL85	03468-90057	8L	01	09	03	
	MAN CHANGE	MAY85 03468-90007							
3469A	OPER & SERV MAN	JUN72 03469-90002	MAY76	03469-90052	8L	01	09	02	
	SERV NOTE SET BELOW		OCT79						
	3469A-1	OCT71 WO SER BELOW 1104A00250.FUSE REPLACEMENT							

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***															
3469A		3469A-2	OCT71	WO SER BELOW 1104A00250.	INTERCHANGED	CAPACITORS	A9C8	+	A9C10						
		3469A-3	OCT72	WO IMPROVED	OHMS PROTECTION										
		3469A-4	AUG74	WO ALL SER.REPL	FOR A3 DC	AMPLFR	ASSY								
		3469A-5	APR75	WN ALL SER.PANEL	METER	DISPLAY									
		3469A/B-6	JUN75	WN ALL SER.REPL	OF CURRENT	SHUNT	RESISTORS	A11R19	+	A11R20					
3469B		OPER & SERV MAN	SEP74	03469-90005	SEP77	03469-90055	8L	01	09	02					
		MAN CHANGE	SEP76	03469-90005											
		SERV NOTE SET BELOW			OCT79										
		3469B-1	-	NOT AVAILABLE											
		3469B-2	FEB74	WN TRBLSHTS PROC	FOR DIG	PANEL	METER	HP	P/N	5060-9131	(FOLD UP STLYE)				
		3469B-3	-	WO PN	5060-9131/32/33.	REPL	PN	FOR	LED	DISPLAYS					
		3469B-4	DEC74	WO SER BELOW	1233A03800.	IMPR	INPT	ATTEN							
		3403C-4/3469B-5/ 3575A-3	APR75	WO 3403C	RMS	VOLTMETER,	3469B	MULTIMETER,	3575A	GAIN	PHASE	METER.DIG	PANEL	METER	REPAIRS
		3469A/B-6	JUN75	WN ALL SER	REPL	OF	CURRENT	SHUNT	RESISTORS	A11R19	+	A11R20			
		3469B-7	JUL79	WN SER	1233A01150	&	BELOW.	PROC	TO	REPL	PANEL	METER.			
347A		OPER & SERV MAN	MAY77	00347-90009	JUN77	00347-90010	8L	01	04	01					
347A/349A		SERV NOTE SET BELOW			JAN81										
		347A-1E	SEP64	GAS TUBE	INSTALLATION	PROCEDURE									
34701A		OPER & SERV MAN	JUN72	34701-90001	APR81	34701-90051	8L	01	09	01					
		OPER & SERV MAN	OCT73	34701-90002	SEP85	34701-90052	8L	01	09	01					
34702A		OPER & SERV MAN	JAN75	34702-90002	SEP77	34702-90052	8L	01	09	02					
		REV PAGES NO 3	OCT76	34702-90002											
		SERV NOTE SET BELOW			APR82										
		34702A-1A/34740A-1A	NOV81	WN ALL SER.MOD	TO	RED	AC	ZERO	OFFSET						
		34750A-1A													
34703A		OPER & SERV MAN	MAY76	34703-90002	DEC76	34703-90052	8L	01	09	02					
		SERV NOTE SET BELOW			MAY78										
		34703A-1	JAN74	WN ALL SER.MNEMONICS	GLOSSARY										
		34703A-2	JUN74	WN ALL SER.TROUBLESHOOTING	INFORMATION										
		34721A/B-1/34703A-3	JUL74	WA ALL SER.COMPAT	BETWEEN	34721A	BCD	MODULE	&	34703A	DCV/DCA/OHMS	METER			
		34703A-4	OCT74	WA SER	BEFORE	1251A01500.	IMPR	OF	REL	WHEN	MEAS	HV	DIVIDER		
		34703A-5A	MAY75	WA SER	BELOW	1251A01700.	POT	CAUSE	OF	ERRATIC	OPER	OF	LOGIC.		
		34703A-6	MAR75	WN SER	BELOW	1251A01500.	INPUT	CIR	MOD	TO	IMPR	RELIABILITY			
		34703A-7	APR75	WA SER	BELOW	1251A01651.	TEMP	SENSI	OHMS	OPERATION					
		34703A-8	APR75	WN SER	BELOW	1251A01351.	FAILURE	OF	AUTO	MODE	TEST	8			
		34703A-9	MAY75	WN SER	BELOW	1251A01700.	IMPROPER	OHMS	OPERATION	DUE	TO	BROKEN	A1	BOARD	
		34703A-10	MAY75	WN ALL SER.NEW	PULL-OUT	INSTR	CARD								
		34703A-11	AUG75	WN ALL SER.COMMENTS	ON	APPARENT	ERRATIC	BEHAVIOR	IN	DCV	&	OHMS,MAN	RANGING	MODE	WHEN
		CONT'D													
34720A		OPER & SERV MAN	FEB74	34720-90002	NOV84	34720-90052	8L	01	09	01					
34721A		OPER & SERV MAN	JUN72	34721-90001	SEP85	34721-90051	8L	01	09	01					
34721A/B		SERV NOTE SET BELOW			MAY78										
		34721A/B-1/34703A-3	JUL74	WA ALL SER.COMPAT	BETWEEN	34721A	BCD	MODULE	&	34703A	DCV/DCA/OHMS	METER			
		34721B-1A	JUN75	WN ALL SER.FLOATING	MEASUREMENTS	USING	THE	BCD	MODULE						

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CA OF POT

FRONT PANEL

34703A-Y
34703A-10
34703A-11
CONT'DMAY75 WN SER BELOW 1251A01700.IMPROPER OHMS OPERATION DUE TO BROKEN A1 BOARD
MAY75 WN ALL SER.NEW PULL-OUT INSTR CARD
AUG75 WN ALL SER.COMMENTS ON APPARENT ERRATIC BEHAVIOR IN DCV & OHMS,MAN RANGING MODE WHEN
INPUT TERMINALS OPEN

34720A	OPER & SERV MAN	FEB74 34720-90002	NOV84 34720-90052	8L 01 09 01
34721A	OPER & SERV MAN	JUN72 34721-90001	SEP85 34721-90051	8L 01 09 01
34721A/B	SERV NOTE SET BELOW 34721A/B-1/34703A-3 34721B-1A	JUL74 WA ALL SER.COMPAT BETWEEN 34721A BCD MODULE & 34703A DCV/DCA/OHMS METER JUN75 WN ALL SER.FLOATING MEASUREMENTS USING THE BCD MODULE	MAY78	

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
34721B		OPER & SERV MAN	APR75	34721-90002	SEP85	34721-90052	8L	01	09	02	
34740A		OPER & SERV MAN SERV NOTE SET BELOW 34740A-U-1000 34702A-1/34740A-1/ 34750A-1 34740A-2	NOV72	34740-90012	SEP83	34740-90051	8L	01	09	01	
				NOT AVAILABLE	APR82						
			JAN74	WO SER BELOW 1213A-03935.MOD TO REDUCE ZERO OFFSET							
			MAR74	WA SER BELOW 1213A-02200.PREV OF ACCIDENTAL SHORT BETWEEN ANALOG LOW & CHASIS GROUND							
34750A		OPER & SERV MAN REV PAGES NO 3 MAN CHANGE SERV NOTE SET BELOW 34702A-1/34740A-1/ 34750A-1	JUN73	34750-90001	MAR79	34750-90051	8L	01	09	02	
			MAR75	34750-90012							
			DEC78	34750-90012	APR82						
			JAN74	WO SER BELOW 1213A-03935.MOD TO REDUCE ZERO OFFSET							
3476A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3476A/B-1 3476A-2A 3476A-3 3476A-4 3476A-5B 3476A-6	JUN76	03476-90001	MAR81	03476-90051	8L	01	09	02	
			NOV80	03476-90001	JAN83						
			MAY76	WN ALL SER.REC CLEANING PROC FOR CONTAMINATED A1 PC BOARD ASSEMBLIES							
			SEP82	WN ALL SER.CHANGES IN PART NUMBERS							
			JAN77	WN SER BELOW 1619A05840.MOD TO IMPROVE OHMS PROTECTION							
			JAN77	WO SER BELOW 1619A05840.MOD TO IMPR PERF							
			APR81	WN ALL SER.FRONT PNL SW INFO							
			JUN81	WN ALL SER.REPL OF 3476B MULTIMETER P C ASSY							
			SEP82	WN ALL SER.CHANGES IN PART NUMBERS							
3476B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3476A/B-1 3476B-2 3476B-3 3476B-4B 3476B-5 3476B-6	FEB76	03476-90005	AUG77	03476-90055*	8L	01	09	01	USE 3476B FICHE 03476-90056
			NOV76	03476-90006	MAR81	03476-90056	8L	01	09	01	
			NOV80	03476-90006	JAN83						
			MAY76	WN ALL SER.REC CLEANING PROC FOR CONTAMINATED A1 PC BOARD ASSEMBLIES							
			JAN77	WN SER BELOW 1617A05610.MOD TO IMPROVE OHMS PROTECTION							
			JAN77	WO SER BELOW 1617A05610.MOD TO IMPR PERF							
			APR81	WN ALL SER.FRONT PNL SW INFO							
			JUN81	WN ALL SER.REPL OF 3476B MULTIMETER P C ASSY							
			SEP82	WN ALL SER.CHANGES IN PART NUMBERS							
3478A		OPER MAN SERV MAN OPER MAN SERV MAN OPERATIONS MAN MAN CHANGE SERV MAN MAN CHANGE - A SERV NOTE SET BELOW 3478A-1 3478A-2 3478A-3 3478A-4 3478A-5	OCT81	03478-90000	MAY82	03478-90050*	8L	01	09	02	USE 3478A FICHE 03478-90053
			DEC81	03478-90001	MAR82	03478-90051*	8L	01	09	03	USE 3478A FICHE 03478-90054
			APR82	03478-90003	AUG82	03478-90053*	8L	01	09	02	USE 3478A FICHE 03478-90055
			JAN84	03478-90004	MAY84	03478-90054*	8L	01	09	03	USE 3478A FICHE 03478-90056
			FEB83	03478-90005	DEC84	03478-90055	8L	01	09	02	
			NOV84	03478-90005							
			JUN84	03478-90006	AUG85	03478-90056	8L	01	09	03	
			APR85	03478-90006	OCT85						
			MAR82	WN ALL SER.VERIF PROG LISTING (P/N 03478-9000)							
			MAY82	WA SER 2136A00101 TO 2136A00845.EXPL OF ERROR MESSAGE AT TURN-ON							
			FEB83	WN ALL SER.REC REPL FOR A1U101 INP OPER AMPLF							
			NOV83	WO ALL SER.REC REPL OF OUTGUARD PROG ROM (U502)							
			APR85	WN SER 2520 & ABOVE AND 2301 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION							
3480A		OPER & SERV MAN MAN CHANGE	FEB73	03480-90001	OCT84	03480-90051	8L	01	09	03	
			MAY74	03480-90001							

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3703B-014

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3705A

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MAN CHANGE - A
SERV NOTE SET BELOW
3478A-1
3478A-2
3478A-3
3478A-4
3478A-5

APR85 03478-90006
OCT85
MAR82 WN ALL SER.VERIF PROG LISTING (P/N 03478-9000)
MAY82 WA SER 2136A00101 TO 2136A00845.EXPL OF ERROR MESSAGE AT TURN-ON
FEB83 WN ALL SER.REC REPL FOR A1U101 INP OPER AMPLF
NOV83 WO ALL SER.REC REPL OF OUTGUARD PROG ROM (U502)
APR85 WN SER 2520 & ABOVE AND 2301 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION

3480A OPER & SERV MAN FEB73 03480-90001 OCT84 03480-90051 8L 01 09 03
MAN CHANGE MAY74 03480-90001

3705A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3480A/B SERV NOTE SET BELOW MAY78
3480A/B-1 APR71 WO INSTAL OF 3485A SCANNER
3480A/B-2 JUN73 WA 3480A SER BELOW 1128A00775.3480B SER BELOW 1127A01250.REC REPL TO STOP ERRONEOUS READING IN BCD OUTPUT
CONT'D
3480A/B-3 FEB74 WO ALL SER.REC REPL A21C18
3480A/B-4 MAR74 WN ALL SER.IMPROVE RELIABILITY
3480A/B-5 MAR74 WO 3480A SER BELOW 1128A00845.3480B SER BELOW 1127A01550.OSCIL ON -20V SUPPLY
3480A/B-6 MAR74 WO ALL SER.REC REPL FOR NIXIE DRIVER
3480A/B-7A JAN75 WA ALL SER.BOTTOM COVER SHORTED TO GUARD
3480A/B-8A OCT75 WA ALL SER-THAT HAVE BEEN RETROFITTED WITH OPTICAL ISOL BCD 03480-66525/03460-69525
CONT'D REVA/B ASSY.RED OF ERR IN THOUSANDS DIG IN OPTICAL ISOL BCD BOARDS
3480A/B-9 APR75 WO ALL SER THAT HAVE BEEN RETROFITTED WITH OPTICAL BCD CARDS.TEMP SENSI OPTICAL ISOL
CONT'D BCD OPERATION
3480A/B-9 APR75 WO ALL SER RETROFITTED WITH OPTICAL BCD CARDS.TEMP SENSI OPTICAL ISOL BCD OPER
3480A/B-10 OCT76 WN ALL SER RETROFITTED WITH OPT 004 BCD OUTPT ASSY.MOD TO CORREC BCD OUTPT CLOCK FREQ

3480B OPER & SERV MAN FEB73 03480-90001 OCT84 03480-90051 8L 01 09 03
MAN CHANGE MAY74 03480-90001

3480C OPER & SERV MAN JUL75 03480-90004 JAN76 03480-90054* 8L 01 09 03 USE 3480D FICHE 03468-90057

3480C/D SERV NOTE SET BELOW MAY78
3480C/D-1 OCT74 WO ALL SER.REPL PN FOR LED DISPLAYS
3480C/D-2 APR75 WO 3480C SER BELOW 1337A00174.3480D SER BELOW 1338A00302.TEMPERATURE SENSITIVE
CONT'D OPTICALLY ISOLATED BCD OPERATION
3480C/D-3 MAY75 WN ALL SER.DISCOLOR OF A1 PWR SUPY BRD
3480C/D-4 OCT75 WA ALL SER.REC REPL FOR PWR SUPY CAPACITORS A6C2 TO A6C7
3480C/D-5 OCT75 WA SER WITH OPT 004 BCD OUTPT ASSY.(HP PN 03480-66525 OR 03480-69525,REVA/B).IMPR OPER
CONT'D WITH 9800 SERIES CALCULATORS
3480C/D-6 OCT76 WN 3480C SER BELOW 1337A00286,3480D SER BELOW 1338A00786 WITH OPT 004 BCD OUTPT ASSY.
CONT'D MOD TO CORREC BCD OUTPT CLOCK FREQ

3480D OPER & SERV MAN JUL75 03480-90004 JAN76 03480-90054* 8L 01 09 03 USE 3480D FICHE 03468-90057
OPER & SERV MAN JUN77 03480-90007 OCT85 03480-90057 8L 01 09 04

3480D-001 OPER & SERV MAN JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3480D-004 OPER & SERV MAN JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3481A OPER & SERV MAN JAN00 03481-90000 APR81 03481-90050 8L 01 09 01

3482A OPER & SERV MAN AUG75 03482-90001 JAN76 03482-90051 8L 01 09 02
SERV NOTE SET BELOW MAY78
3482A-1B JUL74 WA SER BELOW 1133A00775.SUPER 3481A-1A.COMPATIBILITY PROBLEM WITH 3480C/D
3482A-2 JUL74 WA SER BELOW 1133A00775.INTERMITTENT LOGIC PROBLEM ON 100MV,1V,OR 100V RANGE
3482A-3 JUL74 WO SER BELOW 1133A00711.INTERMITTENT FALSE TRIGGERING
3482A-4 JAN75 WN SER BELOW 1130A00751.PROPER USE OF PRINT COMMAND (FLAG) SIGNAL
3482A-5 JUN75 WA SER ALL BUT OPTICAL ISOL REMOTE CNTR ASSY PRIOR TO REV B.IMPR NOISE IMMUNITY TO STEP
CONT'D INPUT VOLTAGES

3484A OPER & SERV MAN JUN77 03480-90007 OCT85 03480-90057 8L 01 09 04
OPER & SERV MAN AUG75 03484-90002 JAN76 03484-90052* 8L 01 09 03 USE 3484A FICHE 03480-90057
SERV NOTE SET BELOW JUL83
3484A-1 OCT72 WA IMPR OHMS ASSEMBLY PROTECTION
3484A-2 JUL74 WO SER BELOW 1124A01494.INTERMITTENT FALSE TRIGGERING

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3705A

37050S

3707A

3707A-001

3707A-010

3708A

3710A

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3484A 3484A-3 JAN75 WN SER BELOW 1124A01494 INTERMITTENT FALSE TRIGGERING

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3482A-3
3482A-4
3482A-5
CONT'DJUL74 WO SER BELOW 1133A00711. INTERMITTENT FALSE TRIGGERING
JAN75 WN SER BELOW 1130A00751. PROPER USE OF PRINT COMMAND (FLAG) SIGNAL
JUN75 WA SER ALL BUT OPTICAL ISOL REMOTE CNTR ASSY PRIOR TO REV B. IMPR NOISE IMMUNITY TO STEP
INPUT VOLTAGES

3484A

OPER & SERV MAN
OPER & SERV MAN
SERV NOTE SET BELOW
3484A-1
3484A-2JUN77 03480-90007 OCT85 03480-90057 8L 01 09 04
AUG75 03484-90002 JAN76 03484-90052* 8L 01 09 03 USE 3484A FICHE 03480-90057
JUL83
OCT72 WA IMPR OHMS ASSEMBLY PROTECTION
JUL74 WO SER BELOW 1124A01494. INTERMITTENT FALSE TRIGGERING

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932A00101

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PLY

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667

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3484A

3484A-3
3484A-4
CONT'D
3484A-5A
3484A-6
3484A-7JAN75 WN SER BELOW 1124A01576. PROPER USE OF PRINT COMMAND (FLAG) SIGNAL
MAY75 WA ALL SER BUT OPTICAL ISOL REMOTE CNTR ASSY PRIOR TO REV B. IMPR NOISE IMMUNITY TO STEP
INPUT VOLTAGES
OCT76 WN ALL SER BELOW 1224A01986 WITH OPT 043. MOD TO ELIM AC CONVERTER OSCILLATION
FEB83 WN ALL SER. REC SUB TRANS FOR Q1 OF DC AMPLF ASSY
MAR83 WN ALL SER. REC REPL OF FRONT PAN SAMPLE RATE ADJUST POTENTIOMETER R3

3484A-H04

OPER & SERV MAN

JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3484A-041

OPER & SERV MAN

JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3484A-042

OPER & SERV MAN

JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3484A-043

OPER & SERV MAN

JUN77 03480-90007 SEP77 03480-90057 8L 01 09 04

3485A

OPER & SERV MAN
SERV NOTE SET BELOW
3485A-1A
CONT'D
3485A-2
3485A-3
3485A-4
3485A-5JUL74 03485-90001 APR75 03485-90051 01 09 02
JUL83
MAY74 WO ALL SER WITH INDUCTOR COUPL REMOTE ASSY. INCORREC TIMG OF REMOTE "PROGRAM
ACKNOWLEDGE" LINE
AUG75 WA SER BELOW 1119A00599. MOD FOR PROPER SCANNING UNDER REMOTE CONTROL
AUG75 WA ALL SER. OPT MOD TO DISABLE MONITOR FUNCTION WHEN IN REMOTE MODE
NOT AVAILABLE
JUL76 WN ALL SER. REPR FOR CHNL INPT CONNECTORS

3488A

OPER, PROG & CONF MAN
OPER, PROG & CONF MAN
MAN CHANGE
SERV MAN
SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3488A-0
3488A-2
3488A-3
3488A-4
3488A-5OCT83 03488-90000 DEC83 03488-90050* 8L 01 09 05 USE 3488A FICHE 03488-90052
MAY84 03488-90002 JUL85 03488-90052 8L 01 09 05
MAY85 03488-90002
OCT83 03488-90009 APR84 03488-90059* 8L 01 09 02 USE 3488A FICHE 03488-90060
DEC84 03488-90010 AUG85 03488-90060 8L 01 09 05
JUN85 03488-90010
JUL85
JAN85 WN ENGINEERING REV CODE
JAN85 WO SER 2240A01857 & BELOW. IMPROV CASE
JAN84 WN ALL ERC TEST PROC FOR NEW GROUP TO GROUP XTALK SPECIF
JAN85 WN REC RESIST REPL TO DECREASE PWR DISSIPATED IN DRIVER TRANS
JAN85 WN REC REPL OF FET'S Q901 THRU Q916

349A

OPER NOTE
OPER NOTE CHANGEFEB70 00349-90012 JUL77 00349-90013 8L 01 04 01
MAR77 00349-90012

349A-H01

OPER NOTE

JAN00 349A-905 MAR72 00349-90014 01 04 01

349A-H02

OPER NOTE

JAN00 349A-905 MAR72 00349-90014 01 04 01

3490A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3490A-1C
3490A-2
3490A-3
3490A-4
3490A-5
3490A-6
3490A-7
3490A-8BJUN76 03490-90016 APR78 03490-90066 8L 01 09 05
MAR78 03490-90016
APR83
JAN77 WO ALL SER. IMPR REL IN OPTICAL ISOL ASSY
MAR74 WN ALL SER. GPIB REPAIR KIT
MAR74 WN ALL SER. INTEGRATING CAPACITOR PN
MAR74 WO SER BELOW 1211A02105. PULSES ON +5V DC SUPPLY
MAR74 WA SER 1211A01107 TO 1211A01535. INSTALL A7C1 + A7C2 IN OHMS CONVERTER
MAR74 WO SER BELOW 1211A02105 RATIO ASSY IC SOCKET SHORTS
MAY74 WN ALL SER. SERVICE KIT
FEB83 WA SER 1211A02555 & BELOW; SER 1529A03905 & BELOW. REC REPL OF PWR SUPPLY CAPACITORS11/08/85
MODEL
NUMBER

3710A

3711A

3712A

3712A-004

3712A-005

3712A-020

3715A

N ***

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11/08/85
MODEL
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DATEH/C PART
NUMBERFICHE
DATEFICHE PART
NUMBERM P D P
L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3490A

CONT'D
3490A-9BC101 TO C107
DEC82 WO ALL SER. REPR FOR LED DISPLAY11/08/85
MODEL
NUMBER

3716A

S
TO 1137
A/334A7
ADDED

3490A-1C	JAN77	WO	ALL	SER.IMPR	REL	IN	OPTICAL	ISOL	ASSY
3490A-2	MAR74	WN	ALL	SER.GPIB	REPAIR	KIT			
3490A-3	MAR74	WN	ALL	SER.INTEGRATING	CAPACITOR	PN			
3490A-4	MAR74	WO	SER	BELOW 1211A02105	PULSES	ON +5V DC SUPPLY			
3490A-5	MAR74	WA	SER	1211A01107 TO 1211A01535	INSTALL	A7C1 + A7C2	IN OHMS CONVERTER		
3490A-6	MAR74	WO	SER	BELOW 1211A02105	RATIO	ASSY IC SOCKET SHORTS			
3490A-7	MAY74	WN	ALL	SER.SERVICE	KIT				
3490A-8B	FEB83	WA	SER	1211A02555 & BELOW	SER 1529A03905 & BELOW	REC REPL	OF PWR SUPPLY CAPACITORS		

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K HAZRD
HAZARD

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***			
3490A		CONT'D									C101 TO C107							
		3490A-9B	DEC82	WO	ALL	SER.REPL	PN	FOR	LED	DISPLAY								
		3490A-10	MAY75	WO	ALL	SER.IDENT	LEADS	FOR	OPTICAL	ISOL								
		3490A-11	OCT75	WO	ALL	SER.REPL	PN	FOR	REBUILT	HP-IB OPTICAL ISOLATION ASSEMBLY								
		3490A-12A	JAN77	WO	ALL	SER.MOD	TO	IMPROVE	PERFORMANCE									
		3490A-13	JUN76	WN	ALL	SER.AIR	CAP	TO	PC BRD	ALIGNMENT TO IMPROVE RELIABILITY								
		3490A-14	JUL76	WN	ALL	SER.DIGITAL	TROUBLESHOOTING											
		3490A-15	NOV76	WO	ALL	SER.REC	REF	SUPPLY	REPLACEMENT									
		3490A-16	JAN79	WA	SER	1637A06200 & BELOW	REC MOD	TO	IMPROVE	REL OF A2 ASSY								
		3490A-17	OCT81	WN	ALL	SER.SPARE	PARTS & TRBLESHTNG	INFO										
3495A		PROG & SERV MAN MAN CHANGE	NOV77	03495-90012		AUG85	03495-90062	8L	01	09	04							
		PROG & SERV MAN	JUN85	03495-90012														
		PROG & SERV MAN	SEP74	03495-90000		JAN76	03495-90090*	01	09	02	USE 3495A FICHE 03495-90091							
		PROG & SERV MAN	JUN77	03495-90011		AUG77	03495-90091*	8L	01	09	02	USE 3495A FICHE 03495-90062						
		SERV NOTE SET BELOW				JAN84												
		3495A-1	JAN77	WA	ALL	SER.INSTAL	OF LO THERMAL	RELAY	ASSEMBLIES	CONNECTOR	GUIDE							
		3495A-2	MAY77	WA	MOD	TO	EASE	INSERT	+ IMPR	ALIGNMENT	WITH 3495A MAINFRAME							
		3495A-3	AUG78	WN	SER	1428A02505 & BELOW	REC MOD	TO	MEET	EUR VDE CONDUCTED	RFI SPECS WITH ACC 44413A.							
		3495A-4	FEB78	WA	SER	BELOW 1428A02185	PWR SUP	MOD	FOR 3495A	WITH 4 ACC 44404A'S OR 44405A'S								
		3495A-5	MAR79	WN	SER	1428A03935 & BELOW	REC PROC	FOR	GORDGS	RELAY	INSTALL							
		3495A-6	NOV80	WA	ALL	SER.MOD	TO	IMPROVE	3495A/3455A	TRIGGERING								
		3495A-7B	MAR83	WN	ALL	SER.SPARE	PART & TRBLSHTG	INFO										
		3495A-8B	SEP83			NOTIFICATION	TO	OBSELETE	SERVICE	NOTE 03459A-8								
		3495A-9A	AUG83	WN	ALL	SER.20	CHNL	TEST	CONN	OPER								
3496A		OPER & SERV MAN	JUL79	03496-90001		NOV79	03496-90051*	8L	01	09	03	USE 3496A FICHE 03496-90052						
		OPER & SERV MAN	JUN82	03496-90002		DEC82	03496-90052	8L	01	09	04							
		SERV NOTE SET BELOW				OCT84												
		3496A-1B	JUL82	WA	SER	1740A00343 & BELOW	CAUTION	TO	PREVENT	SERIOUS	SCANNER	MECH	DAMAGE					
		3496A-2	JUL80	WN	SER	1740A00192-1740A00499	(BEZEL	FASTENERS	ONLY) & SER	PRIOR	TO 1740A00191	(BOTH	CHANGES	APPLICABLE).IMPROVED	BEZEL & REAR	GRILL	FASTENERS	
		CONTD																
		3496A-3	JUL81	WO	ALL	SER.REC	REPL	DUT	PWR	SUPPLY	RELAYS	0490-1129	WITH	DATE	CODES	8010	THRU	8037
		3496A-4C	JUN82	WO	ALL	SER.MOD	TO	IMPR	REL	OF	SIG	ANALY	(OPT	008)	IN	3060A	SYST	CONFIG.
		3496A-5A	JUN82	WN	SER	1801A00819 & UP	NEW	SCANNER	ANALOG	BD & CENTER	BAR	DESIGNS						
		3060A-6	APR82	WN	ALL	SER.REPL	PADDLE	PIN	(HP	P/N	1258-0179)	CHANGE	FOR	USE	ON	03496-66552	ANALOG	RELAY
		CONT'D																
		3496A-7A	JAN83	WA	SER	2137A00990 & BELOW	ELIM	FIXTURE	ENBLE	ARC	AT	PADDLE	PINS					
		3496A-8	JUN84	WN	ALL	SER.REPL	LIGHTED	PUSH	BUTTON	SWTCH								
3496B		SERV NOTE SET BELOW				APR82												
		3496B-4B	DEC81	WO	ALL	SER	IMPROV	OPT	008	CONFIR	TEST							
3497A		OPER & SERV MAN	APR80	03497-90000		SEP80	03497-90050*	8L	01	09	03	USE 3497A FICHE 03497-90064						
		INTRO USERS GUIDE	APR80	03497-90001		JUN80	03497-90051*	8L	01	09	01	USE 3497A FICHE 03497-90060						
		INTROD USERS GUIDE	APR80	03497-90010		AUG81	03497-90060*	8L	01	09	01	USE 3497A FICHE 03497-90064						
		OPER & SERV MAN	JUL81	03497-90011		OCT81	03497-90054*	8L	01	09	03	USE 3497A FICHE 03497-90070						
		INTRO USERS GUIDE	APR80	03497-90014		JAN82	03497-90064*	8L	01	09	01	USE 3497A FICHE 03497-90070						
		OPER & SERV MAN	FEB82	03497-90015		MAY82	03497-90065*	8L	01	09	02	USE 3497A FICHE 03497-90070						
		OPER,PROG&CONF MAN	DEC82	03497-90019		MAR83	03497-90069*	8L	01	09	09	USE 3497A FICHE 03497-90073						
		INSTALL & SERV MAN	DEC82	03497-90020		MAY85	03497-90070	8L	01	09	05							
		MAN CHANGE	MAR85	03497-90020														
		SERV MAN	DEC82	03497-90021		MAY83	03497-90071*	8L	01	09	04	USE 3497A FICHE 03497-90072						
		SERV MAN	APR84	03497-90022		MAY85	03497-90072	8L	01	09	04							
		MAN CHANGE	MAR85	03497-90022														

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3716A

3717A

372 SERIES

3720A

37201A

37201A-050

A3E1/E2

EV R120

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
3497A		OPER,PROG&CONF MAN SERV NOTE SET BELOW	NOV84	03497-90023		MAY85	03497-90073	8L	01	09	09				
		3497A-1				OCT85									
			AUG80	WO	ALL	SER.INSTRUCT	FOR	MAKING	BLU	STRIPE	XCHANGE	FOR	03497-89510	TOP	RD

11/08/85
MODEL
NUMBER

37203A

INTRO USEKS GUIDE	APR80 03497-90014	JAN82 03497-90064*	8L 01 09 01	USE 3497A FICHE 03497-90070
OPER & SERV MAN	FEB82 03497-90015	MAY82 03497-90065*	8L 01 09 02	USE 3497A FICHE 03497-90070
OPER,PROG&CONF MAN	DEC82 03497-90019	MAR83 03497-90069*	8L 01 09 09	USE 3497A FICHE 03497-90073
INSTALL & SERV MAN	DEC82 03497-90020	MAY85 03497-90070	8L 01 09 05	
MAN CHANGE	MAR85 03497-90020			
SERV MAN	DEC82 03497-90021	MAY83 03497-90071*	8L 01 09 04	USE 3497A FICHE 03497-90072
SERV MAN	APR84 03497-90022	MAY85 03497-90072	8L 01 09 04	
MAN CHANGE	MAR85 03497-90022			

37201A-050

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 144
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3497A		OPER,PROG&CONF MAN SERV NOTE SET BELOW	NOV84	03497-90023	MAY85	03497-90073	8L	01	09	09	
		3497A-1	AUG80	WO	ALL SER.INSTRUCT FOR MAKING BLU STRIPE XCHANGE FOR 03497-69510 TCC BD						
		3497A-2	SEP80	WA	SER 2011A00359 & BELOW.INSTAL ANALOG & DIGITAL EXT CONN FOR INTERFACING 3497A/3498A						
		3497A-3A	NOV80	WA	SER 2011A00160 & BELOW.REC OUTGUARD CONTROLLER BD EPROM TO ROM UPDATE TO IMPR PER						
		3497A-4	NOV80	WN	ALL SER.INSTR FOR MAKING A BLUE STRIPE XCHANGE FOR 03497-69502						
		3497A-5A	SEP81	WN	ALL SER.3497A PROD SUPP PKG (03497-69900) CONTENTS & OPER INSTR						
		3497A-6	FEB81	WA	SER 2011A00160 & BELOW.REC OUTGUARD CONTROLLER BD (03497-69501) WHEN INSTALL 100 KHZ						
		CONT'D			RECIPROCAL CTR ASSY						
		3497A-7B	SEP81	WN	ALL SER.NEW XTAL HANDLING PROC DURING BLUE STRIPE BD XCHANGE FOR 03497-69502						
		3497A-8B	MAY83	WN	ALL CUSTOMER SPARE PARTS REC						
		3497A-9	JUL81	WN	ALL SER.INSTRUCT FOR REMOVING OPT ROM WHEN MAKING BLUE STRIPE BD XCHANGE OF HP-1B						
		CONT'D			MAINFRAME OUTGUARD CONTROLLER BD						
		3497A-10	JUN82	WN	ALL SER.OPER VERIF OF THERMOCOUPLE COMPENSATED OPT 020						
		3497A-11	DEC82	WN	ALL SER. REC LED DISPLAY REPL						
		3497A-12	APR83	WN	ALL SER.MAINFRM VERIF CHECKS						
		3497A-13	AUG83	WA	MOD TO PREV INTERM TURN-ON FAILURES &/OR FRONT PAN/ I/O LOCK-UPS						
		3497A-14	AUG83	WN	REC FUSE REPL FOR 50 HZ OPER						
		3497A-15	OCT83	WN	REC INPUT DELAY REPL FOR VOLTMETER OPT						
		3497A-16	OCT83	WO	REC REPL TO IMPROV STABILITY OF VOLTMETER OPT CURRENT SOURCE						
		3497A-17	OCT83	WO	REC RESISTOR REPL TO IMPROV VOLTMETER OPT STABILITY						
		3497A-18	NOV83	WO	REC PWR SUPPLY REPL						
		3497A-19	FEB85	WA	ALL SER.9825A/C CARDVER PROG ERROR						
		3497A-20	APR85	WA	SER 2222A08697 THRU 2448A16174.MOD TO REPLACE MISSING DICADE ADDRESS CHANG TRACE						
		3497A-21	JUL85	WN	SER 2514 & ABOVE AND 2448 & BELOW.SYSTEM II CABINET INCH/METRIC CONVERSION						
		3497A-22	MAY85	WA	ALL SER.GETTING DC1 HANDSHAKING TO WORK FOR OPT WHEN 44420A INTER DVM IS NOT PRESENT						
		3497A-23-S	MAR85	WA	SAFETY:SER 2448A15955 & BELOW.POSS SHOCK HAZ						
3498A		OPER & SERV MAN SERV NOTE SET BELOW	MAR82	03498-90001	JUL82	03498-90051	8L	01	09	02	
		3498A-1	NOV80	WO	ALL SER.MOD TO PREVENT INTERMITTENT RESP OF DIG INPUT OPT 050 CARDS (44425A) WHILE						
		CONT'D			IN A 3498A EXTENDER						
		3498A-2	JAN81	WA	SER 2026A00186 & BELOW.MOD TO IMPR +5 VOLT OUTGUARD PWR SUPPLY OPERATION						
		3498A-3-S	MAR85	WA	SAFETY:SER 2223A04650 & BELOW.POSS SHOCK HAZ						
350A		OPER & SERV MAN	JAN00	350B-910	APR81	350A/B-550	8L	01	09	01	
350B		OPER & SERV MAN	JAN00	350B-910	APR81	350A/B-550	8L	01	09	01	
350C/D		SERV NOTE SET BELOW 350C/D-1	OCT66	10DB,100DB	MAY78	ATTEN ASSY REPL INSTRUCTNS					
350D		OPER & SERV MAN MAN CHANGE	MAR71	00350-90203	MAY80	00350-90253	8L	01	09	01	
			FEB80	00350-90203							
35071A		OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01		
35071B		OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01		
35071C		OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01		
35071D		OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01		
3513A		OPER & SERV MAN	MAY68	03513-90009	OCT80	03513-90059	8L	01	11	01	

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37203A

37203A-001

3721A

37210/220T

37212A

37213A

37214A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 145
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3514A		OPER & SERV MAN	MAY68	03513-90009	OCT80	03513-90059	8L	01	11	01	
3520/3521		SERV NOTE SET BELOW 3520/21A+B-1	OCT68	SECONDARY	APR79	CAPSTAN ASSY REPL INSTRUCT					

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NUMBER

37214A

37215A

35071C	OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01
35071D	OPER NOTE	JAN00	35071-90005	APR73	35071-90006	01	45	01
3513A	OPER & SERV MAN	MAY68	03513-90009	OCT80	03513-90059	8L	01	11 01

37213A	U
37214A	U

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3514A		OPER & SERV MAN	MAY68	03513-90009	OCT80	03513-90059	8L	01	11	01	
3520/3521		SERV NOTE SET BELOW 3520/21A+B-1 3520/3521A-1	OCT68 APR67		APR79 SECONDARY CAPSTAN ASSY REPL INSTRUCT PROC FOR 60HZ TO 50HZ FIELD CONV						
3524A		OPER & SERV MAN	MAY68	03524-90009	AUG82	03524-90059	8L	01	11	02	
3524A/3525A		SERV NOTE SET BELOW 3524A/25A-1 3524/25/26/27A-1 3524/3525/3526/ 3527-2 3524A-3/3525A-3/ 3526A-3/3527A-3	OCT68 DEC68 MAY70 AUG73		APR79 SECONDARY CAPSTAN ASSY REPL INSTRUCT ALIGNMENT OF TAPE TAKE-UP ARM WN SER BELOW 818.MOD TO ASSURE PROPER TIME DELAY OF K-5 START RELAY WN ALL SER.REPL OF DASHPOT 1520-0073						
3525A		OPER & SERV MAN	MAY68	03524-90009	AUG82	03524-90059	8L	01	11	02	
3526/3527		SERV NOTE SET BELOW 3524/25/26/27A-1 3524/3525/3526/ 3527-2 3524A-3/3525A-3/ 3526A-3/3527A-3 3526A/27A-1	DEC68 MAY70 AUG73 OCT68		APR79 ALIGNMENT OF TAPE TAKE-UP ARM WN SER BELOW 818.MOD TO ASSURE PROPER TIME DELAY OF K-5 START RELAY WN ALL SER.REPL OF DASHPOT 1520-0073 SECONDARY CAPSTAN ASSY REPL INSTRUCT						
3529A		OPER NOTE OPER NOTE	JUL71 JUL82	03529-90005 03529-90006	NOV71 SEP82	03529-90050* 03529-90056	01 8L	09 01	01 01		USE 3529A FICHE 03529-90056
353A		OPER & SERV MAN MAN CHANGE	OCT71 MAR78	00353-90003 00353-90003	APR78	00353-90053	8L	01	09	01	
3534A		OPER & SERV MAN	AUG68	03534-90010	JAN82	03534-90060	8L	01	11	01	
3535A		OPER & SERV MAN REV A & B MAN CHANGE SERV NOTE SET BELOW 3535A-1A	NOV68 APR69 JAN74 FEB68	03535-90010 03535-90010 03535-90010	JAN76 OCT78	03535-90050	8L	01	11	02	PREF REPL FOR AIR11
3537A		OPER & SERV MAN	AUG68	03534-90010	JAN82	03534-90060	8L	01	11	01	
3538A		OPER & SERV MAN REV A & B MAN CHANGE SERV NOTE SET BELOW 3538A-1	NOV68 APR69 JAN74 NOV68	03535-90010 03535-90010 03535-90010	JAN76 OCT78	03535-90050	8L	01	11	02	MOD REQ WHEN HEAD ASSY REPLACED
354A		OPER NOTE	SEP74	00354-90007	OCT84	00354-90008	8L	01	04	01	
3540B		OPER & SERV MAN	AUG73	03540-90011	JAN82	03540-90061	8L	01	11	01	
3541A/3544A		SERV NOTE SET BELOW 3541A/3544A-1	SEP68		OCT78						TECH SPEC OF NEW WIDEBAND FM ELECTRONICS FOR 3950 + 3955 ANALOG TAPE SYSTEMS

11/08/85 MODEL NUMBER	O C	DESCRIPTION
37214A		37
37215A		US
37216A		US
3722A		OP MA SE 37 HO 37 37 37 37
37222A		IN
3724A		OP MA SE MA SY MA SE 37 C 37 C 37 37 37
3725A		OP MA SY MA SE MA SE 37
3726A		OP MA SY MA SE
3730A		OP OP MA SE

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION
3543B		OPER & SERV MAN	AUG73	03540-90011	JAN82	03540-90061	8L	01	11	01	
355C		OPER NOTE OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	NOV72 APR77 NOV78 AUG80	00355-90025 00355-90036 00355-90038 00355-90045	DEC72 MAY77 FEB79 AUG80	00355-90026* 00355-90037* 00355-90039* 00355-90046	01 8L 8L 8L	04 01 04 01	01 01 01 01		USE 355C FICHE 00355-90037 USE 355C FICHE 00355-90039 USE 355C FICHE 00355-90046

11/08/85 MODEL NUMBER	O C	DESCRIPTION
3730A		37 37 37 37 37

3540B OPER & SERV MAN AUG73 03540-90011 JAN82 03540-90061 8L 01 11 01
 3541A/3544A SERV NOTE SET BELOW OCT78
 3541A/3544A-1 SEP68 TECH SPEC OF NEW WIDEBAND FM ELECTRONICS FOR 3950 + 3955 ANALOG TAPE SYSTEMS

3730A

SERV
OPER
OPER
MAN
SERV

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11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 146
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3543B OPER & SERV MAN AUG73 03540-90011 JAN82 03540-90061 8L 01 11 01

355C OPER NOTE NOV72 00355-90025 DEC72 00355-90026* 01 04 01 USE 355C FICHE 00355-90037
 OPER & SERV MAN APR77 00355-90036 MAY77 00355-90037* 8L 01 04 01 USE 355C FICHE 00355-90039
 OPER & SERV MAN NOV78 00355-90038 FEB79 00355-90039* 8L 01 04 01 USE 355C FICHE 00355-90046
 OPER & SERV MAN AUG80 00355-90045 OCT80 00355-90046 8L 01 04 01
 SERV NOTE SET BELOW JUL85
 355C-1 MAR85 WN SER 1203A36850 & BELOW.NEW ATTEN DIAL

355D OPER NOTE NOV72 00355-90025 DEC72 00355-90026* 01 04 01 USE 355D FICHE 00355-90037
 OPER & SERV MAN APR77 00355-90036 MAY77 00355-90037* 8L 01 04 01 USE 355D FICHE 00355-90039
 OPER & SERV MAN NOV78 00355-90038 FEB79 00355-90039* 8L 01 04 01 USE 355D FICHE 00355-90046
 OPER & SERV MAN AUG80 00355-90045 OCT80 00355-90046 8L 01 04 01
 SERV NOTE SET BELOW JUL85
 355D-1 MAR85 WN SER 1204A39325 & BELOW.NEW ATTEN DIAL

355E OPER NOTE NOV72 00355-90025 DEC72 00355-90026* 01 04 01 USE 355E FICHE 00355-90037
 OPER & SERV MAN APR77 00355-90036 MAY77 00355-90037* 8L 01 04 01 USE 355E FICHE 00355-90039
 OPER & SERV MAN NOV78 00355-90038 FEB79 00355-90039* 8L 01 04 01 USE 355E FICHE 00355-90046
 OPER & SERV MAN AUG80 00355-90045 OCT80 00355-90046 8L 01 04 01

355F OPER NOTE NOV72 00355-90025 DEC72 00355-90026* 01 04 01 USE 355F FICHE 00355-90037
 OPER & SERV MAN APR77 00355-90036 MAY77 00355-90037* 8L 01 04 01 USE 355F FICHE 00355-90039
 OPER & SERV MAN NOV78 00355-90038 FEB79 00355-90039* 8L 01 04 01 USE 355F FICHE 00355-90046
 OPER & SERV MAN AUG80 00355-90045 OCT80 00355-90046 8L 01 04 01

3550A OPER & SERV MAN MAN CHANGE MAR67 03550-90002 APR75 03550-90052 01 09 02
 APR69 03550-90002

3550A/B SERV NOTE SET BELOW OCT78
 3550A/B-1 JUL71 WO 3550A/B SER BELOW 0964A01765.ADDITIONAL SUPPORT FOR CARRYING STRAP
 3550A/B-2 JUL77 WA 3550A-ALL SER.3550B-PRE829 & BELOW.REPLACEMENT CASE POWER CORD COMPATIBILITY

3550B OPER MAN FEB73 03550-90005 NOV82 03550-90055 8L 01 A1 01
 MAN CHANGE DEC78 03550-90005

3551A OPER & SERV MAN OCT75 03551-90001 DEC75 03551-90051* 8L 01 09 03 USE 3551A FICHE 03551-90053
 OPER & SERV MAN MAR77 03551-90003 OCT78 03551-90053* 8L 01 09 04 USE 3551A FICHE 5957-4422
 OPER & SERV MAN JUL83 03551-90004 SEP83 5957-4422 8L 01 38 04
 SERV NOTE SET BELOW OCT81
 3551A-0 JUL81 WN ALL SER.SERV NOTE INDEX
 3551/52A-1 MAY75 NEW STYLE A3 BOARD
 3551A-2/3552A-2 AUG75 WA 3551A SER BELOW 1425A00355.3552A SER BELOW 1435A00140.MOD TO RED SUSCEPT TO RFI
 3551A/3552A-3 DEC75 WA MOD TO IMPR PERFORMANCE
 3551A/3552A-4 JUL76 3551A SER BELOW 1550A01406.3552A SER BELOW 1125A00231.IMPR PERF MOD.SUPER 3551A/2A-3
 3551A-5A JUL77 WO ALL SER.RPLCMT PT NOS FOR LED DISPLAY
 3551A-6 JUL77 WO SER 1550A02475 & BELOW.POWER SUPPLY FUSE CHANGE
 3551A-7A NOV79 WO SERIES 1550A01705 & BELOW.POWER SUPPLY ASSEMBLY & POWER TRANSFORMER CHANGE
 3551A-8 JUL77 WA SER 1550A02525 & BELOW.LINEAR AMP CHANGE
 3551A-9B MAR80 SER 1550A04325 & BELOW.REC A3 INPUT AMP ASSY,FRONT PNL & SUBPNL REPL.
 3551A-10 MAY78 WA ALL SER.MOD TO PREVENT INTERMITTENT TIME BASE PROBLEMS
 3551A-11A JAN80 WA SER 1550A05665 & BELOW.PREF WECO 310 JACK REPL
 3551A-12-S APR80 WA SAFETY.SER 1550A05921 THRU 1550A06220.POSS INCORRECT PWR LINE FUSE RATING
 3551A-13 APR80 WA ALL SER.+12 VOLT REGULATOR REPL INSTRUCTIONS
 3551A-14 JUN81 WO SER 1550A08320 & BELOW.CURE FOR AUTO RANGING PROB IN HI FREQ & HI LEVEL APPLICATIONS

11/08/85 MODEL NUMBER O C

3730A

3730
3730
3730
3730
3730

3730B

OPER
OPER
MAN
SERV
3730
3730
3730

3731A

OPER

3732A

OPER

3733A

OPER

3734A

OPER
MAN
SERV
3734
3734

3735A

OPER
SERV
3735

3736A

SERV
MAN
SERV
3736
3736
3736

3736B

OPER
OPER
OPER
MAN
OPER
SERV
3736

3737A

SERV
MAN
SERV
3737
3737

3737B

OPER
OPER

32

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 147
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3552A OPER & SERV MAN JAN76 03552-90002 DEC76 03552-90056* 8L 01 09 03 USE 3552A FICHE 03552-90058
 OPER & SERV MAN FEB77 03552-90003 APR77 03552-90058* 8L 01 09 04 USE 3552A FICHE 03552-90059
 OPER & SERV MAN DEC77 03552-90004 JUN82 03552-90059 8L 01 14 04
 MAN CHANGE JUL81 03552-90004
 SERV NOTE SET BELOW JUL80
 3551/52A-1 MAY75 NEW STYLE A3 BOARD

11/08/85 MODEL NUMBER O C

3737B

OPER
MAN C
OPER
SERV
3737B
3737B
3737B

3551A-12-S
3551A-13
3551A-14

JAN80 WA SER 1550A05921 & BELOW.PREF MECU 3TU JACK REPL
APR80 WA SAFETY.SER 1550A05921 THRU 1550A06220.POSS INCORRECT PWR LINE FUSE RATING
APR80 WA ALL SER.+12 VOLT REGULATOR REPL INSTRUCTIONS
JUN81 WO SER 1550A08320 & BELOW.CURE FOR AUTO RANGING PROB IN HI FREQ & HI LEVEL APPLICATIONS

3737B OPER
OPER

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 147

3552A OPER & SERV MAN JAN76 03552-90002 DEC76 03552-90056* 8L 01 09 03 USE 3552A FICHE 03552-90058
OPER & SERV MAN FEB77 03552-90003 APR77 03552-90058* 8L 01 09 04 USE 3552A FICHE 03552-90059
OPER & SERV MAN DEC77 03552-90004 JUN82 03552-90059 8L 01 14 04
MAN CHANGE JUL81 03552-90004
SERV NOTE SET BELOW JUL80
3551/52A-1 MAY75 NEW STYLE A3 BOARD
3551A-2/3552A-2 AUG75 WA 3551A SER BELOW 1425A00355.3552A SER BELOW 1435A00140.MOD TO RED SUSCEPT TO RFI
3551A/3552A-3 DEC75 WA MOD TO IMPR PERFORMANCE
3551A/3552A-4 JUL76 3551A SER BELOW 1550A01406.3552A SER BELOW 1125A00231.IMPR PERF MOD.SUPER 3551A/2A-3
3552A-5 JUL77 WO SER 1604A00260 & BELOW.POWER SUPPLY ASSEMBLY & POWER TRANSFORMER CHANGE
3552A-6 JUL77 WO ALL SER.PWR SUPPLY FUSE CHANGE
3552A-U-4 SEP76 SER BELOW -00300.IMPR PERF MOD.GOES WITH 3551A-4/3552A-4
3552A-U-100 JUN76 WN SER 1615U-00290 + UP.ELIM OF ATTEN LOCKING MECHANISM
3552A-U-101 DEC76 WO SER BELOW 1635U-00440.REC REPL FOR POWER TRANSFORMER
3552A-U-102 DEC76 WO SER BELOW 1635U-00440.REC REPL FOR POWER SUPPLY ASSEMBLY (A5)
3552A-U-103 NOV77 WO ALL SER.REPL P/NS FOR LED DISPLAYS
3552A-U-6 JUL78 WO SER 1733U-00745.REC PWR SUPPLY FUSE CHANGE
3552A-U-7 JUN78 WA ALL SER.MOD TO PREVENT INTERMITTENT TIME BASE PROBLEMS

3555A OPER & SERV MAN OCT70 03555-90003 NOV70 03555-90053 01 09 02
SERV NOTE SET BELOW JAN81
3555A-1 DEC68 WO C-MSG FILTER RESPONSE AT 4KHZ

3555B OPER & SERV MAN JUN76 03555-90008 DEC76 03555-90058 8L 01 09 02
SERV NOTE SET BELOW JAN83
3555B-1 MAR70 WO RECOMMENDED REPLACEMENT FOR A3Q22
3555B-2E APR80 WA SER 0992A06760 & BELOW.IMPROVED PWR SUPPLY REL
3555B-3 AUG80 WA APPROX SER 0992A06150 TO 0992A06950.FRONT COVER MOD TO TURN INSTR OFF WHEN COVER IS
CONTD INSTALLED
3555B-4 JUN81 WO ALL SER.TRBLSTNG PROC TO TEST INTERMITTENT METER CIRC
3555B-5 SEP82 WN SER 0992A03536 & BELOW.IMPROVE PWR SUPPLY

3556A OPER & SERV MAN AUG73 03556-90000 MAY82 03556-90050 8L 01 09 02
MAN CHANGE UK APR81 03556-90000
SERV NOTE SET BELOW APR79
3556A-U-1000 OCT74 WN SER BELOW 1348U-012800.REED RELAYS A3 K2/K3
3556A-U-1001 OCT75 WO SER BELOW 1348U01725.REPL PN FOR A3Q1,2,3,+ 7
3556A-U-1002 AUG76 WA SER BELOW 1348U01785.MOD TO ELIM ON-SCALE READ ON LO FOUR RANGES WITH NO INPT APPLYD
3556A-U-1003A APR78 WO SER BELOW 1547U.NEW BATTERY MOD

35601A OPER & SERV MAN OCT81 35601-90000 DEC81 35601-90050* 8L 01 09 03 USE 35601A FICHE 35601-90051
OPER & SERV MAN SEP82 35601-90001 JUN83 35601-90051 8L 01 A1 03

3561A OPER MAN MAR84 03561-90001 AUG84 03561-90051 8L 01 A1 03
SERV MAN APR84 03561-90010 MAY84 03561-90060 8L 01 A1 09
INSTALL NOTE DEC84 03561-90020 FEB85 03561-90220 8L 01 A1 01
SERV NOTE SET BELOW OCT85
3561A-1 OCT84 WO ALL SER.OPT 001 BUBBLE MEMORY-NEW BUBBLE MOD PACK
3561A-2 OCT84 WA ALL SER.MOD TO PREV HORIZ LINES BEING DSPLY DURN MARKER OPER
3561A-3 DEC84 WN SER 2338A01000 & ABOVE.12 ROMS REPLACE 24 EPROMS ON A40 PROCESSOR ASSY
3561A-4 FEB85 WO HOW TO PROP IDENTIF CURRENT SENSING INDUCTOR A70T600
3561A-5 FEB85 WA SER 2338A01370 & BELOW.MOD TO REV C A50 ASSY TO MAKE BUILT-IN DIAGN TEST ROUTINES
CONT'D 150,151,& 152 OPERABLE
3561A-6 FEB85 WO ALL SER.OPT 001 BUBBLE MEMORY MOD PKG

11/08/85 MODEL NUMBER O C

3737B OPER
MAN CH
OPER
SERV
3737B
3737B

3738A SERV
MAN CH
SERV
3738A
3738A
3738A
3738A

3738B OPER
OPER
MAN CH
OPER
SERV
3738B
3738B
3738B

3739A SERV
MAN CH
SERV
3739A
3739A
3739A
3739A

3739B OPER
OPER
OPER
MAN CH
OPER
SERV
3739B
3739B

3743A OPER
MAN CH
SERV
3743A
3743A

3743A-002 OPER
MAN CH

3743A-003 OPER
MAN CH

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3561A 3561A-7 FEB85 WO ALL SER.OPT 001 BUBBLE MEMORY MOD TO PREV ERROR RETURN CODE -15 29989 00368342
3561A-8 JUL85 WA SER 2338A01928 & BELOW.NEW PWR SWTCH WITHSTANDS GREATER SURGE CURRENT

3562A OPER NOTE FEB85 03562-90031 APR85 03562-90231 8L 01 A1 01

35677A SERV MAN DEC83 35677-90010 AUG84 35677-90060 8L 01 A1 02

35677A/B SERV NOTE SET BELOW OCT85

11/08/85 MODEL NUMBER O C

3744A OPER
MAN CH
SERV
3744A-
3744A-
CONT'D

3745A SERV

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T Y G PAGE 150
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3581A/C 3581A-8 CONT'D SEP81 WN 3581A:SER 1351A01391 TO 1351A02035;3581C:SER 1411A00176 TO 2114A01495.REC PROC FOR
 3581A/C-8 CONT'D JUN82 WN 3581A:SER 1352A02090 & BELOW;3581C:SER 2114A01525 & BELOW.INSTRUC FOR ORDER REPL
 3581A/C-9 CONT'D DEC83 WN 3581A:SER 1352A02090 & BELOW;3581C:SER 2114A01525 & BELOW.REC REPL OF A2 LOCAL OSCIL
 3581A/C-10A CONT'D DEC83 WA 3581A:SER 1351A02699 & BELOW;3581C:SER2114A01834 & BELOW.MOD TO PREV DIGITAL DISPLA
 3580A-11/3581A/C-11 JAN84 WN ALL SER.AMPLT REF LEVEL & INPUT SENSI CNTRL RESTRING

3581C OPER & SERV MAN FEB75 03581-90012 SEP83 03581-90090 8L 01 A1 03
 REV PAGES NO 2 SEP81 03581-90012
 MAN CHANGE AUG83 03581-90012
 OPER NOTE DEC84 03580-90021 FEB85 03580-90221 8L 01 A1 01

3582A OPER MAN MAR78 03582-90000 JUN78 03582-90050* 8L 01 09 03 USE 3582A FICHE 03582-90053
 SERV MAN SEP79 03582-90001 DEC79 03582-90051* 8L 01 09 07 USE 3582A FICHE 03582-90054
 OPER MAN JUN79 03582-90003 NOV79 03582-90053* 8L 01 09 03 USE 3582A FICHE 03582-90055
 SERV MAN FEB81 03582-90004 AUG82 03582-90054 8L 01 A1 07
 MAN CHANGE JUN82 03582-90004
 OPER MAN MAR81 03582-90005 MAY81 03582-90055 8L 01 09 04
 OPER NOTE DEC84 03582-90006 FEB85 03582-90206 8L 01 A1 01
 INSTALL NOTE DEC84 03582-90010 FEB85 03582-90210 8L 01 A1 01
 OPER NOTE DEC84 03582-90011 FEB85 03582-90211 8L 01 A1 01
 INSTALL MAN DEC84 03582-90012 NOV85 03582-90212 8L 01 A1 01
 INSTALL NOTE DEC84 03582-90013 FEB85 03582-90213 8L 01 A1 01
 SERV NOTE SET BELOW APR82

3582A-1 JAN79 WN ALL SER.HOW TO REPL FRONT PNL SMS.
 3582A-2 AUG79 WA SER 03582-00151 TO 03582-00810.ADD OF DIODES TO PROTECT TRANS Q10 ON A13 PCB
 3582A-3 JAN80 WN ALL SER.PROC FOR TRBLSHTG THE A8 RAM ASSY
 3582A-4B FEB81 WN ALL SER.HOW TO SERV OPT 001: HI TRANSFER FUNCTION ACCURACY
 3582A-5 MAR80 WN ALL SER.HOW TO HANDLE DIGITAL FILTERS TO PREVENT STATIC DAMAGE
 3582A-6 FEB80 WO SER 1747A00100 TO 1809A1096 APPX.SOFTWARE UPDATE TO THE ROM ASSY
 3582A-7 MAY80 WO ALL SER.MOD TO IMPROVE PFL
 3582A-8A DEC81 WO ALL SER.REC REPL FANS
 3582A-9 OCT80 WO SER 1809A01866 & BELOW.FRONT PANEL MOD TO IMPR PERF
 3582A-10B FEB82 WN ALL SER.SERV KIT CONTENTS & OPER INSTR FOR 3582A SPECTRUM ANALYZER
 3582A-11 AUG81 WN ALL SER.NOTIF OF AVAIL OF FIELD PRODUCT SUPP PKG 03582-69900
 3582A-12 NOV81 WO SER 1809A03092 & ABOVE.PREF REPL RAM BD

3585A OPER MAN JUN78 03585-90000 MAR79 03585-90050* 8L 01 09 06 USE 3585A FICHE 03585-90053
 OPER & SERV MAN SEP79 03585-90001 FEB80 03585-90051* 8L 01 09 16 USE 3585A FICHE 03585-90056
 OPER MAN FEB79 03585-90003 MAY79 03585-90053 8L 01 09 06
 SERV MAN AUG81 03585-90006 SEP82 03585-90056 8L 01 09 16 VOLS I, II, & III
 MAN CHANGE A JUL82 03585-90006
 INSTALL NOTE JAN85 03585-90020 APR85 03585-90220 8L 01 A1 01
 OPER NOTE DEC84 03585-90010 FEB85 03585-90210 8L 01 A1 01
 OPER NOTE DEC84 03585-90011 FEB85 03585-90211 8L 01 A1 01
 SERV NOTE SET BELOW JUL84

3585A-1 JAN79 WA SER BELOW 1750A00230.INPUT/CONVERSION ASSY RUST PROBLEM CORRECTION.
 3585A-2B APR82 WO ALL SER.A1 BD REPL PROC FOR RELAY A1K1 TO K9 & A1K11 TO K14
 3585A-3 MAR80 WO SER 1750A00570 & BELOW.MOD TO IMPROVE 75 OHM INPUT RETURN LOSS
 3585A-4 OCT80 WN SER 1750A00740 & BELOW.IDENT & SERV COMPATIBILITY BETWEEN IF FILTER BDS
 3585A-5 FEB81 WO SER 1750A00716 & ABOVE.NEW REV A51 PHASE DET BD MAT IMPROVES PERF
 3585A-6A SEP81 WN ALL SER.NOTIF OF AVAIL OF F.S.K. (03585-69900)

11/08/85 MODEL NUMBER O C LITERATURE TYPE
 3747A/B 3747A/B-7B
 3747A/B-8A
 3747A/B-9
 3747A/B-10
 3747A/B-11
 3747A/B-12A
 3747A/B-13
 CONT'D
 3747A/B-14
 3747A/B-15
 CONT'D
 3747A/B-16
 CONT'D
 3747A/B-17
 CONT'D
 3747A/B-18A
 3747A/B-19
 3747A/B-20
 3747A/B-21
 3747A/B-22
 3745A/B-52/
 3747A/B-23
 3747A/B-24
 CONT'D
 3747A/B-25B
 3747A/B-26
 3747A/B-27
 CONT'D
 3747A/B-28

3747B OPER MAN
 MAN CHANGE
 SERV MAN
 MAN CHANGE

375A OPER NOTE

3750A OPER NOTE

3754A OPER & SERV
 MAN CHANGE

3754A-001 OPER & SERV
 MAN CHANGE

3755A OPER & SERV
 MAN CHANGE

3755A-001 OPER & SERV
 MAN CHANGE

3755A-002 OPER & SERV
 MAN CHANGE

3755A-003 OPER & SERV

3585A

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DESCRIPTION ***

008
5-90011

IMPROVE NOISE-OFF

ON

AP NOT AVAILABLE

RIOD FLIP-FLOP

11/08/85
MODEL
NUMBER

O
C

LITERATURE
TYPE

H/C
DATE

H/C PART
NUMBER

FICHE
DATE

FICHE PART
NUMBER

M P D P
L T V G

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3585A

3585A-7
3585A-8

SEP81 WN ALL SER.NOTIF OF AVAIL OF SERV KIT 03585-69800 FOR 3585A SPECTRUM ANALYZER
JAN84 WN ALL SER.IMPR INTERMODULN DIST PERF TEST

3586A

OPER & SERV MAN
SERV MAN
SERV MAN
OPER MAN
OPER MAN
INSTALL NOTE
INSTALL NOTE
OPER NOTE
INSTALL NOTE
OPER NOTE

FEB80 03586-90000 FEB80 03586-90050* 8L 01 09 03 USE 3586A FICHE 03586-90051/61
DEC80 03586-90001 NOV81 03586-90051* 8L 01 09 08 USE 3586A FICHE 03586-90052
MAY83 03586-90002 JUN83 03586-90052 8L 01 A1 09
OCT80 03586-90011 NOV82 03586-90061* 8L 01 A1 03 USE 3586A FICHE 03586-90062
APR83 03586-90012 JUL83 03586-90062 8L 01 A1 02
DEC84 03586-90015 FEB85 03586-90215 8L 01 A1 01
DEC84 03586-90016 FEB85 03586-90216 8L 01 A1 01
DEC84 03586-90017 FEB85 03586-90217 8L 01 A1 01
DEC84 03586-90018 FEB85 03586-90218 8L 01 A1 01
DEC84 03586-90019 FEB85 03586-90219 8L 01 A1 01

3586A/B/C

SERV NOTE SET BELOW
3586A/B/C-0
3586A/B/C-1
3586A/B/C-2B
CONT'D
3586A/B/C-3A
3586A/B/C-4
3586A/B/C-5
CONT'D
3586A/B/C-6A
3586A/B/C-7
3586A/B/C-8
CONT'D
3586A/B/C-9
3586A/B/C-10A

JUL84
JUL81 WN ALL SER.SERV NOTE INDEX
DEC80 WO ALL SER.INTERPRET INTERMITT FAILURE OF SELF TEST STEP 3-2
OCT81 WN 3586A:SER 1927A00231 & BELOW;3586B:SER 1928A00284 & BELOW;3586C:SER 1929A00195 &
BELOW.RETROFIT FOR REV B SOFTWARE
FEB81 WN ALL SER.INTERPRETING AUTO-CAL & SELF-TEST FAILURE CODES
FEB81 WO ALL SER.INTERPRETING INTERMITTENT "ER8" DISPLAYS
FEB81 WA 3586A:SER 1927A00256 & BELOW;3586B:SER 1928A00306 & BELOW;3586A:1929A00206 & BELOW.
MOD TO CURE INTERMITTENT DIG PROBLEMS
JUL81 WO ALL SER.HP-IB VERIF PROG LISTING (9825)
JUL81 WA ALL SER.IMPR 3586A/B/C-9815S DESKTOP COMP HP-IB COMPATIBILITY
JUL81 WN ALL SER.MOD TO ELIM PERIODIC SIG DROPOUTS OR NOISE "HITS" CAUSED BY 3566'S AUTO
CALIB FEATURE
SEP82 WN FIELD REPL KITS FOR A50 STEP LOOP & A51 SUMMATION LOOP ASSY
FEB84 WN ALL SER.PART NUMBER 03586-68701 SERV SPARE PARTS KIT

3586B

OPER & SERV MAN
SERV MAN
SERV MAN
OPER MAN
OPER MAN
INSTALL NOTE
INSTALL NOTE
OPER NOTE
INSTALL NOTE
OPER NOTE

FEB80 03586-90000 FEB80 03586-90050* 8L 01 09 03 USE 3586A FICHE 03586-90051/61
DEC80 03586-90001 NOV81 03586-90051* 8L 01 09 08 USE 3586A FICHE 03586-90052
MAY83 03586-90002 JUN83 03586-90052 8L 01 A1 09
OCT80 03586-90011 NOV82 03586-90061* 8L 01 A1 03 USE 3586B FICHE 03586-90062
APR83 03586-90012 JUL83 03586-90062 8L 01 A1 02
DEC84 03586-90015 FEB85 03586-90215 8L 01 A1 01
DEC84 03586-90016 FEB85 03586-90216 8L 01 A1 01
DEC84 03586-90017 FEB85 03586-90217 8L 01 A1 01
DEC84 03586-90018 FEB85 03586-90218 8L 01 A1 01
DEC84 03586-90019 FEB85 03586-90219 8L 01 A1 01

3586B-C01

OPER MAN MODIF
SERV MAN MODIF

APR85 03586-90043 JUN85 03586-90243 8L 01 A1 01
MAY85 03586-90044 JUN85 03586-90244 8L 01 A1 01

3586C

OPER & SERV MAN
SERV MAN
SERV MAN
OPER MAN
OPER MAN
INSTALL NOTE
INSTALL NOTE
OPER NOTE
INSTALL NOTE
OPER NOTE

FEB80 03586-90000 FEB80 03586-90050* 8L 01 09 03 USE 3586A FICHE 03586-90051/61
DEC80 03586-90001 NOV81 03586-90051* 8L 01 09 08 USE 3586A FICHE 03586-90052
MAY83 03586-90002 JUN83 03586-90052 8L 01 A1 09
OCT80 03586-90011 NOV82 03586-90061* 8L 01 A1 03 USE 3586C FICHE 03586-90062
APR83 03586-90012 JUL83 03586-90062 8L 01 A1 02
DEC84 03586-90015 FEB85 03586-90215 8L 01 A1 01
DEC84 03586-90016 FEB85 03586-90216 8L 01 A1 01
DEC84 03586-90017 FEB85 03586-90217 8L 01 A1 01
DEC84 03586-90018 FEB85 03586-90218 8L 01 A1 01
DEC84 03586-90019 FEB85 03586-90219 8L 01 A1 01

11/08/85
MODEL
NUMBER

3755A

3755A

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3755A

3756A

3757A

3757A

3757A

3757A

3760A

3760A

3760A

3760A

3760A

3761A

3761A

	INSTALL NOTE	DEC84 03586-90018	FEB85 03586-90218	8L 01 A1 01	
	OPER NOTE	DEC84 03586-90019	FEB85 03586-90219	8L 01 A1 01	
3586B-C01	OPER MAN MODIF	APR85 03586-90043	JUN85 03586-90243	8L 01 A1 01	
	SERV MAN MODIF	MAY85 03586-90044	JUN85 03586-90244	8L 01 A1 01	
3586C	OPER & SERV MAN	FEB80 03586-90000	FEB80 03586-90050*	8L 01 09 03	USE 3586A FICHE 03586-90051/61
	SERV MAN	DEC80 03586-90001	NOV81 03586-90051*	8L 01 09 08	USE 3586A FICHE 03586-90052
	SERV MAN	MAY83 03586-90002	JUN83 03586-90052	8L 01 A1 09	
	OPER MAN	OCT80 03586-90011	NOV82 03586-90061*	8L 01 A1 03	USE 3586C FICHE 03586-90062
	OPER MAN	APR83 03586-90012	JUL83 03586-90062	8L 01 A1 02	
	INSTALL NOTE	DEC84 03586-90015	FEB85 03586-90215	8L 01 A1 01	
	INSTALL NOTE	DEC84 03586-90016	FEB85 03586-90216	8L 01 A1 01	
	OPER NOTE	DEC84 03586-90017	FEB85 03586-90217	8L 01 A1 01	
	INSTALL NOTE	DEC84 03586-90018	FEB85 03586-90218	8L 01 A1 01	
	OPER NOTE	DEC84 03586-90019	FEB85 03586-90219	8L 01 A1 01	

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3761A

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DESCRIPTION ***

MODEL 3461A

-A REEDS ON A21

TOELIM THERMAL

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USE 82033A

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*** DESCRIPTION ***											
3590A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3590A-1 3590A/91A-2 3590A/91A-3A CONT'D 3590A-4	APR70 03590-90001 FEB76 03590-90001		SEP77 03590-90051		8L	01	09	03	
					OCT78						
			MAR69	WA	SER BELOW 825-00125.MOD TO REMOVE 1.28 MHZ FROM X-AXIS OUTPUTS						
			DEC69	WO	LAMP REPLACEMENT						
			JAN71	WA	3590A SER 825,954.3591A SER 833 + 956.MOD TO IMPR BFO SUMMING ERROR.3590 SER BELOW 0						
					SER BELOW 1041A00245.MOD TO IMPR Y-AXIS LINEAR OUTPT DAMPING						
			APR76	WO	SER BELOW 1112A01085.REPL OF RESISTORS ON A20 POWER SUPPLY ASSEMBLY						
3591A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3590A/91A-3A CONT'D 3591A-4	OCT72 03591-90001 JAN78 03591-90001		APR78 03591-90051		8L	01	09	03	
					OCT78						
			JAN71	WA	3590A SER 825,954.3591A SER 833 + 956.MOD TO IMPR BFO SUMMING ERROR.3590 SER BELOW						
					0977A00535 & 3591A SER BELOW 1041A00245.MOD TO IMPR Y-AXIS LINEAR OUTPUT DAMPING						
			APR76	WO	SER BELOW 1109A00715.REPL OF RESISTORS ON A20 POWER ASSEMBLY						
3592A		OPER NOTE	SEP68 03592-90000		AUG81 03592-90050		8L	01	09	01	
3593A		OPER & SERV MAN MAN CHANGE	OCT72 03593-90002 DEC76 03593-90002		SEP77 03593-90052		8L	01	09	02	
3594A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3594A-1	OCT72 03593-90002 DEC76 03593-90002		SEP77 03593-90052		8L	01	09	02	
					OCT78						
			SEP77	WO	SER BELOW 1220A01370 & ABOVE 1220A01450.A5 HEATER CONTROL CIRC MOD						
3595A		OPER & SERV MAN MAN CHANGE	MAR70 03595-90000 JUL70 03595-90000		OCT84 03595-90050		8L	01	09	02	
3604A		PREL OF & SERV MAN MAN CHANGE	FEB67 03604-90000 OCT71 03604-90000		JAN82 03604-90050		8L	01	11	01	
362A		OPER NOTE	MAR81 00362-90010		JUN81 00362-90011		8L	01	04	01	
3681A		SERV NOTE SET BELOW 3681A-1A	FEB68		OCT78						
					MOD OF ANALOG TAPE TRANSPORTS						
3701A		OPER & SERV MAN MAN CHANGE SYSTEM OPER INSTR SERV NOTE SET BELOW 3701A-1 3701A-2 3701A-3 3701A-4 3701A-5 3701A-6 3701A-7A/3702A-12/ 3703A-2A 3701A-8 3701A-9/3702A-14 3701A-10 3701A-11 3701A-12 3701A-13	JUL70 03701-95000 NOV72 03701-95000 JAN00 03702-95001		JAN74 03701-95025		01	14	07		
					APR85 03702-95026		8L	01	14	01	
					MAY78						
					PREFERRED REPLACEMENTS FOR A6Q1						
					PREF REPL FOR A9Q5/6/10 + A11Q14/15						
					SER BELOW U805-00151.MOD TO ENSURE CONSTANT BASEBAND SIGNAL AT BB + SWEEP OUTPUT						
			MAY68	WO	SER BELOW U805-00151.MOD TO RED SWEEP GENERATOR HARMONICS						
			OCT68	WA	SER BELOW U830-.MOD TO PROTECT AGAINST LINE-BORNE TRANSIENTS						
			NOV68	WA	MOD TO ELIM ALC INSTABILITY						
			JUL69	WN	INSTAL OF OPT 05 + 06.(FOR TV SUB-CARRIER PHASE + GAIN MEASUREMENTS)						
			FEB70	WO	SER BELOW U942-00661.IMPR PERFORMANCE POTENTIOMETERS						
			MAY70	WN	SER BELOW U962-00741.FIELD INSTALLATION OF VENTILATING FANS						
			JUL70	WO	SER BELOW U974-00801.REC REPL FOR POWER SUPPLY RECT DIODES CR2 THROUGH CR13						
			AUG70	WN	SER BELOW U962-00771.MOD TO IMPR IF OUTPUT FLATNESS						
					NOT AVAILABLE						
			NOV73	WO	ALL SER.PREF REPL FOR A12R35						

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3761A

3762A

3762A-8

3762A-9

3762A-9

3762A-9

3762A-9

3763A

3763A-8

3763A-9

3763A-9

3763A-9

3763A-9

3764A

SERV MAN	AUG74	03702-95011	JAN78	03702-95036*	01 14 05	USE 3702B FICHE 03702-95037
SERV MAN	SEP76	03702-95012	MAY82	03702-95037	8L 01 14 05	SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE	NOV81	03702-95012				
SYSTEM OPER INSTR	FEB72	03710-95002	JUN74	03710-95027*	01 14 01	USE 3702B FICHE 03710-95030
SYSTEM SERV MAN	MAR74	03710-95004	NOV78	03710-95029*	8L 01 14 03	USE 3702B FICHE 03710-95033
OPER INSTRUCT	JUN73	03710-95005	JUN83	03710-95030	8L 01 14 01	
MAN CHANGE	JUN78	03710-95005				
SYSTEM SERV MAN	SEP79	03710-95008	MAY82	03710-95033	8L 01 14 02	
MAN CHANGE	FEB82	03710-95008				
SERV NOTE SET BELOW			OCT85			
3702B-0	NOV84	WN SERVICE NOTE INDEX				
3702B-1	JAN73	WA SER BELOW 1136UG0124.REMOVAL OF CROSSTALK BETWEEN Y & YZ TRACES				
3702B-2	JUL73	WA ALL SER.ELIM OF NOISE IN UPPER TRACE WHEN BB CALIBRATION IS ON				
3702B-3	JAN73	ALL SER.PREF REPL FOR A4CR3,CR4/5/6/7				
3702B-4	-	SER BELOW 1242U00251.IMPR IN MARKER DISPLAY				

OPTION ***

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MODE WHEN

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3702B		3702B-5	FEB73	WO	ALL SER.PREF REPL FOR A2C35						
		3702B-6	FEB73	ALL SER.PREF REPL FOR R11							
		3702B-7	FEB73	ALL SER.PREF REPL FOR I.F. ATTEN							
		3702B-8	FEB73	ALL SER.PREF REPL OF A6Q1 & A6Q2							
		3702B-9B	OCT75	WO	SER BELOW 1205U00191.FIELD REPL OF A4 ASSEMBLY						
		3702B-10	FEB73	SER BELOW 1205U00191.FIELD REPL OF A2 ASSEMBLY							
		3702B-11	FEB73	SER BELOW 1205U00191.REP OF X-POSITION OFFSET WHEN CHANGING X-GAIN							
		3702B-12	MAR73	SER 1205U00239/40/48,1245U00256/58/60/62/63 & UP.FIELD REPL OF A6 ASSEMBLY							
		3702B-13B	NOV77	WO	SER BELOW 1703U01776.PREF REPL FOR A23 ASSY						
		3702B-14	AUG74	WO	SER BELOW 1331U-00736.PREF REPL OF A1CR6 & A1CR9						
		3702B-15A	OCT74	WO	SER BELOW 1331U-00896.FIELD REPL OF R6 SPECTRUM CENTER POTENTIOMETER OR R7 X-POSITION POTENTIOMETER						
		CONT'D									
		3702B-16B	FEB76	WA	SER BELOW 1318U-00397.MOD TO IMPR AM/PM CONVERSION						
		3702B-17A	NOV77	WO	SER BELOW 1703U01776.PREF REPL FOR A24 ASSY						
		3702B-18	APR75	WN	ALL SER.PERF CHECK & ADJ PROC FOR IF DISPLAY CALIBRATION						
		3702B-19	JUL75	WA	SER BELOW 1424U-00936.PREF REPL FOR A24R8						
		3702B-20	JUL75	WO	SER 1318U-00397 TO 1438U01266.PREF REPL FOR A23 CR3						
		3702B-21	OCT74	WN	SER BELOW 1331U-00526.FIELD INSTALLATION OF ONE-PIECE REAR PANEL						
		3702B-22	DEC75	WN	SER BELOW 1205U-00191.ELIM OF UNNECESSARY CROWBAR CIRCUIT						
		3702B-23	DEC75	WN	SER BELOW 1331U-00596.ELIM OF CROWBAR CIRCUITS A1C2,A1CR2,A1CR3,& A1R3						
		3702B-24	APR76	WO	ALL SER.MOD TO ELIM NOISE OR OSCIL ON DIFFERENTIAL GAIN & DIFFERENTIAL PHASE DISPLAYS DUE TO ERR IN LOOP IF FREQUENCY						
		CONT'D									
		3702B-25	APR76	WO	SER BELOW 1546U-01431.PREF REPL FOR A6C4 & A6C8						
		3702B-26	MAY76	WO	SER 1242U-00521 TO 1331U-00560.PREF REPL FOR A2R72						
		3702B-27	MAY76	WO	SER 1242U-00251 TO 1331U-00632.PREF REPL FOR A2R73						
		3702B-28	MAY76	WO	SER 1242U-00251 TO 1331U-00815.PREF REPL FOR A2R47						
		3702B-29	JUL76	WO	SER BELOW 1616U-01566.PREF REPL FOR A3R36						
		3702B-30	JUL76	WO	SER BELOW 1616U-01566.PREF REPL FOR A21R36 & A21R39						
		3702B-31	JUL76	WO	SER BELOW 1616U-01566.PREF REPL FOR A23R32						
		3702B-32	JUL76	WO	SER BELOW 1616U-01566.PREF REPL FOR A22R24						
		3702B-33	AUG76	WO	ALL SER.PREF REPL A23MC2						
		3702B-34	JUN77	WO	SER BELOW 1642U-01746.MOD TO STOP POSSTBILITY OF DC OFFSET ON IF DISPLAY						
		3702B-36	NOV77	WO	ALL SER.PREF REPL FOR A20C3, A22C27, A24C20						
		3702B-37	NOV77	WO	SER BELOW 1730U02076.FAULTY INTENSITY OR INOP BLANKNG OF DISPLAY DUE TO A6R4 INTENS GOING HI						
		CONTD									
		3702B-38	NOV77	WO	ALL SER.PREF REPL A2MC3,A2MC5,A2MC12,A3MC3,A4MC1,A4MC5,A23MC1,A24MC1,A24MC2,A24MC3						
		3702B-39	JAN78	WA	SER BELOW 1737U02166.REC REPL RES IN IF AMP (A22R34)						
		3702B-40	SEP78	WO	SER BELOW 1242U00251.REC FIELD REPL OF A2 ASSY.						
		3702B-41	JAN79	WO	SER BELOW 1438U01046 & SER 1438U01046 TO 1723U02055.REPL OF Y2 DISPLAY SW (S7).						
		3702B-42	MAR80	WO	ALL SER.PREF REPL FOR NPN TRANS (1854-0071)						
		3702B-43	MAR81	WN	SER 2025U02898 & BELOW.FIELD INSTALL OF LOG AMP						
		3702B-45	FEB82	WO	FIELD REPL OF A2 ASSY.APPLIC SER NUMBER LISTED IN TEXT OF SERV NOTE						
		3702B-46	FEB82	WO	FIELD REPL OF A4 ASSY.APPLIC SER NUMBER LISTED IN TEXT OF SERV NOTE						
		3702B-47	FEB82	WO	UPDATE ADJUST PROC FOR A23 & A24.APPLIC SER NUMBER LISTED IN TEXT OF SERV NOTE						
		3702B-48	FEB82	WN	ALL SER.COMPAT OF A4,A2,A22&A23 ASSEN						
		3702B-49	JAN84	WO	SER 2122U03451 & BELOW.MOD TO REDUCE SPURIOUS SIG						
		3702B-50	JUN85	WO	ALL SER.PREF REPL FOR A25Q2						
		3702B-51	JUN85	WO	ALL SER.PREF REPL FOR A1CR1						
		3710A-20	MAR78	WN	ALL SER.NEW PERF CHECK & TROUBLESHOOT PROC FOR 3702B WITH 3703B OR 3705A PLUG-IN						
3702B-003		SERV MAN MAN CHANGE	SEP76	03702-95012	MAY82	03702-95037	8L	01	14	04	
3702Z		SERV MAN VOL I MAN CHANC	JAN71	03702-95003	APR85	03702-95028	8L	01	14	03	
			MAR75	03702-95003							

3770A

3770B

3770B-020

3771A

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3702B-46 FEB82 WO FIELD REPL OF A4 ASSY. APPLIC SER NUMBER LISTED IN TEXT OF SERV NOTE
 3702B-47 FEB82 WO UPDATE ADJUST PROC FOR A23 & A24. APPLIC SER NUMBER LISTED IN TEXT OF SERV NOTE
 3702B-48 FEB82 WN ALL SER. COMPAT OF A4, A2, A22 & A23 ASSEN
 3702B-49 JAN84 WO SER 2122U03451 & BELOW. MOD TO REDUCE SPURIOUS SIG
 3702B-50 JUN85 WO ALL SER. PREF REPL FOR A25Q2
 3702B-51 JUN85 WO ALL SER. PREF REPL FOR A1CR1
 3710A-20 MAR78 WN ALL SER. NEW PERF CHECK & TROUBLESHOOT PROC FOR 3702B WITH 3703B OR 3705A PLUG-IN

3702B-003 SERV MAN SEP76 03702-95012 MAY82 03702-95037 8L 01 14 04
 MAN CHANGE JAN80 03702-95012

3702Z SERV MAN VOL I JAN71 03702-95003 APR85 03702-95028 8L 01 14 03
 MAN CHANGE MAR75 03702-95003

3770B-020

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3702Z SERV NOTE SET BELOW APR79
 3702Z-1 - NOT AVAILABLE
 3702Z-2 - NOT AVAILABLE
 3702Z-3 - NOT AVAILABLE
 3702Z-4 - NOT AVAILABLE
 3702Z-5 - NOT AVAILABLE
 3702Z-6 - NOT AVAILABLE
 3702Z-7 - NOT AVAILABLE
 3702Z-8 JAN77 WO SER BELOW 1119U-01176. PREF REPL FOR RECTIFIER ASSEMBLY (24)
 3702Z-9 OCT78 WO ALL SER. REPL OF VARACTOR DIODE A3CR5.
 3702Z-10 OCT78 WO ALL SER. REPL OF A3 ASSY IF MIXER & LOCAL OSC.

3703A SYSTEM OPER INSTR JAN00 03702-95001 APR85 03702-95026 8L 01 14 01
 OPER & SERV MAN JUL70 03703-95000 JAN71 03703-95025 01 14 03
 MAN CHANGE AUG70 03703-95000
 SERV NOTE SET BELOW JUL80
 3702A-5/3703A-1 - MOD TO IMPR GROUP DELAY MEAS CAPABILITY OF Y-2 CHANNEL
 3702A-7A/3702A-12/ JUL69 WN INSTAL OF OPT 05 & 06. (FOR TV SUBCARRIER PHASE & GAIN MEASUREMENT
 3703A-2A
 3703A-3 MAR69 WO SER BELOW U825-00260. REC REED RELAY REPLACEMENT
 3703A-4A OCT70 WN FIELD CONV TO H02 MODEL

3703B SERV MAN SEP74 03703-95011 AUG80 03703-95036 8L 01 14 02
 MAN CHANGE JAN80 03703-95011
 SYSTEM OPER INSTR FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3703B FICHE 03710-95030
 SYSTEM SERV MAN MAR74 03710-95004 NOV78 03710-95029* 8L 01 14 03 USE 3703B FICHE 03710-95033
 OPER INSTRUCT JUN73 03710-95005 DEC82 03710-95030 8L 01 14 01
 SYSTEM SERV MAN SEP79 03710-95008 MAY82 03710-95033 8L 01 14 02
 SERV NOTE SET BELOW APR85
 3703B-0 NOV84 WN SERVICE NOTE INDEX
 3703B-1A NOV73 WO ALL SER. PREF REPL FOR A1MC1.MC2/3/4/5
 3703B-2 MAR78 WN ALL SER. RETROFIT OF INT/EXT B.B. SW TO FRONT PANEL
 3703B-3 MAR78 WA ALL SER. REPL RESISTORS AIR141/2/3
 3703B-4 MAR78 WO ALL SER. REPL PROC FOR AIMC1/2 (1820-0595)
 3703B-5 MAR78 WA SER BELOW 1326U01309. REC REPL RESISTORS AIR195/7/9
 3703B-6 MAR80 WO ALL SER. PREF REPL FOR NPN TRANS (1854-0071)
 3710A-20 MAR78 WN ALL SER. NEW PERF CHECK & TROUBLESHOOT PROC FOR 3702B WITH 3703B OR 3705A PLUG-IN

3703B-014 OPER & SERV MAN MAR71 03703-95002 JAN72 03703-95027 01 14 02
 MAN CHANGE JUL71 03703-95002

3703Z SERV MAN VOL II FEB71 03703-95001 MAY74 03703-95026 01 14 02
 MAN CHANGE JAN73 03703-95001
 SERV NOTE SET BELOW OCT78
 3703Z-1 MAR78 WA ALL SER. REC REPL RESISTORS AIR141/2/3
 3703Z-2 MAR78 WO ALL SER. REPL PROC FOR AIMC1/2 (1820-0595)

3705A SERV MAN SEP73 03705-95001 AUG83 03705-95026 8L 01 14 02
 MAN CHANGE MAR83 03705-95001
 SYSTEM OPER INSTR FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3705A FICHE 03710-95030
 SYSTEM SERV MAN MAR74 03710-95004 NOV78 03710-95029* 8L 01 14 03 USE 3705A FICHE 03710-95033
 OPER INSTRUCT JUN73 03710-95005 DEC82 03710-95030 8L 01 14 01
 SYSTEM SERV MAN SEP79 03710-95008 MAY82 03710-95033 8L 01 14 02
 SERV NOTE SET BELOW APR85
 3705A-0 DEC84 WN SERVICE NOTE INDEX

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3771A-002

3771A-003

3771A-004

3771A-005

3771A-006

3771A-061

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SERV NOTE SET BELOW
 3703Z-1
 3703Z-2

MAR78 WA ALL SER.REC REPL RESISTORS AIR141/2/3
 MAR78 WO ALL SER.REPL PROC FOR AIMC1/2 (1820-0595)

SEP73 03705-95001 AUG83 03705-95026 8L 01 14 02
 MAR83 03705-95001
 FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3705A FICHE 03710-95030
 MAR74 03710-95004 NOV78 03710-95029* 8L 01 14 03 USE 3705A FICHE 03710-95033
 JUN73 03710-95005 DEC82 03710-95030 8L 01 14 01
 SEP79 03710-95008 MAY82 03710-95033 8L 01 14 02
 APR85
 DEC84 WN SERVICE NOTE INDEX

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3705A

3705A-1
 3705A-2
 3705A-3A
 3705A-4
 3705A-6
 3705A-7
 3710A-20

FEB73 ALL SER.PREF REPL FOR A1MC1.MC2/3/4/5
 JAN75 WN SER BELOW 1218U-00191.MOD TO CHANGE RANGE OF DIFFERENTIAL PHASE CALIBRATION SWITCH S2
 OCT75 WN CONVERSION FROM OPTION 10 TO OPT 13
 JAN76 WO SER BELOW 1218U-01326.PREF REPL FOR A3Q4
 NOV77 WO SER BELOW 1218U01777.POSS PROB WHEN REPL A1MC1/2 (1820-0595)
 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
 MAR78 WN ALL SER.NEW PERF CHECK & TROUBLESHOOT PROC FOR 3702B WITH 3703B OR 3705A PLUG-IN

37050S

SITE PREP MAN

JUN84 37050-90002 DEC84 37050-90027 8L 01 14 01

3707A

OPER & SERV MAN
MAN CHANGEMAY80 03707-90000 JUN80 03707-90025 8L 01 14 02
MAY80 03707-90000

3707A-001

OPER & SERV MAN
MAN CHANGEMAY80 03707-90000 JUN80 03707-90025 8L 01 14 02
MAY80 03707-90000

3707A-010

OPER & SERV MAN
MAN CHANGEMAY80 03707-90000 JUN80 03707-90025 8L 01 14 02
MAY80 03707-90000

3708A

SERV MAN
 OPER MAN
 SERV NOTE SET BELOW
 3708A-1
 3708A-2
 3708A-3

FEB85 03708-90000 AUG85 03708-90025 8L 01 14 05
 AUG84 03708-90001 AUG85 03708-90026 8L 01 14 02
 OCT85
 APR85 WO SER 2414U00127 & BELOW.PREF REPL FOR A201C1 CAP
 JUL85 WO SER 2414U00150 & BELOW.PREF REPL FOR RFI STRIP ON ASSY A403
 JUL85 WO SER 2414U00179 & BELOW.COMPON CHANG TO A306 ODBM REF SOURCE ASSY

3710A

SYSTEM OPER INSTR
 SERV MAN
 MAN CHANGE
 SYSTEM SERV MAN
 OPER INSTRUCT
 MAN CHANGE
 SYSTEM SERV MAN
 MAN CHANGE
 SERV NOTE SET BELOW
 3710A-0
 3710A-1B
 3710A-2A
 3710A-3
 3710A-4
 3710A-5
 3710A-6
 3710A-7
 3710A-8
 3710A-9
 3710A-10
 3710A-11
 3710A-12
 3710A-13
 3710A-14
 CONT'D
 3710A-15
 3710A-16
 3710A-17
 3710A-18

FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3710A FICHE 03710-95030
 JAN74 03710-95003 MAY82 03710-95028 8L 01 14 03
 DEC80 03710-95003
 MAR74 03710-95004 NOV78 03710-95029* 8L 01 14 03 USE 3710A FICHE 03710-95033
 JUN73 03710-95005 JUN83 03710-95030 8L 01 14 01
 JUN78 03710-95005
 SEP79 03710-95008 MAY82 03710-95033 8L 01 14 02
 FEB82 03710-95008
 APR85
 DEC84 WN SERVICE NOTE INDEX
 OCT74 WO SER BELOW 1338U-00816.FIELD REPLACEMENT OF R4 DEVIATION CALIB CNTR POTENTIOMETER
 JUN75 WN FIELD INSTAL OF VAR PHASE SWP OPT
 AUG74 WA SER 1331U00526 TO 1338U00775.MOD TO STOP BLOWING OF LINE FUSE (F2) ON SWITCH ON
 JAN76 WO SER BELOW 1213U-00191.PREF REPL FOR A1C2
 JAN76 WO SER BELOW 1136U-00171.PREF REPL FOR A4R17 & A4R37
 JAN76 WA SER 1136U-00151 TO 1338U-00590.MOD TO INCREASE AFC DISCRIMINATOR GAIN
 JAN76 WO SER BELOW 1338U-00936.PREF REPL FOR A4C20
 FEB78 WO SER BELOW 1302U-00291.PREF REPL FOR A6R23
 FEB76 WO SER BELOW 1338U-00856.PREF REPL FOR A7C4,A8C2, & A9C13
 FEB76 WO SER BELOW 1136U-00151.PREF REPL FOR A11Q4 & A11Q5
 FEB76 WO SER BELOW 1438U-01116.PREF REPL FOR R5 SWEEP OUTPUT LEVEL POTENTIOMETER
 FEB76 WO SER BELOW 1136U-00151.PREF REPL FOR A15R17
 FEB76 WO SER BELOW 1510U-01446.PREF REPL FOR A15CR23
 FEB76 WO SER 1136U-00116/18/20/24/30/31/32 & 1136U-00134 TO 1213U-00210.REPL OF A16 70-MHZ
 OSCILLATOR ASSEMBLY
 NOV77 WO ALL SER.PREF REPL FOR A7C4,A8C2,A9C13
 NOV77 WO ALL SER.PREF REPL FOR A1MC1,A2MC1,A11MC1,A11MC2,A11MC3,A12MC1,A12MC2,A13MC8
 JAN78 WN SER BELOW 1637U01686.REMOVAL OF +15V & -15V RECT FM A15 PC BD TO REDUCE TEMP ON BD
 JAN78 WA SER BELOW 1637U02155.REC REPL RESISTOR IN PWR SUPPLY ASSY A15R33

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3771B

3771B-001

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3771B-006

3776A

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3710A-11
3710A-12
3710A-13
3710A-14
CONT'D
3710A-15
3710A-16
3710A-17
3710A-18

FEB76 WO SER BELOW 1136U-00151.PREF REPL FOR A11Q4 & A11Q5
FEB76 WO SER BELOW 1438U-01116.PREF REPL FOR R5 SWEEP OUTPUT LEVEL POTENTIOMETER
FEB76 WO SER BELOW 1136U-00151.PREF REPL FOR A15R17
FEB76 WO SER BELOW 1510U-01446.PREF REPL FOR A15CR23
FEB76 WO SER 1136U-00116/18/20/24/30/31/32 & 1136U-00134 TO 1213U-00210.REPL OF A16 70-MHZ OSCILLATOR ASSEMBLY
NOV77 WO ALL SER.PREF REPL FOR A7C4,A8C2,A9C13
NOV77 WO ALL SER.PREF REPL FOR A1MC1,A2MC1,A11MC1,A11MC2,A11MC3,A12MC1,A12MC2,A13MC8
JAN78 WN SER BELOW 1637U01686.REMOVAL OF +15V & -15V RECT FM A15 PC BD TO REDUCE TEMP ON BD
JAN78 WA SER BELOW 1637U02155.REC REPL RESISTOR IN PWR SUPPLY ASSY A15R33

3771B-006

3776A

11/08/85
MODEL
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TYPEH/C
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

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3710A

3710A-19
3710A-20
3710A-21
3710A-22
3710A-23A

JAN78 WO SER BELOW 1637U02271.REC REPL RESISTORS IN IF AMP ASSY (A6R28/29/33)
MAR78 WN ALL SER.NEW PERF CHECK & TROUBLESHOOT PROC FOR 3710A WITH 3715A OR 3716A PLUG-IN
MAY79 WO SER BELOW 1438U01012.PREF REPL OF DIODE A5CR1.
MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
MAY83 WN SER 1849U02471 & BELOW.IMPR COOLING BY RETROFITTING LARGER FAN

3711A

SERV MAN
MAN CHANGE
SYST SERV MAN
MAN CHANGE
OPER INSTR
SERV NOTE SET BELOW
3711A-0
3711A-1
3711-2
3711A-3
3711A-4

JUL79 03711-90000 APR85 03711-90025 8L 01 14 04 SEE TITLE PAGE FOR LIST OF OPTIONS
OCT81 03711-90000
SEP79 03711-90001 MAY82 03711-90026 8L 01 14 02
JAN81 03711-90001
MAY79 03711-90002 DEC79 03711-90027 8L 01 14 01 (+3791B)
JUL85
JAN85 - SER NOTE INDEX
MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
OCT82 WN ALL SER.PART NUMBER CHANGE FOR IF ATTEN
MAR83 WO ALL SER.PREF REPL OF TRANS A1Q1 & CAP A1Q1
MAR83 WA SER 2016U00326 TO 2016U00349.MOD TO IMPR SLAVE OUTPUT AMPLT

3712A

SERV MAN
MAN CHANGE
SYST SERV MAN
MAN CHANGE
OPER INSTR
SERV NOTE SET BELOW
3712A-0
3712A-1
3712A-2
3712A-3
3712A-5
3712A-6
3712A-7
3712A-8
3712A-9
3712A-10
3712A-11
3712-14

SEP79 03712-90000 MAY82 03712-90025 8L 01 14 05
OCT81 03712-90000
SEP79 03711-90001 MAY82 03711-90026 8L 01 14 02
JAN81 03711-90001
MAY79 03711-90002 DEC79 03711-90027 8L 01 14 01 (+3793B)
JUL85
JAN85 - SER NOTE INDEX
FEB80 WO SER 00101 TO 00121.PREF REPL FOR THIN-FILM AMP A22E1
FEB80 WA SER 00101 TO 00121.PREF REPL SUB-ASSY WITH RELAY A30K1
MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
SEP82 WO ALL SER.-15V RAIL FUSE BLOWING (INTERMITTENTLY)
OCT82 WN ALL SER.PART NUMBER CHANGE FOR IF ATTEN
NOV82 WO SER 2243U00422 & BELOW.REPR & TRBLSHTG INFO WHEN REPL
OCT82 WO SER 2243U00422 & BELOW.PREF REPL FOR A16MC1
AUG83 WO ALL SER.EHT DERIVED BASEBAND RIPPLE ON 55KHZ OPT(210,211,212, & 221)& CRT SHIELD
AUG83 WO SER 2243U00492 & BELOW.REC INSULATOR TO PREV POSS SHRT BET A30 ASSY & CRT SHIELD
NOV83 WO ALL SER.CHANGES TO Y DEFLECTION SENSITIVITY & NORMALIZER PROGRAM
FEB82 WO ALL SER.AM TO PM CONV ADJUST

3712A-004

SERV MAN

SEP79 03712-90000 MAY82 03712-90025 8L 01 14 05

3712A-005

SERV MAN

SEP79 03712-90000 MAY82 03712-90025 8L 01 14 05

3712A-020

SERV MAN

SEP79 03712-90000 MAY82 03712-90025 8L 01 14 05

3715A

SYSTEM OPER INSTR
SYSTEM SERV MAN
SERV MAN
MAN CHANGE
OPER INSTRUCT
SYSTEM SERV MAN
SERV NOTE SET BELOW
3710A-20
3715A-0
3715A-1
3715A-2

FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3715A FICHE 03710-95030
MAR74 03710-95004 NOV78 03710-95029* 8L 01 14 03 USE 3715A FICHE 03710-95033
NOV74 03715-95001 MAY82 03715-95026 8L 01 14 02
NOV80 03715-95001
JUN73 03710-95005 DEC82 03710-95030 8L 01 14 01
SEP79 03710-95008 MAY82 03710-95033 8L 01 14 02
JUL85
MAR78 WN ALL SER.NEW PERF CHECK & TROUBLESHOOT PROC FOR 3710A WITH 3715A OR 3716A PLUG-IN
JAN85 - SER NOTE INDEX
NOV77 WO ALL SER.PREF REPL FOR A3MC1
MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)

11/08/85
MODEL
NUMBER

3776A

3776B

11/08/85
MODEL
NUMBER

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DATEFICHE PART
NUMBERM P D P
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

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3716A

SYSTEM OPER INSTR

FEB72 03710-95002 JUN74 03710-95027* 01 14 01 USE 3716A FICHE 03710-95030

11/08/85
MODEL
NUMBER

3776B

SERV NOTE SET BELOW APR84
 37201A-1 AUG79 WA SER 1914U00269 & BELOW.MOD TO PREVENT INTERMITTENT HANG-UP AT SWITCH ON
 37201A-2 AUG80 WA SER 1925U00666 & BELOW.PROM CHANGE TO SOLVE SPEC APPLICATION PROBLEMS
 37201A-3 AUG81 WO ALL SER.PREF REPL OF A1Y100
 37201A-4 OCT83 WN SER 2232U & ABOVE.RETROFIT PROC FOR OPT 050 REMOTE HP-IB INTERFACE
 37201A-5 SEP83 WO SER 2232U01891 & BELOW.MOD TO ELIM OSCIL START-UP PROBLEM

37201A-050 OPER & SERV MAN NOV84 37201-90003 AUG85 37201-90028 8L 01 14 02

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 159
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

37203A OPER & SERV MAN AUG80 37203-90000 MAY82 37203-90025 8L 01 14 02
 MAN CHANGE JAN82 37203-90000
 SERV NOTE SET BELOW OCT82
 37203A-1 JAN81 WA SER 2040U00356 & BELOW.MOD TO ELIM POSSIBLE FLASHING DATA ERROR LED
 37203A-2 FEB81 WA SER 2040U00549 & BELOW.MOD TO PREVENT MAIN CLOCK GEN FAILURES
 37203A-3 MAR81 WN ALL SER.POSS INCORRECT SIGNATURES IN HP-IB SECTION
 37203A-4 MAR81 WN ALL SER.INSTALL OF OPT 001 FIBRE OPTIC INTERFACE
 37203A-5 MAR81 WO ALL SER.PERF REPL OF IC'S A1U62 & A1U63
 37203A-6 JUL81 WO ALL SER.PREF REPL IC A1U55 (NEW PN 1820-0681)
 37203A-7 JUL82 WO SER 2040U04080 & BELOW.MOD TO PREV POS HP-IB BUS LOCK-UP

37203A-001 OPER & SERV MAN AUG80 37203-90000 OCT80 37203-90025 8L 01 14 02

3721A OPER MAN APR71 03721-95003 SEP77 03721-95028 8L 01 14 02
 MAN CHANGE JAN76 03721-95003
 SERV MAN VOL 1 MAY71 03721-95004 AUG80 03721-95029 8L 01 14 03
 MAN CHANGE VOL 1 SEP79 03721-95004
 SERV MAN VOL 2 MAY71 03721-95005 AUG80 03721-95030 8L 01 14 03
 MAN CHANGE VOL 2 JAN79 03721-95005
 SERV NOTE SET BELOW APR81
 3721A-1 NOV69 WO SER 940- & UP.REBLT EXCHNG PROGRAM
 3721A-2 MAY70 WO SER U940-00101.ADJ OF MAIN STORE & CLOCK FREQ
 3721A-3 JUN70 WO SER U960-00141 & UP.ADJ OF MAIN STORE & CLOCK FREQ
 3721A-4B SEP76 WN SER U940 & UP INSTAL OF COMPUTER I/O-OPT 020
 3721A-5 JUN70 WN SER U940 & UP.INSTAL OF DELAY OFFSET-OPT 01-SERIES
 3721A-6 AUG70 WA SER BELOW U960.MOD TO IMPR PEN LIFT CONTROL
 3721A-7 JUL71 WN ALL SER.INSTAL OF TAPE PUNCH I/O OPT 021 & 022
 3721A-8 JUN71 WN SER BELOW 1103U00310 EXCEPT 00297 TO 00305.IMPROVED INTERPOLATION FACILITY
 3721A-9A JUN74 WN SER BELOW 1123U WORLDWIDE.SER BELOW 1112A00135 USA ONLY.INSTAL OF 3720A I/O MOD KIT
 CONT'D (03721-70098)
 3721A-10A MAY78 WA SER 1123U-00371 & UP(WORLDWIDE)&SER 1112A-00135 & UP(USA).REC PROC FOR INSTALL OF
 CONT DELAY OFFSET, OPT 01 SERIES
 3721A-11 JUL75 WO SER BELOW 1405U-00560.REC REPL FOR A9Q5 & A9Q10
 3721A-12 NOV75 WN ALL SER.MOD OF OPT 022 FOR HP 2895 TAPE PUNCH
 3721A-13A-S MAY76 WA SAFTY.SER 11370 TO 1544U.SAFTY HAZARD ELIM.ELIM OF POT SHOCK HAZRD DUE TO MISSING
 3721A-14B-S AUG77 WA SAFTY.SER 1405U00496 THRU 1544U00596.INSTALL OF CRT SAFETY SHIELD
 3721A-14-S JAN77 WA SAFTY.SER 1405U00496 TO 1543U00596.SAFTY HAZARD ELIM
 3721A-15 JAN78 WO SER BELOW 1544U00645.PREF REPL-A1Q16
 3721A-16 OCT78 WO SER 1544U00660 & BELOW.REC FOR IMPROVED OPER OF RESET CIRCUITRY.
 3721A-17 JAN79 WO SER 1544U00665 & BELOW.ELIM OF NOISE ON DITHER POSITION.
 3721A-18 NOV80 WN SER 1123U & BELOW & SER 1112A00135 & BELOW.PREF REPL FOR TIMESCALE SWITCH (S10)

37210/220T SERV NOTE SET BELOW JUL81
 37210/220T-1 FEB81 WN 37210T:4800 BITS MODEM.REC XCHANGE PWR SUPPLY REPL
 37210/220T-1 FEB81 WN 37220T:9600 B Y REPL

37212A REF MAN MAR85 37212-90000 AUG85 37212-90025 8L 01 14 02
 SERV NOTE SET BELOW OCT85
 37212A-1 APR85 WN ALL SER.MOD TO PREV INVALID REMOTE DIGITAL LOOPBACK INITIATION

37213A USERS GUIDE JUN83 37214-90001 JUL83 37214-90026 8L 01 14 01

37214A USERS GUIDE JUN83 37214-90001 JUL83 37214-90026 8L 01 14 01
 SERV NOTE SET BELOW JAN84

11/08/85 MODEL NUMBER O C

3779A

3779A-001

3779A-002

3779B

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

37214A 37214A-1 AUG83 WA FIRMWARE UPDATE

37215A USERS GUIDE JUN83 37214-90001 JUL83 37214-90026 8L 01 14 01

11/08/85 MODEL NUMBER O C

3779B

OCT85
 APR85 WN ALL SER.MOD TO PREV INVALID REMOTE DIGITAL LOOPBACK INITIATION

37213A	USERS GUIDE	JUN83 37214-90001	JUL83 37214-90026	8L 01 14 01
37214A	USERS GUIDE SERV NOTE SET BELOW	JUN83 37214-90001	JUL83 37214-90026	8L 01 14 01 JAN84

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 160

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

37214A	37214A-1	AUG83	WA FIRMWARE UPDATE								
37215A	USERS GUIDE	JUN83	37214-90001	JUL83	37214-90026	8L 01 14 01					
37216A	USERS GUIDE	JUN83	37214-90001	JUL83	37214-90026	8L 01 14 01					
3722A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3722A-1A/H01- 3722A-3A H01-3722A-4 3722A-5A 3722A-6A 3722A-7 3722A-8 3722A-9	MAR71 MAY79	03722-95002 03722-95002	SEP80	03722-95027	8L 01 14 04					
				OCT80							
		APR69	WO SER BELOW U850-.REC TRANS REPL								
		DEC69	WN SER 843-943.IMPR INVERTER ASSY								
		DEC74	WN PREF REPL								
		JUN79	WO SER 1451U01205 & BELOW.MOD TO PREVENT EXCESSIVE COUNT ON INFINITE SEQUENCE LENGTH								
		OCT74	WO SER 1133U-01076 TO 1133U-01116.MOD TO IMPR PERFORMANCE								
		JUN77	WN SER 1523U & BELOW.RECD PARTS REPLACEMENT FOR A2 3MHZ OSCILLATOR								
		JUN77	WO SERIES 1523U & BELOW.MOD TO PREVENT HIGH SPEED DECADE MALFN								
37222A	INSTALL & REF MAN	SEP83	37222-90000	APR84	37222-90025	8L 01 14 01					
3724A	OPER MAN MAN CHANGE SERV MAN MAN CHANGE SYS SERV MAN MAN CHANGE SERV NOTE SET BELOW 3724A-1 CONT'D 3724A-2 CONT'D 3724A-3 3724A-4 3724A-5 3724A-6	MAY81 JUL81 OCT82 APR83 FEB83 FEB83	03724-90001 03724-90001 03724-90003 03724-90003 03724-90004 03724-90004	AUG81	03724-90026	8L 01 14 02					
				JUL84							
		JUN82	WA SER 2212U00156 & BELOW.MOD TO PREVENT ERRONEOUS RESULTS IN SCAN MODE USING 40HZ BANDWDTH								
		JAN83	WA SER 2217U00161 & BELOW.(NOTE-SERIAL ABOVE 2212U00156 WILL HAVE 03724-60123 FITTED +12V TRACK CUT ON 3725 A18)								
		JAN83	WO SER 2148U00141 & BELOW.PREF REPL FOR -12V REGLTR (A9U2)								
		FEB84	WA SER 2251U00171 & BELOW.FITTING OF BALUNS TO 750HM INPUT & 750HM OUTPUT								
		APR84	WA SER 2251U00171 THRU 2327U00195.NOISE MEAS IN DBRNCO UNITS								
		MAR84	WN ALL SER.SOFTWARE REV								
3725A	OPER MAN MAN CHANGE SYS SERV MAN MAN CHANGE SERV MAN MAN CHANGE SERV NOTE SET BELOW 3725A-1	MAY81 JUL81 FEB83 FEB83 SEP82 MAY83	03724-90001 03724-90001 03724-90004 03724-90004 03725-90001 03725-90001	AUG81	03724-90026	8L 01 14 02					
				AUG83	03724-90029	8L 01 14 04					
				AUG83	03725-90026	8L 01 14 04					
				JUL83							
		OCT82	WA SER 2237U00171 & BELOW.REC WHEN MAKING NPR MEAS IN 16KHZ SLOT								
3726A	OPER MAN MAN CHANGE SYS SERV MAN MAN CHANGE SERV MAN	MAY81 JUL81 FEB83 FEB83 APR83	03724-90001 03724-90001 03724-90004 03724-90004 03726-90001	AUG81	03724-90026	8L 01 14 02					
				AUG83	03724-90029	8L 01 14 04					
				JUL83	03726-90026	8L 01 14 02					
3730A	OPER INSTR OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	DEC71 JUN74 JAN80	03730-95000 03730-95004 03730-95004	OCT72	03730-95025	01 14 01					
				AUG80	03730-95029	8L 01 14 02					
				APR83							

11/08/85 MODEL NUMBER O C

3779B

3779B-001

3779B-002

3779C

3779D

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 161

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3730A	3730A-1A 3730A-2 3730A-3 3730A-4 3730A-5	MAY75 FEB76 NOV76 NOV77 MAR80	WA SER BELOW 122U00131.RED OF SPURIOUS AT IF OUTPUT WO SER BELOW 1541U-00441.PREF REPL OF C6 WA SER BELOW 1647U-00561.MOD TO INC AFC DISCRIMINATOR GAIN WO ALL SER.PREF REPL FOR A2C38, A7C38 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)								
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11/08/85 MODEL NUMBER O C

3779D

3730A OPER INSTR DEC71 03730-95000 OCT72 03730-95025 01 14 01
 OPER & SERV MAN JUN74 03730-95004 AUG80 03730-95029 8L 01 14 02
 MAN CHANGE JAN80 03730-95004
 SERV NOTE SET BELOW APR83

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 161
*** DESCRIPTION ***											
3730A		3730A-1A 3730A-2 3730A-3 3730A-4 3730A-5 3730A-6	MAY75 FEB76 NOV76 NOV77 MAR80 JAN83	WA WO WA WO WO WN	SER BELOW 122U00131. SER BELOW 1541U-00441. SER BELOW 1647U-00561. ALL SER.PREF REPL FOR A2C38, A7C38 ALL SER.PREF REPL FOR NPN TRANS (1854-0071) SER 1541U00441 & BELOW.PREF REPL FOR MIXER 0960-0174	RED OF SPURIOUS AT IF OUTPUT PREF REPL OF C6 MOD TO INC AFC DISCRIMINATOR GAIN					
3730B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3730B-0 3730B-1 3730B-2 3730B-3	JUL80 SEP82 NOV82	03730-90000 03730-90002 03730-90002	AUG80 JAN83	03730-90025 03730-90027	8L	01	14	03	
			JAN85	-	SER NOTE INDEX						
			OCT81	WO	SER BELOW 00228.	MOD TO IMPR AFC LOCK UP					
			OCT82	WN	ALL SER.PART NUMBER CHANGE FOR OPT 010 IF ATTENUATOR						
			JAN84	WN	ALL SER.INSTRU & MAN P/N CHANGES						
3731A		OPER NOTE	DEC71	03730-95002	OCT72	03730-95027	01	14	01		
3732A		OPER NOTE	DEC71	03730-95002	OCT72	03730-95027	01	14	01		
3733A		OPER NOTE	DEC71	03730-95002	OCT72	03730-95027	01	14	01		
3734A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3734A-1 3734A-2	APR66 JUN66	03734-902 03734-902	JAN83	03734-903	8L	01	14	02	
			JUL80	-	NOT AVAILABLE						
			JUL69	WN	MOD TO LIMIT BANDWIDTH						
3735A		OPER & SERV MAN SERV NOTE SET BELOW 3735A-1	SEP66	03735-901	DEC73	03735-902	01	14	03		
			JUN68		PROC FOR MAKING TIME INTERVAL MEAS						
3736A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 3736A-1 3736A-2 3736A-3	NOV72 SEP77	03736-95000 03736-95000	AUG80	03736-95025	8L	01	14	01	
			FEB74	WO	SER BELOW 1307U00136.	VAR IN Y16 OSCILLATOR OUTPUT POWER					
			APR75	WA	SER BELOW 1515U-00176.	MOD TO REMOVE UNWANTED FM FROM 70 MHZ OUTPUT					
			MAR80	WO	ALL SER.PREF REPL FOR NPN TRANS (1854-0071)						
3736B		OPER & SERV MAN OPER NOTE OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 3736B-1	JUL80 MAR80 SEP82 NOV82 NOV82	03730-90000 03730-90001 03730-90002 03730-90002 03730-90003	AUG80 JUN80 JAN83	03730-90025 03730-90026 03730-90027	8L	01	14	03	
			FEB83		03730-90028	8L 01 14 01					
			JUN81	WO	SER 00141 & BELOW.	IMPR TO ENSURE FAST LOCK-UP IN TRACKING MODE					
3737A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 3737A-1 3737A-2	JAN73 SEP77	03737-95000 03737-95000	AUG80	03737-95025	8L	01	14	01	
			APR75	WA	SER BELOW 1515U-00276.	MOD TO REMOVE UNWANTED FM FROM 70 MHZ OUTPUT					
			MAR80	WO	ALL SER.PREF REPL FOR NPN TRANS (1854-0071)						
3737B		OPER & SERV MAN OPER NOTE	JUL80 MAR80	03730-90000 03730-90001	AUG80 JUN80	03730-90025 03730-90026	8L	01	14	03	

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*** DESCRIPTION ***											
3737B		OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 3737B-0 3737B-1 3737B-2	SEP82 NOV82 NOV82	03730-90002 03730-90002 03730-90003	JAN83	03730-90027	8L	01	14	03	
			JAN85	-	SER NOTE INDEX						
			JUN81	WO	SER 00166 & BELOW.	IMPR TO ENSURE FAST LOCK-UP IN TRACKING MODE					

11/08/85 MODEL NUMBER 3779D
 3779D-001
 3779D-002
 3779D-003
 3780A
 3780B

11/08/85 MODEL NUMBER 3781A

3737B	3737A-2	OPER & SERV MAN OPER NOTE	JUL80 03730-90000 MAR80 03730-90001	MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)	AUG80 03730-90025 JUN80 03730-90026	8L 01 14 03 8L 01 14 01
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3780B		SERV
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 162
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
3737B		OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 3737B-0 3737B-1 3737B-2	SEP82 NOV82 NOV82	03730-90002 03730-90002 03730-90003	JAN83	03730-90027	8L	01	14	03	
					FEB83	03730-90028	8L	01	14	01	
					JUL85						
					JAN85	- SER NOTE INDEX					
					JUN81	WO SER 00166 & BELOW.IMPR TO ENSURE FAST LOCK-UP IN TRACKING MODE					
					JUN81	WA SER 00161 & BELOW.CHANGE TO OVERVOLTGE PROT TO PREVENT DAMAGE TO TRANSISTOR A11Q4					
3738A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 3738A-1 3738A-2 3738A-3 3738A-4A	JUL73 APR79	03738-95000 03738-95000	AUG80	03738-95025	8L	01	14	01	
					OCT85						
					FEB74	WO SER BELOW 1320U00116.VAR IN Y16 OSCILLATOR OUTPUT POWER					
					APR75	WO SER BELOW 1515U-00196.MOD TO REMOVE UNWANTED FM FROM 70 MHZ OUTPUT					
					MAR80	WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)					
					MAY84	WO SER 1730U00356 & BELOW.PREF REPL FOR YIG OSC					
3738B		OPER & SERV MAN OPER NOTE OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 3738B-0 3738B-1 3738B-2	JUL80 MAR80 SEP82 NOV82 NOV82	03730-90000 03730-90001 03730-90002 03730-90002 03730-90003	AUG80 JUN80 JAN83	03730-90025 03730-90026 03730-90027	8L	01	14	03	
					FEB83	03730-90028	8L	01	14	01	
					JUL85						
					JAN85	- SER NOTE INDEX					
					JAN81	WO ALL SER.CANCELLING RESTORED PART FOR YIG OSC					
					JUN81	WO SER 00141 & BELOW.IMPR TO ENSURE FAST LOCK-UP IN TRACKING MODE					
3739A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 3739A-1 3739A-2 3739A-3 3739A-4	MAY73 OCT78	03739-95000 03739-95000	AUG80	03739-95025	8L	01	14	01	
					OCT85						
					FEB74	WO SER BELOW 1317U00116.VAR IN Y16 OSCILLATOR OUTPUT POWER					
					APR75	WA SER BELOW 1515U-00156.MOD TO REMOVE UNWANTED FM FROM 70 MHZ OUTPUT					
					MAR80	WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)					
					MAY85	WN SER 1849U00206 & BELOW.PREF REPL FOR YIG					
3739B		OPER & SERV MAN OPER NOTE OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 3739B-0 3739B-1	JUL80 MAR80 SEP82 NOV82 NOV82	03730-90000 03730-90001 03730-90002 03730-90002 03730-90003	AUG80 JUN80 JAN83	03730-90025 03730-90026 03730-90027	8L	01	14	03	
					FEB83	03730-90028	8L	01	14	01	
					JUL85						
					JAN85	- SER NOTE INDEX					
					JUN81	WO SER 00141 & BELOW.IMPR TO ENSURE FAST LOCK-UP IN TRACKING MODE					
3743A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3743A-0 3743A-1	FEB77 MAY78	03743-90000 03743-90000	NOV78	03743-90025	8L	01	14	01	
					JUL85						
					JAN85	- SER NOTE INDEX					
					MAR79	WO SER BELOW 1734U-00101.REC FIELD REPL OF A2MC1					
3743A-002		OPER & SERV MAN MAN CHANGE	FEB77 MAY78	03743-90000 03743-90000	NOV78	03743-90025	8L	01	14	01	
3743A-003		OPER & SERV MAN MAN CHANGE	FEB77 MAY78	03743-90000 03743-90000	NOV78	03743-90025	8L	01	14	01	

11/08/85 MODEL NUMBER	O C	
3781A		OPER SERV SERV 3781A 3781A 3781A
3781A-001		OPER
3781A-002		OPER
3781A-061		OPER
3781A-062		OPER
3781B		OPER MAN C SERV SERV 3781B 3781B 3781B 3781B 3781B 3781B 3781B
3782A		OPER SERV SERV 3782A 3782A 3782A 3782A
3782A-001		OPER
3782A-002		OPER
3782A-061		OPER
3782A-062		OPER
3782B		OPER MAN C SERV MAN C SERV 3782B 3782B 3782B 3782B 3782B 3782B 3782B

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 163
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
3744A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3744A-1 3744A-2 CONT'D	DEC74 JUN77	03744-90000 03744-90000	SEP77	03744-90025	8L	01	14	02	
					APR81						
					MAR80	WO ALL SER.PREF RELP FOR NPN TRANS (1854-0071)					
					JAN81	WA SER 2009U00226 & BELOW.MOD TO CORRECT BLOWING LINE FUSE WHEN INSTR OPERD ON 100V OR 220V					
3745A		SERV MAN	DEC77	03745-90005	MAR78	03745-90030	8L	01	14	00	

11/08/85 MODEL NUMBER	O C	
3782B		3782B-
3783A		SERV M MAN CH OPER M SERV M 3783A- 3783A-

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 163	
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
3744A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3744A-1 3744A-2 CONT'D	DEC74 JUN77	03744-90000 03744-90000	SEP77	03744-90025	8L	01	14	02		
					APR81							
			MAR80	WO ALL SER.PREF RELP FOR NPN TRANS (1854-0071)								
			JAN81	WA SER 2009U00226 & BELOW.MOD TO CORRECT BLOWING LINE FUSE WHEN INSTR OPERD ON 100V OR 220V								
3745A		SERV MAN OPER MAN MAN CHANGE SERV MAN MAN CHANGE	DEC77 DEC76 SEP80 AUG78 JUN81	03745-90005 03745-90006 03745-90006 03745-90009 03745-90009	MAR78 MAY82	03745-90030* 03745-90031	8L	01	14	09 03	USE 3745A FICHE 03745-90034 SEE TITLE PAGE FOR OPTIONS COVERED	
					MAY82	03745-90034	8L	01	14	10	SEE TITLE PAGE FOR OPTIONS COVERED	
3745A/B		SERV NOTE SET BELOW 3745A/B-1 3745A/B-2 3745A/B-3 3745A/B-4D 3745A/B-5 3745A/B-6A 3745A/B-7 3745A/B-8 3745A/B-9 3745A/B-10 3745A/B-11A 3745A/B-12 3745A/B-13B 3745A/B-14A CONT'D 3745A/B-15B 3745A/B-16 CONTD 3745A/B-17 3745A/B-18D 3745A/B-19 3745A/B-20E 3745A/B-21 3745A/B-22C 3745A/B-23B 3745A/B-24 3745A/B-25A 3745A/B-26 3745A/B-28 3745A/B-29 3745A/B-30D 3745A/B-31 3745A/B-32A 3745A/B-33 3745A/B-34 3745A/B-35 3745A/B-36 3745A/B-37 CONTD 3745A/B-38A 3745A/B-39			APR83							
			AUG76	WA SER BELOW 1609U.MOD TO LIMIT PWR DISSIPATED IN LDSPKR.SER BELOW 1548U:LDSPKR REPL								
			JAN77	WA SER BELOW 1645U.MOD TO STOP INCORREC PHASE JITTER READINGS IN PRESENCE OF NOISE								
			DEC76	WA SER BELOW 1645U.MOD TO IMPR PEFORM								
			FEB79	WA SER 1607U & BELOW.HP-IB SYS OPERATIONAL ERRORS & CONTROL HANGUPS								
				- NOT AVAILABLE								
			APR77	WA SER BELOW 1647U.REC MOD TO IMPR OPER OF +5.2V POWER SUPPLY								
			JAN77	WN ALL SER.TRBLSHTG & ADJ PROC FOR XY DRIVER ASSY A601 03745-66001								
			MAR77	WO SER BELOW 1609U.REPL A107 CPU I/O ASY								
			APR77	WA SER BELOW 1538U.PROC OF PROC FILTER-CONTROL OUTPUTS								
			MAY77	WA SER BELOW 1715U.REP OF 10MHZ & 20MHZ SPURIOUS SIG WHEN USING 15580A ACTIVE PRBE ACC								
			JUN77	WA SER BELOW 1720U.MOD TO PREVENT LOSS OF KEYBOARD/HP-IB CONTROL								
			JUN77	WO SER BELOW 1720U.PREFERRED REPLACEMENT OF CORD-WRAP FEET								
			OCT80	WN ALL SER.INSTAL OF OPT 040								
			JUL79	WA SER BETWEEN 1609U & 1720U & ALL INSTR WHICH HAVE BEEN MOD PER SERV NOTE 3745A/B-4D. MOD TO IMPR HP-IB CABLE CONFIG IN REMOTE SYSTEMS.								
			APR81	WN ALL SER.INSTALL INSTRUCT FOR OPT 021 CCITT WEIGHTED FILTER & PHASE JITTER								
			MAY78	WA SER BETWEEN 1607U & 1726U.CLARIFICATION OF LOW OUTPUT LEVEL FM 3745B BALANCED AUDIO OUTPUT & PREF REPL OF A300T1								
			MAY78	WA SER 1726U & BELOW.MOD TO PREVENT ILLEGAL STATE OF INPUT ATTEN LOGIC								
			AUG80	WN SER 1812U & BELOW.REC RETROFIT KIT FOR 50HZ SPEC OPT H07								
			OCT78	WO SER 1815U & UP.PREF REPL OF A109 ROM1								
			NOV82	WN SER 1812U & BELOW.REC RETROFIT KIT FOR SPEC OPTS H15/H16 THAT OPER IN CONJ WITH H07								
			OCT78	WO SER 1815U.IMPROV IN LOW FREQ NOISE FLOOR.								
			NOV80	WO 3745A SER 1815U-1916U;3745B SER 1815U-1908U.PREF REPL OF ROM4 ON A109 CPU MEM ASSY								
			OCT79	WO SER 1815U,1831U,1836U.PREV OF POSSIBLE REMOTE START-UP PROBLEM.								
			DEC78	WN SER 1312U & BELOW.REC RETROFIT KIT FOR SPEC OPT H14.								
			MAR79	WO ALL SER.REC REPL OF 256-BIT SHIFT REGISTERS ON XY DRIVER A601								
			JAN79	WA SER BETWEEN 1815U & 1844U.XY DRIVER (OPT 040) WIRE HARNESS MOD.								
			MAY79	WO SER 1908U & BELOW.REC PROC TO SUPPRESS 10MHZ & 20MHZ SPURIOUS SIGNALS								
			MAY79	WA SER 1908U & BELOW (OPT 050,H15 & H29).MOD TO IMPR PERF OF A109 MEMORY ASSY								
			OCT82	WO 3745A:SER 2032U & BELOW;3745B:SER 2030U & BELOW.PREF REPL OF A109 MEM ASSY								
			SEP79	WO 3745A SER BELOW 1930U00347 & 3745B SER BELOW 1924U00201.PREF REPL OF CAP A311C3								
			OCT79	WO 3745A SER BELOW 1930U00362 & 3745B SER BELOW 1924U00210.PREF REPL OF IC A211IC6								
			NOV79	WO SER 1812U & BELOW.PREF REPL OF ASSYS A108/A109								
			FEB80	WA SER 1930U & BELOW.MOD TO PREVENT ERRONEOUS LEVEL MEASMTS USING A301 NOTCH FILTER								
			FEB80	WN ALL SER.INSTRUCT ON HOW TO SELECT CCITT PLANS DURING REMOTE HP-IB OPER								
			FEB80	WA SER 1930U & BELOW.MOD TO PREVENT ERRONEOUS LEVEL MEASMTS USING 2.5KHZ FILTER								
			AUG80	WO 3745A:SER 1930U & BELOW;3745B:SER 1924U & BELOW.MOD TO IMPROVE SUPPRESS OF LINE RADIATED RFI								
			OCT80	WO ALL SER.PREF REPL OF VARACTOR DIODE 0122-0059								
			AUG80	WO SER 1532U & BELOW.PREF REPL OF A108 CPU ASSY								

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3745A/B		3745A/B-40 3745A/B-41 3745A/B-42A 3745A/B-43 3745A/B-44 3745A/B-45A 3745A/B-46 3745A/B-47 3745A/B-48 3745A/B-40A	AUG80 AUG80 OCT80 AUG80 AUG80 OCT80 AUG80 AUG80 AUG80 AUG80 AUG80 NOV80	WO SER 1748U & BELOW.PREF REPL OF A202 REF FREE ASSY WO SER 1726U & BELOW.PREF REPL OF A203 N3 PROGRAMMABLE DIVIDER WO SER 1726U & BELOW.PREF REPL OF A206 SL2 VTO ASSY WO SER 1645U & BELOW.PREF REPL OF A215 110MHZ FILTER ASSY WO SER 1645U & BELOW.PREF REPL OF A216 10MHZ FILTER ASSY WO SER 1715U & BELOW.PREF REPL OF A502 REGULATOR ASSY WO SER 1930U & BELOW.PREF REPL OF A601 X Y DRIVER ASSY WO ALL SER.PREF REPL OF PHASE LOCK LOOP IC 1826-0407 WO ALL SER.PREF REPL FOR NPN TRANSISTOR 1854-0071 WO 3745A SER 2032U00407 & BELOW;3745B SER 2030U00277 & BELOW.PREF REPL OF A109 MEM ASSY							

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3782B		3782B-8
3783A		SERV MA MAN CHA OPER MA SERV NO 3783A-1 3783A-2
3783A-001		SERV MA MAN CHA OPER MA
3785A		OPER MA SERV MA SERV NO 3785A-1 3785A-2 3785A-3 3785A-4 3785A-5 3785A-6 3785A-7 3785A-8 3785A-9 3785A-10 3785A-11 3785A-12 3785A-13 3785A-14 3785A-15 3785A-16 3785A-17 3785A-18
3785B		SERV MA SERV NO 3785B-1 3785B-2 3785B-3 3785B-4 3785B-5 3785B-6 3785B-7 3785B-8 3785B-9 3785B-10 3785B-11 3785B-12 3785B-13 3785B-14 3785B-15
3790A		SERV MA MAN CHA SYSTEM MAN CHA OPER IN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE
3790A		SERV NO 3790A-1 3790A-2 3790A-3 3790A-4 3790A-5 3790A-6 3790A-7 3790A-8

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3745A/B

3745A/B-40
3745A/B-41
3745A/B-42A
3745A/B-43
3745A/B-44
3745A/B-45A
3745A/B-46
3745A/B-47
3745A/B-48
3745A/B-49A
CONT'D
3745A/B-50
3745A/B-52/
3747A/B-23
3745A/B-53AUG80 WO SER 1748U & BELOW.PREF REPL OF A202 REF FREQ ASSY
AUG80 WO SER 1726U & BELOW.PREF REPL OF A203 N3 PROGRAMMABLE DIVIDER
OCT80 WO SER 1726U & BELOW.PREF REPL OF A206 SL2 VTO ASSY
AUG80 WO SER 1645U & BELOW.PREF REPL OF A215 110MHZ FILTER ASSY
AUG80 WO SER 1645U & BELOW.PREF REPL OF A216 10MHZ FILTER ASSY
OCT80 WO SER 1715U & BELOW.PREF REPL OF A502 REGULATOR ASSY
AUG80 WO SER 1930U & BELOW.PREF REPL OF A601 X Y DRIVER ASSY
AUG80 WO ALL SER.PREF REPL OF PHASE LOCK LOOP IC 1826-0407
AUG80 WO ALL SER.PREF REPL FOR NPN TRANSISTOR 1854-0071
NOV80 WO 3745A SER 2032U00407 & BELOW;3745B SER 2030U00237 & BELOW.MOD TO ELIM VAR IN PROGRAM
ATTEN STEPS
AUG80 WO ALL SER.PREF REPL OF OPT 050 ROM 5090-0805
JAN81 WN ALL SER.3745A/B SEMI-AUTOMATIC PERF CHECK USING TAPE CART 03745-18003
OCT82 WO ALL SER.PREF REPL FOR A200E1 10MHZ MASTER OSCILLATOR

3745B

SERV MAN
OPER MAN
MAN CHANGE
SERV MAN
MAN CHANGEDEC77 03745-90005 MAR78 03745-90030* 8L 01 14 09 USE 3745B FICHE 03745-90034
MAY77 03745-90007 MAY82 03745-90032 8L 01 14 03 SEE TITLE PAGE FOR OPTIONS COVERED
SEP80 03745-90007
AUG78 03745-90009 MAY82 03745-90034 3L 01 14 10 SEE TITLE PAGE FOR OPTIONS COVERED
JUN81 03745-90009

3746A

OPER MAN
SERV MAN
OPER MAN
SERV NOTE SET BELOW
3746A-0
3746A-1
3746A-2B
3746A-3
3746A-4
3746A-5
3746A-6
3746A-7
3746A-8
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3746A-11
3746A-12
3746A-13A
3746A-14
3746A-15NOV81 03746-90001 APR82 03746-90026* 8L 01 14 03 USE 3746A FICHE 03746-90028
MAR84 03746-90002 JUN84 03746-90027 8L 01 14 07
JAN84 03476-90003 SEP84 03746-90028 8L 01 14 03
OCT85
JAN85 - SER NOTE INDEX
JUL82 WO ALL SER.PREF REPL FOR A5Q1,Q3,Q5, & A10Q2,Q4,Q5
JUL85 WN ALL SER.10MHZ PRECISION FREQ REF ASSY (OPT 014) RETROFIT KIT
DEC82 WN ALL SER.RETROFIT PROC FOR OPT 015/016 CHANNEL IMPAIRMENT
DEC82 WN ALL SER.RETROFIT PROC.FOR OPT 012 - TRACKING GEN
DEC82 WN ALL SER.RETROFIT PROC.FOR OPT 011 - GROUP FILTER
FEB83 WO SER 2250U00332 & BELOW.PREF REPL FOR IC A22U16
MAY83 WO ALL SER.PREF REPL FOR A68 BUS TRANSFER
AUG83 WO SER 2320U00371 & BELOW.PREF REPL FOR CAP C3 TO PREV IRREGULAR RESETS OF PROCESSOR
JAN84 WO ALL SER.PREF REPL FOR DIODE CR3
AUG83 WO ALL OPT 013 INST.PREF REPL FOR A41E1
NOV83 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED
JAN84 WO SER 2320U00372 & BELOW.PREF REPL FOR RESISTOR A1R32
APR85 WN SER 2314U00352 & BELOW.RETROFIT HIGH LEVEL SEARCH (HOT TONE) FACILITY
JAN85 WO ALL SER.PREF REPL FOR A41E1 CRYSTAL OSCIL
MAR85 WA SER 2410U00602 & BELOW.INSPECTION OF CIR BETWEEN MOTHERBD & CASTING

3747A

OPER MAN
MAN CHANGE
SERV MAN
MAN CHANGENOV77 03747-90001 MAY82 03747-90026 8L 01 14 03 SEE TITLE PAGE FOR OPTIONS COVERED
SEP80 03747-90001
JUL79 03747-90005 MAY82 03747-90030 8L 01 14 10 SEE TITLE PAGE FOR OPTIONS COVERED
OCT81 03747-90005

3747A/B

SERV NOTE SET BELOW
3747A/B-1
3747A/B-2
3747A/B-3A
3747A/B-4A
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3747A/B-6AOCT85
OCT78 WO SER 1819U & BELOW.IMPROVEMENT IN LOW FREQ NOISE FLOOR.
OCT78 WO SER 1834U & BELOW.PREVENT OF POSSIBLE REMOTE START-UP PROB.
NOV79 WA SER 1804U & BELOW.REC MOD TO 10MHZ XTAL FILTER ASSY.
FEB80 WO 3747A SER 1930U & BELOW;3747B SER 1924U & BELOW.PREF REPL OF ROM4 ON A109 CPU MEM AS
JAN79 WA SER BETWEEN 1809U & 1908U.XY DRIVER (OPT 040) WIRE HARNESS MOD.
SEP79 WO SER 1924U & BELOW.PREF REPL OF CAP A319A1C211/08/85
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3790A

SERV NOT
3790A-1
3790A-2
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3790A-8
3790A-9

3791A

SYSTEM S
MAN CHAN
OPER INS
SERV MAN
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3791A-1
3791A-2
3791A-3
3791A-4
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3791A-6

3791B

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3791B-1
3791B-2
3791B-3

3792A

SYSTEM S
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3792A-2
3792A-3
3792A-4
CONTD
3792A-5

3793A

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3793B

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3747A/B

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3747A/B-8A
3747A/B-9
3747A/B-10
3747A/B-11
3747A/B-12A
3747A/B-13
CONT'D
3747A/B-14
3747A/B-15
CONT'DSEP79 WO SER BELOW 1916U.PREF REPL OF 256-BIT SHIFT REGISTERS ON XY DRIVER A601
FEB83 WN SER 2030U & BELOW.PREF REPL OF MEM ASSY A109
SEP79 WO S 1915U00129 & BELOW.MOD TO PREVENT UNSTABLE INPUT AUTORANGING
SEP79 WO 3747A SER BELOW 1924U00139 & 3747B SER BELOW 1924U00111.PREF REPL OF CAP A311C3
SEP79 WO 3747A SER BELOW 1924U00139 / 3747B SER BELOW 1924U00111.PREF REPL OF IC A211C6
APR81 WN ALL SER.INSTALL OF OPT 022 TO FACILITATE C-MESSAGE WEIGHTED FILTER & PHASE JITTER
FEB80 WA 3747A SER 1950U & BELOW;3747B SER 1924U & BELOW.MOD TO PREVENT ERRON LEVEL MEASMTS
USING A301 NOTCH FILTER
FEB80 WN 3747A ALL SER.INSTRUCT ON HOW TO SELECT CCITT PLANS DURING REMOTE HP-IB OPER
FEB80 WA 3747A SER 1950U & BELOW;3747B SER 1924U & BELOW.MOD TO PREVENT ERRON LEVEL MEASMTS
USING 2.5KHZ FILTER11/08/85
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3793B

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SERV NOTE
3793B-1
3793B-2
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3793B-4
3793B-5

3800A

OPER MAN
SERV MAN

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3747A/B	3747A/B-7B 3747A/B-8A 3747A/B-9 3747A/B-10 3747A/B-11 3747A/B-12A 3747A/B-13 CONT'D 3747A/B-14 3747A/B-15 CONT'D 3747A/B-16 CONT'D 3747A/B-17 CONT'D 3747A/B-18A 3747A/B-19 3747A/B-20 3747A/B-21 3747A/B-22 3745A/B-52/ 3747A/B-23 3747A/B-24 CONT'D 3747A/B-25B 3747A/B-26 3747A/B-27 CONT'D 3747A/B-28	SEP79 WO SER BELOW 1916U.PREF REPL OF 256-BIT SHIFT REGISTERS ON XY DRIVER A601 FEB83 WN SER 2030U & BELOW.PREF REPL OF MEM ASSY A109 SEP79 WO S 1915U00129 & BELOW.MOD TO PREVENT UNSTABLE INPUT AUTORANGING SEP79 WO 3747A SER BELOW 1924U00139 & 3747B SER BELOW 1924U00115.PREF REPL OF CAP A311C3 SEP79 WO 3747A SER BELOW 1924U00139 / 3747B SER BELOW 1924U00115.PREF REPL OF IC A211C6 APR81 WN ALL SER.INSTALL OF OPT 022 TO FACILITATE C-MESSAGE WEIGHTED FILTER & PHASE JITTER FEB80 WA 3747A SER 1950U & BELOW;3747B SER 1924U & BELOW.MOD TO PREVENT ERRON LEVEL MEASMTS USING A301 NOTCH FILTER FEB80 WN 3747A ALL SER.INSTRUCT ON HOW TO SELECT CCITT PLANS DURING REMOTE HP-IB OPER FEB80 WA 3747A SER 1950U & BELOW;3747B SER 1924U & BELOW.MOD TO PREVENT ERRON LEVEL MEASMTS USING 2.5KHZ FILTER FEB80 WO 3747A SER 1924U00140 & BELOW;3747B SER 1924U00115 & BELOW.IMPR IN SUPP OF LINE RADIATED RF1 AUG80 WO 3747A:SER 1950U & BELOW;3747B:SER 1924U & BELOW.MOD TO ELIM EXCESSIVE SPUR SIGNALS FM 2ND MIXER A313 OCT80 WO ALL SER.PREF REPL OF VARACTOR DIODE 0122-0059 AUG80 WO ALL SER.PREF REPL OF PHASE LOCK LGOP IC 1826-0407 JAN81 WO ALL SER.PERF REPL FOR NPN TRANSISTOR JAN81 WN ALL SER.INSTALL INSTRUCT FOR X-Y RECORDER OR CRT DISPLAY OPT 040 JAN81 WO SER 1924U & BELOW.PREF REPL OF A601 X-Y DRIVER ASSY JAN81 WN ALL SER.3745A/B SEMI-AUTOMATIC PERF CHECK USING TAPE CART 03745-18003 NOV80 WO 3747A SER 2030U00173 & BELOW;3747B SER 2036U00126 & BELOW.MOD TO ELIM VARIATION IN PROGRAMMABLE ATTEN STEPS APR85 WA SER 2143U00136 & BELOW.A315 BROADBAND PWR DETECTOR OCT82 WO ALL SER.PREF REPL FOR A203E1 10MHZ MASTER OSCIL MAR83 WO 3747A:SER 2142U00028 & BELOW;3747B:SER 2143U00146 & BELOW.MOD TO IMPROV NOISE FLOOR AT 100KHZ MAY83 WO ALL SER.PREF REPL FOR A203IC1 OR A202A2IC2							
3747B	OPER MAN MAN CHANGE SERV MAN MAN CHANGE	DEC77 03747-90003 SEP80 03747-90003 JUL79 03747-90005 OCT81 03747-90005	MAY82 03747-90028	8L 01 14 03					
375A	OPER NOTE	APR68 00375-90002	AUG70 00375-90003	01 04 01					
3750A	OPER NOTE	OCT70 03750-95000	APR85 03750-95025	8L 01 14 01					
3754A	OPER & SERV MAN MAN CHANGE	MAR77 03754-90000 MAY81 03754-90000	MAY82 03754-90025	8L 01 14 02	SEE TITLE PAGE FOR OPTIONS COVERED				
3754A-001	OPER & SERV MAN MAN CHANGE	MAR77 03754-90000 MAR80 03754-90000	AUG80 03754-90025	8L 01 14 02					
3755A	OPER & SERV MAN MAN CHANGE	MAR77 03755-90000 MAY78 03755-90000	NOV78 03755-90025	8L 01 14 03					
3755A-001	OPER & SERV MAN MAN CHANGE	MAR77 03755-90000 MAY78 03755-90000	NOV78 03755-90025	8L 01 14 03					
3755A-002	OPER & SERV MAN MAN CHANGE	MAR77 03755-90000 MAY78 03755-90000	NOV78 03755-90025	8L 01 14 03					
3755A-003	OPER & SERV MAN	MAR77 03755-90000	NOV78 03755-90025	8L 01 14 03					

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3793B	SYST SERV SERV NOTE 3793B-1 3793B-2 3793B-3 3793B-4 3793B-5
3800A	OPER MAN SERV MAN
3800B	OPER MAN OPER MAN SERV MAN
3801A	OPER MAN SERV MAN
3801A/B	SERV NOTE 3801A/B-1 3801A/B-2 3801A/B-3 3801A/B-4 3801A/B-5A 3801A/B-6 3801A/B-7 3801A/B-8 3801A/B-9 3801A/B10
3801B	OPER MAN OPER MAN SERV MAN
3805A	OPER MAN OPER MAN
3810A	SERV IAN
382A	OPER NOTE OPER & SERV OPER & SERV SERV NOTE 382A-1C 382A-2F
3820A	SERV MAN MAN CHANGE
393A	OPER NOTE MAN CHANGE
394A	OPER NOTE OPER & SERV SERV NOTE

3755A-003

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 ANALYZER
 0051/61
 0052
 0062
 1929A00195 &
 9A00206 & BELOW.
 3566'S AUTO
 0051/61
 0052
 0062
 0051/61
 0052
 0062

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*** DESCRIPTION ***											
3755A-003		MAN CHANGE	MAY78	03755-90000	NOV78	03755-90025	8L	01	14	03	
3755A-004		OPER & SERV MAN MAN CHANGE	MAR77 MAY78	03755-90000 03755-90000	NOV78	03755-90025	8L	01	14	03	
3755A-005		OPER & SERV MAN MAN CHANGE	MAR77 MAY78	03755-90000 03755-90000	NOV78	03755-90025	8L	01	14	03	
3755A-006		OPER & SERV MAN MAN CHANGE	MAR77 MAY78	03755-90000 03755-90000	NOV78	03755-90025	8L	01	14	03	
3756A		OPER & SERV MAN MAN CHANGE	APR78 MAY81	03756-90000 03756-90000	MAY82	03756-90025	8L	01	14	02	
3757A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 3757A-0 3757A-1 CONTO	SEP78 AUG81 JAN85 OCT80	03757-90000 03757-90000 - SER NOTE INDEX WA SER 1948U00230 & BELOW.	MAY82	03757-90025	8L	01	14	02	
MOD TO ALLOW PROPER OP WHEN 2 OR MORE INSTR ARE CASCADED & CONTROL PATH IS VIA COAX CABLE											
3757A-005		OPER & SERV MAN MAN CHANGE	SEP78 AUG81	03757-90000 03757-90000	MAY82	03757-90025	8L	01	14	02	
3757A-200		OPER & SERV MAN MAN CHANGE	SEP78 AUG81	03757-90000 03757-90000	MAY82	03757-90025	8L	01	14	02	
3760A		SERV MAN MAN CHANGE OPER MAN SERV NOTE SET BELOW 3760A-1 3760A-2A 3760A-3 3760A-4 3760A-5 3760A-6 3760A-7/3761A-4 3760A-8 3760A-9 3760A-10 3760A-11	NOV73 NOV77 JUN73	03760-95000 03760-95000 03760-95002	NOV78 JAN76 APR79	03760-95025 03760-95027	8L	01	14	04 01	
- NOT AVAILABLE											
MAY76 WA SER BELOW 1439U-00196.PREF REPL FOR WORD SWITCH INDICATOR LAMPS 2140-0374											
JAN75 WA SER BELOW 1347U-00156.MOD TO STOP A43L1 & A43L2 FROM SHORTING											
JAN75 WA SER BELOW 1416U-00166.REPL OF A28R3 & A38R3											
JAN75 WN SER BELOW 1439U-00186.MAN TRIGGER INPUTS FOR 03760-70025 (A25) ASSEMBLY											
APR75 WA SER BELOW 1515U-00231.CHANGES TO A25 & A25 ASSY FOR COMPATIBILITY WITH FIXED CLOCKS											
MAY75 WN SER BELOW 1439U-00186.RETROFITTING 0.001-1.5 MEGABITS/SEC CAPABILITY											
- NOT AVAILABLE											
AUG75 WN FLD REPL OF A25 CLK INPT AMPLFR ASSY											
DEC77 WA SER BELOW 1744U00351.MOD TO IMPROVE -5.2KV PWR SUPPLY ASSY											
JAN79 WA SER 1744U00356 TO 1744U00394.REC MOD TO DATA DELAY SWITCHING.											
3760A OPTS		SUPP SERV MAN	JAN76	03760-95004	DEC76	03760-95029	8L	01	14	02	
3761A		OPER MAN MAN CHANGE SERV MAN MAN CHANGE SERV NOTE SET BELOW 3761A-1 3761A-2 3761A-3 3760A-7/3761A-4 3761A-5	JUN73 APR75 JUL74 MAR78	03760-95002 03760-95002 03761-95000 03761-95000	JAN76 NOV78	03760-95027 03761-95025	8L	01	14	01 05	
OCT78											
APR74 WO SER BELOW 1349U.PREF REPL FOR A42C1 & A43C1											
MAR75 WA SER BELOW 1446U-00191.PREF REPL FOR A41C1 & A41C5											
MAR75 WA SER BELOW 1447U-00200.MOD TO ELIM EXCESSIVE MISMATCH RINGING											
MAY75 WN SER BELOW 1440U-00181.RETROFITTING 0.001-1.5 MEGABITS/SEC CAPABILITY											
AUG75 WN FIELD REPL OF A20 & A21 ASSY											

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394A
3950
3950A
3950A
3950B
3950B
3955
3960

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3760A-8 - NOT AVAILABLE
3760A-9 AUG75 WN FLD REPL OF A25 CLK INPT AMPLFR ASSY
3760A-10 DEC77 WA SER BELOW 1744U00351.MOD TO IMPROVE -5.2KV PWR SUPPLY ASSY
3760A-11 JAN79 WA SER 1744U00356 TO 1744U00394.REC MOD TO DATA DELAY SWITCHING.

3760A OPTS SUPP SERV MAN JAN76 03760-95004 DEC76 03760-95029 8L 01 14 02

3761A OPER MAN JUN73 03760-95002 JAN76 03760-95027 8L 01 14 01
MAN CHANGE APR75 03760-95002
SERV MAN JUL74 03761-95000 NOV78 03761-95025 8L 01 14 05
MAN CHANGE MAR78 03761-95000

SERV NOTE SET BELOW OCT78
3761A-1 APR74 WO SER BELOW 1349U.PREF REPL FOR A42C1 & A43C1
3761A-2 MAR75 WA SER BELOW 1446U-00191.PREF REPL FOR A41C1 & A41C5
3761A-3 MAR75 WA SER BELOW 1447U-00200.MOD TO ELIM EXCESSIVE MISMATCH RINGING
3760A-7/3761A-4 MAY75 WN SER BELOW 1440U-00181.RETROFITTING 0.001-1.5 MEGABITS/SEC CAPABILITY
3761A-5 AUG75 WN FIELD REPL OF A20 & A21 ASSY

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DESCRIPTION ***

3590 SER BELOW 0

3590 SER BELOW
OUTPUT DAMPING

SWEEP OUTPUT

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3761A 3761A-6B CONTD OCT77 WO SER BELOW 1707U-00306.MOD TO OBTAIN CLOCK & DATA PHASING LAMP ON WITH 150MB/S NRZ DATA INPUT

3762A OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02
SERV MAN MAR80 03762-90006 MAY82 03762-90031 8L 01 14 06 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE JAN82 03762-90006
SERV NOTE SET BELOW JUL85
3762A-0 JAN85 - SER NOTE INDEX
3762A-1 JAN78 WO SER BELOW 1738U00140.MOD TO IMPROVE PERFORMANCE
3762A-2 APR78 WO SER BELOW 1812U-00156.REC MOD TO REDUCE SUSCEP OF 3762A TO CONDCD LINE INTERFERENCE
3762A-3 OCT80 WA SER BELOW 1812U00421 (OPT 201,202,330).MOD TO ELIM INCORRECT ERROR RATE ON TERNARY DATA OUTPUT
CONTD
3762A-4 OCT81 WO ALL SER REPL FOR LINE INPUT THERMISTOR
3762A-5 OCT80 WO SER 21424 & BELOW.REPL FOR LINE INPUT THERISTOR
3762A-6 NOV83 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED
3762A-7 JAN84 WO ALL SER.PREV OF SUBSEQUENT PWR SUPPLY FAILURE

3762A-801 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3762A-907 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3762A-908 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3762A-909 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3762A-910 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3763A OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02
SERV MAN OCT80 03763-90007 MAY82 03763-90032 8L 01 14 06 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE JAN82 03763-90007
SERV NOTE SET BELOW OCT85
3763A-1 OCT77 WN ALL SER.MOD TO ELIM SPURIOUS PRNTG WHEN 3763A IS USED WITH 5050B,5055A & 5150A PRNTR
3763A-2 APR78 WO SER BELOW 1812U00156.MOD TO REDUCE SUSCEPTBLY OF 3763A TO CONDUCTED LN INTERFERENCE.
3763A-3 FEB80 WO SER 1947U00326 & BELOW.MOD TO IMPR REL OF PWR SUPPLY SWITCHING TRANSISTOR
3763A-4 OCT80 WO ALL SER REPL FOR LINE INPUT THERMISTOR
3763A-5 OCT80 WO SER 2150U & BELOW.REPL FOR LINE INPUT THERMISTOR
3763A-6 JUN82 WO SER 2150U00706 & BELOW.ADD OF DELAY TO ENSURE PRINTER PRINTS LOC TIME & DATA
3763A-7B JUN85 WO SER 2150U00800 & BELOW.PREF REPL FOR A14IC27(1820-1755,A14IC27(1820-2040)
CONT'D 03763-60114(TIMER ASSY)
3763A-8 JAN84 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED
3763A-9 JAN84 WO ALL SER.PREV OF SUBSEQUENT PWR SUPPLY FAILURE
3763A-10 DEC83 WO ALL SER.MOD TO IMPROV RETURN LOSS ON CMI INPUT
3763A-11 JAN85 WO OPT 201,202,330.PREF REPL FOR A3Q5 & A3Q6

3763A-801 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3763A-907 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3763A-908 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3763A-909 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3763A-910 OPER MAN SEP77 03762-90001 OCT77 03762-90026 8L 01 14 02

3764A SERV MAN APR84 03764-90001 DEC84 03764-90026* 8L 01 14 03 USE 3764A FICHE 03764-90028

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3964A

3964A-

3964A-

3964A-

3968A

SWEEP OUTPUT

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3763A-801	OPER MAN	SEP77 03762-90001	OCT77 03762-90026	8L 01 14 02
3763A-907	OPER MAN	SEP77 03762-90001	OCT77 03762-90026	8L 01 14 02
3763A-908	OPER MAN	SEP77 03762-90001	OCT77 03762-90026	8L 01 14 02
3763A-909	OPER MAN	SEP77 03762-90001	OCT77 03762-90026	8L 01 14 02
3763A-910	OPER MAN	SEP77 03762-90001	OCT77 03762-90026	8L 01 14 02
3764A	SERV MAN	APR84 03764-90001	DEC84 03764-90026*	8L 01 14 03 USE 3764A FICHE 03764-90028

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DESCRIPTION ***

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
3764A		OPER INFO MAN CHANGE SERV MAN SERV NOTE SET BELOW	JAN84	03764-90002	JUN84	03764-90027	8L	01	14	02	
		3764A-1	FEB84	03764-90002							
		3764A-2	DEC84	03764-90003	AUG85	03764-90028	8L	01	14	08	
		3764A-3			OCT85						
		3764A-4	NOV83	WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED							
		3764A-5A	FEB84	WO ALL SER.REMOV PWR BEFORE INSERTT/REMOVNG ASSY							
		3764A-6-S	JUN84	WA SER 2418A00237 & BELOW.MOD TO PREV INCORREC READ OF ANALOGUE AUX INPUT VOLTG							
		3764A-7	JUL84	WA SER 2418A00244 & BELOW.MOD TO PREV INCORREC AIS & SYNC LOSS MESSAGE-PRINTER/CASSETTE							
		3764A-8	APR85	WO SER 2419U00257 & BELOW.MOD TO PROT NON VOLATILE MEMORY							
		3764A-9	OCT84	WO SAFETY.SER 2418U00246 & BELOW.ELIM OF POT SAFE HAZ							
		3764A-10	OCT84	WO SER 2418U00246 & BELOW.REC PROC FOR REPL OF FAN							
		3764A-11A	OCT84	WO SER 2418U00246 & BELOW.PROC FOR REPL OF A24 LINE INPUT ASSY							
		3764A-12	NOV84	WN SER 2419A00536 & BELOW.FIRMWARE REV							
			JAN85	WN ALL SER.PRINTER RETROFIT KIT							
			MAY85	WN ALL SER.TAPE CASSETTE RETROFIT KIT							
			JUN85	WA SER 2419U00580 & BELOW.OPT 010 TAPE CASSETTE FIRMWARE REV							
3770A		SERV MAN MAN CHANGE SERV NOTE SET BELOW	JUN75	03770-90000	NOV78	03770-90025	8L	01	14	07	
		3770A-1	AUG78	03770-90000							
		3770A-2C			OCT84						
		3770A-3	OCT74	WA SER BELOW U-00131.MOD TO CORREC LIMITING OF Y RECORDER OUTPUT							
		3770A-4	JUN78	WO SER BELOW U-00483.REC TO INCREASE RECEIVER FREQ DISPLAY STABILITY							
		3770A-5	OCT74	WA SER BELOW U-00151.MOD TO AVOID INVALID FREQ INDICATION AT SWITCH-ON							
		3770A-6	OCT74	WA SER BELOW U-00151.MOD TO ELIM DISTORTION UN 41.66 HZ MODULATING SIGNAL							
		3770A-7	FEB75	WA SER BELOW U-00151.MOD TO STOP CURRENT LIMITING OF POWER SUPPLY							
		3770A-8	FEB75	WA SER BELOW U-00285.MOD TO CORREC FALSE READINGS OF FREQ & MEAS LED DISPLAYS							
		3770A-9	MAR75	WA SER BELOW U-00215.OVERLOAD CONDT OF D/A ASSY ON 5 KHZ RANGE							
		3770A-10A	MAR75	WA SER BELOW U-00215.MOD TO CORREC FAULTY FREQUENCY DISPLAY							
		3770A-11	JUL75	WA SER BELOW U-00256.A32 COMPONENT REPL							
		3770A-12-S	APR76	WN SER BELOW U-00256.FRONT PANEL PRTS COMPATABILITY							
		3770A-13A	JUL75	WO SER BELOW U-00151.COMPATABILITY OF FRONT & REAR FRAMES & TOP & BOTTOM COVERS							
		3770A-14	-	WA SAFTY.SER BELOW 1539U00366.ELIMINATION OF POTENTIAL SHOCK HAZARD							
		3770A-15A	MAR76	WO MOD TO ELIM NOISY VO.VUME CNTR POTENTIOMETER							
		3770A-16	-	WA SER BELOW 1447U-00356.MOD FOR EASY REMOVAL OF TOP & BOTTOM COVERS							
		3770A-17A	APR76	WN ALL SER.ATTENUATION DISTORTION SERVICE KITS							
		CONT'D	MAY76	WA SER BELOW U-00396.MOD TO IMPR ATTEN DISTORTION PERFORMANCE AT LOW OUTPUT LEVELS							
		3770A-18	OCT78	WN SER BELOW 1651U00483.REC TO IMPROVE ATTEN DIST RESPONSE WITH INPUT FREQ WIDELY SEP/ PREVENTING OSC ON A31.							
		3770A-19	MAY76	WO SER BELOW U-00381.PREF REPL OF STORAGE COVER							
		3770A-20	MAY76	WN SER BELOW U-00396.MOD TO IMPR LO-LEVEL RECIEVER AMPLITUDE MEASUREMENT STABILITY							
		3770A-21	JUN76	WO ALL SER.PREF REPL OF FUSE FOR 230V OPERATION							
		3770A-22	MAY76	WO ALL SER.PREF REPL OF A11R20 & A11R19							
		3770A-23	MAY76	WO SER BELOW U-00256.PREF REPL OF A4 RN2,RN3,RN4, & RN5							
		3770A-24	JUN76	WN ALL SER.PREF REPL OF HEAT SINKS ON A5/A6							
		3770A-25	JUN76	WN SER ABOVE U-00396.PREF REPL OF VOLTAGE SELECTOR SWITCH A23S1							
		3770A-26	JUN76	WO SER BELOW U-00381.PREF REPL OF A1CR1-CR10							
		3770A-27	SEP76	WO SER BELOW U-00400.MOD TO CORREC BLANKED DISPLAY CAUSED BY FAULTY SYNCRONIZATION							
		3770A-28	SEP76	WO ALL SER.PREF REPL OF A21Q1							
		3770A-29	SEP76	WO ALL SER.PREF REPL OF A21R36							
		3770A-30	-	WO SER BELOW 0441.PREF REPL OF A11R30							
		3770A-31	MAR77	WN ALL SER.PREF REPL OF A23R5.							
		3770A-32	MAR77	WN ALL SER.PREF REPL OF A23C1 & C2							
		3770A-33	MAR77	WO SER BELOW U-00430.MOD TO ENSURE SENDER MEASUREMENT FREQ=SLA ON SWITCH-ON							
		3770A-34	APR77	WN ALL SER.INCORREC PN OF POWER SWITCH							
			JUL77	WN ALL SER.A39 ASSY REPLACEMENT							

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3968A

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3968A

3968A-C

3968A-C

3968A-C

4B

4S

40HD

400A

400B

400D

400D-HC

400E

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33

3770A-20
3770A-21
3770A-22
3770A-23
3770A-24
3770A-25
3770A-26
3770A-27
3770A-28
3770A-29
3770A-30
3770A-31
3770A-32
3770A-33
3770A-34

JUN76 WO ALL SER.PREF REPL OF FUSE FOR 230V OPERATION
MAY76 WO ALL SER.PREF REPL OF A11R20 & A11R19
JUN76 WN ALL SER.PREF REPL OF HEAT SINKS ON A5/A6
JUN76 WN SER ABOVE U-00396.PREF REPL OF VOLTAGE SELECTOR SWITCH A23S1
JUN76 WO SER BELOW U-00381.PREF REPL OF A1CR1-CR10
SEP76 WO SER BELOW U-00400.MOD TO CORREC BLANKED DISPLAY CAUSED BY FAULTY SYNCRONIZATION
SEP76 WO ALL SER.PREF REPL OF A21Q1
SEP76 WO ALL SER.PREF REPL OF A21R36
- WO SER BELOW 0441.PREF REPL OF A11R30
MAR77 WN ALL SER.PREF REPL OF A23R5.
MAR77 WN ALL SER.PREF REPL OF A23C1 & C2
MAR77 WO SER BELOW U-00430.MOD TO ENSURE SENDER MEASUREMENT FREQ=SLA ON SWITCH-ON
APR77 WN ALL SER.INCORREC PN OF POWER SWITCH
JUL77 WN ALL SER.A39 ASSY REPLACEMENT

400D-HO
400E

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DESCRIPTION ***
MBLY
R R7
PHASE DISPLAYS
AY
O A6R4 INTENS
24MC2,A24MC3
SW (S7).
SERV NOTE
5A PLUG-IN

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3770A

3770A-35
3770A-36
3770A-37A
3770A-38
3770A-39
3770A-40
3770A-41
3770A-42
3770A-43
3770A-44

JUN78 WN ALL SER.REC REPL P/N OF A15IC10,IC11,IC14, & IC15
OCT78 WO SER BELOW 1817U00503.PREFERRED REPL FOR LOUDSPEAKER LS1.
SEP79 WN ALL SER.REC RETROFITTING INSTRUCTIONS FOR OPT 001 (+10DBM SWITCH).
JUL79 WO SER BELOW 1905U00503.PREF REPL FOR POWER SUPPLY MODULE.
APR80 WO SER 1905U00528 & BELOW.MOD TO IMPROVE A21 40KHZ TIMER ADJ RANGE
APR80 WO ALL SER.PREF REPL FOR TRANSISTORS A31Q2,3,5,7,9,10,12,14,16,17,19
MAY80 WO ALL SER.PREF REPL OF 4-BIT BISTABLE LATCH, PN 1820-0876
JAN81 WO ALL SER.PREF REPL OF 4-LINE TO 10-LINE DECODER
JAN84 WN ALL SER.PREF REPL OF 16 PIN IC SOCKET P/N 1200-0767
JUN84 WN ALL SER.PREF REPL OF ROTARY PULSE GEN ASSY A3

3770B

OPER MAN
OPER MAN
OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3770B-1
3770B-2
3770B-3
3770B-4
3770B-5
3770B-6
CONT'D
3770B-7
3770B-8
3770B-9
3770B-10
3770B-11
3770B-12A
3770B-13
3770B-14A
3770B-15
3770B-16
3770B-17A
3770B-18
3770B-19
3770B-20
3770B-21
3770B-22
3770B-23
3770B-24
3770B-25
3770B-26
3770B-27
3770B-28
3770B-29
3770B-30

MAY76 03770-90011 JUL77 03770-90036* 8L 01 14 01 USE 3770B FICHE 03770-90044
MAR81 03770-90019 JUL81 03770-90044 8L 01 14 01
MAY77 03770-90020 MAY82 03770-90045 8L 01 14 08
JUN81 03770-90020
OCT84
MAR77 WN ALL SER.PREF REPL OF A23RT1
MAR77 WN SER BELOW U-00116.IMPR OF 3DB CHECK FACILITY AT LGW OUTPUT LEVELS
MAR77 WO SER BELOW U-00126.PREF REPL OF A21R36
MAR77 WN SER BELOW U-00131.MOD TO IMPR NOISY GROUP DELAY PERFORMANCE AT HIGH TEMPERATURE
MAR77 WA SER BELOW U-00131.MOD TO CORREC AVERAGING TIME OF RMS DETECTOR (WDT & -TONE MODES)
MAR77 WA SER U-00131 TO U-00151.MOD TO STOP ERRATIC DISPLAY IN NOISE + TONE MODE WITH INPUT
FREQUENCY = 1KHZ
MAR77 WO SER BELOW U-00156.MOD TO STOP ERRONEGUS IMPULSE NOISE COUNT
MAR77 WO SER BELOW U-00166.ENSURING ENOUGH RANGE IN A12 RETRANSMISSION ADJUSTMENT
APR77 WN ALL SER.INCORREC PN OF POWER SWITCH
JUL77 WN ALL SER.A39 ASSY REPLACEMENT
JUL77 WN ALL SER.A13 ASSY.REPLACEMENT
JUN78 WO SER BELOW U-00246.REC PROC TO INCREASE RECEIVER FREQ DISPLAY STABILITY
DEC77 WN ALL SER.PREF REPL OF A34C5
JUL79 WA SER BELOW 1728U00246.MOD TO PREVENT OSCILLATIONS ON ASSY A31.
JUN78 WN ALL SER.REC REPL P/N A15IC10,IC11,IC14 & IC15
DEC78 WN SER BELOW 1728U00311.PROC TO PREVENT SHORTING OF CAPS ON A23 ASSY.
APR79 WA SER BELOW 1851U-00380.REC MOD TO IMPR PERF OF POWER SUPPLY
APR79 WO SER BELOW 1851U-00361.REC MOD TO A31 INPUT AMP ASSY
APR80 WO SER 2010U00506 & BELOW.MOD TO IMPROVE A21 40KHZ TIMER ADJ RANGE
APR80 WO ALL SER.PREF REPL FOR TRANSISTORS A31Q2,3,5,7,9,10,12,14,16,17,19
MAY80 WO ALL SER.PREF REPL FOR CAP A11C7
MAY80 WO ALL SER.PREF REPL OF 4-BIT BISTABLE LATCH, PN 1820-0876
JAN81 WO SER 2045U00591 & BELOW.MOD TO INSURE ENOUGH RANGE IN A11 20KHZ ADJ
JAN81 WO ALL SER.PREF REPL OF 4-LINE TO 10-LINE DECODER
APR81 WN ALL SER.INSTR RACKMOUNT RETROFIT KIT
SEP82 WN ALL SER. PREF REPL OF PWR SUPPLY SWTCH TRANS PART NUMBER 1854-0665
JAN84 WN ALL SER.PREF REPL OF 16 PIN IC SOCKET P/N 1200-0767
JAN84 WN ALL SER.PREF REPL OF DIODES HP P/N 1910-0030 & 1910-0034
JUN84 WN ALL SER.PREF REPL OF ROTARY PULSE GEN ASSY A3
JUN84 WN ALL SER.PREV MAINT TO MINIMISE POCs OF INTERM FAIL

3770B-020

SERV MAN SUPP
OPER & SERV MAN
MAN CHANGE

APR81 03770-90024 JUL81 03770-90049* 8L 01 14 03 USE 3770B-020 FICHE 03770-90075
JUL81 03770-90050 DEC81 03770-90075 8L 01 14 08
NOV81 03770-90050

3771A

OPER MAN
OPER MAN
MAN CHANGE

APR78 03771-90001 JUL78 03771-90026* 8L 01 14 01 USE 3771A FICHE 03771-90034
MAR79 03771-90009 AUG80 03771-90034 8L 01 14 01
JUN79 03771-90009

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MODEL
NUMBER

400E
400E/EL

400EL

400F

400F/FL

400FL

400GL

400H

400L

401

RV NOTE

A PLUG-IN

3770B-25	APR81 WN ALL SER. INSTR RACKMOUNT RETROFIT KIT									
3770B-26	SEP82 WN ALL SER. PREF REPL OF PWR SUPPLY SWTCH TRANS PART NUMBER 1854-0665									
3770B-27	JAN84 WN ALL SER. PREF REPL OF 16 PIN IC SOCKET P/N 1200-0767									
3770B-28	JAN84 WN ALL SER. PREF REPL OF DIODES HP P/N 1910-0030 & 1910-0034									
3770B-29	JUN84 WN ALL SER. PREF REPL OF ROTARY PULSE GEN ASSY A3									
3770B-30	JUN84 WN ALL SER. PREV MAINT TO MINIMISE POSS OF INTERM FAIL									
3770B-020	SERV MAN SUPP OPER & SERV MAN MAN CHANGE	APR81 03770-90024 JUL81 03770-90050 NOV81 03770-90050	JUL81 03770-90049* 8L 01 14 03 DEC81 03770-90075 8L 01 14 08	USE 3770B-020 FICHE 03770-90075						
3771A	OPER MAN OPER MAN MAN CHANGE	APR78 03771-90001 MAR79 03771-90009 JUN79 03771-90009	JUL78 03771-90026* 8L 01 14 01 AUG80 03771-90034 8L 01 14 01	USE 3771A FICHE 03771-90034						

400H

400L

401

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PTION ***

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*** DESCRIPTION ***											
3771A		OPER & SERV MAN MAN CHANGE	JAN80	03771-90016	AUG80	03771-90041	8L	01	14	09	
3771A-001		OPER MAN OPER MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	APR78 MAR79 JUN79 JAN80 JUN80	03771-90001 03771-90009 03771-90009 03771-90016 03771-90016	JUL78 AUG80	03771-90026* 03771-90034	8L	01	14	01	USE 3771A-001 FICHE 03771-90034
3771A-002		OPER MAN OPER MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	APR78 MAR79 JUN79 JAN80 JUN80	03771-90001 03771-90009 03771-90009 03771-90016 03771-90016	JUL78 AUG80	03771-90026* 03771-90034	8L	01	14	01	USE 3771A-002 FICHE 03771-90034
3771A-003		OPER MAN OPER MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	APR78 MAR79 JUN79 JAN80 JUN80	03771-90001 03771-90009 03771-90009 03771-90016 03771-90016	JUL78 AUG80	03771-90026* 03771-90034	8L	01	14	01	USE 3771A-003 FICHE 03771-90034
3771A-004		OPER MAN OPER MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	APR78 MAR79 JUN79 JAN80 JUN80	03771-90001 03771-90009 03771-90009 03771-90016 03771-90016	JUL78 AUG80	03771-90026* 03771-90034	8L	01	14	01	USE 3771A-004 FICHE 03771-90034
3771A-005		OPER MAN SUPP SERV MAN SUPP OPER MAN MAN CHANGE OPER & SERV MAN MAN CHANGE	SEP78 DEC78 MAR79 JUN79 JAN80 JUN80	03771-90006 03771-90007 03771-90009 03771-90009 03771-90016 03771-90016	DEC78 JAN79 AUG80	03771-90031* 03771-90032* 03771-90034	8L	01	14	01	USE 3771A-005 FICHE 03771-90034 USE 3771A-005 FICHE 03771-90041
3771A-006		OPER & SERV MAN MAN CHANGE	JAN80 JUN80	03771-90016 03771-90016	AUG80	03771-90041	8L	01	14	09	
3771A-061		OPER MAN OPER MAN MAN CHANGE OPER & SEV MAN MAN CHANGE	APR78 MAR79 JUN79 JAN80 JUN80	03771-90001 03771-90009 03771-90009 03771-90016 03771-90016	JUL78 AUG80	03771-90026* 03771-90034	8L	01	14	01	USE 3771A-061 FICHE 03771-90034
3771A/B		SERV NOTE SET BELOW			OCT84						
3771A/B-1			NOV78	WN ALL SER. RETROFITTING INSTRUCT FOR PRINTER BD OPT 004.							
3771A/B-2A			MAR80	WN ALL SER. REC PROC FOR RETROFITTING FOR JPT 001 (+10DBM SWITCH)							
3771A/B-3			MAR79	WA SER BELOW 1806U-00114 (3771B) & 1806U-00119 (3771A). REC MOD TO ASSY A33							
3771A/B-4A			AUG79	WA SER BELOW 1926U.MOD TO PREVENT GAIN HITS FROM CAUSING DROPOUTS							
3771A/B-5			AUG79	WN SER BELOW 1851U00123 (3771A) & 1851U00120 (3771B). NEW CARRYING HANDLE.							
3771A/B-6A			MAY80	WO 3771A SER BELOW 1937U00160 & 3771B SER BELOW 1937U00123. PREF REPL E1 MAINS MODULE							
3771A/B-7			OCT79	WN ALL SER. RETROFITTING INSTRUCT FOR OPT 061							
3771A/B-8			OCT79	WO ALL SER. PREF REPL OF SWITCHES A38S1 & A40S1							
3771A/B-9A			MAR80	WN ALL SER. TABLE OF LINK POSITIONS FOR 3771A, 3771B & OPTS							
3771A/B-10			NOV79	WA 3771A:SER BELOW 1937U00160. 3771B:SER BELOW 1937U00123. MOD TO PREVENT POSSIBLE REMOTE MODE MALFUNCTION							
		CONT'D									

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4022A

403A

403B

404A

405A

405BR

4050A

4061A

A PLUG-IN

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3771A/B	SERV NOTE SET BELOW	OCT84	NOV78 WN ALL SER.RETROFITTING INSTRUCT FOR PRINTER BD OPT 004.
3771A/B-1		MAR80 WN ALL SER.REC PROC FOR RETROFITTING FOR JPT 001 (+10DBM SWITCH)	
3771A-2A		MAR79 WA SER BELOW 1806U-00114 (3771B) & 1806U-00119 (3771A).REC MOD TO ASSY A33	
3771A/B-3		AUG79 WA SER BELOW 1926U.MOD TO PREVENT GAIN HITS FROM CAUSING DROPOUTS	
3771A/B-4A		AUG79 WN SER BELOW 1851U00123 (3771A) & 1851U00120 (3771B).NEW CARRYING HANDLE.	
3771A/B-5		MAY80 WO 3771A SER BELOW 1937U00160 & 3771B SER BELOW 1937U00123.PREF REPL E1 MAINS MODULE	
3771A/B-6A		OCT79 WN ALL SER.RETROFITTING INSTRUCT FOR OPT 061	
3771A/B-7		OCT79 WO ALL SER.PREF REPL OF SWITCHES A38S1 & A40S1	
3771A/B-8		MAR80 WN ALL SER.TABLE OF LINK POSITIONS FOR 3771A, 3771B & OPTS	
3771A/B-9A		NOV79 WA 3771A:SER BELOW 1937U00160.3771B:SER BELOW 1937U00123.MOD TO PREVENT POSSIBLE REMOTE	
3771A/B-10		MODE MALFUNCTION	
CONT'D			

4050A
4061A

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OPTION ***

ON SWITCH S2

PLUG-IN

TIOMETER

ITCH ON

6 70-MHZ

IC8
EMP ON BD

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
3771A/B		3771A/B-11A	MAR80	WN	ALL SER.RETROFIT INSTRUCTIONS FOR OPT 002 (LOOP HOLDING)							
		3771A/B-12	DEC79	WO	3771A SER 1937U00165 & BELOW;3771B SER 1937U00123 & BELOW.PREF REPL OF ASSY A31							
		CONT'D			INPUT TRANSFORMER T1							
		3771A/B-13	JAN80	WA	3771A SER 2002U00175 & BELOW;3771B SER 1937U00123 & BELOW.MOD TO PREVENT LOSS OF DC							
		CONT'D			LOOP HOLDING PATH WHEN MEAS/SPEAK SWITCH IS SET FM SPEAK TO MEAS							
		3771A/B-14	FEB80	WO	ALL SER.PREF REPL OF RES A3R6 & A3R7							
		3771A/B-15B	JUN80	WA	3771A SER 2002U00180 & BELOW;3771B SER 1937U00123 & BELOW.MOD TO PREVENT POSS LOSS							
		CONT'D			OF THE 2040HZ TRANSMISSION FREQ WHEN FREQ SHIFT IS SELECTED IN THE 3771A							
		3771A/B-16	MAR80	WA	3771A SER 2002U00175 & BELOW;3771B SER 1937U00128 & BELOW.INSTAL OF TRBLSHTG AID FOR							
		CONT'D			HP-IB SECTION							
		3771A/B-17	APR80	WO	ALL SER.PREF REPL OF PHASE-LOCKED LOOP IC'S							
		3771A/B-18A	JUL84	WN	ALL SER.RETROFIT INSTRUCT FOR HP-IB OPT 005							
		3771A/B-19	JAN81	WA	3771A SER 2038U00250 & BELOW;3771B SER 2046U00133 & BELOW.MOD TO PREVENT DECADE							
		CONT'D			SELECT CODE (L1,L2,L3,L4)							
		3771A/B-20	MAR81	WA	3771A SER 2107U00295 & BELOW;3771B SER 2105U00138 & BELOW.MOD TO PREVENT POSSIBLE							
		CONT'D			LOSS & BLANKING OF DROPOUTS DISPLAY							
		3771A/B-21	AUG81	WA	3771A:SER 2121U00320 & BELOW;3771B:SER 2127U00148 & BELOW.MOD TO PREVENT POSSIBLE							
		CONT'D			RESETTING OF TRANS COUNTERS WHEN CHANGING CONTROL SW FM RUN TO STOP							
		377A/B-22A	MAY82	WA	3771A:SER 2117U00380 & BELOW;3771B:SER2227U00163 & BELOW.MOD TO PREVENT HP-IB MALFUN							
		CONT'D			IN PARALLEL POLL MODE							
		3771A/B-23	JAN82	WA	3771A;SER 2148U00350;3771B:SER 2206U00158,MOD TO PREVENT POSS PREV OF PHASE HITS							
		3771A/B-24	FEB82	WA	HP-IB(OPT 005)ASSEM 03771-69041;DATOCODES BELOW 2013-14							
		3771A/B-25	MAY82	WO	3771A:SER 2217U00380 & BELOW;3771B:SER 2227U00163 & BELOW.MOD TO ENSURE RANGE IN							
		CONT'D			A35R53 AMPITUDE ADJUST							
		3771B-26	MAY83	WO	SER 2227U00168 & BELOW.MOD TO PREV POSS COUNT ERROR							
		3771A/B-28	JAN84	WA	3771A:SER 2332U00450 & BELOW;3771B:SER 2227U00173.MOD TO PREV INTERFERENCE AT LOW							
		CONT'D			LEVELS WEHN PERF IMPULS NOISE MEASUREMENTS							
		3771A/B-29	JAN84	WN	ALL SER.PREF REPL OF DIODES HP P/N 1910-0034							
		3771A/B-30	JAN84	WA	3771A:SER 2402U00465 & BELOW;3771B:SER 2409U00188.POSS HP-IB HANG-UP CAUSED BY MAINS							
		CONT'D			PWR TRANS							
		3771B-31	FEB84	WA	SER 2332U00183 & BELOW.POSS NOISE MEAS ERROR IN "NOISE" MODE WITH SIGN INPUT AT							
		CONT'D			APPROX 5KHZ & -15DBM & C-MESSAGE FILTER SELECTED							
		3771A/B-32	JUL84	WN	ALL SER.PREF REPL OF IC 1820-2037 & 1820-1486							
3771B		OPER MAN	APR78		03771-90002	JUL78	03771-90027*	8L	01	14	01	USE 3771B FICHE 03771-90035
		OPER MAN	MAR79		03771-90010	MAY82	03771-90035	8L	01	14	01	SEE TITLE PAGE FOR OPTIONS COVERED
		MAN CHANGE	JUN79		03771-90010							
		OPER & SERV MAN	JAN80		03771-90016	AUG80	03771-90041	8L	01	14	09	
		MAN CHANGE	JUN80		03771-90016							
3771B-001		OPER & SERV MAN	JAN80		03771-90016	AUG80	03771-90041	8L	01	14	09	
		MAN CHANGE	JUN80		03771-90016							
3771B-003		OPER & SERV MAN	JAN80		03771-90016	AUG80	03771-90041	8L	01	14	09	
		MAN CHANGE	JUN80		03771-90016							
3771B-006		OPER & SERV MAN	JAN80		03771-90016	AUG80	03771-90041	8L	01	14	09	
		MAN CHANGE	JUN80		03771-90016							
3776A		OPER MAN	MAY84		03776-90000	DEC84	03776-90025	8L	01	14	04	
		SERV NOTE SET BELOW				OCT85						
		3776A-1	NOV83	WA	SER 2337U00122 & BELOW.MOD TO PREV POSS KEYBD LED INTERACTION WHEN FRONT PANEL KEY							
		CONT'D			IS DEPRESSED							
		3776A-2	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO PREV POSS RESIDUAL PHASE JITTER PROB WITH							
		CONT'D			FILTER B (4HZ TO 300HZ)SELECTED							

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4061A

4061A-026

4061A-036

4061A-045

4061A-046

4062A

4062B

4063A

4064A

4081A

4081A-261

4081A-270

4081A-271

4081A-272

4081A-282

4083A

4085M

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											

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3771B-006	OPER & SERV MAN MAN CHANGE	JAN80 03771-90016 JUN80 03771-90016	AUG80 03771-90041 8L 01 14 09
3776A	OPER MAN SERV NOTE SET BELOW 3776A-1 CONT'D 3776A-2 CONT'D	MAY84 03776-90000 NOV83 WA SER 2337U00122 & BELOW.MOD TO PREV POSS KEYBD LED INTERACTION WHEN FRONT PANEL KEY IS DEPRESSED NOV83 WA SER 2330U00112(OPT 001) & BELOW.MOD TO PREV POSS RESIDUAL PHASE JITTER PROB WITH FILTER B (4HZ TO 300HZ)SELECTED	DEC84 03776-90025 8L 01 14 04 OCT85

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3776A		3776A-3 CONT'D	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO PREV SPURIOUS INTERUPT OCCURING, CAUSING ERROR 96						
		3776A-4	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO IMPROV PERF WHEN CUNNING TRANST MEAS						
		3776A-5	NOV83	WA	SER 2340U00132 & BELOW.MOD TO IMPROV PERF WHILE IN IDLE STATE -PSOPH MEASUR						
		3776A-6	NOV83	WA	SER 2340U00132 & BELOW.SOFTWARE MOD TO PREV UNSTABLE SIGNATUR WHEN TRBLSHG ASSY A9						
		3776A-7	NOV83	WO	ALL SER.WHERE THE PROTECT FUSES ARD LOCATED						
		3776A-8	JAN84	WA	SER 2347U00152 & BELOW.MOD TO PREV INTERMITT CORRUP OF NON VOLATILE MEMORY (NVM)						
		3776A-9	FEB84	WN	ALL SER.SAVE PRE-PROG CONTENT OF VOLATILE MEKOY(NVM)PRIOR TO TRBLESHTG OR PERF CHEC						
		3776A-10B CONT'D	SEP84	WA	SER 00422 & BELOW.MOD TO PREV POSS MULTIPL INTERUPTS FOR KEY BD CAUSING "ERROR 104" TO BE DISPLY						
		3776A-11A CONT'D	APR84	WA	SER 2409U00162 & BELOW.EXCLUD U0126 TO 00131,00135 TO 00141 & 00150.POSS CLOCK RECOVERY PROB CAUSED BY NOISE & JITTER IN RECEIVER CLOCK EXTRACTION CIR						
		3776A-12	FEB84	WA	SER 2409U00162 & BELOW.FIRMWARE MOD TO ENHANCE INST SPEC & CORREC SOME SOFTWARE BUGS						
		3776A-13B	JUN84	WN	ALL SER.RETROFITT INSTRUC FOR DATA MEAS OPT 001						
		3776A-14 CONT'D	APR84	WA	SER 2409U00162 & BELOW.SOFTWARE MOD TO PREV OCCASIONAL "ERROR 36" BEING DISPLY WHILE PERF BACK-TO-BACK ENVELOPE DELAY DIST MEAS IN THE MONITOR MODE						
		3776A-15B	AUG84	WA	SER 2423U00202 & BELOW.SOFTWARE MOD CORREC BUG THAT PREV RUN OF CONTIN PULSE						
		3776A-16	JUN84	WA	ALL SER.PREF REPL ANALOG SWTCH IC HP P/N 1820-1971						
		3776A-17	JUN84	WN	ALL SER.PREF REPL RAM HP P/N 1818-1718						
		3776A-18A	JAN85	WN	SER 2444U00282 & BELOW.FREQ UPDATE INST FOR DATA MEAS OPT 001						
		3776A-19	SEP84	WN	ALL SER.TEST PROG DATA CARTRIDGE(HP P/N 03776-10001)MOD						
		3776A-20A	JAN85	WN	SER 2444U00282 & BELOW.OPT 001 OLD ASSY 03776-6008 COMPAT WITH FIRMWARE REV 2501						
		3776A-21A	APR85	WN	ALL SER.TEST PROG DATA CARTRIDGE (HP P/N 03776-10001)MOD-UPDATE TO REV C						
		3776A-22	MAR85	WA	SER 2444U00292 & BELOW.FIRMWARE REV TO CHNG GEN IDLE CODE						
		3776A-23	JUL85	WN	ALL SER.TEST PROG DATA CARTRIDGE(HP P/N 03776-10001) MOD-UPDATE TO REV D						
3776B		OPER MAN MAN CHANGE SERV NOTE SET BELOW	APR84	03776-90003	DEC84 03776-90028 8L 01 14 04						
		3776B-1 CONT'D	OCT84	03776-90003	OCT85						
		3776B-2 CONT'D	NOV83	WA	SER 2338U00142 & BELOW.MOD TO PREV POSS KEYBD LED INTERATION WHEN FRONT KEY IS DEPRESSED						
		3776B-3 CONT'D	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO PREV POSS RESIDUAL PHASE JITTER PROB WITH FILTER B (4HZ TO 300HZ)SELECTED						
		3776B-4 CONT'D	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO PREV SPURIOUS INTERUPT OCCURING, CAUSING ERROR 96						
		3776B-5	NOV83	WA	SER 2330U00112(OPT 001) & BELOW.MOD TO IMPROV PERF WHEN CUNNING TRANST MEAS						
		3776B-6	NOV83	WA	SER 2340U00152 & BELOW.MOD TO IMPROV PERF WHILE IN IDLE STATE -PSOPH MEASUR						
		3776B-7	NOV83	WA	SER 2340U00152 & BELOW.SOFTWARE MOD TO PREV UNSTABLE SIGNATUR WHEN TRBLSHG ASSY A9						
		3776B-8	NOV83	WO	ALL SER.PROT FUSE LOCATIONS						
		3776B-9	JAN84	WA	SER 2346U00182 & BELOW.MOD TO PREV INTERMITT CORRUP OF NON VOLATILE MEMORY (NVM)						
		3776B-10B CONT'D	FEB84	WN	ALL SER.SAVE PRE-PROG CONTENT OF VOLATILE MEKOY(NVM)PRIOR TO TRBLESHTG OR PERF CHEC						
		3776B-11A CONT'D	SEP84	WA	SER 00422 & BELOW.MOD TO PREV POSS MULTIPL INTERUPTS FOR KEY BD CAUSING "ERROR 104" TO BE DISPLY						
		3776B-12	APR84	WA	SER 2404U00243 & BELOW,EXCLUD 00229 TO 00241,00222 TO 00227,00217 & 00218. POSS CLOCK RECOVERY PROB CAUSED BY NOISE & JITTER IN RECEIVER CLOCK EXTRACTION CIR						
		3776B-13B	FEB84	WA	SER 2404U00242 & BELOW.FIRMWARE MOD TO ENHANCE INST SPEC & CORREC SOME SOFTWARE BUGS						
		3776B-14 CONT'D	JUN84	WN	ALL SER.RETROFITT INSTRUC FOR DATA MEAS OPT 001						
		3776B-15B	APR84	WN	SER 2408U00279 & BELOW,EXCLUD 00274,00272,00269,00268,00265,00264,&00262.SOFTWARE MOD TO PREV OCCASIONAL "ERROR 36" BEING DISPLAY WHILE PERF BACK-TO-BACK ENVELOPE DELAY DIST MEAS MONITOR MODE						
		3776B-16	AUG84	WA	SER 2423U00462 & BELOW.SOFTWARE MOD CORREC BUG THAT PREV RUN OF CONTIN PULSE						
		3776B-17	JUN84	WA	ALL SER.PREF REPL ANALOG SWTCH IC HP P/N 1820-1971						
		3776B-18A	JUN84	WN	ALL SER.PREF REPL RAM HP P/N 1818-1718						
		3776B-19	JAN85	WN	SER 2437U00642 & BELOW.FREQ UPDATE INST FOR DATA MEAS OPT 001						
			SEP84	WN	ALL SER.TEST PROG DATA CARTRIDGE(HP P/N 03776-10001)MOD						

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
3776B		3776B-20	SEP84	WN	SER 2437U00642 & BELOW.OPT 001 OLD ASSY 03776-6008 COMPAT WITH FIRWARE REV 2431						

UG-IN

3776B-13B
3776B-14
CONT'D
CONT'D
3776B-15B
3776B-16
3776B-17
3776B-18A
3776B-19

JUN84 WN ALL SER. RETROFIT INSTRU FOR DATA MEAS OPT 001
APR84 WN SER 2408U00279 & BELOW, EXCLUD 00274, 00272, 00269, 00268, 00265, 00264, & 00262. SOFTWARE MOD TO PREV OCCASIONAL "ERROR 36" BEING DISPLAY WHILE PERF BACK-TO-BACK ENVELOPE DELAY DIST MEAS MONITOR MODE
AUG84 WA SER 2423U00462 & BELOW. SOFTWARE MOD CORREC BUG THAT PREV RUN OF CONT'N PULSE
JUN84 WA ALL SER. PREF REPL ANALOG SWCH IC HP P/N 1820-1971
JUN84 WN ALL SER. PREF REPL RAM HP P/N 1818-1718
JAN85 WN SER 2437U00642 & BELOW. FREQ UPDATE INST FOR DATA MEAS CPT 001
SEP84 WN ALL SER. TEST PROG DATA CARTRIDGE (HP P/N 03776-10001) MOD

412A

412A/412AR

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ON ***

UG-IN

6/77.MOD

/83/88/

& INSERT

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NUMBERFICHE
DATEFICHE PART
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3776B

3776B-20
3776B-21A
3776B-22
3776B-23
3776B-24

SEP84 WN SER 2437U00642 & BELOW. OPT 001 OLD ASSY 03776-6008 COMPAT WITH FIRWARE REV 2431
APR85 WN ALL SER. TEST PROG DATA CARTRIDGE (HP P/N 03776-10001) MOD-UPDATE TO REV C
FEB85 WA SER 2437U00743 & BELOW. MOD TO PREV MEAS INACCUR IN TIMESLOT 24
FEB85 WN SER 2437U00642 TO 00801. PREF REPL FOR PROMS A14U13 & A14U23
JUL85 WN ALL SER. TEST PROG DATA CARTRIDGE (HP P/N 03776-10001) MOD-UPDATE TO REV D

3777A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3777A-1B
3777A-2A
3777A-4
3777A-6

MAR78 03777-90000 AUG83 03777-90025 8L 01 14 03 SEE TITLE PAGE FOR OPTIONS COVERED
MAY83 03777-90000
OCT84
JAN84 WN SER 2309U00745 & BELOW. PREF REPL OF RELAYS
JUL83 WN ALL SER. PREF REPL FOR ASSY A4, A5, A5, A7, A8
AUG82 WA SER 2147U & BELOW. MOD TO ELIM RACE HAZ IN HP-IB HANDSHKNG ROUTINE
JUL84 WN ALL SER. PREF REPL MAINS XFMR A9T1 & VLOTG REGLTR A9U1

3779A

OPER MAN
MAN CHANGE
SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
3779A-1
CONT'D
3779A-2
3779A-3
3779A-4
3779A-6
3779A-7
3779A-9
3779A-10
3779A-11B
3779A-12
CONT'D
3779A-13-S
CONT'D
3779A-14
3779A-15A
CONT'D
3779A-16
CONT'D
3779A-17
3779A-18A
3779A-19
3779A-20
3779A-21
3779A-22A
CONT'D
3779A-23C
3779A-24
3779A-25
3779A-26A
3779A-27
3779A-28
3779A-29
3779A-30
3779A-31
3779A-32A

JAN79 03779-90001 MAY82 03779-90026 8L 01 14 03
MAY81 03779-90001
SEP81 03779-90009 DEC81 03779-90034 8L 01 14 09 SEE TITLE PAGE FOR OPTION INFORMATION
NOV81 03779-90009
OCT85
MAR79 WA SER 1832U-00101 TO 1832U-00105, 1840U-00106 TO 1840U-00109 INCL, 1903U-00111 TO 1903U-00115 & 1903U-00120. REC MOD TO IMPR PERF
MAR79 WA SER 1840U-00110 & BELOW. REC PROC TO IMPR PERF
MAR79 WA SER 1840U-00110 & BELOW. REC MOD TO TRANSMITTER QD FILTER
APR79 WA SER 1904U-00135 & BELOW. REC MOD TO DIGITAL RECEIVER CLOCK EXTRACTION CIRC
MAY79 WO SER 1909U-00145 & BELOW. REC ADJ TO 12HZ & 40HZ SELECTIVE FILTERS
MAY79 WA SER 1909U-00145 & BELOW. REC MOD TO IMPR PERF OF SELF-TEST
JUL79 WA SER 1915U00150 & BELOW. MOD TO IMPROVE PERF.
AUG79 WA SER 1919U00155 & BELOW. MOD TO PREVENT BREAKDOWN OF A32U2 AT SWITCH-ON
FEB84 WN ALL SER. MOD TO PREV POSS FAILURE OF A9U3
NOV79 WA SER 1919U00160 & BELOW. MOD TO A1 ASSY TO ALLOW NKT SOLID STATE SWITCHES TO BE RUN OFF +15V RATHER THAN -12V SUPPLIES
OCT81 WO SER 1936U00185 & BELOW. PREF REPL OF RELAYS A1K1-K6; A8K1; A9K1-K5, K7, K9, K10; A31K1 AND A37K1-K4
NOV79 WN SER 1936U00185 & BELOW. PREF REPL FOR ASSYS A1, A8, A9, A31, A35, A37
MAR80 WA SER 1919U00175 & BELOW. MOD TO PREVENT INTERMITTENT SINGLE CHANNEL INTERFACE OP WHILE RUNNING A-D MEASMTS
FEB80 WA SER 1919U00180 & BELOW. MOD TO PREVENT INTERMITTENT GVL MEASMTS WHEN RUNNING WET LINE SYSTEMS
MAR80 WA SER 1936U00180 & BELOW. MOD TO PREVENT ERRONEOUS RESULT DURING LOW LEVEL GAIN MEASMTS
AUG80 WA SER 2003U00205 & BELOW. MOD TO IMPR REL OF POWER SUPPLY
AUG80 WO ALL SER. PREF REPL OF ENCODER IC 1820-1851
JAN81 WA SER 2003U00205 & BELOW. PROTECT AGAINST LOOP HOLDING CURRENTS
JAN81 WA SER 2028U00225 & BELOW. MOD TO PREVENT POSS CORRUPTION OF NVM AT SWITCH ON
DEC82 WA SER 2005U & BELOW. MOD TO SFTWARE TO REMOVE VAR BUGS & ADD DIAG SFTWARE PKG SUPERCEDS -5 & -8
OCT84 WN ALL SER. HOW TO BUILD SERV ACCESSX FOR PERF TESTS
AUG82 WN ALL SER. PREF REPL OF ROMS ON A23
NOV82 WA ALL SER. PREF REPL OF SHIFT REGISTER A15U27
JUL83 WO ALL SER. INTERMIT INCORREC OPER OF FRAME ALIGN MEAS
MAR83 WA ALL SER. MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP
JUL83 WO ALL SER. PREF REPL OF HORIZ SWEEP SYNC DRIVE IC A32 U2
JAN84 WN ALL SER. IMPR SPECIF FOR SERV ACCESS (A1, SA2, SA3, SA4)
SEP83 WN SLL SER. MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY
FEB84 WN ALL SER. PROT FUSE LOCATIONS
SEP84 WN ALL SER. LIST OF 3779C/D ASSY REPL FOR OBS 3779A/B ASSY

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3779A-34

JUL84 WN ALL SER. REC REAR PAN SUB-ASSY REPL
AUG84 WN ALL SER. REC REPL FOR A32 BD CRT DRIVE ASSY

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3779A-25
3779A-26A
3779A-27
3779A-28
3779A-29
3779A-30
3779A-31
3779A-32A

NOV82 WA ALL SER.PREF REPL OF SHIFT REGISTER A15U27
JUL83 WO ALL SER.INTERMIT INCORREC OPER OF FRAME ALIGN MEAS
MAR83 WA ALL SER.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP
JUL83 WO ALL SER.PREF REPL OF HORIZ SWEEP SYNC DRIVE IC A32 U2
JAN84 WN ALL SER.IMPR SPECIF FOR SERV ACCESS (A1,SA2,SA3,SA4)
SEP83 WN SLL SER.MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY
FEB84 WN ALL SER.PROT FUSE LOCATIONS
SEP84 WN ALL SER.LIST OF 3779C/D ASSY REPL FOR OBS 3779A/B ASSY

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3779A 3779A-33 JUL84 WN ALL SER.REC REAR PAN SUB-ASSY REPL
3779A-34 AUG84 WN ALL SER.REC REPL FOR A32 BD CRT DRIVE ASSY
3779A-36 FEB85 WN ALL SER.PREF REPL FOR TRANS Q4 & Q8 ON THE A29 ASSY
3779A-39 MAR85 WN ALL SER.INSTRU FOR RETROFIT THE 3779C/D A8 ASSY TO 3779A
3779A-45 JUL85 WN ALL SER.A22 ASSY;3779C/D BD RETROFIT
3779A-47 JUL85 WN ALL SER.I/O PROB WITH EPSON PRINTERS & THE PMA

3779A-001 OPER MAN JAN79 03779-90001 MAY82 03779-90026 8L 01 14 03
MAN CHANGE MAY81 03779-90001

3779A-002 OPER MAN JAN79 03779-90001 MAY82 03779-90026 8L 01 14 03
MAN CHANGE MAY81 03779-90001

3779B OPER MAN JAN79 03779-90002 AUG80 03779-90027* 8L 01 14 03 USE 3779B FICHE 03779-90033
OPER MAN JUL81 03779-90008 MAY82 03779-90033 8L 01 14 03
MAN CHANGE SEP81 03779-90008
SERV MAN SEP81 03779-90009 DEC81 03779-90034 8L 01 14 09 SEE TITLE PAGE FOR OPTION INFORMATION
MAN CHANGE NOV81 03779-90009
SERV NOTE SET BELOW OCT85

3779B-1 MAR79 WA SER 1832U-00101 TO 1832U-00105, 1840U-00106 TO 1840U-00110 INCL, & 1903U-00111 TO
CONT'D 1903U-00116.REC MOD TO IMPR PERF
3779B-2 MAR79 WA SER 1840U-00110 & BELOW.REC MOD TO IMPR PERF
3779B-3 MAR79 WA SER 1840U-00110 & BELOW.REC MOD TO IMPR PERF
3779B-4 APR79 WA SER 1904U-00135 & BELOW.REC MOD TO IMPR PERF
3779B-6 APR79 WO SER 1909U-00145 & BELOW.REC MOD TO THE 12HZ & 40HZ SELECTIVE FILTERS
3779B-7 MAY79 WA SER 1909U00145 & BELOW.MOD TO IMPROVE PERF DURING BASIC ANALOG SELF-TEST.
3779B-9 JUL79 WA SER 1915U00155 & BELOW.MOD TO IMPROVE PERF.
3779B-10 AUG79 WA SER 1919U00175 & BELOW.MOD TO PREVENT BREAKDOWN OF A32U2 AT SWITCH-ON
3779B-11B FEB84 WN ALL SER.MOD TO PREV POSS FAILURE OF A9U3
3779B-12 NOV79 WA SER 1919U00160 & BELOW.MOD TO A1 ASSY TO ALLOW NKT SOLID STATE SWITCHES TO BE RUN
CONT'D OFF +15V RATHER THAN -12V SUPPLIES
3779B-13A OCT81 WO SER 1941U00220 & BELOW,PREF REPL OF RELAYS A1K1-K6;A8K1;A9K1-K5,K7,K9,K10;A31K1 AND
CONT'D A37K1-K4
3779B-14 NOV79 WN SER 1941U00220 & BELOW.PREF REPL FOR ASSYS A1,A8,A9,A31,A35,A37
3779B-15A MAR80 WA SER 1933U00206 & BELOW.MOD TO PREVENT SINGLE CHANNEL INTERFACE OP WHILE RUNNING A-D
CONT'D MEASMTS
3779B-16 FEB80 WA SER 1941U00216 & BELOW.MOD TO PREVENT INTERMITTENT GVL MEASMTS WHEN RUNNING WET LINE
CONT'D SYSTEMS
3779B-17 MAR80 WA SER 1941U00225 & BELOW.MOD TO PREVENT ERRONEOUS RESULT DURING LOW LEVEL GAIN MEASMTS
3779B-18 APR80 WN ALL SER.FIELD INSTALL OF 3779B OPT 002 INTO 3779B OPT 001 INSTRUMENTS
3779B-19A AUG80 WA SER 2005U00265 & BELOW.MOD TO IMPR REL OF POWER SUPPLY
3779B-20 AUG80 WO ALL SER.PREF REPL OF ENCODER IC 1820-1851
3779B-21 JAN81 WA SER 2015U00270 & BELOW.PROTECT AGAINST LOOP HOLDING CURRENTS
3779B-22 JAN81 WA SER 2024U00300 & BELOW.MOD TO PREVENT POSS CORRUPTION OF NVM AT SWITCH ON
3779B-23A DEC82 WA SER 2005U & BELOW.MOD TO SFTWARE TO REMOVE VAR BUGS & ADD DIAG SFTWARE PKG
CONT'D SUPERCEDES -5 & -8
3779B-24 OCT81 WN INSTRUCTNS OF THE INSTALL OF 3779B OPT H04
3779B-25C OCT84 WN ALL SER.HOW TO BUILD SERV ACCESSY FOR PERF TESTS
3779B-26 AUG82 WN ALL SER.PREF REPL OF ROMS ON A23
3779B-27 NOV82 WA ALL SER.PREF REPL OF SHIFT REGISTER A15U27
3779B-28 MAR83 WA ALL SER.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP
3779B-29 JUL83 WO ALL SER.PREF REPL OF HORIZ SWEEP SYNC DRIVE IC A32 U2
3779B-30 FEB84 WN ALL SER.IMPR SPEC FOR SERV ACCESSY (SA1,SA2,SA3,SA4)
3779B-31 SEP83 WN SLL SER.MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY
3779B-32 FEB84 WN ALL SER.PROT FUSE LOCATIONS

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3779B 3779B-33A SEP84 WN ALL SER.LIST OF 3779C/D ASSY REPL FOR OBS 3779A/B ASSY
3779B-34 JUL84 WN ALL SER.REC REAR PAN SUB-ASSY REPL
3779B-35 AUG84 WN ALL SER.REC REPL FOR A32 BD CRT DRIVE ASSY

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3779B-26
3779B-27
3779B-28
3779B-29
3779B-30
3779B-31
3779B-32

AUG82 WN ALL SER.PREF REPL OF ROMS ON A23
NOV82 WA ALL SER.PREF REPL OF SHIFT REGISTER A15U27
MAR83 WA ALL SER.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP
JUL83 WO ALL SER.PREF REPL OF HORIZ SWEEP SYNC DRIVE IC A32 U2
FEB84 WN ALL SER.IMPR SPEC FOR SERV ACCESSY (SA1,SA2,SA3,SA4)
SEP83 WN SLL SER.MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY
FEB84 WN ALL SER.PROT FUSE LOCATIONS

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***													
3779B		3779B-33A 3779B-34 3779B-35 3779B-37 3779B-38 3779B-39 3779B-42 3779B-48 3779B-50	SEP84 WN ALL SER.LIST OF 3779C/D ASSY REPL FOR OBS 3779A/B ASSY JUL84 WN ALL SER.REC REAR PAN SUB-ASSY REPL AUG84 WN ALL SER.REC REPL FOR A32 BD CRT DRIVE ASSY NOV84 WN ALL SER.RETROFIT OF OPT H10/103 FEB85 WN ALL SER.PREF REPL FOR TRANS Q4 & Q8 ON THE A29 ASSY FEB85 WN ALL SER.PREF ROM U31 & U41 REPL ON THE A24 ASSY APR85 WN ALL SER.INSTRU FOR RETROFIT THE 3779C/D A8 ASSY TO 3779B JUL85 WN ALL SER.A22 ASSY;3779C/D BD RETROFIT JUL85 WN ALL SER.I/O PROB WITH EPSON PRINTERS & THE PMA										
3779B-001		OPER MAN OPER MAN MAN CHANGE	JAN79 03779-90002 JUL81 03779-90008 SEP81 03779-90008	AUG80 03779-90027* MAY82 03779-90033	8L 01 14 03 8L 01 14 03	USE 3779B-001 FICHE 03779-90033							
3779B-002		SERV MAN SUPP OPER MAN SUPP	JUN80 03779-90003 JUN80 03779-90004	DEC82 03779-90028 DEC82 03779-90029	8L 01 14 01 8L 01 14 01								
3779C		SERV MAN MAN CHANGE SERV NOTE SET BELOW 3779C-1A 3779C-2 3779C-3B 3779C-4 3779C-5C 3779C-6 3779C-7 3779C-8 3779C-9 3779C-10 3779C-11 3779C-12B 3779C-13A 3779C-14 3779C-15 3779C-16A 3779C-17 3779C-18 CONT'D 3779C-19 3779C-20 3779C-21 3779C-22A 3779C-24 CONT'D 3779C-25	APR83 03779-90014 APR83 03779-90014 OCT85 OCT83 WN ALL SER.MOD TO IMPR COMPAT BET 3779C & 3779A FOR SINGLE CHNL LOOPING JUL82 WN SER 2144U & BELOW.MOD TO IMPR LOW LEVEL GAIN MEAS OCT83 WA SER 2215U & BELOW.PROTECT RELAYS AT SWITCH-ON JUL82 WA SER 2215U00193 & BELOW.INCORREC PWR RATING ON TERMIAT RESISTORS OCT84 WN ALL SER.HOW TO BUILD SERV ACCESSY FOR PERF TESTS OCT82 WA SER 2234U & BELOW.REC UPDATE OF VERIF SOFTWARE MAR83 WA SER 2235U00259 TO 2235U00273.MOD TO IMPR MNTG SECURIT OF MAINS AUXILIARY TRANS MAR83 WA SER 2138U00125 & BELOW.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP NOV83 WN SER 2235U00289 & BELOW.PERF REPL FOR EPOMS U35,U36 & U66 ON A13 BD APR83 WN SER 2235U00249 & BELOW.MOD TO CURE "RINGING" ON PWR SUPPLY FEB84 WN ALL SER.PROT FUSE LOCATIONS JUL84 WN SER 2235U00308 & BELOW.PREF REPL A1,A9,A15,A16,A18,A31,A33,A37 & REAR PAN ASSY FEB84 WN ALL SER(OPT 003).CONVER OF DIGITAL CLOCK 750 HMS UNBALANCED OUTPUT FEB84 WN ALL SER.IMPR SPEC FOR SERV ACCESSY (SA1,SA2,SA3,SA4) JAN84 WN SER 2308U00309 & BELOW.MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY SEP84 WN SER 2308U00403 & BELOW.PREF REPL A1,A8,A9,A31,A37 JUL84 WN SER 2235U00308 & BELOW.REC REAR PAN SUB-ASSY REPL AUG84 WA SER 2308U00308 TO 2308U00319.NOTIF OF INCORREC VALUE FOR TX OUTPUT TERMINATION RESIS R17 ON ASSY A9 NOV84 WO SER 2413U00438 & BELOW.A35 ASSY-HEAT PROT FROM R1 MAINS THERMISTOR SEP84 WN SER 2413U00404 TO 2413U00438.PERF REPL FOR ASSY A1,A8,&A9 JAN85 WN SER 309 TO 403.IMPR RETURN LOSS MEAS PERF FEB85 WN SER 00458 & BELOW.PREF REPL FOR ASSY A23,A24,A25,& A26 MAY85 WA SER 2447U00459 THRU 2447U00508.MOD TO PREV DISPLAY INACCUR DURING A-A OUTBAND SPURIOUS MEAS JUL85 WN ALL SER.I/O PROB WITH EPSON PRINTERS & THE PMA										
3779D		OPER MAN SERV MAN MAN CHANGE SERV NOTE SET BELOW 3779D-1A 3779D-2 3779D-3B 3779D-4	MAY82 03779-90007 APR83 03779-90014 APR83 03779-90014 OCT85 OCT83 WN ALL SER.MOD TO IMPR COMPAT BET 3779D & 3779B FOR SINGEL CHNL LOOPING JUL82 WA SER 2146U & BELOW.MOD TO IMPR LOW LEVEL GAIN MEAS OCT83 WA 2213U & BELOW.PROTEC OF RELAY AT SWTCH-ON JUL82 WN SER 2213U00193 & BELOW.INCORREC PWR RATING ON TERMINATION RESISTORS	AUG82 03779-90032 JUL83 03779-90039	8L 01 14 03 8L 01 14 09								

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3779D		3779D-5C 3779D-6 3779D-7 3779D-8 3779D-9	OCT84 WN ALL SER.HOW TO BUILD SERV ACCESSY FOR PERF TESTS OCT82 WA SER 2234U & BELOW.REC UPDATE OF VERIF SOFTWARE MAR83 WA SER 2235U00204 TO 2235U00208.MOD TO IMPR MNTG SECURIT OF MAINS AUXILIARY TRANS MAR83 WA SER 2142U00125 & BELOW.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP NOV83 WN SER 2235U00224 & BELOW.PREF REPL FOR EPOMS U35,U36 & U66 ON A13 BD								

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MAN CHANGE
SERV NOTE SET BELOW
3779D-1A
3779D-2
3779D-3B
3779D-4

APR83 03779-90014
OCT85
OCT83 WN ALL SER.MOD TO IMPR COMPAT BET 3779D & 3779B FOR SINGEL CHNL LOOPING
JUL82 WA SER 2146U & BELOW.MOD TO IMPR LOW LEVEL GAIN MEAS
OCT83 WA 2213U & BELOW.PROTEC OF RELAY AT SWTCH-ON
JUL82 WN SER 2213U00193 & BELOW.INCORREC PWR RATING ON TERMINATION RESISTORS

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***
3779D 3779D-5C OCT84 WN ALL SER.HOW TO BUILD SERV ACCESSY FOR PERF TESTS
3779D-6 OCT82 WA SER 2234U & BELOW.REC UPDATE OF VERIF SOFTWARE
3779D-7 MAR83 WA SER 2235U00204 TO 2235U00208.MOD TO IMPR MNTG SECURIT OF MAINS AUXLIARY TRANS
3779D-8 MAR83 WA SER 2142U00125 & BELOW.MOD TO CURE A4 FILTER INSTABILITY AT LOW TEMP
3779D-9 NOV83 WN SER 2235U00224 & BELOW.PERF REPL FOR EPOMS U35,U36 & U66 ON A13 BD
3779D-10 APR83 WN SER 2235U00199 & BELOW.MOD TO CURE "RINGING" ON PWR SUPPLY
3779D-11 FEB84 WN ALL SER.PROT FUSE LOCATIONS
3779D-12B JUL84 WN SER 2235U00243 & BELOW.PREF REPL A1,A9,A15,A16,A18,A31,A33,A37 & REAR PAN ASSY
3779D-13 JUN84 WN SER 2308U00333 & BELOW.MOD ALLOW CAS TEST WHEN SINGLE CHNL MODE
3779D-14A FEB84 WN ALL SER.CONV OF DIGITAL CLOCK TO 750HMS UNBALANC OUTPUT
3779D-15 FEB84 WN ALL SER.IMPR SPEC FOR SERV ACCESSY (SA1,SA2,SA3,SA4)
3779D-16 JAN84 WN SER 2308U00224 & BELOW.MOD TO IMPROV OUT-OF-BAND NOISE IMMUNITY
3779D-17A SEP84 WN SER 2308U00333 & BELOW.PREF REPL A1,A9,A15,A16,A18,A31,A33,A37 & REAR PAN ASSY
3779D-18 JUN84 WN ALL SER.MOD SINGLE CHL I/O LOOP LINK
3779D-19 OCT84 WO SER 2436U00403 & BELOW.A9,K11 RELAY FAIL WHEN MEAS RETURN LOSS ON COMPLEX IMPED WET LINES
CONT'D
3779D-20 JUL84 WN SER 2235U00243 & BELOW.REC REAR PAN SUB-ASSY REPL
3779D-21 AUG84 WA SER 2308U00244 TO 2308U00319.NOTIF OF INCORREC VALUE FOR TX OUTPUT TERMINATION RESIS R17 ON ASSY A9
CONT'D
3779D-22 NOV84 WO SER 2414U00403 & BELOW.A35 ASSY-HEAT PROT FROM R1 MAINS THERMISTOR
3779D-23 SEP84 WN SER 2414U00334 TO 2414U00403.PERF REPL FOR ASSY A1,A8,&A9
3779D-24 NOV84 WN ALL SER.RETROFIT OF OPT H10/103
3779D-25 JAN85 WN SER 244 TO 333.IMPR RETURN LOSS MEAS PERF
3779D-26A FEB85 WN SER 00438 & BELOW.PREF REPL FOR ASSY A23,A24,A25,& A26
3779D-28 MAY85 WA SER 2446U00439 THRU 2447U00514.MOD TO PREV DISPLAY INACCUR DURING A-A OUTBAND
CONT'D
3779D-29 JUL85 WN ALL SER.I/O PROB WITH EPSON PRINTERS & THE PMA
3779D-001 OPER MAN MAY82 03779-90007 AUG82 03779-90032 8L 01 14 03
3779D-002 OPER MAN MAY82 03779-90007 AUG82 03779-90032 8L 01 14 03
3779D-003 OPER MAN MAY82 03779-90007 AUG82 03779-90032 8L 01 14 03
3780A OPER MAN JUL75 03780-90000 DEC75 03780-90025* 8L 01 14 01 USE 3780A FICHE 03780-90036
OPER & SERV MAN JUN77 03780-90008 AUG80 03780-90033* 8L 01 14 08 USE 3780A FICHE 03780-90048
OPER MAN MAR77 03780-90011 JUL77 03780-90036* 8L 01 14 01 USE 3780A FICHE 03780-90046
OPER MAN JUL79 03780-90021 OCT79 03780-90046* 8L 01 14 01 USE 3780A FICHE 03780-90049
OPER & SERV MAN MAR81 03780-90023 MAY82 03780-90048 8L 01 14 09 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE FEB82 03780-90023
OPER MAN MAR83 03780-90024 JUL83 03780-90049 8L 01 14 01
SERV NOTE SET BELOW OCT85
3780A-17B FEB85 WN ALL SER.RETROFIT KIT INSTRU OPT 100
3780A-18B JUN85 WN SER 1804U00523 & BELOW.RETROFIT KIT TO INCORPORATE EQUALISER & ATTEN IN EXISTING OPT 100
CONT'D
3780A-27A JAN84 WN ALL SER.RETROFIT OF OPT 101
3780A-28 JAN84 WO ALL SER.MOD TO PREV PWR SUPPLY FAILURE
3780A-29 JUN84 WN OPT 100:SER 1804U00523 & ABOVE;OPT 101;SER 1915U00976 & ABOVE;ALSO OPT 103 OR 104. MOD TO PREV SYNC LOSS IN BINARY MODE
CONT'D
37780A-30 JAN85 WO OPT 100 & 101.PREF REPL FOR A13Q5 & A13Q6
3780A-31 MAY85 WA SER 2224U02486 TO 2224U03100 & 2449U03101 TO 2449U03165.PREF REPL TO PREV FAIL OF A37 SYSTEMATIC ERROR DETECTOR & A38 ERROR COUNTER/CONTROL LOGIC BD
CONT'D
3780B SERV NOTE SET BELOW APR84

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***
3781A OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
SERV MAN NOV83 03781-90017 APR84 03781-90042 8L 01 14 04
SERV NOTE SET BELOW JUL83
3781A-1 NOV81 WO ALL SER PREF REPL FOR A25R1
3781A-2 FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3781A-3 FEB83 WN ALL SER.PREV MAIN TO MINIMISE POS OF INTERMITTENT FAILURE

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SERV NOTE SET BELOW

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3781A OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
SERV MAN NOV83 03781-90017 APR84 03781-90042 8L 01 14 04
SERV NOTE SET BELOW JUL83
3781A-1 NOV81 WO ALL SER PREF REPL FOR A25R1
3781A-2 FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3781A-3 FEB83 WN ALL SER.PREV MAIN TO MINIMISE POS OF INTERMITTENT FAILURE

3781A-001 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3781A-002 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3781A-061 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3781A-062 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01

3781B OPER MAN JUL80 03781-90001 MAY82 03781-90026 8L 01 14 01 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE JUL81 03781-90001
SERV MAN JUL83 03781-90003 APR84 03781-90028 8L 01 14 05
SERV NOTE SET BELOW JUL84
3781B-1 JAN81 WO SER 2049U & BELOW.MOD TO PREV POSS PWR SUPPLY FAILURE AT HI TEMP
3781B-2 JAN81 WO SER 2049U & BELOW.REC REPL OF 15V RECT DIODES A30CR26-29
3781B-3 AUG81 WN ALL SER REPL FOR AUXILLIARY XFMR
3781B-4 NOV81 WA SER 2049U00201 & BELOW.REC OF PWR DISSIPTN OF A25R1
3781B-5 FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3781B-6 JAN84 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED
3781B-7 FEB84 WO ALL SER.INCORREC DATA GENERAT ON DSK-1 & DSX-1C RATES

3782A OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
SERV MAN MAR84 03782-90013 DEC84 03782-90038 8L 01 14 04
SERV NOTE SET BELOW JUL85
3782A-2 FEB83 WN ALL SER.PREV MAIN TO MINIMISE POS OF INTERMITTENT FAILURE
3782A-3 JAN84 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED
3782A-4 JAN84 WO ALL SER.MOD TO PREV PWR SUPPLY FAILURE
3782A-5 JAN85 WO ALL SER.PREF REPL FOR A32Q12 & A32Q13

3782A-001 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3782A-002 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3782A-061 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01
3782A-062 OPER MAN APR81 03781-90010 OCT81 03781-90035 8L 01 14 01

3782B OPER MAN JUL80 03781-90001 MAY82 03781-90026 8L 01 14 01 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE JUL81 03781-90001
SERV MAN FEB83 03782-90003 JUL83 03782-90028 8L 01 14 05
MAN CHANGE APR83 03782-90003
SERV NOTE SET BELOW JUL84
3782B-1 JAN81 WO SER 2049U & BELOW.MOD TO PREVENT POSS PWR SUPPLY AT HI TEMP
3782B-2A SEP83 WO SER 2218U00266 & BELOW.PREF REPL OF A32 ASSY
3782B-3 AUG81 WN ALL SER REPL FOR AUXILLIARY XFMR
3782B-4 NOV81 WA SER 2123U00201 & BELOW.REC OF PWR DISSIPTN OF A25R1
3782B-5 FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3782B-6 OCT83 WN SER 2310U00396 & BELOW.PREF REPL OF REFEF SEQUENC GEN A35 ASSY
3782B-7 JAN84 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED

11/08/85 MODEL NUMBER O C

425A 425A
425A
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4260A OPER
OPER
OPER
OPER
MAN
SERV
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4260
4260
4260

4261A OPER
OPER
OPER
OPER
OPER
MAN

4262A OPER
OPER
OPER
OPER
MAN
MAN
SERV
4262
4262
CON
4262

4265A OPER
MAN

4265B OPER
OPER
MAN

427A OPER
OPER
MAN
SERV
427A
427A
427A
427A
427A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3782B 3782B-8 FEB84 WN SER 2341U00491 & BELOW.MOD TO RETROFIT "DSK-3 MON" FACILITY

3783A SERV MAN AUG80 03783-90000 MAY82 03783-90025 8L 01 14 03
MAN CHANGE FEB81 03783-90000
OPER MAN JAN80 03783-90001 APR80 03783-90026 8L 01 14 01
SERV NOTE SET BELOW OCT82
3783A-1 JUL82 WA SER 1947U00151 & BELOW.POS INSTRU MALFUNC IN NOISY ENVIRON WHEN OPT 002 IS FITTED
3783A-2

11/08/85 MODEL NUMBER O C

427A 427A-

4270A OPER
OPER
MAN C
MAN C
MAN C

3782B-5
3782B-6
3782B-7

FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
OCT83 WN SER 2310U00396 & BELOW.PREF REPL OF REFEF SEQUENC GEN A35 ASSY
JAN84 WO ALL SER.WHERE THE PROTECT FUSES ARE LOCATED

427A-
427A-
427A-

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3782B 3782B-8 FEB84 WN SER 2341U00491 & BELOW.MOD TO RETROFIT "DSK-3 MON" FACILITY

3783A SERV MAN AUG80 03783-90000 MAY82 03783-90025 8L 01 14 03
MAN CHANGE FEB81 03783-90000
OPER MAN JAN80 03783-90001 APR80 03783-90026 8L 01 14 01
SERV NOTE SET BELOW OCT82
3783A-1 JUL82 WA SER 1947U00151 & BELOW.POS INSTRU MALFUNC IN NOISY ENVIRON WHEN OPT 002 IS FITTED
3783A-2 JUL82 WN ALL SER.PREF REPL FOR RECHARGBL BATTERY

3783A-001 SERV MAN AUG80 03783-90000 MAY82 03783-90025 8L 01 14 03
MAN CHANGE FEB81 03783-90000
OPER MAN JAN80 03783-90001 APR80 03783-90026 8L 01 14 01

3785A OPER MAN NOV81 03785-90004 MAR82 03785-90029 8L 01 14 01 SEE TITLE PAGE FOR OPTIONS LISTED
SERV MAN DEC82 03785-90010 MAR83 03785-90035 8L 01 14 06
SERV NOTE SET BELOW JUL85
3785A-1 APR82 WA SER 2126U00116 & BELOW.MOD TO LIMIT BIAS ON CAPACITOR A36C1,C2,(&C3 FOR OPT001)
3785A-2 SEP82 WO SER 2226U00210 & BELOW.IMPR IN SYNTH BUFFER LOADING
3785A-3 NOV82 WO SER 2208U00131 & BELOW.MOD TO PREV PWR SUPPLY OSCIL WHEN A30C29,C30 ARE REPLACED
3785A-4 NOV82 WO SER 2226U00229 & BELOW.MOD TO PREV POS LATCH-UP OF CLOCK TRANSITION DETECTOR
3785A-5 NOV82 WA SER 2226U00229 & BELOW.MOD TO PREV 34MHZ VCO INSTABILITY
3785A-6 DEC82 WA SER 2226U00237 & BELOW.PREV POS DAMAGE TO A35U27
3785A-7 JAN83 WO ALL SER. PREF REPL FOR A30 Q9 & Q10
3785A-8 FEB83 WG ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3785A-9 JAN84 WO ALL SER. PREF REPL FOR A35U2
3785A-10 MAY84 WO SER 2244U & BELOW.RED OF DISPLAY RESIDUAL JITTER IN THRU DATA MODE
3785A-11 APR84 WN ALL SER.MOD TO PREV PROCESSOR RAM FAILURES
3785A-12 APR84 WO ALL SER.PROC FUSE LOCATIONS
3785A-13 OCT84 WO SER 2402U & BELOW.REC RECESSOR RAM SOCKETS
3785A-14 FEB85 WN ALL SER.RETROFIT INSTRU FOR OPT 062
3785A-15 FEB85 WN SER 2409U & BELOW.PREF REPL FOR ROTORY PULSE GEN
3785A-16 FEB85 WN ALL SER.PREF REPL FOR A11U33

3785B SERV MAN FEB83 03785-90011 JUL83 03785-90036 8L 01 14 06
SERV NOTE SET BELOW OCT85
3785B-1 APR82 WA SER 2131U00111 & BELOW.MOD TO LIMIT BIAS ON CAPACITOR A36C1,C2,C3
3785B-2 SEP82 WO SER 2216U00130 & BELOW.IMPR IN SYNTH BUFFER LOADING
3785B-3 NOV82 WO SER 2212U00121 & BELOW.MOD TO PREV PWR SUPPLY OSCIL WHEN A30C29,C30 ARE REPLACED
3785B-4 NOV82 WA SER 2228U00145 & BELOW.MOD TO PREV DS3 RECEIVER VCO INSTABILITY
3785B-5 DEC82 WA SER 2228U00156 & BELOW.PREV OF POS DAMAGE TO A35U27
3785B-6 JAN83 WO ALL SER.PREF REPL FOR A30 Q9 & Q10
3785B-7 FEB83 WO ALL SER.REC MOD TO PREV SUBSEQUENT PWR SUPPLY FAILURE
3785B-8 JAN84 WO ALL SER. PREF REPL FOR A35U2
3785B-9 MAY84 WO SER 2248U & BELOW.RED OF DISPLAY RESIDUAL JITTER IN THRU DATA MODE
3785B-10 APR84 WN ALL SER.REC REPL PROCESSOR RAMS TO PREVENT FAIL
3785B-11 APR84 WO ALL SER.PROC FUSE LOCATIONS
3785B-12 OCT84 WG SER 2402U & BELOW.REC RECESSOR RAM SOCKETS
3785B-13 FEB85 WN ALL SER.RETROFIT INSTRU FOR OPT 062
3785B-14 APR85 WN SER 2408U & BELOW.REC REPL FOR ROTORY PULSE GENERATOR

3790A SERV MAN JUN75 03790-90000 SEP77 03790-90025 8L 01 14 03
MAN CHANGE AUG77 03790-90000
SYSTEM SERV MAN JAN75 03790-90001 SEP77 03790-90026 8L 01 14 02
MAN CHANGE DEC76 03790-90001
OPER INSTR JAN00 03790-90002 JUL75 03790-90027 8L 01 14 01

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427A 427A-6
4270A OPER 8
OPER 8
MAN CH
MAN CH
SERV M
4270A-
4270A-
4270A-
4270A-
4270A-
4270A-
4270A-
4271A OPER 8
OPER 8
SERV M
4271A-
4271A-
4271A-
4271A-
4271A-005 OPER M
4271B OPER 8
OPER 8
OPER 8
OPER 8
MAN CH
SERV M
4271A-
4271B-101 OPER M
MAN CA
4272A OPER 8
MAN CH
4273A OPER 8
OPER 8
4273A-006 OPER 8
OPER 8
4274A OPER M
OPER M
OPER M
MAN CH
MAN SU
SERV M
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SERV M

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3790A SERV NOTE SET BELOW JUL80
3790A-1 MAR76 WA SER BELOW 1450U00111.MOD TO IMPR GROUP DELAY RESPONSE AT 83A KHZ
3790A-2 MAR76 WA SER BELOW 1450U00116.FIXED OSCIL MODULATION SENSITIVITY ADJUSTMENTS
3790A-3 MAR76 WA SER BELOW 1450U00116.IMPR IF FREQ STB
3790A-4A JAN78 WO ALL SER.PREF REPL FOR A15CR23
3790A-5 NOV77 WO ALL SER.PREF REPL FOR A9C6
3790A-6 NOV77 WO ALL SER.PREF REPL FOR A1MC1,A2MC1,A8MC1,A11MC1,A11MC2,A11MC3,A12MC1,A12MC2 & A13MC8
3790A-7 JAN78 WA SER BFLOW 1741U00156.UNDERRATED RES IN PWR SUPPLY ASSY A15R33
3790A-8 JAN78 WN SER BELOW 1625U00121.REMOVAL OF +15V & -15V RECT FM A15 PC BD TO REDUCE TEMP ON BD

11/08/85 MODEL NUMBER O C L
4274A MAN CHA
SERV NO
4274A-1
CONTD
4274A-2
CONTD
4274A-3
4274A-4
CONTD

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3790A SERV NOTE SET BELOW JUL80
 3790A-1 MAR76 WA SER BELOW 1450U00111.MOD TO IMPR GROUP DELAY RESPONSE AT 83A KHZ
 3790A-2 MAR76 WA SER BELOW 1450U00116.FIXED OSCIL MODULATION SENSITIVITY ADJUSTMENTS
 3790A-3 MAR76 WA SER BELOW 1450U00116.IMP R IF FREQ STB
 3790A-4A JAN78 WO ALL SER.PREF REPL FOR A15CR23
 3790A-5 NOV77 WO ALL SER.PREF REPL FOR A9C6
 3790A-6 NOV77 WO ALL SER.PREF REPL FOR A1MC1,A2MC1,A8MC1,A11MC1,A11MC2,A11MC3,A12MC1,A12MC2 & A13MC8
 3790A-7 JAN78 WA SER BELOW 1741U00156.UNDERRATED RES IN PWR SUPPLY ASSY A15R33
 3790A-8 JAN78 WN SER BELOW 1625U00121.REMOVAL OF +15V & -15V RECT FM A15 PC BD TO REDUCE TEMP ON BD
 3790A-9 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)

3791A SYSTEM SERV MAN JAN75 03790-90001 SEP77 03790-90026 8L 01 14 02
 MAN CHANGE DEC76 03790-90001
 OPER INSTR JAN00 03790-90002 JUL75 03790-90027 8L 01 14 01
 SERV MAN NOV74 03791-90000 SEP77 03791-90025 8L 01 14 03
 MAN CHANGE MAR76 03791-90000
 SERV NOTE SET BELOW JUL80
 3791A-1 MAR76 WA SER BELOW 1450U00111.MOD TO IMPR EXT BB INPUT FREQUENCY RESPONSE
 3791A-2 MAR76 WO ALL SER.PREF REPL FOR PHASE SENSI DETECTOR ASSEMBLY
 3791A-3 APR76 WO ALL SER.MOD TO STOP NOISE & OSCIL
 3791A-4 APR76 WO SER BELOW 1450U00111.PREF REPL A7R4
 3791A-5 NOV77 WO ALL SER.PREF REPL FOR A1MC1
 3791A-6 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)

3791B SERV MAN JUL79 03791-90001 AUG83 03791-90026 8L 01 14 02 SEE TITLE PAGE FOR LIST OF OPTIONS
 MAN CHANGE MAY83 03791-90001
 SYST SERV MAN SEP79 03711-90001 JAN80 03711-90026 8L 01 14 02
 SERV NOTE SET BELOW APR83
 3791B-1 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
 3791B-2 OCT82 WN ALL SER.RETROFIT PROC FOR OPT 210,211,212 & 221
 3791B-3 OCT82 WO SER 1910U00341 & BELOW.PREF REPL FOR AMPLF A8MC1

3792A SYSTEM SERV MAN JAN75 03790-90001 SEP77 03790-90026 8L 01 14 02
 MAN CHANGE DEC76 03790-90001
 OPER INSTR JAN00 03790-90002 JUL75 03790-90027 8L 01 14 01
 SERV MAN OCT75 03792-90000 NOV78 03792-90025 8L 01 14 05
 MAN CHANGE MAY78 03792-90000
 SERV NOTE SET BELOW JUL80
 3792A-1 MAR76 WO SER BELOW 1450U00116.PREF REPL FOR A6C4 & A6C8
 3792A-2 AUG76 WO ALL SER.PREF REPL FOR A23MC2
 3792A-3 NOV77 WO ALL SER.PREF REPL FOR A24C20
 3792A-4 NOV77 WO ALL SER.PREF REPL FOR A2MC17,A2MC19,A2MC25,A2MC26,A2MC28,A3MC3,A4MC1,A4MC5,A22MC1,
 CONTD A23MC1,A24MC1,A24MC2,A24MC3,A25MC7,A25MC8 & A25MC9
 3792A-5 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)

3793A SYSTEM SERV MAN JAN75 03790-90001 SEP77 03790-90026 8L 01 14 02
 MAN CHANGE DEC76 03790-90001
 OPER INSTR JAN00 03790-90002 JUL75 03790-90027 8L 01 14 01
 SERV MAN NOV74 03793-90000 JUL75 03793-90025 8L 01 14 02
 MAN CHANGE MAY75 03793-90000
 SERV NOTE SET BELOW JUL83
 3793A-1 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)

3793B SERV MAN JUL79 03793-90001 AUG83 03793-90026 8L 01 14 02 SEE TITLE PAGE FOR LIST OF OPTIONS
 MAN CHANGE MAY83 03793-90001

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MAN CHAN
SERV NO
4274A-1
CONTD
4274A-2
CONTD
4274A-3
4274A-4
CONTD
4274A-5
4274A-6
4274A-7
4274A-8
4274A-9
4274A-10
CONTD
4274A-11
4274A-12
4274A-13
CONTD
4274A-14
4274A-15
4274A-16
4274A-19
4274A-25
4274A-26

4275A

OPER MAN
OPER MAN
OPER MAN
OPER MAN
MAN CHAN
SERV MAN
SERV MAN
MAN CHAN
SERV NO
4275A-1
CONTD
4275A-2
4275A-3
4275A-4
4275A-5
4275A-6
CONTD
4275A-7
4275A-8
4275A-9
CONTD
4275A-10
4275A-11
4275A-12
4275A-13
4275A-17
4275A-22

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3793B SYST SERV MAN SEP79 03711-90001 JAN80 03711-90026 8L 01 14 02
 SERV NOTE SET BELOW JAN84
 3793B-1 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071)
 3793B-2 OCT81 WO SER BELOW 00256 PREF REPL FOR A3E1 12.140 MHZ TCXO
 3793B-3 OCT82 WN ALL SER.RETROFIT PROC FOR OPT 210,211,212 & 221
 3793B-4 FEB83 WC SER 2309U00446 & BELOW.MOD TO PREV FOSS DEGRADATION OF AM TO PM PERF
 3793B-5 OCT83 WO SER 2309U00456 & BELOW.MOD TO REDUCE RIPPLE ON DIFF PHASE DISPLAY AT LOW SIG LEVEL

3800A OPER MAN JAN00 03800-90007 JUL74 03800-90057 01 09 02
 SERV MAN JAN00 03800-90013 JUL74 03800-90063 01 09 03

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4275A

4275A-23

4276A

OPER & SE
MAN CHAN

4277A

OPER & SE
MAN CHAN
MAN SUPPL
SERV NOTE
4277A-6

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

3793B	SYST SERV MAN SERV NOTE SET BELOW 3793B-1 3793B-2 3793B-3 3793B-4 3793B-5	SEP79 03711-90001 MAR80 WO ALL SER.PREF REPL FOR NPN TRANS (1854-0071) OCT81 WO SER BELOW 00256 PREF REPL FOR A3E1 12.140 MHZ TCXO OCT82 WN ALL SER.REYROFIT PROC FOR OPT 210,211,212 & 221 FEB83 WC SER 2309U00446 & BELOW.MOD TO PREV POSS DEGRADATION OF AM TO PM PERF OCT83 WO SER 2309U00456 & BELOW.MOD TO REDUCE RIPPLE ON DIFF PHASE DISPLAY AT LOW SIG LEVEL	JAN80 03711-90026 JAN84	8L 01 14 02			
3800A	OPER MAN SERV MAN	JAN00 03800-90007 JAN00 03800-90013	JUL74 03800-90057 JUL74 03800-90063	01 09 02 01 09 03			
3800B	OPER MAN OPER MAN SERV MAN	JAN00 03800-90004 JAN77 03800-90005 JAN00 03800-90013	JUL74 03800-90051* SEP83 03800-90055 JUL74 03800-90063	01 09 02 8L 01 09 02 01 09 03	USE 3800B FICHE 03800-90055		
3801A	OPER MAN SERV MAN	JAN00 03800-90007 JAN00 03800-90013	JUL74 03800-90057 JUL74 03800-90063	01 09 02 01 09 03			
3801A/B	SERV NOTE SET BELOW 3801A/B-1 3801A/B-2 3801A/B-3 3801A/B-4 3801A/B-5A 3801A/B-6 3801A/B-7 3801A/B-8 3801A/B-9 3801A/B10	- NOT AVAILABLE - NOT AVAILABLE - NOT AVAILABLE - NOT AVAILABLE MAR74 WO SER 1149A01201 & UP.REC REPL FOR 1420-0092 LEAD-GEL BATTERIES OCT72 WO ALL SER.REC REPL OF PWR UNIT METERS - NOT AVAILABLE - NOT AVAILABLE - NOT AVAILABLE AUG76 WO SER BELOW 1304A04550.REC FSE CLP REPL	MAY78				
3801B	OPER MAN OPER MAN SERV MAN	JAN00 03800-90004 JAN77 03800-90005 JAN00 03800-90013	JUL74 03800-90051* SEP83 03800-90055 JUL74 03800-90063	01 09 02 8L 01 09 02 01 09 03	USE 3801B FICHE 03800-90055		
3805A	OPER MAN OPER MAN	JAN00 03805-90001 JAN00 03805-90002	JUL74 03805-90051* SEP83 03805-90052	01 09 02 8L 01 09 01	USE 3805A FICHE 03805-90052		
3810A	SERV MAN	MAR80 03810-90011	APR85 03810-90061	8L 01 09 06			
382A	OPER NOTE OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 382A-1C 382A-2F	AUG72 00382-90024 JUL80 00382-90029 MAY84 00382-90037 NOV68 CALIB + ALIGN PROCEDURE JUN69 WN ALL SER.RESISTIVE CARDS REPL PROC	SEP77 00382-90025* AUG80 00382-90031* JUL84 00382-90038 MAY78	8L 01 04 01 8L 01 04 01 8L 01 04 01	USE 382A FICHE 00382-90031 USE 382A FICHE 00382-90038		
3820A	SERV MAN MAN CHANGE	NOV79 03820-90010 JAN00 03820-90010	APR85 03820-90060	8L 01 09 05			
393A	OPER NOTE MAN CHANGE	DEC69 00393-90005 MAR76 00393-90005	SEP77 00393-90006	8L 01 04 01			
394A	OPER NOTE OPER & SERV MAN SERV NOTE SET BELOW	OCT66 00394-90001 MAY81 00394-90005	JAN71 00394-90005* JUN81 00394-90006 MAY78	01 04 01 8L 01 04 01	USE 394A FICHE 00394-90006		

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4275A	4275A-23
4276A	OPER & SER MAN CHANGE
4277A	OPER & SER MAN CHANGE MAN SUPPL SERV NOTE 4277A-6
4277A-H03	OPER & SER
4277A-H04	OPER & SER
428A	OPER & SER SERV NOTE 428A-1 428A-2C
428B	OPER & SER OPER & SER MAN CHANGE SERV NOTE 428B-1 428B-2
4280A	OPER & SER OPER & SER MAN CHANGE OPER NOTE MAN SUPP SERV NOTE 4280A-7
4282A	OPER & SER OPER & SER SERV NOTE 4282A-6
430A	OPER & SER
430B	OPER & SER SERV NOTE 430B-1 430B-2B
430C	OPER & SER MAN CHANGE SERV NOTE 430C-2B
4301A	OPER & SER MAN CHANGE

394A

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394A		394A-1	FEB70	WN SER 1834 + UP.ABSOLUTE ACCURACY SPECIFICATION CORRECTION						
3950		SERV NOTE SET BELOW			MAY78					
		3950A/B-1	FEB68	PREVENTIVE MAINTENANCE OF CONTACTS						
		3950/3955-1	APR67	RECOMMENDED NOISE FILTER						
		3950/3955-2	MAR68	REC TEST EQUIP.SERV TOOLS.& ACCESSORI						
		3950A/B-2	MAR70	INTERCHNG OF 3540 DIRECT RECRD & 3543 DIRECT REPRODUCE AMPLFR & THEIR EQUALZR INSERT						
		3950-3	MAR71	WO REPL LEADS FOR 2 MHZ ANALOG RECORDER						
		3950-4/3955-6	JUN71	WN SER BELOW 1106.MOD TO STOP DESTRUCTION OF RECORDED DATA						
		3950-5/3955-8	JAN72	WN SER BELOW 1040A.NEW MICROPHONE ASSY						
3950A		OPER & SERV MAN	APR68	03950-90012	JAN82	03950-90067	8L	01	11	02
3950A-011		MAN SUPP	NOV70	03950-90019	JAN82	03950-90069	8L	01	11	01
3950B		OPER & SERV MAN	APR68	03950-90012	JAN82	03950-90062	8L	01	11	02
3950B-011		MAN SUPP	NOV70	03950-90019	JAN82	03950-90069	8L	01	11	01
3955		SERV NOTE SET BELOW			MAY78					
		3950/3955-1	APR67	RECOMMENDED NOISE FILTER						
		3950/3955-2	MAR68	REC TEST EQUIP.SERV TOOLS.& ACCESSORI						
		3950-4/3955-6	JUN71	WN SER BELCW 1106.MOD TO STOP DESTRUCTION OF RECORDED DATA						
		3950-5/3955-8	JAN72	WN SER BELOW 1040A.NEW MICROPHONE ASSY						
		3955A/B/C/D-1	FEB68							
		9955-3	MAR71	WN INSTAL OF ED1 RECORD DISABLE SWITCH						
		3955-4	MAR71	WA SER BELOW 1104A-03463.MOD TO INHIBIT EXCESSIVE 120 HZ NOISE						
		3955-5	APR71	WN REPL PRTS ON PRIMARY CAPSTAN ASSY, & COMPLETE REPL OF SECONDARY CAPSTAN ASSEMBLY						
3960		SERV NOTE SET BELOW			OCT78					
		3960-1	DEC69	WA CORRECTION OF MISWIRING						
		3960-2	DEC69	WA SER 00101 TO 00120 & 137.BIAS TRAP INDUCTOR RELOCATION						
		3960-3A	AUG70	WA SER 00101 TO 00120 & 00122/25/26/37/38/39/41.CORREC OF MISWIRING						
		3960-4	FEB70	WO SER 941-.MOD FOR IMPR FM RECRD PERF						
		3960-5	MAR70	WA SER 941-.MOD TO ELIM FALSE END-OF-TAPE SIGNAL						
		3960-6A	JAN71	WA MOD TO IMPR REL OF A15 PWR SUPY CARD						
		3960-7	NOV70	WA SER BELOW 1030A00500.REC REPL FOR TRANSISTOR Q1						
		3960-8	JAN71	WA SER BELOW 1040A0595 & -00597/599/601.REC A15 POWER SUPPLY RESISTOR CHANGE						
		3960-9B	JUN73	WN ALL SER.RECOMMENDED SPARE PARTS						
		3960-10A	JUL73	WN ALL SER.OPERATOR MAINTENANCE ROUTINE						
		3960-11A	JUL73	WN ALL SER.PREV MAINTENANCE ROUTINE						
		3960-12A	MAR78	WN SER BELOW 1006.INSTAL OF NEW BRAKES						
		3960-13	-	NOT AVAILABLE						
		3960-14A	OCT73	WN ALL SER.PROC FOR REPL OF CAPSTAN MOTOR TACHOMETER LAMP ASSEMBLY						
		3960-15A	OCT73	WN ALL SER.REPL OF CAPSTAN MOTOR ASSY						
		3960-16	MAR72	WN SER 922A & UP.MOD 10 UP PWR OUTPUT						
		3960-17A	-	SER 1332A & UP.IMPR REEL COVER HINGES NOT AVAILABLE						
		3960-18	OCT73	WN ALL SER.OPTIONAL REWIRING OF EOT SWITCHES TO SERIES						
		3960-19	OCT73	WN SER 1330A & UP.IMPR BRAKE ASC PROC						
		3960-20	OCT73	WN SER 1344A & UP.NEW CONFIGURATION CROSS REFERENCE.SUPER 3960-13A						
		3960A-21	OCT73	WO ALL SER.ACCESS LTR ADJ PROC						
		3960A-22	NOV73	WN ALL SER.RCRD/REFMOD HEAD ADJ PROC						
		3960A-23B	MAY75	WO SER BELOW 1344A.IMPR LO-SPEED FLUTTER PERFORMANCE						
		3960A-24	OCT74	WO SER 1422A.OPT 050 (REMOTE CNTR) WIRING ERROR						
		3960A-25	APR75	WO SER BELOW 1512A.SERVO AMP RELIB IMPR						

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3960-8	JAN71 WA SER BELOW 1040A0595 & -00597/599/601.REC A15 POWER SUPPLY RESISTOR CHANGE
3960-9B	JUN73 WN ALL SER.RECOMMENDED SPARE PARTS
3960-10A	JUL73 WN ALL SER.OPERATOR MAINTENANCE ROUTINE
3960-11A	JUL73 WN ALL SER.PREV MAINTENANCE ROUTINE
3960-12A	MAR78 WN SER BELOW 1006.INSTAL OF NEW BRAKES
3960-13	- NOT AVAILABLE
3960-14A	OCT73 WN ALL SER.PROC FOR REPL OF CAPSTAN MOTOR TACHOMETER LAMP ASSEMBLY
3960-15A	OCT73 WN ALL SER.REPL OF CAPSTAN MOTOR ASSY
3960-16	MAR72 WN SER 922A & UP.MOD 10 UP PWR OUTPUT
3960-17A	- SER 1332A & UP.IMPR REEL COVER HINGES NOT AVAILABLE
3960-18	OCT73 WN ALL SER.OPTIONAL REWIRING OF EOT SWITCHES TO SERIES
3960-19	OCT73 WN SER 1330A & UP.IMPR BRAKE ASC PROC
3960-20	OCT73 WN SER 1344A & UP.NEW CONFIBURATION CROSS REFERENCE.SUPER 3960-13A
3960A-21	OCT73 WO ALL SER.ACCESS 1" ADJ PROC
3960A-22	NOV73 WN ALL SER.RCRD/REF MOD HEAD ADJ PROC
3960A-23B	MAY75 WO SER BELOW 1344A.IMPR LO-SPEED FLUTTER PERFORMANCE
3960A-24	OCT74 WO SER 1422A.OPT 050 (REMOTE CNTR) WIRING ERROR
3960A-25	APR75 WO SER BELOW 1512A.SERVO AMP RELIB IMPR

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 182
*** DESCRIPTION ***											
3960		3960A-26	FEB76	WO	SER BELOW 1605A.PROC FOR ADD DIODES FOR SERVO AMPLFR PROTECTION						
		3960A-27	NOV76	WN	SER 1418A & UP.NEW CONFIGURATN TABLE						
3964A		OPER & SERV MAN SERV NOTE SET BELOW	FEB84	O3964-90007		MAY84	O3964-90057	8L	01	11	07
		3964A-1/8864A-1	JUL76	WO	SER BELOW 1620A.MOD TO IMPR FM TAPE SERVO						
		3964A-2/8864A-2	JUL76	WO	SER BELOW 1642A.1.5A LINE FUSE FOR 220/240 VAC						
		3964A-3/8864A-3	JUL76	WO	SER BELOW 1625A.MOD OF +5V (A) REGLTR						
		3964A-4/8864A-4 CONT'D	OCT76	WA	SER 1620A00101 TO 1620A00114,1625A00116,-0118 TO -00131,-00133 TO -00137,-00139, -00140,1629A00142 TO -00148,-00151,& -00154,MOD TO REWIRE RECRD/REPRODUCE HEADS						
		3964A-5/8864A-5/ 3968A-5/8868A-5	OCT76	WN	SER BELOW 1629A.IMPR REEL MOTORS						
		3964A-6A/8864A-6A/ 3968A-7A/8868A-7A	AUG85	WN	SER BELOW 1702A.IMPR PWR SWITCH						
		3964A-7/8864A-7/ 3968A-8/8868A-8	APR77	WO	ALL SER.CALIB OUTPUT SHORTS						
		3964A-8/8864A-8/ 3968A-9/8868-9	APR77	WN	ALL SER.FET LEAD CONFIGURATION						
		3964A-9/8864A-9	AUG77	WN	ALL SER.OPERATOR INFORMATION						
		3964A-10	AUG77	WO	SER 1714A00316-1714A00323.SIGNAL TO NOISE IMPRMT						
		3964A-11/3968A-11	JAN78	WN	ALL SER.TROUBLESHOOTING TABLES						
		3964A-12	NOV77	WN	SER 1741A & UP.NEW ADJ PROC FOR OPT 021 RECORDERS						
		3964-13	JAN78	WN	SER BELOW 1637A.FM BACKDATING SUPP						
		3964A-14	MAY78	WO	SER 1715A THRU 1801A.MOD TO INCREASE A24F6 FUSE TO 2.5 AMPS						
		3964A-15	JUN78	WN	ALL SER.PROC FOR ELIM OF NOISE IN COMBINED FLUTTER COMP & TAPE SERVO MODE						
		3964A-16A	JAN79	WO	SER 1715A THRU 1814A.REC MOD OF A24 F1 & F2 TO 5 AMPS						
		3964A-17A	MAR83	WN	SER 2314A & ABOVE.NEW TYPE REC INSTRUMENTATION RECORDING TAPE						
		3964A-18/3968A-18	MAR80	WN	ALL SER.NEW ADJ PROC FOR FM DATA ASSY'S.FOR 3964A P/N 03964-60506						
		3964A-19	OCT82	WN	ALL SER.MISLABEL FM DATA PCA'S						
		3964A-20A	DEC83	WN	ALL SER.FM DATA PCA P/N 03964-60506 OR 03964-60508 CALIB INSTRUC						
3964A-009		OPER & SERV MAN	NOV77	O3964-90009		DEC77	O3964-90059	8L	01	11	01
3964A-010		OPER & SERV MAN	NOV77	O3964-90009		DEC77	O3964-90059	8L	01	11	01
3964A-021		OPER & SERV MAN MAN CHANGE	JUN78	O3964-90008		AUG79	O3964-90058	8L	01	11	02
			APR79	O3964-90008							
3968A		OPER & SERV MAN SERV NOTE SET BELOW	FEB84	O3964-90007		MAY84	O3964-90057	8L	01	11	07
		3968A-1A/8868-1A	JUL76	WO	SER BELOW 1622A.MOD TO IMPR FM PERF						
		3968A-2/8868A-2	MAY76	WO	SER BELOW 1617A.MOD TO MODE & SPEED CONTROL						
		3968A-3/8868A-3	JUL76	WO	SER BELOW 1624A.REC 1.5A LINE FUSE FOR 220/240 VAC						
		3968A-4/8868A-4	JUL76	WO	SER BELOW 1626A.MOD TO +5V (A) REGLTR						
		3964A-5/8864A-5/ 3968A-5/8868A-5	OCT76	WN	SER BELOW 1629A.IMPR REEL MOTORS						
		3968A-6/8868A-6	NOV76	WO	SER BELOW 1637A.CORREC OF ERRATIC FM TAPE SERVO						
		3964A-6A/8864A-6A/ 3968A-7A/8868A-7A	AUG85	WN	SER BELOW 1702A.IMPR PWR SWITCH						
		3964A-7/8864A-7/ 3968A-8/8868A-8	APR77	WO	ALL SER.CALIBRATOR OUTPUT SHORTS						
		3964A-8/8864A-8/ 3968A-9/8868A-9	APR77	WN	ALL SER.FET LEAD CONFIGURATION						
		3968A-10/8868A-10	UG77W	N	ALL SER.OPERATOR INFORMATION						
		3964A-11/3968A-11	JAN78	WN	ALL SER.TROUBLESHOOTING TABLES						

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3968A	OPER & SERV MAN	FEB84 03964-90007	MAY84 03964-90057	8L 01 11 07
	SERV NOTE SET BELOW		OCT85	
3968A-1A/8868-1A		JUL76 WO SER BELOW 1622A.MOD TO IMPR FM PERF		
3968A-2/8868A-2		MAY76 WO SER BELOW 1617A.MOD TO MODE & SPEED CONTROL		
3968A-3/8868A-3		JUL76 WO SER BELOW 1624A.REC 1.5A LINE FUSE FOR 220/240 VAC		
3968A-4/8868A-4		JUL76 WO SER BELOW 1626A.MOD TO +5V (A) REGLTR		
3964A-5/8864A-5/		OCT76 WN SER BELOW 1629A.IMPR REEL MOTORS		
3968A-5/8868A-5				
3968A-6/8868A-6		NOV76 WO SER BELOW 1637A.CORREC OF ERRATIC FM TAPE SERVO		
3964A-6A/8864A-6A/		AUG85 WN SER BELOW 1702A.IMPR PWR SWITCH		
3968A-7A/8868A-7A				
3964A-7/8864A-7/		APR77 WO ALL SER.CALIBRATOR OUTPUT SHORTS		
3968A-8/8868A-8				
3964A-8/8864A-8/		APR77 WN ALL SER.FET LEAD CONFIGURATION		
3968A-9/8868A-9				
3968A-10/8868A-10 A		UG77W N ALL SER.OPERATOR INFORMATION		
3964A-11/3968A-11		JAN78 WN ALL SER.TROUBLESHOOTING TABLES		

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*** DESCRIPTION ***											
3968A		3968A-12	NOV77	WN SER 1714A	& UP.OPT 21 ADJ						
		3968A-13/8868A-11	JAN78	WN SER BELOW 1637A	FM BACKDATING SUPP						
		3968A-14/8868A-12	MAY78	WO SER 1715A THRU 1748A	MOD TO INCREASE A24F6 FUSE TO 2.5 AMPS						
		3968A-15/8868A-13	JUN78	WN ALL SER.REC PROC FOR ELIM OF NOISE IN COMB FLUTTER COMP & TAPE SERVO MODE							
		3968A-16A/8868A-14A	JAN79	WO SER 1715A THRU 1814A	REC MOD OF A24 F1 & F2 TO 5 AMPS						
		3968A-17A	MAR83	WN SER 2314A & ABOVE	NEW TYPE REC INSTRUMENTATION RECORDING TAPE						
		3964A-18/3968A-18	MAR80	WN ALL SER.NEW ADJ PROC FOR FM DATA ASSY'S	FOR 3968A P/N 03964-60508						
		3968A-19	AUG80	WA SER 2009A01192-01195,01202,01205	CORR FOR POSS HP-IB POWER SOCKET MISWIRE						
		3968A-20	MAR82	WN ALL SER.PROPER PROC FOR HEAD MOUNTING SCREWS							
		3968A-20A	DEC82	WN ALL SER.MISLABEL FM DATA PCA'S							
		3968A-22	NOV83	WN ALL SER.FM DATA PCA P/N 03964-60506 OR 03964-60508	CALIB INSTRUC						
3968A-009		OPER & SERV MAN	NOV77	03964-90009	DEC77 03964-90059	8L 01 11 01					
3968A-010		OPER & SERV MAN	NOV77	03964-90009	DEC77 03964-90059	8L 01 11 01					
3968A-021		OPER & SERV MAN MAN CHANGE	JUN78	03964-90008	AUG79 03964-90058	8L 01 11 02					
4B		OPER & MAINT MAN	JAN64	00004-91332	NOV71 00004-91382	01 11 01					
4S		OPER & SERV MAN	JAN00	00004-91331	NOV71 00004-91381	01 11 01					
40HD					FEB85	8L 01 09 02					
400A		SERV NOTE SET BELOW			JAN82						
		400A-2A			VOLTMETER SWTCH ASSY REPLACEMENT						
400B		OPER & SERV MAN MAN CHANGE	JUN62	400B-910	AUG77 400B-960	8L 01 09 01					
400D		OPER & SERV MAN MAN CHANGE	AUG69	00400-90007	FEB85 00400-90057	8L 01 09 02					
		SERV NOTE SET BELOW			JAN82						
		400D-1C	JAN68	WN SER BELOW 1430	TILT STAND INSTALL						
		400D-2E	DEC73	WN ALL SER.TEST,ADJ + CERTIFICTN METHODS							
		400D-3D	OCT64	WN SER 14770 + DOWN	FEEDBACK CIRCUIT REPLACEMENT PARTS						
		400D-4C			SER 17970 + DOWN.INPUT ATTEN MOD						
		400D-5			CONV 400D,400DR METERS TO 400H/HR,400L/LR METERS						
		400D-6			V1,V2 REPLACEMENT TUBES						
		400D-8			CONV 400D TO 400H OR 400L.SUPER 400D7						
		400D-9			SER ABOVE 017.RANGE SWTCH RESIST SET INSTALLATION						
		400D/H/L-2-63	SEP65	400D,SER 310-45571 TO 310-46371;400H/L,SER 313-22177 TO 313-22977	MOD TO CORRECT FUSE WIRING						
		CONT'D									
		400D/H/L-10C	DEC69	WN SIMPLIFIED CALIB PROC							
		400D/H/L-11B	MAY70	WO REPL RANGE SWTCH ASSEMBLY							
		400D/H/L-12	JAN72	WO V1,V2 REPLACEMENT TUBES							
		400D/H/L-13	NOV69	WN PROC FOR REPL 6AX5 RECTIFIER							
		400D/H/L-14	MAR74	WO 400D SER 1247A59465 + DOWN.400A SER 1248A38061 + DOWN.400L ALL SER.FLATTENING F RESP							
400D-H02		OPER & SERV MAN MAN CHANGE	AUG69	00400-90007	JAN73 00400-90057	01 09 02					
400E		OPER & SERV MAN OPER & SERV MAN	OCT75	00400-90019	APR78 00400-90066*	8L 01 09 02					USE 400E FICHE 00400-90067
			JAN80	00400-90020	SEP84 00400-90067	8L 01 09 02					

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400D-6	-	V1,V2 REPLACEMENT TUBES							
400D-8	-	CONV 400D TO 400H OR 400L.SUPER 400D7							
400D-9	-	SER ABOVE 017.RANGE SWTCH RESIST SET INSTALLATION							
400D/H/L-2-63	SEP65	400D,SER 310-45571 TO 310-46371;400H/L,SER 313-22177 TO 313-22977.MOD TO CORRECT FUSE WIRING							
400D/H/L-10C	DEC69	WN SIMPLIFIED CALIB PROC							
400D/H/L-11B	MAY70	WO REPL RANGE SWTCH ASSEMBLY							
400D/H/L-12	JAN72	WO V1,V2 REPLACEMENT TUBES							
400D/H/L-13	NOV69	WN PROC FOR REPL 6AX5 RECTIFIER							
400D/H/L-14	MAR74	WO 400D SER 1247A59465 + DOWN.400A SER 1248A38061 + DOWN.400L ALL SER.FLATTENING F RESP							
400D-H02	OPER & SERV MAN MAN CHANGE	AUG69 00400-90007 DEC72 00400-90007	JAN73 00400-90057	01 09 02					
400E	OPER & SERV MAN OPER & SERV MAN	OCT75 00400-90019 JAN80 00400-90020	APR78 00400-90066* SEP84 00400-90067	8L 01 09 02 8L 01 09 02	USE 400E FICHE 00400-90067				

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 184
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
400E		MAN CHANGE	JUN84	00400-90020	SEP84	00400-90067	8L	01	09	02	
400E/EL		SERV NOTE SET BELOW			OCT83						
400E/EL-1		DEC71 WN PIN CONNECTOR COMPATIBILITY									
400E/EL-1		JUL83 WN SER 221A29268 & BELOW.PREF REPL FOR TRANS A2Q14,A2Q15,&A2Q16									
400E/EL-2B		OCT82 WN ALL SER REC PRTS RPL									
400E/EL-10		DEC74 WO 400E SER 1208A18153 + DOWN;400EL SER 1208A18053 + DOWN.IMPR INPUT ATTEN									
400E/EL-11		FEB80 WO SER 536-04253 & BELOW.REC INPUT ATTEN REPL									
400E-12		SEP81 WO SER 1208A27069 TO 1208A27405.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT									
400E/EL-12		SEP81 WO SER 1208A26214 TO 1208A27393.TRBLESHTNG PROC TO TEST. INTERMITTENT METER CIRCUIT									
400E/EL-13		OCT82 WN 400E:SER 1208A29593 & BELOW;400EL:SER 221A28523 & BELOW. IMPR OPT H99 LINE INDICATO									
400E-14		JUL83 WN SER 1208A29188 & BELOW.PREF REPL FOR TRANS A2Q14,A2Q15,&A2Q16									
400EL		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	OCT75 JAN80 JUN84	00400-90019 00400-90020 00400-90020	APR78 SEP84	00400-90066* 00400-90067	8L	01	09	02	USE 400EL FICHE 00400-90067
400F		OPER & SERV MAN MAN CHANGE MAN CHANGE GMBH	JUL74 NOV77 OCT76	00400-90016 00400-90016 00400-90016	FEB78	00400-90063	8L	01	09	02	
400F/FL		SERV NOTE SET BELOW			OCT83						
400F/FL-1B		APR70 WO SER 617-01375 + DOWN.REC REPL PARTS									
400F/FL-1A		APR70 WO SER 734-01526 + UP(400F/FL);SER 737-00456 + UP(400GL).A2 CIRCUIT BOARD CHANGE									
400F/FL-2		SEP66 SER 617-00400 + DOWN.REC REPL PARTS									
400F/FL-3		NOV66 SER 617-00400 + DOWN.A2R34 REC REPL PARTS									
400F/FL-4		FEB74 WN SER 734-01526 + DOWN.NOISE PROBLEMS									
400F/FL-5		OCT76 WO ALL SER.SELECT C28 FOR FREQ RESPONSE									
400F-6		SEP81 WO SER 0950A13388 TO 0950A13597.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT									
400FL-6		SEP81 WO SER 0950A13360 TO 0950A13657.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT									
400F/FL-7		OCT82 WN 400F:SER 0950A14305 & BELOW;400FL:SER 2213A14250 & BELOW.IMPR OPT H99 LINE INDICATOR									
400F/FL-8		JUN83 WN SER 734-01526 & ABOVE.PREF REPL FOR TRANS A2Q1									
400FL		OPER & SERV MAN MAN CHANGE MAN CHANGE GMBH	JUL74 NOV77 OCT76	00400-90016 00400-90016 00400-90016	FEB78	00400-90063	8L	01	09	02	
400GL		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	SEP69 NOV72 DEC77	00400-90008 00400-90012 00400-90012	NOV74 JAN78	00400-90058* 00400-90062	01 8L	09 01	02 01	USE 400GL FICHE 00400-90062	
		SERV NOTE SET BELOW			JAN83						
400GL-1		OCT76 WO ALL SER.SELECT C28 FOR FREQ RESPONSE									
400GL-2		SEP81 WO SER 0943A03686 TO 0943A03708.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT									
400GL-3		OCT82 WN SER 0943A03870 & BELOW;IMPR OPT H99 LINE INDICATOR									
400H		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 400H-1	AUG69 FEB73 -	00400-90007 00400-90007 SER 1338 THRU 1537.PWP SUPPLY CIR MOD	FEB85	00400-90057	8L	01	09	02	
400L		OPER & SERV MAN MAN CHANGE	AUG69 FEB73	00400-90007 00400-90007	FEB85	00400-90057	8L	01	09	02	
401		OPER & SERV MAN	JAN00	401-910	JAN75	00401-90050	01	09	01		

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	400GL-1 400GL-2 400GL-3		OCT76 WO ALL SER.SELECT C28 FOR FREQ RESPONSE SEP81 WO SER 0943A03686 TO 0943A03708.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT OCT82 WN SER 0943A03870 & BELOW;IMPR OPT H99 LINE INDICATOR							
400H	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 400H-1	AUG69 00400-90007 FEB73 00400-90007	FEB85 00400-90057	8L 01 09 02						
400L	OPER & SERV MAN MAN CHANGE	AUG69 00400-90007 FEB73 00400-90007	FEB85 00400-90057	8L 01 09 02						
401	OPER & SERV MAN	JAN00 401-910	JAN75 00401-90050	01 09 01						

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	11/08/85 MODEL NUMBER
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4022A		OPER & SERV MAN MAN CHANGE	OCT70 NOV70	04022-99000 04022-99000	SEP75	04022-99050	8L	01	33	02	438A
403A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 403A-1 403A-2 403A-3A/403B-4A 403A-4	NOV73 JUN74 DEC60 JAN61 JUL61	00403-90011 00403-90011 403A-501A 403A-501B 403A-501B	MAY75	00403-90061		01	09	02	43805M
					SEP82	403A-551A	8L	01	09	01	44002B
					APR82	403A-551B	8L	01	09	01	44003B
					JUL83						44012B
						SER 349-0001 + UP.REC RESIST REPL					44035A
					FEB67	SER 403-0400 + DOWN.NEW IMPR CARRYINGHANDLE					44035B
					APR74	WN ALL SER.METER CIRCUIT DIODE REPL					44035B
					MAR76	WN SER 0403A05435 + DOWN.RESISTOR REPL					44037A
403B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 403B-1 204B-2/208A-2/ 403B-2/419A-4/3420 B 403B-3 403A-3A/403B-4A 403B-6 CONT'D 403B-7A 403B-8 403B/BB-9C 403B/BB-10A 403B/BB-11 403B-12	OCT76 APR78	00403-90013 00403-90013	OCT78	00403-90063	8L	01	09	01	44037B
					JUL83						44037B
					SEP66	SER 523-05300 + DOWN.Q7 REC REPL					44055A
					JAN67	NICKEL CADMIUM BATTERY MAINTENANCE					44055B
					MAY71	WO SER 980-10636 TO 0986A11570.MOD TO ELIMINATE POWER LINE TRANSIENTS					44065A
					APR74	WN ALL SER.METER CIRCUIT DIODE REPL					44065B
					APR74	WN SER 523-05300 + DOWN.REPL GERMANIUM TRANSISTOR WITH SILICON TRANSTR + ASSOC RESIST. SUPERSEDES 403B-5					44090A
					MAY74	WA SAFETY.SER 0986A-16446 + DOWN.ELIM POSSIBLE SHORTING IN CASE GROUND					44090B
					FEB75	WN SER 0986A07651 + UP. RESISTOR REPL					44095A
					FEB83	WO SER BELOW 0986A20520.NEW BATTERY REPL					44095B
					JAN83	WA SER 0986A20521 TO 0986A21374.BATTERY CRGING CIR IMPROVEMENT					44195A
					APR78	WO SER BELOW 0986A21830.DIODE BRIDGE RPL					4425A
					SEP81	WO SER 0986A25253 TO 0986A25461.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT					4425B
404A		OPER & SERV MAN	JUN62	404A-910	AUG81	404A-950	8L	01	09	01	4426A
405A		SERV NOTE SET BELOW 405A-1			MAY78						4426B
						INSTALLATION OF 405A-95C ADAPTER					4436A
405BR		OPER & SERV MAN SERV NOTE SET BELOW 405BR-1 405BR-2 405AR-3C 405AR-4 405AR-5A 405AR-6 405AR-7 405AR-8 405AR-9A 405AR-10B	NOV65	00405-9002	AUG72	00405-9003		01	02	02	4437A
					MAY78						4437A
						SER 114-00200 + DOWN.K2 RELAY CIR MOD					4437A
					JUN66	ALL SER.REPLACEMENT FOR C5					4437A
						SER 003-00950 + DOWN.STEP SWTCH MOD					4437A
						SER 050-01850 + DOWN.MOD TO INCREASE RELIABILITY AND STABILITY					4437A
					NOV63	MOD TO IMPR PERFORMANCE					4437A
						PREFERRED PARTS REPLACEMENT					4437A
						MOD TO IMPROVE PERFORMANCE					4437A
						SER 006-01050 + DOWN.INPUT DIVID REPL					4437A
						ALL SER.PRINT COMMAND MODIFICATION					4437A
					MAY71	WO SER 402-02801 + DOWN.SWTCH ASSY REPL					4437A
4050A		OPER & SERV MAN	JAN73	04050-99001	MAY73	04050-99051		01	33	02	4437A
4061A		OPER & PROG MAN MAN CHANGE INSTALL MAN INSTALL MAN	SEP80 AUG81 JAN80 SEP80	04061-90101 04061-90101 04061-90200 04061-90201	SEP81	04061-90151	8L	01	33	04	4437A
					FEB80	04061-90250*	8L	01	33	01	4437A
					MAY81	04061-90251	8L	01	33	01	4437A
											4437A

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NS MODULE

SSIBLE REMOTE

405AR-5A - NOV63 MOD TO IMPR PERFORMANCE
 405AR-6 - - PREFERRED PARTS REPLACEMENT
 405AR-7 - - MOD TO IMPROVE PERFORMANCE
 405AR-8 - - SER 006-01050 + DOWN.INPUT DIVID REPL
 405AR-9A - - ALL SER.PRINT COMMAND MODIFICATION
 405AR-10B - MAY71 WO SER 402-02801 + DOWN.SWTCH ASSY REPL

4050A	OPER & SERV MAN	JAN73 04050-99001	MAY73 04050-99051	01 33 02	
4061A	OPER & PROG MAN	SEP80 04061-90101	SEP81 04061-90151	8L 01 33 04	
	MAN CHANGE	AUG81 04061-90101			
	INSTALL MAN	JAN80 04061-90200	FEB80 04061-90250*	8L 01 33 01	USE 4061A FICHE 04061-90251
	INSTALL MAN	SEP80 04061-90201	MAY81 04061-90251	8L 01 33 01	

4426A
 4426B
 4436A
 4437A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 186
*** DESCRIPTION ***											
4061A		SERV NOTE SET BELOW 4061A-1	JUN81	SER 2043J00154	OCT81	& ABOVE.SFTWARE REV FR VERSION E TO VERSION F					
4061A-026		OPER & PROG MAN INSTALL MAN	FEB83	04061-92020	JUN83	04061-92070	8L	01	33	04	
			FEB83	04061-92120	JUN83	04061-92170	8L	01	33	01	
4061A-036		OPER & PROG MAN MAN CHANGE INSTALL MAN	FEB83	04061-92030	APR85	04061-92080	8L	01	33	04	
			OCT84	04061-92030							
			FEB83	04061-92130	JUN83	04061-92180	8L	01	33	01	
4061A-045		OPER & PROG MAN MAN CHANGES INSTALL MAN	FEB83	04061-92040	NOV83	04061-92090	8L	01	33	04	
			SEP83	04061-92040							
			FEB83	04061-92140	JUN83	04061-92190	8L	01	33	01	
4061A-046		OPER & PROG MAN INSTALL MAN	FEB83	04061-92050	JUN83	04061-92100	8L	01	33	04	
			FEB83	04061-92150	JUN83	04061-92200	8L	01	33	01	
4062A		OPER & SERV MAN PROG MAN PRE-INST MAN SERV MAN SERV NOTE SET BELOW 4062A-5 4062A-6/4062B-1	NOV83	04062-90010	JAN84	04062-90060	8L	01	33	02	
			NOV83	04062-90020	JAN84	04062-90070	8L	01	33	05	
			MAY83	04062-90100	JUN83	04062-90150	8L	01	33	01	
			AUG84	04062-90500	NOV84	04062-90550	8L	01	33	04	
					OCT85						
			JAN85	WN ALL SER.INSTALL INFO FOR 16294A FIELD UPGRADE KIT							
			JUL85	WA 4062A:ALL SER;4062B:SER 2519J00155 & BELOW.REPL OF VFP TIMMER BD							
4062B		SERV NOTE SET BELOW 4062A-6/4062B-1	JUL85	WA 4062A:ALL SER;4062B:SER 2519J00155 & BELOW.REPL OF VFP TIMMER BD	OCT85						
4063A		SITE PREP MAN	MAY85	04063-90100	JUL85	04063-90150	8L	01	33	01	
4064A		SITE PREP MAN	MAY85	04064-90100	JUL85	04064-90150	8L	01	33	01	
4081A		OPER & SERV MAN SERV NOTE SET BELOW 4081A-1	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
					OCT78						
			NOV76	WA SER 1538J00101 THRU 1628J00130.MOD FOR INTERFACE WITH 9825A							
4081A-261		OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4081A-270		OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4081A-271		OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4081A-272		OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4081A-282		OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4083A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4083A-2	JAN80	04083-90000	FEB80	04083-90050*	8L	01	33	02	USE 4083A FICHE 04083-90051
			NOV80	04083-90001	JAN81	04083-90051*	8L	01	33	02	USE 4083A FICHE 04083-90052
			FEB81	04083-90002	JUN83	04083-90052	8L	01	33	02	
			JAN83	04083-90002							
					OCT81						
			JUN81	WA SER 1920J00171 & BELOW.MOD TO IMPR HP-IB CONTROL							
4085M		OPER MAN MAN CHANGE	JUL84	04085-90000	MAR85	04085-90050	8L	01	33	01	
			DEC84	04085-90000							

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4437A
 444A
 4440B

44401A
 44402A
 44403A

44404A
 44405A
 44413A

44416A
 44420A
 44420A-001

44421A-010
 44422A

44422A-020
 44423A

44425A
 44426A

44427A
 44427B

44428A
 44429A-120

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4081A-282	OPER & SERV MAN	MAR77	04081-90000	APR77	04081-90050	8L	01	33	03	
4083A	OPER & SERV MAN	JAN80	04083-90000	FEB80	04083-90050*	8L	01	33	02	USE 4083A FICHE 04083-90051
	OPER & SERV MAN	NOV80	04083-90001	JAN81	04083-90051*	8L	01	33	02	USE 4083A FICHE 04083-90052
	OPER & SERV MAN	FEB81	04083-90002	JUN83	04083-90052	8L	01	33	02	
	MAN CHANGE	JAN83	04083-90002							
	SERV NOTE SET BELOW			OCT81						
	4083A-2	JUN81	WA SER 1920J00171 & BELOW.	MOD TO IMPR HP-IB CONTROL						
4085M	OPER MAN	JUL84	04085-90000	MAR85	04085-90050	8L	01	33	01	
	MAN CHANGE	DEC84	04085-90000							

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44427A
44427B
44428A
44429A-120

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
41		OPER & SERV MAN	JAN69	00041-91363	DEC81	00041-91413	8L	01	11	01	
410A		OPER & SERV MAN	JAN00	410A-910	APR72	00410-960		01	09	01	
410B		OPER & SERV MAN SERV NOTE SET BELOW	OCT66	410B-902	APR73	410B-952		01	09	02	
		410B-1I	DEC72	WN PROBE ASSY REPL PARTS	JAN79						
		410B-2F	DEC72	WO AC PROBE DIODE REPLACEMENT							
		410B-3	-	INSTALL OF REPL SELECTOR SWITCH							
		410B-4	JUN64	REC REPL FOR V2 AND V3							
		410B-5	-	NOT AVAILABLE							
410C		OPER & SERV MAN	MAY74	00410-90007	AUG74	00410-90057		01	09	02	FOR SERIES 0982A & BELOW
		OPER & SERV MAN	MAR81	00410-90009	JUN82	00410-90059	8L	01	09	01	FOR SERIES 0982A & ABOVE
		MAN CHANGE	MAR82	00410-90009							
		SERV NOTE SET BELOW			JUL84						
		410C-1A	MAY66	SER 550 + DOWN.RECOMENDED INSTL OF MOD KIT.							
		410C-2B	JUL67	SER 550-07750 + DOWN.REC REPL DIODE							
		410C-3	NOV64	REPLACEMENT TRANSISTOR							
		410C-4	AUG71	AC VOLT MEAS PRECAUTIONS							
		410C-5	AUG71	VHF FIELD CALIB PROCEDURES							
		410C-6	MAY66	SER 550 + BELOW.MOD KIT REC INSTALL							
		410C-7	JUL66	SER BELOW 550-05300.A3C11 REC REPL							
		410C-8B	DEC72	WO AC PROBE DIODE REPL PROC							
		410C-9	FEB68	SER 550-08750 + DOWN.MOD ADDS CARRYING HANDLE							
		410C-10	JAN72	WO RANGE + FUNCTION SWTCH REPL PROCEDURE							
		410C-11	JAN72	WO PREF REPL CAPACITORS							
		410C-12	JAN72	WO SER BELOW 807-09953.AMPLF OUTPT NOISE REDUCE MOD							
		410C-13A	JUN75	WO SER BELOW 0982A16504.AC ZERO DRIFT.SUPER 410C-13							
		410C-14B-S	APR76	WN SAFETY.SER BELOW 0982A17729.SHOCK HAZARD REV.NOTE SER 0982A17729 + UP COMPLY WITH CURRENT SAFTY STANDARDS							
		410C-15	APR16	WN ALL SER.CALIB AFTER 11036A DIODE REPL							
		410C-16-S	MAY76	WN SAFETY.SER 0982A18008 + DOWN.SHOCK HAZARD REV							
		410C-17	MAY78	WN SER BELOW 0982A19038.REC REPL TRANS FOR A3Q1 & Q2							
		410C-18	JUN80	WN RECOM FOR PADDING RESISTOR A3R30							
		410C-19	SEP80	WN ALL SER.REC MOD TO A3R5 & A6R20 DURING SERV DUE TO VENDOR NON-AVAIL OF PARTS							
		410C-20	SEP81	WO SER 0982A22277 TO 0982A22462.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT							
		410C-21	NOV81	WA SER 0982A22330 TO 0982A22718.MOD KIT TO ELIM POT SHOCK HAZ							
		410C-22	DEC81	WN ALL SER INSTR WITH SOLID STATE AMPLIFER BD (A3)P/N 00410-66502							
		410C-23	APR83	WN SER 0982A22438 & BELOW;SER PREF 982 & BELOW.REC REPL FOR A3 AMPLIF ASSY							
		410C-24A	FEB84	WN SER 098A22439 TO 098A23564.IMPR NOISE REJECTION WHEN OPER AN RF ENVIRONMENT							
		410C-25-S	APR84	WO SAFETY:ALL SER.TEST FOR PROPER ISOLATBET CABINET & SIG GRND.REC MOD IF TEST FAILS							
411A		OPER & SERV MAN	AUG68	00411-90004	MAY75	00411-90054		01	09	02	
		MAN CHANGE	JAN75	00411-90004							
		SERV NOTE SET BELOW			JAN81						
		411A-1	FEB67	REC REPL FOR V3							
		411A-2	JUN70	WA SER 938-04685 THRU 938-04719.ELIM METER RINGING MODIFICATION							
412A		OPER & SERV MAN	NOV68	00412-90003	DEC84	00412-90053	8L	01	09	02	
		MAN CHANGE	AUG74	00412-90003							
412A/412AR		SERV NOTE SET BELOW			JAN81						
		412A/AR-1C	AUG69	WN SER BELOW 424-14482.INPUT CIR ASSY REPLACEMENT							

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44430A-130

44431A-115

44432A

44461A-201

44462A-020

44465A-050

44468A

44495A

44496A

44498A

44527A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
412A/412AB		412A-2B	-	RANGE SWITCH ASSY REPLACEMENT							

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SERV NOTE SET BELOW
 4140A-1 MAR80 WA SER 1917J00195 & BELOW.MOD TO IMPROVE STABILITY IN SIGNATURE ANALYSIS
 4140A-2 MAR80 ALL SER.DESC OF PERF TEST KIT FOR 4140A
 4140A-3 APR80 WO SER 1917J00270 & BELOW.MOD TO IMPROVE OP OF KEY CONTROLS
 4140A-5 - WA SER 1917J00270 & BELOW.REMEDY FOR MALFUNCTION OF KEY CONTROLS
 4140A-6 JAN81 WA ALL SER.MOD TO ELIM PULSE NOISE IN AC PWR LINE
 4140A-7 JAN81 WA ALL SER.MOD TO IMPROVE AUTO RANGING WHEN INST IS SET TO RAMP I-V OR C-V FUNCTION
 4140A-8 JAN81 WA ALL SER.MOD TO IMPROVE AUTO.RANGING WHEN INST IS SET TO STAIRCASE I-V FUNCTION & IS
 CONT'D MEASURING A CAP DEVICE

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

4140A 4140A-9 JAN81 WA ALL SER.MOD TO IMPROVE CAP OFFSET ADJ
 4140A-10 JAN81 WA ALL SER.MOD TO IMPROVE VB OUTPUT ABORT FUNCTION
 4140A-11 JAN81 WA ALL SER.MOD TO CORRECT STATUS BYTE STATE DURING HP-IB OPERAT
 4140A-12 JAN81 WA ALL SER.ELIM OF HI FREQ NOISE FM VOLTAGE SOURCE OUTPUTS
 4140A-13 FEB81 WA ALL SER.REMEDY FOR MALFUNCTION OF KEY CONTROLS
 4140A-14 FEB81 WA ALL SER.MOD TO IMPROVE A6 RAMP GEN PERF
 4140A-15 FEB81 WA ALL SER.MOD TO A3 MPU BD TO IMPROVE V SUB B OUTPUT

4140B OPER & SERV MAN SEP80 04140-90020 OCT80 04140-90070* 8L 01 33 04 USE 4140B FICHE 04140-90071
 OPER & SERV MAN SEP83 04140-90021 NOV84 04140-90071 8L 01 33 05
 MAN CHANGE AUG84 04140-90021
 SERV NOTE SET BELOW JUL81
 4140B-1 JAN81 WA SER 2034J00180 & BELOW.ELIM OF PULSE NOISE IN AC PWR LINE
 4140B-2 JAN81 WA SER 2034J00101,00104,00107,00108,00110,00111,00113,00114.MOD TO IMPROVE AUTO RANGING
 CONT'D WHEN INSTR IS SET TO RAMP I-V OR C-V FUNCTION
 4140B-3 JAN81 WA SER 2034J00101,00104,00107,00108,00110,00111,00113,00114.MOD TO IMPROVE AUTO RANGING
 CONT'D WHEN INST IS SET TO STAIRCASE I-V FUNCTION & IS MEASURING A CAP DEVICE
 4140B-4 JAN81 WA SER 2034J00101,00104,00107,00108,00110,00111,00113,00114.MOD TO IMPR CAP OFFSET ADJ
 4140B-5 JAN81 WA SER 2034J00101*00104,00107,00108,00110,00111,00113,00114.MOD TO IMPR VB OUTPUT ABORT
 CONT'D FUNCTION
 4140B-6 JAN81 WA SER 2034J00101,00104*00107,00108,00110,00111,00113,00114.MOD TO CORRECT THE STATUS
 CONT'D BYTE STATE DURING HP-IB OPER
 4140B-7 FEB81 WA SER 2034J00220 & BELOW.REMEDY FOR MALFUNCTION OF KEY CONTROLS
 4140B-8 FEB81 WA SER 2034J00240 & BELOW.MOD TO IMPROVE A6 RAMP GEN PERF
 4140B-9 FEB81 WA SER 2034J00250 & BELOW.MOD TO A3 MPU BD TO IMPROVE V SUB B OUTPUT

4141B OPER MAN AUG85 04141-90000 NOV85 04141-90050 8L 01 33 02

4145A OPER & SERV MAN AUG84 04145-90000 FEB85 04145-90050 8L 01 33 08
 SERV NOTE SET BELOW APR83
 4145A-1A NOV82 WA SER 2149J00146 & BELOW;SER 2149J00147 & BELOW.PWR SUPPLY MOD TO.PROT AGAINST SURGE
 CONT'D CURRENT DAMAGE

415B OPER & SERV MAN JUL71 00415-90017 MAY72 00415-90018 01 45 01
 MAN CHANGE MAR72 00415-90017
 SERV NOTE SET BELOW MAY78
 415B-1 - NOT AVAILABLE
 415B-2 - TESTING OF TUNED FILTER
 415B-3 - NOT AVAILABLE
 415B-4 AUG65 SER BELOW 213-11683.NOISE RED MOD

415C OPER & SERV MAN MAY62 415C-900 SEP71 00415-90012 01 45 02 SERIAL PFXES 132-, 147-, 208-
 MAN CHANGE JUN62 415C-900
 OPER & SERV MAN JUN62 415C-901 SEP71 00415-90013 01 45 02 SERIAL PFXES 212-, 214-, 218-
 MAN CHANGE JUL62 415C-901
 SERV NOTE SET BELOW MAY78
 415C-1 - NOT AVAILABLE
 415C-2A JUL63 MOD TO CONV FREQ OTHER THAN 1000 CPS
 415C-3 - SER BELOW 147.IMPR LINEARITY ON 200X XTAL INPUT
 415C-4A OCT63 ALL SER.METER CIR PROTECTION

415D SERV NOTE SET BELOW MAY78
 415D-1 - SER BELOW 406-01001.MOD FOR VARIABLE METER DAMPING

415E OPER & SERV MAN JUL71 00415-90009 APR74 00415-90015 01 45 02

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

415E MAN CHANGE DEC73 00415-90009 APR74 00415-90015 01 45 02

416A OPER & SERV MAN NOV61 416A-000 SEP82 00416-00021 8L 01 04 02

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4801A

415C-2A JUL65 MOD TO CONV FREQ OTHER THAN 1000 CPS
415C-3 - SER BELOW 147.IMPR LINEARITY ON 200X XTAL INPUT
415C-4A OCT63 ALL SER.METER CIR PROTECTION

415D SERV NOTE SET BELOW MAY78
415D-1 - SER BELOW 406-01001.MOD FOR VARIABLE METER DAMPING

415E OPER & SERV MAN JUL71 00415-90009 APR74 00415-90015 01 45 02

4801A

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415E		MAN CHANGE	DEC73	00415-90009	APR74	00415-90015	01 45 02					
416A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 416A-1 416A-2A	NOV61 MAR73	416A-900 416A-900	SEP82	00416-90021	8L 01 04 02					
					APR79							
									NOT AVAILABLE SER BELOW 002.V2 CONTROL TUBE REPL			
416AR		OPER & SERV MAN MAN CHANGE	NOV61 MAR73	416A-900 416A-900	SEP82	00416-90021	8L 01 04 02					
416B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 416B-1	JAN68 APR72	00416-90001 00416-90001	JUN72	00416-90004	01 45 02					
					APR79							
			MAR64	SER BELOW 410-00581					MOD TO ADD FILTERING + REDUCE MICROPHONICS			
417A		OPER & SERV MAN	JAN00	471A-901	JUN83	00417-90001	8L 01 04 01					
419A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 419A-1 419A-2 419A-3C 204B-2/208A-2/ 419A-4/3420B-1 419A-5A 419A-6 419A-7C-S 419A-8 419A-9D-S 419A-10A 419A-11 419A-12 419A-13-S	DEC72 JUN78	00419-90004 00419-90004	OCT78	00419-90054	8L 01 09 02					
					OCT84							
			MAR66	SER BELOW 532-00675.A1Q1 + A1Q2 REPL								
			OCT66	ALL SER. SERV PRECAUTIONS AVOID CONTAMINATION OF INSTR COMPONENTS								
			JAN74	WN SER BELOW 636-01275.AMMETER MOD KIT.HP PN 00419-64301								
			JAN67	MAIN INSTR FOR OPTIMUM LIFE FROM NICKEL-CAD BATTERIES								
			APR67	SER BELOW 532-01275.BT5 BATT HOLDER REPLACEMENT								
			MAY67	SER BELOW 707-01600.F1 REC REPLACEMENT								
			JUN84	WA SAFETY.SER 0948A05467 & BELOW.ELIM SHOCK HAZ								
			MAR75	WO BATTERY REPLACEMENT								
			MAY84	WA SAFETY:ALL SER.ELIM OF POT SHOCK HAZ								
			MAR83	WA SER 0948A05830 TO 0948A06037.BATTERY CHARGER MOD								
			SEP81	WO SER 0948A06923 TO 0948A07006.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT								
			MAY83	WN REPL NEON SUBASSY FOR PHOTOCOPPER ASSY								
			SEP83	WN SAFETY.ALL SER.POSS SHOCK HAZ WHEN MAKING FLOATING VOLT MEAS IN BATT MODE								
4191A		OPER MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN CHANGE SERV NOTE SET BELOW 4191A-2 4191A-5 4191A-6 4191A-7 4191A-8 4191A-9 4191A-10 4191A-11	APR80 SEP80 AUG83 NOV84 MAR85	04191-90001 04191-90011 04191-90012 04191-90012 04191-90012	MAY80	04191-90051*	8L 01 33 02	USE 4191A FICHE 04191-90062				
					NOV80	04191-90061*	8L 01 33 06	USE 4191A FICHE 04191-90062				
					AUG85	04191-90062	8L 01 33 07					
					APR82							
			JUL81	WN ALL SER.TRBLSHTNG INSTRCT WHEN USING 16341A LOGIC TEST BOX								
			JAN82	WA SER 1930J00127 & BELOW.MOD TO IMPROVE IF SIGNAL CHANNEL BAL								
			JAN82	WA SER 1930J00123 TO 00127;1930J00120 BELOW.MOD TO ELIM DISPLAY FLUCTUATN OPT002 ONLY								
			JAN82	WA SER 1930J00127 & BELOW.MOD TO IMPROVE THE A18 CLK GEN/DOUBLER								
			JAN82	WA SER 1930J00168, 1930J00166 & BELOW.MOD TO IMPR STABILITY AGAINST PHYSICAL SHOCKS								
			JAN82	WA SER 1930J00174,00175,1930J00171 & BELOW.MOD TO IMPR INTER DC BIAS								
			JAN82	WO SER 1930J00240 & BELOW.MOD TO A1 VTO BD (& A33 VTO BD OPT 002) TO IMPR OUTPUT SIG								
			JAN82	WO SER 1930J00240 & BELOW.MOD TO A2 DIVIDER BD TO IMPR PERF								
4192A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAY81 APR84 OCT84	04192-90000 04192-90001 04192-90001	NOV81	04192-90050*	8L 01 33 05	USE 4192A FICHE 04192-90051				
					AUG85	04192-90051	8L 01 33 07					
					APR83							

RESIS

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MODEL
NUMBER

4801A

4815A

485B

486A

487B

489A

490A

490B

4900A

4901A

4904A

4905A

491A

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M P D P L T V G	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
4192A		4192A-6 CONT'D 4192A-12	JAN82	WA SER 2045J00113 TO 2045J00202 & 2045J00204 TO 2045J00207.MOD TO IMPR PERF ON A1 RANGE								
			NOV82	WN ALL SER.BASIC LANGUAGE(HP85)HP-IB INTEFACE TEST PROG								

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491A

491C

4191A-11
 4192A OPER & SERV MAN MAY81 04192-90000 NOV81 04192-90050* 8L 01 33 05 USE 4192A FICHE 04192-90051
 OPER & SERV MAN APR84 04192-90001 AUG85 04192-90051 8L 01 33 07
 MAN CHANGE OCT84 04192-90001
 SERV NOTE SET BELOW APR83

4905A
 491A

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 191
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4192A		4192A-6 CONT'D 4192A-12	JAN82	WA SER 2045J00113 TO 2045J00202 & 2045J00204 TO 2045J00207.MOD TO IMPR PERF ON A1 RANGE							
			NOV82	WN ALL SER.BASIC LANGUGE(HP85)HP-IB INTEFACE TEST PROG							
4193A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4193A-1 4193A-2A	AUG83 OCT83	04193-90000 04193-90000	JAN84	04193-90050	8L	01	33	05	
					JAN85						
			NOV82	WN ALL SER.BASIC LANGUGE(HP85)HP-IB INTEFACE TEST PROG							
			AUG84	WN ALL SER.REPAIR PROC FOR PROBE CONN ASSY							
4194A		OPER MAN	AUG85	04194-90000	NOV85	04194-90050	8L	01	33	05	
42		INSTRUCT & OPER MAN	MAR61	00042-91364	JUN79	00042-91414	8L	01	11	02	
420A		OPER NOTE	DEC71	00420-90007	JUL75	00420-90008		01	04	01	
420B		OPER NOTE	DEC71	00420-90007	JUL75	00420-90008		01	04	01	
420C		OPER & SERV MAN OPER & SERV MAN	JUL79 APR81	00420-90012 00420-90014	DEC79 JUN81	00420-90013* 00420-90015	8L	01	04	01	USE 420C FICHE 00420-90015
4204A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4204A-1 4204A-4	OCT73 AUG75 APR78 OCT78 FEB80 AUG81 DEC82	04204-99005 04204-99006 04204-99007 04204-90008 04204-90009 04204-90010 04204-90010	JAN76 NOV77 MAY78 AUG79 MAY80 MAR83	04204-99055* 04204-99056* 04204-99057* 04204-90058* 04204-90059* 04204-90060	01 8L 8L 8L 8L 8L	33 01 01 01 01 01	03 02 02 02 02 02	USE 4204A FICHE 04204-99056 USE 4204A FICHE 04204-99057 USE 4204A FICHE 04204-90058 USE 4204A FICHE 04204-90059 USE 4204A FICHE 04204-90060	
					OCT78						
			JUN73	WO SER BELOW 1240J03140.REPL Q3 TRANS							
			OCT76	WA SER 1321J03490 & UP.UPDT PRT FOR Q1/2							
421A		OPER NOTE	JAN00	421A-900	MAR72	00421-90002		01	04	01	
422A		OPER & SERV MAN OPER & SERV MAN	AUG79 DEC81	00422-90009 00422-90013	FEB81 FEB82	00422-90011* 00422-90014	8L	01	04	01	USE 422A FICHE 00422-90014
423A		OPER & SERV MAN	JUL76	00423-90019	MAR77	00423-90021	8L	01	04	01	
423A/424A		SERV NOTE SET BELOW 423A/424A-1			MAY78						
			OCT67	REPLACEMENT DIODE ASSEMBLIES							
423B		OPER & SERV MAN OPER & SERV MAN	JUN75 FEB79	00423-90016 00423-90103	JUL76 MAR79	00423-90017* 00423-90104	8L	01	04	01	USE 423B FICHE 00423-90104
424A		OPER NOTE OPER & SERV MAN OPER & SERV MAN	JAN00 FEB79 APR81	00424-90026 00424-90029 00424-90032	SEP70 MAR79 JUN81	00424-90027* 00424-90031* 00424-90033	01 8L 8L	04 01 01	01 01 01	USE 424A FICHE 00424-90031 USE 424A FICHE 00424-90033	
425A		OPER & SERV MAN SERV NOTE SET BELOW 425A-1C 425A-2B 425A-3A 425A-4A	JUN70	00425-90005	AUG70	00425-90055		01	09	02	
					MAY78						
			FEB67	SER BELOW 950.PROC FOR REPL METER							
			JUN75	WN SER BELOW 002-02550.CIR MOD TO INCR RELIABILITY + STABILITY							
			-	SER BELOW 00202250.TWIN-T-FILTR ASSY REPLACEMENT							
			-	SER BELOW 14203050.RF VOLTAGE MOD							

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MODEL
NUMBER

491A
491C
4910A
4910B
4910C
4910F
4910G
4912F
4913A
4914A
4916A
4917A
4918A
492A

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
425A		425A-5 425A-6 425A-7	JUN69 MAR68 NOV74	SER BELOW 425-07150.PROC FOR RED AMPLF NOISE + ZERO OFFSET MODULATORS AVAILABLE IN SUB-ASSY'S FOR GREATER REORDERING CONVICIENCE WN SAFETY.SHOCK HAZARD ELIMINATION							
4260A		OPER & SERV MAN OPER & SERV MAN	MAR73 JUN77	04260-99004 04260-99004	JUN75	04260-99054*	8L	01	33	02	USE 4260A FICHE 04260-99056

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NUMBER

492A

SERV NOTE SET BELOW
425A-1C
425A-2B
425A-3A
425A-4A

MAY78
FEB67 SER BELOW 950.PROC FOR REPL METER
JUN75 WN SER BELOW 002-02550.CIR MOD TO INCR RELIABILITY + STABILITY
- SER BELOW 00202250.TWIN-T-FILTR ASSY REPLACEMENT
- SER BELOW 14203050.RF VOLTAGE MOD

4918A OPE
MAN
492A OPE
OPE

177

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

425A 425A-5 JUN69 SER BELOW 425-07150.PROC FOR RED AMPLF NOISE + ZERO OFFSET
425A-6 MAR68 MODULATORS AVAILABLE IN SUB-ASSY'S FOR GREATER REORDERING CONVICIENCE
425A-7 NOV74 WN SAFETY.SHOCK HAZARD ELIMINATION

4260A OPER & SERV MAN MAR73 04260-99004 JUN75 04260-99054* 8L 01 33 02 USE 4260A FICHE 04260-99056
OPER & SERV MAN JUL77 04260-99006 JUN78 04260-99056* 8L 01 33 02 USE 4260A FICHE 04260-90058
OPER & SERV MAN MAR79 04260-90008 MAY79 04260-90058* 8L 01 33 02 USE 4260A FICHE 04260-90059
OPER & SERV MAN MAY80 04260-90009 JUN80 04260-90059* 8L 01 33 02 USE 4260A FICHE 04260-90060
OPER & SERV MAN DEC80 04260-90010 MAY82 04260-90060* 8L 01 33 02 USE 4260A FICHE 04260-60061
OPER & SERV MAN OCT82 04260-90011 NOV84 04260-90061 8L 01 33 02
MAN CHANGE AUG84 04260-90011

SERV NOTE SET BELOW
4260A-1 MAR67 PROC FOR MAKING AC RESIST MEASMENTS
4260A-2 - ILLUS PARTS IDENTIFICATION
4260A-3 JAN73 WO ALL SER.RANGE & FUNCTION SWITCH REPR
4260A-4 JAN74 ALL SER.ILLUSTR PRTS IDENT.SUPER 4260A-2

4261A OPER & SERV MAN JUL76 04261-99001 FEB77 04261-99051* 8L 01 33 04 USE 4261A FICHE 04261-99052
OPER & SERV MAN JUN77 04261-99002 AUG77 04261-99052* 8L 01 33 04 USE 4261A FICHE 04261-90053
OPER & SERV MAN JUL78 04261-90003 SEP78 04261-90053* 8L 01 33 04 USE 4261A FICHE 04261-90054
OPER & SERV MAN FEB79 04261-90004 FEB79 04261-90054* 8L 01 33 04 USE 4261A FICHE 04261-90055
OPER & SERV MAN JUN79 04261-90005 JUL79 04261-90055* 8L 01 33 04 USE 4261A FICHE 04261-90056
OPER & SERV MAN SEP83 04261-90006 DEC84 04261-90056 8L 01 33 04 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE AUG84 04261-90006

4262A OPER & SERV MAN NOV77 04262-90001 DEC77 04261-90051* 8L 01 33 04 USE 4262A FICHE 04262-90052
OPER & SERV MAN JUL78 04262-90002 DEC78 04262-90052* 8L 01 33 04 USE 4262A FICHE 04262-90053
OPER & SERV MAN JAN79 04262-90003 MAY79 04262-90053* 8L 01 33 04 USE 4262A FICHE 04262-90055
OPER & SERV MAN APR80 04262-90005 AUG80 04262-90055* 8L 01 33 04 USE 4262A FICHE 04262-90056
OPER & SERV MAN OCT80 04262-90006 JUN82 04262-90056* 8L 01 33 04 USE 4262A FICHE 04262-90057
OPER & SERV MAN OCT83 04262-90007 AUG83 04262-90057 8L 01 33 04
MAN CHANGE NOV84 04262-90007
MAN CHANGE MAR85 04262-90007

SERV NOTE SET BELOW
4262A-1A JAN81
4262A-9 SEP77 WA SAFETY.SER 1710J00116 TO 1710J00200.ELIM OF POT SAFETY HAZARD
CONT'D JAN80 WO SER 1739J01650 & BELOW.DESC OF POSSIBLE "FAIL" ANNUNCIATION DISPLAY AT START OF SELF
4262A-12 SEP80 WN SER 2022J02300 & BELOW.ELIM OF TROUBLE CAUSED BY ZENER DIODE A13CR15/16 REPL

4265A OPER & SERV MAN JAN73 04265-99000 OCT74 04265-99050 01 33 02
MAN CHANGE JAN74 04265-99000

4265B OPER & SERV MAN NOV75 04265-99012 JUL77 04265-99062* 8L 01 33 02 USE 4265B FICHE 04265-90052
OPER & SERV MAN FEB82 04265-90012 MAR83 04265-90052 8L 01 33 02
MAN CHANGE JAN82 04265-90012

427A OPER & SERV MAN JUL76 00427-90007 OCT78 00427-90057* 8L 01 09 02 USE 427A FICHE 00427-90058
OPER & SERV MAN JUN83 00427-90008 DEC83 00427-90058 8L 01 09 01
MAN CHANGE SEP83 00427-90008

SERV NOTE SET BELOW
427A-1B JAN82
427A-2 APR70 WN BATT OR AC LINE SUPPLY OPERATION
427A-3 DEC66 ALL SER.IMPED CONV A106 REPLACEMENT
427A-4 JAN67 IMPROVED ZERO OFFSET
427A-5 MAR67 SER BELOW 621-02300.A1Q4,A1Q8 REPL
OCT78 WA SER BELOW 0947A18910.METER STABILITY IMPROV WHEN SWITCHING FM DCV+ TO DCV- POSITIONS

11/08/85 MODEL NUMBER O C
492A MAN
MAN
MAN
4920A OPER
SERV
4920A-002 SERV
4920A-003 SERV
4925A OPER
MAN
4925B OPER
493A OPER
MAN
SERV
493A
493A
4930A OPER
SERV
SERV
OPER
SERV
SERV
4930
4930
4930
4930
4935A OPER
SERV
4935
4935
4935
4935
4935
4935
4935
4935
4935
4936A SERV
4936
4936
4937A SERV
4937
4937
4938A OPER

78

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

427A 427A-6 SEP81 WO SER 0947A20851 TO 0947A20972.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT

4270A OPER & SERV MAN DEC73 04270-99004 MAR74 04270-99054* 01 33 07 USE 4270A FICHE 04270-99056
OPER & SERV MAN MAY77 04270-99006 JUN81 04270-99056 8L 01 33 05
MAN CHANGE MAY77 04270-99006
MAN CHANGE A JUL77 04270-99006
MAN CHANGE B OCT77 04270-99006

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4938A SERV
4938A
494A OPER
OPER
MAN

427A-3
427A-4A
427A-5

ALL SERIALIZED CONV ATRO REPLACEMENT
JAN67 IMPROVED ZERO OFFSET
MAR67 SER BELOW 621-02300.A1Q4,A1Q8 REPL
OCT78 WA SER BELOW 0947A18910.METER STABILITY IMPROV WHEN SWITCHING FM DCV+ TO DCV- POSITIONS

4938A

OPER

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 193

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

427A 427A-6 SEP81 WO SER 0947A20851 TO 0947A20972.TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT

4270A OPER & SERV MAN DEC73 04270-99004 MAR74 04270-99054* 01 33 07 USE 4270A FICHE 04270-99056
OPER & SERV MAN MAY77 04270-99006 JUN81 04270-99056 8L 01 33 05
MAN CHANGE MAY77 04270-99006
MAN CHANGE A JUL77 04270-99006
MAN CHANGE B OCT77 04270-99006
SERV NOTE SET BELOW AN81
4270A-1 AUG70 WO SER BELOW 1020J.REC REPL FOR A28R6/11
4270A-2 DEC70 RECOMMENDED TROUBLESHOOTING PROCEDURE
4270A-3 MAR71 WN ALL SER.DESCRPTION OF SERVICE KIT
4270A-4 NOV71 WA SER BELOW 1116J00324.MOD TO CORREC NONSIGNIFICANT READINGS AT BCD OUTPT & DISPLAY
4270A-5 - WO ALL SER.RELAY REPLACEMENT
4270A-6A - WO SER BELOW 1214J00415.IMPR DECIMAL & ANNUNCIATOR LAMPS
4270A-7 - SER J.FIX FOR OSCIL ON 1MHZ RANGE
4270A-13 SEP80 WO ALL SER.PROPER IDENT OF CABLE COLOR CODE ON TI POWER XFORMER

4271A OPER & SERV MAN AUG73 04271-99000 JUN75 04271-99050* 01 33 06 USE 4271A FICHE 04271-99052
OPER & SERV MAN OCT76 04271-99002 NOV77 04271-99052 8L 01 33 05
SERV NOTE SET BELOW JAN81
4271A-1 JAN74 WO SER BELOW 1310J00152.IMPR ANNUNCIATOR & UNIT LAMPS
4271A-2 NOV74 WO SER BELOW 1412J00350.IMPR XTAL OSCILLATOR CIRCUIT ON A4 BOARD
4271A-5 AUG77 INDUCTANCE ACCURACY CERT

4271A-005 OPER NOTE AUG73 04271-99100 JUL77 04271-99150 8L 01 33 01

4271B OPER & SERV MAN MAR78 04271-90003 APR78 04271-90050* 8L 01 33 05 USE 4271B FICHE 04271-90051
OPER & SERV MAN AUG78 04271-90001 SEP78 04271-90051* 8L 01 33 05 USE 4271B FICHE 04271-90052
OPER & SERV MAN FEB80 04271-90002 APR80 04271-90052* 8L 01 33 05 USE 4271B FICHE 04271-90053
OPER & SERV MAN APR82 04271-90003 NOV84 04271-90053 8L 01 33 05 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE AUG84 04271-90003
SERV NOTE SET BELOW OCT78
4271A-5 AUG77 INDUCTANCE ACCURACY CERT

4271B-101 OPER NOTE MAY77 04271-90010 DEC78 04271-90060 8L 01 33 01
MAN CAHNGE FEB78 04271-90010

4272A OPER & SERV MAN APR82 04272-90001 NOV84 04272-90051 8L 01 33 04
MAN CHANGE JUL84 04272-90001

4273A OPER & SERV MAN AUG78 04273-90001 JUN80 04273-90051* 8L 01 33 03 USE 4273A FICHE 04273-90052
OPER & SERV MAN NOV81 04273-90002 MAR83 04273-90052 8L 01 33 02

4273A-006 OPER & SERV MAN AUG78 04273-90001 JUN80 04273-90051* 8L 01 33 03 USE 4273A-006 FICHE 04273-90052
OPER & SERV MAN NOV81 04273-90002 MAR83 04273-90052 8L 01 33 02

4274A OPER MAN MAR79 04274-90001 MAY79 04274-90051* 8L 01 33 02 USE 4274A FICHE 04274-90052
OPER MAN JUN79 04274-90002 AUG79 04274-90052* 8L 01 33 02 USE 4274A FICHE 04274-90053
OPER MAN NOV79 04274-90003 OCT80 04274-90053* 8L 01 33 02 USE 4274A FICHE 04274-90054
OPER MAN MAR82 04274-90004 MAY84 04274-90054 8L 01 33 02 SEE TITLE PAGE FOR OPTIONS COVERED
MAN CHANGE FEB84 04274-90004
MAN SUPP B NOV80 04274-90004
SERV MAN OCT79 04274-90010 NOV79 04274-90060* 8L 01 33 04 USE 4274A FICHE 04274-90061
SERV MAN MAR80 04274-90011 MAY80 04274-90061* 8L 01 33 03 USE 4274A FICHE 04274-90062
SERV MAN FEB82 04274-90012 SEP84 04274-90062 8L 01 33 04

11/08/85 MODEL NUMBER O C

4938A

SERV MAN
4938A-

494A

OPER
OPER
MAN CH
MAN SU
OPER
MAN CH

4940A

OPER
MAN CH
SERV
OPER
SERV
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-
4940A-

4942A

OPER
MAN CH
OPER
SERV
4942A-
4942A-
4942A-
4942A-
4942A-
4942A-
4942A-
4942A-
4942A-

4943A

OPER
MAN CH
OPER
SERV
4943A-
4943A-
4943A-
4943A-

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

4274A MAN CHANGE SEB82 04274-90012 SEP84 04274-90062 8L 01 33 04
SERV NOTE SET BELOW JUL85
4274A-1 SEP80 WA SER 1838J00114,00116,00118,00119,00120,00122,00129,1850J00136.MOD TO IMPROVE DC BIAS
CONTD V (OPT 001/002) ACCURACY
4274A-2 SEP80 WO SER 1850J00460 & BELOW.MOD TO IMPROVE OSC LEVEL WHEN PERF A3 TEST SIGNAL LEVEL
CONTD MONITOR ADJ.
4274A-3 SEP80 WO SER 1850J00540 & BELOW.MOD TO PROVIDE SUFF CURRENT THRU DUT
4274A-4A NOV80 WO SER 1850J00207,00209,00210,00212,00214,00220,00223-00230,00232-00235.REC A9U1 & A9U5
CONTD PROM REPL TO IMPROVE PERF

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4943A

4943A-
4943A-
4943A-
4943A-

4943A-010

OPER

11/08/85
MODEL
NUMBERO
CLITERATURE
TYPEH/C
DATEH/C PART
NUMBERFICHE
DATEFICHE PART
NUMBERM P D P
L T V G

*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

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4274A

MAN CHANGE
SERV NOTE SET BELOW
4274A-1
CONTD
4274A-2
CONTD
4274A-3
4274A-4A
CONTD
4274A-5
4274A-6
4274A-7
4274A-8
4274A-9
4274A-10A
CONTD
4274A-11
4274A-12
4274A-13B
CONTD
4274A-14
4274A-15
4274A-16
4274A-19
4274A-25
4274A-26

SEP82 04274-90012 SEP84 04274-90062 8L 01 33 04
JUL85

SEP80 WA SER 1838J00114,00116,00118,00119,00120,00122,00129,1850J00136.MOD TO IMPROVE DC BIAS
V (OPT 001/002) ACCURACY

SEP80 WO SER 1850J00460 & BELOW.MOD TO IMPROVE OSC LEVEL WHEN PERF A3 TEST SIGNAL LEVEL
MONITOR ADJ.

SEP80 WO SER 1850J00540 & BELOW.MOD TO PROVIDE SUFF CURRENT THRU DUT

NOV80 WO SER 1850J00207,00209,00210,00212,00214,00220,00223-00230,00232-00235.REC A9U1 & A9U5
PROM REPL TO IMPROVE PERF

SEP80 WA SER 1850J00160 & BELOW.MOD TO PREVENT PARASITIC OSC AT LOW FREQ

SEP80 WO SER 1850J00235 & BELOW.MOD OF A6 OSC BD TO IMPR PERF OF ZERO OFFSET ADJ.

SEP80 WO SER 1850J00235 & BELOW.REC A9U1 & A9U5 PROM REPL TO IMPROVE PERF

SEP80 WO SER 1850J00175 & BELOW.REC PROM REPL FOR OPT 001/002 (DC BIAS) TO IMPROVE PERF

SEP80 WO SER 1850J00235 & BELOW.MOD TO PREVENT ILLEGAL DISPLAY 9.99999

OCT80 WO SER 1850J00385 & BELOW.MOD TO PREVENT NEWLY INSTALLED INTEGRATORS FROM CREATING
ERRONEOUS COUNTS

SEP80 WO SER 1838J00135 & BELOW.MOD TO A7/A9 BDS TO IMPROVE PERF

SEP80 WA SER 1838J00101,106,108,110-116,120,121.MOD TO IMPROVE MEMORY BACKUP BATTERY

NOV80 WA SER 2031J00800 & BELOW.MOD TO PREVENT CABLE ASSYS ON BOTTOM SIDE OF MOTHER BD FROM
BEING PIERCED BY PC BOARD CONNECTORS

OCT80 WN SER 2019J00760 & BELOW.SUPP INFO TO SN'S 4274A-4,7,11

NOV80 WN SER 2031J01060 & BELOW.MOD TO ELIM ILLEGAL DC BIAS VOLTAGE DURING HP-IB OPER

JUL81 WA SER 1850J00143 & BELOW.MOD TO PREVENT MALFUNCTION IN OPT 101 HP-IB INTERFACE

NOV82 WN ALL SER.BASIC LANGUGE(HP85)HP-IB INTEFACE TEST PROG

SEP84 WA SER 2031J00850 & BELOW.REMEDY FOR DEFECTIVE RAM

DEC84 WN 2434J02741 & BELOW.BIAS CIRCUIT MOD FOR NEW REPL FET

4275A

OPER MAN
OPER MAN
OPER MAN
OPER MAN
MAN CHANGE
SERV MAN
SERV MAN
SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
4275A-1
CONTD
4275A-2
4275A-3
4275A-4
4275A-5
4275A-6A
CONTD
4275A-7
4275A-8
4275A-9
CONTD
4275A-10A
4275A-11B
4275A-12
4275A-13
4275A-17
4275A-22

MAR79 04275-90001 MAY79 04275-90051* 8L 01 33 02 USE 4275A FICHE 04275-90052

JUN79 04275-90002 AUG79 04275-90052* 8L 01 33 02 USE 4275A FICHE 04275-90053

NOV79 04275-90003 OCT80 04275-90053* 8L 01 33 02 USE 4275A FICHE 04275-90054

DEC84 04275-90004 DEC84 04275-90054 8L 01 33 02

JUL84 04275-90004

NOV79 04275-90010 JAN80 04275-90060* 8L 01 33 04 USE 4275A FICHE 04275-90061

FEB80 04275-90011 JUL80 04275-90061* 8L 01 33 04 USE 4275A FICHE 04275-90062

SEP84 04275-90012 OCT85 04275-90062 8L 01 33 04

JAN85 04275-90012

JAN85

SEP80 WO SER 1851J00272 & BELOW,00274,00278-00276,00285-00281,00296-00288,00299,00301,00302.
MOD TO IMPR 1 UH MSMT AT 10MHZ WITH 1 METER TEST LEADS

SEP80 WO SER 1843J00129 & BELOW.REC A9U1 & A9U5 PROM REPL TO IMPROVE PERF

SEP80 WO SER 1851J00202 & BELOW.REC A9U1 & A9U5 PROM REPL TO IMPROVE PERF

SEP80 WO SER 1851J00129 & BELOW.REC PROM REPL FOR OPT 001/002 (DC BIAS) TO IMPROVE PERF

SEP80 WO SER 1851J00182 & BELOW.MOD TO PREVENT ILLEGAL DISPLAY 9.99999

OCT80 WO SER 1851J00262 & BELOW.MOD TO PREVENT NEWLY INSTALLED INTEGRATORS FM CREATING
ERRONEOUS COUNTS

SEP80 WO SER 1843J00111 & BELOW.MOD TO A7/A9 BDS TO IMPROVE PERF

SEP80 WA SER 1843J00106-00111.MOD TO IMPROVE MEMORY BACKUP BATTERY

SEP80 WA SER 1851J00673 & BELOW,00675 & 00682,00684 & 00692,00695,00698-00701.ADDITION OF A
FILTER TO IMPROVE IMHZ MEASUREMENT

DEC80 WN ALL SER.NEW RF FILTER FOR REJECTION OF PROBER GENERATED NOISE

NOV80 WA SER 2016J00852 & BELOW.MOD TO PREVENT CABLE ASSYS FM BEING PIERCED BY PC BD CONNECTR

NOV80 WN SER 2045J01072 & BELOW.MOD TO ELIM ILLEGAL DC BIAS VOLTAGE DURING HP-IB OPER

JUL81 WA SER 1843J00111 & BELOW.MOD TO PREVENT MALFUNCTION IN OPT 101 HP-IB INTERFACE

NOV82 WN ALL SER.BASIC LANGUGE(HP85)HP-IB INTEFACE TEST PROG

SEP84 WN ALL SER.OPT 004 MOD PROC

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4943A

4943A-7
4943A-8
4943A-9
4943A-1
4943A-1

4943A-010

OPER &

4943A-012

OPER &

4943A-015

OPER &

4943A-019

OPER &

4943A-910

OPER &

4944A

OPER &
OPER NO
OPER &
OPER &
SERV NO
4944A-1
4944A-2
4944A-3
4943A-5
4944A-5
4944A-6
4944A-7
4944A-8
4944A-9
4944A-1

4945A

OPER MA
SERV MA
MAN CHA
OPER IN
SERV MA
MAN CHA
OPER MA
SERV NO
4945A-1
4945A-2
4945A-3
4945A-4

495A

OPER &
MAN CHA
SERV NO
493A-6/
493A-7/
495A-8B

4950A

PRELIM

4951A

SERV MA

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4275A

4275A-23

SEP84 WA SER 2045J00922 & BELOW.REMEDY FOR DEFECTIVE RAM

4276A

OPER & SERV MAN
MAN CHANGE

JUL83 04276-90000 JAN84 04276-90050 8L 01 33 05

OCT83 04276-90000

4277A

OPER & SERV MAN
MAN CHANGE
MAN SUPPL
SERV NOTE SET BELOW
4277A-6

DEC82 04277-90000 DEC83 04277-90050 8L 01 33 06

OCT83 04277-90000

OCT84 04277-90300 NOV84 04277-90350 8L 01 33 01

APR85

NOV84 WO SER 2228J01017 & BELOW.CMOS MULTIPLEXER IC REPL

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4951A

OPER MAN
MAN CHAN
OPER & S
SERV NOT
4951A-1
4951A-2
4951A-3
4951A-4
4951A-5
4951A-6

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

4275A		4275A-23	SEP84	WA SER 2045J00922 & BELOW	REMEDY FOR DEFECTIVE RAM										
4276A		OPER & SERV MAN MAN CHANGE	JUL83 OCT83	04276-90000 04276-90000	JAN84 04276-90050	8L	01	33	05						
4277A		OPER & SERV MAN MAN CHANGE MAN SUPPL SERV NOTE SET BELOW 4277A-6	DEC82 OCT83 OCT84	04277-90000 04277-90000 04277-90300	DEC83 04277-90050 NOV84 04277-90350 APR85	8L	01	33	06 01						
4277A-H03		OPER & SERV MAN	APR84	04277-90200	JUN84 04277-90250	8L	01	33	01						
4277A-H04		OPER & SERV MAN	APR84	04277-90200	JUN84 04277-90250	8L	01	33	01						
428A		OPER & SERV MAN SERV NOTE SET BELOW 428A-1 428A-2C	AUG61	428A-910	AUG82 428A-960 JAN82	8L	01	09	01						
			-	NOT AVAILABLE											
			-	SER BELOW 022-02675	ELECTRICAL MODS										
428B		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 428B-1 428B-2	SEP74 SEP83 MAY85	00428-90004 00428-90005 00428-90005	DEC79 00428-90054* JUL85 00428-90055	8L	01	09	02	USE 428B FICHE 00428-90055					
					OCT82										
			SEP81	WO SER 0995A13884 TO 0995A14023	TRBLESHTNG PROC TO TEST INTERMITTENT METER CIRCUIT										
			MAY82	WN SER 0994A06225 & BELOW	PREF REPL FOR L7										
4280A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE OPER NOTE MAN SUPP SERV NOTE SET BELOW 4280A-7	DEC83 AUG84 NOV84 SEP83 DEC83	04280-90000 04280-90001 04280-90001 04280-90100 04280-90300	APR84 04280-90050* MAR85 04280-90051	8L	01	33	08 06	USE 4280A FICHE 04280-90051					
			SEP84	WN ALL SER	RESONANT CIR REPAIR INFO										
4282A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 4282A-6	JAN74 JUL77 JAN82	04282-99000 04282-99001 04282-90001	JUL74 04282-99050* AUG77 04282-99051* MAR83 04282-90051	8L	01	33	04 04 04	USE 4282A FICHE 04282-99051 USE 4282A FICHE 04282-90051					
			JAN80	ALL SER	REV AGC ADJ PROC										
430A		OPER & SERV MAN	SEP62	430A-501A	MAY78 5951-6209	8L	01	04	01						
430B		OPER & SERV MAN SERV NOTE SET BELOW 430B-1 430B-2B	JUN62	430B-900	MAR76 00430-90008 MAY78	8L	01	04	02						
			-	BIAS CURRENT CHECKING + ADJ PROCEDURE											
			-	INCR FLEX + CONVENIENCE MODIFICATION											
430C		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 430C-2B	MAR67 MAR78	00430-90004 00430-90004	APR78 00430-90006 MAY78	8L	01	04	01						
			SEP63	SER BELOW 475	BRIDGE AMPLF MOD										
4301A		OPER & SERV MAN MAN CHANGE	DEC63 APR65	04301-9001 04301-9001	JAN74 04301-9051	01	02	01							

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4951A		OPER MAN MAN CHANGE OPER & SERV SERV NOTE 4951A-1 4951A-2 4951A-3 4951A-4 4951A-5 4951A-6 4951A-7 4951A-8B 4951A-9 4951A-10A 4951A-11 4951A-12 4951A-13 4951A-14 4951A-15
4953A		OPER MAN REPAIR MA OPER MAN SERV NOTE 4953A-1A 4953A-2 4953A-3 4953A-4 4953A-5 4953A-6
4955A		SERV MAN QUICK REF OPER & PR OPER & PR OPER & PR SERV NOTE 4955A-1B 4955A-2B 4955A-3 4955A-4 4955A-5 4955A-6 4955A-7A 4955A-8 4955A-9 4955A-10
4960A		OPER & SE MAN CHANGE SERV NOTE 4960A-2S CONT'D 4960A-3 4960A-4

4304B

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4304B	OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4304B-1	JAN72 04304-99000 SEP77 04304-99001 MAR83 04304-99001 OCT81 JUL81 WN ALL SER.INSTALL INSTRUCT FOR RECHARGEABLE BATTERY, OPT 001	FEB76 04304-99050* 8L 01 33 02 AUG83 04304-99051 8L 01 33 02	USE 4304B FICHE 04304-99051
431A	OPER & SERV MAN MAN CHANGE MAN CHANGE SERV NOTE SET BELOW 431A-1C 431A-2 431A-3 431A-4/431B-4/ 431C-4 431A-5	JUN62 431A-900 OCT63 431A-900 MAY63 431A-900 MAY78 JUN67 MOD TO ALLOW BATTERY OPERATION SER BELOW 210-00666.ZERO SET CONT MOD - EQUALIZER NETWORK ASSY INSTALL DEC68 WO SER ABOVE 210.PREF REPL ZERO CONTROL JUN64 MOD TO SMOOTH ZERO SET OPER BELO ZERO	APR72 00431-90021 8L 01 04 02	
431B	OPER & SERV MAN SERV NOTE SET BELOW 431B-1 431B-2 431B-3	JUN66 00431-90007 AUG63 LONG CABLE INSTALL PROCEDURE - NOT AVAILABLE - SER BELOW 423-04101.Q106 REC REPL	SEP85 00431-90008 8L 01 04 01 MAY78	
431C	OPER & SERV MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW 431C-1 431C-2 431C-3	FEB66 00431-9006 JAN67 00431-9006 NOV69 00431-90017 MAY78 SEP66 LONG CABLE OPT INSTALL PROCEDURE - SER BELOW 618-01450.REPL DIODE KIT AUG67 SER BELOW 707-04050.F1 REC REPL	APR71 00431-90019 01 04 02 FOR SERIAL PFXES 651- & BELOW JUL70 00431-90020 01 04 02 FOR SERIAL PFXES 707- & ABOVE MAY78	
432A	OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW 432A-1 432A-2 432A-3 432A-4A 432A-5 432A-6A 432A-7 432A-8 432A-9	JUN72 00432-90009 AUG84 00432-90009 MAY77 00432-90009 OCT80 NOV68 WN CALIB PROC (WITHOUT USING 8477A) APR69 WN SER BELOW 843.INCR STAB DURING CALIB SEP69 WN SER BELOW 937-01850.IMPR BATT CHARGERADJ RANGE MOD NOV69 WN SER DWN 812-00200.ZERO + TRACK MOD SEP69 WN SER BELOW 840.LEVELING AMPLF COMPAT MAY73 WO ALL SER.LONG THERMIS MOUNT CABLE INST MAR70 WO SER BELOW 957-02950.COLD ENVIRON MOD APR70 WN SER BELOW 843.A2 LOGIC BRD REC REPL SEP70 WO SER BELOW 968-03550.100 OHM OPER MOD	FEB85 00432-90029 8L 01 04 02	
432A-H03	OP & SERV MAN SUPP	SEP70 00432-90021	NOV85 00432-90030 8L 01 04 01	
432B	MAN SUPP C MAN SUPP MAN SUPP SERV NOTE SET BELOW 432B-1 432B-2A 432B-3A	NOV76 00432-90022 FEB80 00432-90044 MAY83 00432-90053 OCT81 JUL71 WO SER BELOW 1143A00310.REC REPL FOR 115V FUSE IS 2110-0201 OCT75 WA SER BELOW 1528A.IMPR OPER WITH DIGITAL RECORDER MOD AUG81 WO SER 1913A & BELOW.IMPR REPL DIGITAL PANEL METER INSTALL KIT (00432-60116)	JUN79 00432-90026* 8L 01 04 01 AUG82 00432-90045* 8L 01 04 01 AUG83 00432-90054 8L 01 04 01	USE 432B FICHE 00432-90045 USE 432B FICHE 00432-90054

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432A-1 NOV68 WN CALIB PROC (WITHOUT USING 8477A)
 432A-2 APR69 WN SER BELOW 843. INCR STAB DURING CALIB
 432A-3 SEP69 WN SER BELOW 937-01850. IMPR BATT CHARGERADJ RANGE MOD
 432A-4A NOV69 WN SER DWN 812-00200. ZERO + TRACK MOD
 432A-5 SEP69 WN SER BELOW 840. LEVELING AMPLF COMPAT
 432A-6A MAY73 WO ALL SER. LONG THERMIS MOUNT CABLE INST
 432A-7 MAR70 WO SER BELOW 957-02950. COLD ENVIRON MOD
 432A-8 APR70 WN SER BELOW 843. A2 LOGIC BRD REC REPL
 432A-9 SEP70 WO SER BELOW 968-03550. 100 OHM OPER MOD

432A-H03 OP & SERV MAN SUPP SEP70 00432-90021 NOV85 00432-90030 8L 01 04 01
 432B MAN SUPP C NOV76 00432-90022 JUN79 00432-90026* 8L 01 04 01 USE 432B FICHE 00432-90045
 MAN SUPP FEB80 00432-90044 AUG82 00432-90045* 8L 01 04 01 USE 432B FICHE 00432-90054
 MAN SUPP MAY83 00432-90053 AUG83 00432-90054 8L 01 04 01
 SERV NOTE SET BELOW OCT81
 432B-1 JUL71 WO SER BELOW 1143A00310. REC REPL FOR 115V FUSE IS 2110-0201
 432B-2A OCT75 WA SER BELOW 1528A. IMPR OPER WITH DIGITAL RECORDER MOD
 432B-3A AUG81 WO SER 1913A & BELOW. IMPR REPL DIGITAL PANEL METER INSTALL KIT (00432-60116)

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432C MAN SUPP MAY76 00432-90034 JUN79 00432-90035* 8L 01 04 02 USE 432C FICHE 00432-90047
 MAN SUPP DEC79 00432-90046 AUG83 00432-90047* 8L 01 04 02 USE 432C FICHE 00432-90057
 MAN SUPP AUG84 00432-90056 JAN85 00432-90057 8L 01 04 02
 MAN CHANGE SEP84 00432-90056
 SERV NOTE SET BELOW OCT81
 432C-1 JAN73 WN SER 1213A + DOWN. COMPUTER OPER MOD
 432C-2 NOV78 WO SER BELOW 1832A. MOD TO BUFFER PCD OUTPUT DATA.
 432C-3A AUG81 WO SER 1906A & BELOW. IMPR REPL DIGITAL PANEL METER INSTALL KIT (00432-60117)
 432C-4A SEP80 WO SER 1906A & BELOW. AUTO RANGE ASSY REPL FOR REMOTE OPERATION

4328A OPER & SERV MAN SEP74 04328-99004 NOV74 04328-99054* 01 33 02 USE 4328A FICHE 04328-99055
 OPER & SERV MAN OCT75 04328-99005 AUG77 04328-99055* 8L 01 33 02 USE 4328A FICHE 04328-99056
 OPER & SERV MAN NOV78 04328-99006 DEC78 04328-99056* 8L 01 33 02 USE 4328A FICHE 04328-99058
 OPER & SERV MAN JAN82 04328-99008 SEP83 04328-99058 8L 01 33 02
 MAN CHANGE AUG83 04328-99008
 SERV NOTE SET BELOW OCT81
 4328A-1 APR70 WO SER BELOW 819-01190. IMPR PROBE CABLE
 4328A-2 APR70 WO CALIB PROC & POS NEEDED CORRECTION
 4328A-4 DEC73 WO SER BELOW 1210. DETACHABLE PROBE KIT. SUPER 4328A-3
 4328A-7 DEC73 WO SER 1210 & BELOW. PREF REPL PROBES
 4328A-8 JUL81 WN ALL SER. INSTALL INSTRUCT FOR RECHARGEABLE BATTERY, OPT 001

4329A OPER & SERV MAN AUG74 04329-99006 JAN76 04329-99056* 01 33 02 USE 4329A FICHE 04329-99058
 OPER & SERV MAN MAY77 04329-99008 JUN77 04329-99058* 8L 01 33 02 USE 4329A FICHE 04329-99059
 OPER & SERV MAN APR78 04329-99009 MAY78 04329-99059* 8L 01 33 02 USE 4329A FICHE 04329-99060
 OPER & SERV MAN DEC78 04329-99010 JAN79 04329-99060* 8L 01 33 02 USE 4329A FICHE 04329-99061
 OPER & SERV MAN APR80 04329-99011 MAY80 04329-99061* 8L 01 33 02 USE 4329A FICHE 04329-99062
 OPER & SERV MAN MAY82 04329-99012 SEP83 04329-99062 8L 01 33 02
 MAN CHANGE MAY83 04329-99012
 SERV NOTE SET BELOW JAN85
 4329A-1A JUL73 WO SER BELOW 1207. SERV KIT TO ELIM CAPACITORS CONTAINING PCB
 4329A-7A NOV84 WN SER 2111J06487 THRU 2111J06568, 2111J06570 THRU 2111J06574 & 2111J06576. REPL OF
 CONT'D INCORREC TRANS

4332A OPER & SERV MAN JUL73 04332-99002 JAN76 04332-99052* 01 33 02 USE 4332A FICHE 04332-99053
 OPER & SERV MAN JUN77 04332-99003 JUN77 04332-99053* 8L 01 33 02 USE 4332A FICHE 04332-99054
 OPER & SERV MAN JAN82 04332-99004 MAR83 04332-99054 8L 01 33 02
 MAN CHANGE MAY82 04332-99004

4333A OPER & SERV MAN OCT75 04333-99000 JAN76 04333-99050* 8L 01 33 02 USE 4333A FICHE 04333-99051
 OPER & SERV MAN APR77 04333-99001 APR77 04333-99051 8L 01 33 02

434A OPER & SERV MAN JUL68 00434-99006 FEB72 00434-99007 01 04 02
 MAN CHANGE NOV71 00434-99006
 OPER & SERV MAN APR61 434A-500A FEB83 00434-99009 8L 01 04 01
 MAN CHANGE MAR62 434A-500A
 SERV NOTE SET BELOW APR79
 434A-1G DEC71 HEAD BOX INSTALL PROCEDURE
 434A-2A - OPERATING PRECAUTIONS
 434A-3 AUG65 SER BETWEEN 229-01151 + 345-01952. INCR FUSE VALUE FOR 50 CYCLE LINE OPERATION
 434A-4 SEP70 WO SER BELOW 229-01151. MOTOR + PUMP REPL

4342A OPER & SERV MAN JUL73 04342-99003 JAN76 04342-99053* 01 33 03 USE 4342A FICHE 04342-99054
 OPER & SERV MAN NOV75 04342-99004 NOV77 04342-99054* 8L 01 33 03 USE 4342A FICHE 04342-99055

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	OPER & SERV MAN MAN CHANGE	JAN82 04332-90004 MAY82 04332-90004	MAR83 04332-90054 8L 01 33 02
4333A	OPER & SERV MAN OPER & SERV MAN	OCT75 04333-99000 APR77 04333-99001	JAN76 04333-99050* 8L 01 33 02 USE 4333A FICHE 04333-99051 APR77 04333-99051 8L 01 33 02
434A	OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 434A-1G 434A-2A 434A-3 434A-4	JUL68 00434-90006 NOV71 00434-90006 APR61 434A-500A MAR62 434A-500A DEC71 - AUG65 SEP70	JUL68 00434-90007 01 04 02 FEB72 00434-90007 01 04 02 FEB83 00434-90009 8L 01 04 01 APR79 HEAD BOX INSTALL PROCEDURE OPERATING PRECAUTIONS SER BETWEEN 229-01151 + 345-01952. INCR FUSE VALUE FOR 50 CYCLE LINE OPERATION NO SER BELOW 229-01151. MOTOR + PUMP REPL
4342A	OPER & SERV MAN OPER & SERV MAN	JUL73 04342-99003 NOV75 04342-99004	JAN76 04342-99053* 01 33 03 USE 4342A FICHE 04342-99054 NOV77 04342-99054* 8L 01 33 03 USE 4342A FICHE 04342-99055

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DESCRIPTION ***

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	N/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 198
*** DESCRIPTION ***											
4342A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4342A-1	MAY78 04342-99005 OCT78 04342-90006 NOV79 04342-90007 MAR80 04342-90008 AUG81 04342-90009 MAR83 04342-90009 DEC70	04342-99005 04342-90006 04342-90007 04342-90008 04342-90009 04342-90009 04342-90009	JUN78 04342-99055* AUG79 04342-90056* JAN80 04342-90057* JUN80 04342-90058* JUN83 04342-90059	04342-99055* 04342-90056* 04342-90057* 04342-90058* 04342-90059	8L	01	33	03	USE 4342A FICHE 04342-90056 USE 4342A FICHE 04342-90057 USE 4342A FICHE 04342-90058 USE 4342A FICHE 04342-90059
4342A-001		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL73 04342-99003 NOV75 04342-99004 MAY78 04342-99005 OCT78 04342-90006 NOV79 04342-90007 MAR80 04342-90008 NOV80 04342-90009 JUL81 04342-90009	04342-99003 04342-99004 04342-99005 04342-90006 04342-90007 04342-90008 04342-90009 04342-90009	JAN76 04342-99053* AUG77 04342-99054* JUN78 04342-99055* AUG79 04342-90056* JAN80 04342-90057* JUN80 04342-90058* NOV81 04342-90059	04342-99053* 04342-99054* 04342-99055* 04342-90056* 04342-90057* 04342-90058* 04342-90059	01 8L	33 01	03 33	03 03	USE 4342A-001 FICHE 04342-99054 USE 4342A-001 FICHE 04342-99055 USE 4342A-001 FICHE 04342-90056 USE 4342A-001 FICHE 04342-90057 USE 4342A-001 FICHE 04342-90058 USE 4342A-001 FICHE 04342-90059
435A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 435A-1 435A-2 435A-U-2 435A-3 435A-U-3 435A-4 435A-U-4 435A-5 CONT'D 435A-6	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032 AUG73 SEP75 SEP76 JAN78 FEB78 JAN78 JUN78 MAY80 OCT84	00435-90011 00435-90018 00435-90032 00435-90032 WA SER 1234A + DOWN. LONG INPT CABLE MOD WN SER BELOW 1527A. RANGE SWTCH SELEC NOB WN SER BELOW 1534U. RANGE SWTCH SELEC NOB WA SER BELOW 1733A. FUSE REPL WA SER BELOW 1731U. FUSE REPL WA SER BELOW 1750A. POWER SUPPLY CROWBAR MOD WA SER 1823U & BELOW. REC PWR SUPPLY CROWBAR MOD WA SER 1629A & BELOW & SER 2004U05330 & BELOW. N CONN MOD TO ALLOW PWR REF OUTPUT COMPAT WITH 8481B & 8482B WN ALL SER. MOD TO IMPR ADJUST RNGE OF 50 MHZ REF OSCIL ASSY	MAY75 00435-90012* NOV80 00435-90020* JAN82 00435-90034	00435-90012* 00435-90020* 00435-90034	01 8L	04 01	03 02	03 02	USE 435A FICHE 00435-90020 USE 435A FICHE 00435-90034
435A-001		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	00435-90011 00435-90018 00435-90032 00435-90032	MAY75 00435-90012* NOV80 00435-90020* JAN82 00435-90034	00435-90012* 00435-90020* 00435-90034	01 8L	04 01	03 02	03 01	USE 435A-001 FICHE 00435-90020 USE 435A-001 FICHE 00435-90034
435A-002		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	00435-90011 00435-90018 00435-90032 00435-90032	MAY75 00435-90012* NOV80 00435-90020* JAN82 00435-90034	00435-90012* 00435-90020* 00435-90034	01 8L	04 01	03 02	03 01	USE 435A-002 FICHE 00435-90020 USE 435A-002 FICHE 00435-90034
435A-003		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	00435-90011 00435-90018 00435-90032 00435-90032	MAY75 00435-90012* NOV80 00435-90020* JAN82 00435-90034	00435-90012* 00435-90020* 00435-90034	01 8L	04 01	03 02	03 01	USE 435A-003 FICHE 00435-90020 USE 435A-003 FICHE 00435-90034
435A-009		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	00435-90011 00435-90018 00435-90032 00435-90032	MAY75 00435-90012* NOV80 00435-90020* JAN82 00435-90034	00435-90012* 00435-90020* 00435-90034	01 8L	04 01	03 02	03 01	USE 435A-009 FICHE 00435-90020 USE 435A-009 FICHE 00435-90034
435A-010		OPER & SERV MAN	JUL74 00435-90011	00435-90011	MAY75 00435-90012*	00435-90012*	01	04	03	USE 435A-010 FICHE 00435-90020	

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435A-002	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	MAY75 00435-90012* 01 04 03 USE 435A-002 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-002 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01
435A-003	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	MAY75 00435-90012* 01 04 03 USE 435A-003 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-003 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01
435A-009	OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032	MAY75 00435-90012* 01 04 03 USE 435A-009 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-009 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01
435A-010	OPER & SERV MAN	JUL74 00435-90011	MAY75 00435-90012* 01 04 03 USE 435A-010 FICHE 00435-90020

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435A-010		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032		NOV80 00435-90020* 8L 01 04 02 USE 435A-010 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01						
435A-011		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032		MAY75 00435-90012* 01 04 03 USE 435A-011 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-011 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01						
435A-012		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032		MAY75 00435-90012* 01 04 03 USE 435A-012 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-012 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01						
435A-013		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL74 00435-90011 APR77 00435-90018 NOV80 00435-90032 AUG81 00435-90032		MAY75 00435-90012* 01 04 03 USE 435A-013 FICHE 00435-90020 NOV80 00435-90020* 8L 01 04 02 USE 435A-013 FICHE 00435-90034 JAN82 00435-90034 8L 01 04 01						
435B		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 425B-1 435B-2	OCT80 00435-90030 JAN83 00435-90035 FEB84 00435-90040 JAN85 00435-90040		JAN83 00435-90031* 8L 01 04 02 USE 435B FICHE 00435-90036 MAR84 00435-90036* 8L 01 04 02 USE 435B FICHE 00435-90042 JUN85 00435-90042 8L 01 04 02 JAN85 JAN83 WA ALL SER.MOD TO PREV ZERO CARRYOVER OFFSET ERRORS OCT84 WN SER 2442A & BELOW.MOD TO IMPR ADJUST RNGE OF 50 MHZ REF OSCIL ASSY						
4350A		OPER & SERV MAN MAN CHANGE	JUL74 04350-99002 JUL77 04350-99002		AUG77 04350-99052 8L 01 33 02						
4350B		OPER & SERV MAN MAN CHANGE	JUL74 04350-99002 JUL77 04350-99002		AUG77 04350-99052 8L 01 33 02						
436A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 436A-1 436A-2 436A-3 CONT'D 436A-4 436A-5 436A-6 436A-7 436A-8 436A-9 436A-10 436A-11	OCT75 00436-90001 APR80 00436-90012 JUL84 00436-90034 MAR85 00436-90034		NOV75 00436-90005* 8L 01 04 05 USE 436A FICHE 00436-90014 AUG84 00436-90014* 8L 01 04 05 USE 436A FICHE 00436-90035 APR85 00436-90035 8L 01 04 05 JUL85 APR76 WA SER BELOW 1505A.REFERENCE OSCIL MOD APR78 WN ALL SER.HP-IB VERFN PGM USING 9825A MAY80 WA SER 1629A01131 & BELOW & SER 1943U00880 & BELOW.N CONN MOD TO ALLOW PWR REF OUTPUT COMPAT WITH 8481B & 8482B MAY82 WN ALL SER.FOR NOISE TRBLSHTG JAN83 WN ALL SER.HP-IB OPT 022 RETROFIT JAN83 WN ALL SER.BCD OPT 024 RETROFIT JAN83 WA SER 2236A & BELOW.MOD OF HP-IB CONN MOUNT AUG83 WO SER 1938A04951 THRU 2101A12441.MOD TO ELIM GRND LOOP PROBLEM OCT84 WN ALL SER.HP-IB VERF PROG FOR HP9836 CONTROLLER OCT84 WN SER 2432A & BELOW.MOD TO IMPR ADJUST RNGE OF 50 MHZ REF OSCIL ASSY NOV84 WO SER 2410A & BELOW.REC MOD WHEN CHNG DISPLAY BD ASSY A1A1						
436A-E40		OPER MAN MAN CHANGE	SEP83 00436-90024 MAR84 00436-90024		AUG84 00436-90029 8L 01 04 02						
438A		SERV NOTE SET BELOW			JUL85						

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MAY80 WA SER 16297J1151 & BELOW & SER 1943U00880 & BELOW.N CONN MOD TO ALLOW PWR REF OUTPUT
COMPAT WITH 8481B & 8482B
MAY82 WN ALL SER.FOR NOISE TRBLSHTG
JAN83 WN ALL SER.HP-IB OPT 022 RETROFIT
JAN83 WN ALL SER.BCD OPT 024 RETROFIT
JAN83 WA SER 2236A & BELOW.MOD OF HP-IB CONN MOUNT
AUG83 WO SER 1938A04951 THRU 2101A12441.MOD TO ELIM GRND LOOP PROBLEM
OCT84 WN ALL SER.HP-IB VERF PROG FOR HP9836 CONTROLLER
OCT84 WN SER 2432A & BELOW.MOD TO IMPR ADJUST RNGE OF 50 MHZ REF OSCIL ASSY
NOV84 WO SER 2410A & BELOW.REC MOD WHEN CHNG DISPLAY BD ASSY A1A1

436A-E40 OPER MAN SEP83 00436-90024 AUG84 00436-90029 8L 01 04 02
MAN CHANGE MAR84 00436-90024

438A SERV NOTE SET BELOW JUL85

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438A		438A-1 438A-2	OCT84	WN SER 2427A & BELOW.MOD TO IMPR ADJUST RNGE OF 50 MHZ REF OSCIL ASSY											
			JAN85	WN ALL SER.REAR PAN INPUT (OPT 002) RETROFIT INSTR											
43805M		OPER & SERV MAN	JAN00	43805-91999	AUG84	43805-90999	8L	01	30	01					
44002B		OPER NOTE	JAN76	44002-90000	JAN76	44002-90050	8L	01	09	01					
44003B		OPER NOTE	JAN76	44003-90000	JAN76	44003-90050	8L	01	09	01					
44012B		OPER NOTE	JAN76	44012-90000	JAN76	44012-90050	8L	01	09	01					
44035A		OPER NOTE OPER NOTE	JUL77	44035-90000	SEP77	44035-90050*	8L	01	09	01	USE 44035A FICHE 44035-90051				
			SEP77	44035-90001	JAN78	44035-90051	8L	01	09	01					
44035B		OPER NOTE OPER NOTE	JUL77	44035-90000	SEP77	44035-90050*	8L	01	09	01	USE 44035B FICHE 44035-90051				
			SEP77	44035-90001	JAN78	44035-90051	8L	01	09	01					
44037A		OPER NOTE	NOV77	44037-90000	JAN78	44037-90050*	8L	01	09	01	NO LONGER AVAILABLE				
44037B		OPER NOTE	NOV77	44037-90000	JAN78	44037-90050*	8L	01	09	01	NO LONGER AVAILABLE				
44055A		OPER NOTE	AUG77	44055-90001	SEP77	44055-90051*	8L	01	09	01	NO LONGER AVAILABLE				
44055B		OPER NOTE	AUG77	44055-90001	SEP77	44055-90051*	8L	01	09	01	NO LONGER AVAILABLE				
44065A		OPER NOTE	OCT75	44065-90001	NOV75	44065-90051	8L	01	09	01					
44065B		OPER NOTE	OCT75	44065-90001	NOV75	44065-90051	8L	01	09	01					
44090A		OPER NOTE	JAN77	44090-90002	FEB77	44090-90052	8L	01	09	01					
44090B		OPER NOTE	JAN77	44090-90002	FEB77	44090-90052	8L	01	09	01					
44095A		OPER NOTE	DEC76	44095-90000	AUG77	44095-90050*	8L	01	09	01	NO LONGER AVAILABLE				
44095B		OPER NOTE	DEC76	44095-90000	AUG77	44095-90050*	8L	01	09	01	NO LONGER AVAILABLE				
44195A		OPER NOTE	SEP77	44195-90000	DEC77	44195-90050*	8L	01	09	01	NO LONGER AVAILABLE				
4425A		OPER NOTE	MAR73	04425-99000	SEP73	04425-99050		01	33	01					
4425B		OPER NOTE	MAR73	04425-99000	SEP73	04425-99050		01	33	01					
4426A		OPER NOTE	MAR73	04426-99000	SEP73	04426-99050		01	33	01					
4426B		OPER NOTE	MAR73	04426-99000	SEP73	04426-99050		01	33	01					
4436A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	JUL76	04436-99001	AUG77	04436-99051*	8L	01	33	01	USE 4436A FICHE 04436-99052				
			JAN78	04436-99002	JUN78	04436-99052*	8L	01	33	01	USE 4436A FICHE 04436-99052				
			NOV81	04436-99002	NOV83	04436-99052	8L	01	33	01					
			SEP83	04436-99002											
4437A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN	OCT72	04437-99001	JAN73	04437-99051*		01	33	01	USE 4437A FICHE 04437-99052				
			AUG76	04437-99002	AUG77	04437-99052*	8L	01	33	01	USE 4437A FICHE 04437-99053				
			NOV81	04437-99003	JUN84	04437-99053	8L	01	33	01					

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4426A	OPER NOTE	MAR73 04426-99000	SEP73 04426-99050	01 33 01	
4426B	OPER NOTE	MAR73 04426-99000	SEP73 04426-99050	01 33 01	
4436A	OPER & SERV MAN	JUL76 04436-99001	AUG77 04436-99051*	8L 01 33 01	USE 4436A FICHE 04436-99052
	OPER & SERV MAN	JAN78 04436-99002	JUN78 04436-99052*	8L 01 33 01	USE 4436A FICHE 04436-99052
	OPER & SERV MAN	NOV81 04436-99002	NOV83 04436-99052	8L 01 33 01	
	MAN CHANGE	SEP83 04436-99002			
4437A	OPER & SERV MAN	OCT72 04437-99001	JAN73 04437-99051*	01 33 01	USE 4437A FICHE 04437-99052
	OPER & SERV MAN	AUG76 04437-99002	AUG77 04437-99052*	8L 01 33 01	USE 4437A FICHE 04437-99053
	OPER & SERV MAN	NOV81 04437-99003	JUN84 04437-99053	8L 01 33 01	

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4437A		MAN CHANGE	APR84	04437-99003	JUN84	04437-99053	8L	01	33	01	
444A		OPER NOTE	JUN72	00444-99005	SEP72	00444-99006		01	04	01	
4440B		OPER & SERV MAN	AUG71	04440-99001	FEB76	04440-99051*	8L	01	33	01	USE 4440B FICHE 04440-99052
		OPER & SERV MAN	OCT75	04440-99002	AUG77	04440-99052*	8L	01	33	01	USE 4440B FICHE 04440-99053
		OPER & SERV MAN	DEC77	04440-99003	DEC77	04440-99053*	8L	01	33	01	USE 4440B FICHE 04440-99053
		OPER & SERV MAN	FEB82	04440-99003	JUN84	04440-99053	8L	01	33	01	
		MAN CHANGE	APR84	04440-99003							
44401A		OPER NOTE	FEB75	44401-99000	SEP85	44401-99050	8L	01	09	01	
44402A		OPER NOTE	FEB75	44401-99000	SEP85	44401-99050	8L	01	09	01	
44403A		OPER NOTE	MAY77	44403-99000	AUG77	44403-99050*	8L	01	09	01	USE 44403A FICHE 44403-99052
		OPER NOTE	NOV77	44403-99002	JAN78	44403-99052	8L	01	09	01	
44404A		OPER NOTE	NOV77	44404-99000	JAN78	44404-99050	8L	01	09	01	
44405A		OPER NOTE	DEC77	44405-99000	JAN78	44405-99050	8L	01	09	01	
44413A		OPER NOTE	NOV77	44413-99000	APR78	44413-99050*	8L	01	09	01	USE 44413A FICHE 44413-99051
		OPER NOTE	OCT79	44413-99001	DEC79	44413-99051	8L	01	09	01	
44416A		OPER NOTE	AUG78	44416-99000	OCT78	44416-99050	8L	01	09	01	
44420A		OPER & SERV MAN	JUN81	44420-99001	AUG81	44420-99051	8L	01	09	01	
44420A-001		OPER & SERV MAN	JUN81	44420-99001	AUG81	44420-99051	8L	01	09	01	
44421A-010		OPER & SERV MAN	AUG81	44421-99001	NOV81	44421-99051	8L	01	09	01	
44422A		SERV NOTE SET BELOW 44432A			OCT82						
			JUN82	WN ALL SER. OPERATIONAL		VERIF PROC OF THERMOCOUPLE					
44422A-020		OPER & SERV MAN	AUG81	44421-99001	NOV81	44421-99051	8L	01	09	01	
44423A		OPER & SERV MAN	JAN82	44423-99000	MAR82	44423-99050*	8L	01	09	02	USE 44423A FICHE 44423-99051
		OPER & SERV MAN	APR83	44428-99001	SEP83	44423-99051	8L	01	09	02	
		MAN CHANGE	JUL83	44423-99001							
44425A		OPER & SERV MAN	MAY81	44425-99001	JUL81	44425-99051	8L	01	09	01	
44426A		OPER & SERV MAN	APR81	44426-99000	JUN81	44426-99050*	8L	01	09	02	USE 44426A FICHE 44426-99051
		OPER & SERV MAN	MAR82	44426-99001	MAY82	44426-99051	8L	01	09	02	
44427A		OPER & SERV MAN	MAR82	44427-99001	MAY82	44427-99051	8L	01	09	02	
		APPLICA NOTE 290-1	SEP81	5952-8880							
44427B		OPER & SERV MAN	MAR82	44427-99001	MAY82	44427-99051	8L	01	09	02	
		APPLICA NOTE 290-1	SEP81	5952-8880							
44428A		OPER & SERV MAN	JAN82	44428-99001	MAR82	44428-99051	8L	01	09	01	
44429A-120		OPER & SERV MAN	APR81	44429-99000	JUN81	44429-99050	8L	01	09	02	

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5088-7049
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44426A	OPER & SERV MAN	MAR82 44426-90001	JUN81 44426-90050* 8L 01 09 02	USE 44426A FICHE 44426-90051
44427A	OPER & SERV MAN APPLICA NOTE 290-1	MAR82 44427-90001 SEP81 5952-8880	MAY82 44427-90051 8L 01 09 02	
44427B	OPER & SERV MAN APPLICA NOTE 290-1	MAR82 44427-90001 SEP81 5952-8880	MAY82 44427-90051 8L 01 09 02	
44428A	OPER & SERV MAN	JAN82 44428-90001	MAR82 44428-90051 8L 01 09 01	
44429A-120	OPER & SERV MAN	APR81 44429-90000	JUN81 44429-90050 8L 01 09 02	

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
44430A-130		OPER & SERV MAN	APR81	44429-90000	JUN81	44429-90050	8L	01	09	02		5105A
44431A-115		OPER & SERV MAN MAN CHANGE	AUG81 NOV81	44431-90000 44431-90000	MAR82	44431-90051	8L	01	09	02		5110A
44432A		OPTION MAN	MAR82	44432-90000	MAY82	44432-90050	8L	01	09	01		
44461A-201		SERV MAN INSTALL & SERV MAN	APR83 MAR84	44461-90000 44461-90001	OCT83 JUN84	44461-90050* 44461-90051	8L	01	09	01	USE 44461A FICHE 44461-90051	
44462A-020		SERV MAN MAN CHANGE	JAN83 APR84	44462-90000 44462-90000	JUN84	44462-90050	8L	01	09	02		5110B
44465A-050		SERV MAN	FEB83	44465-90000	MAY83	44465-90050	8L	01	09	02		515A
44468A		DATA ACQU/CONT UNIT	DEC82	44468-90000	FEB83	44468-90050	8L	01	09	01		5150A
44495A		OPER NOTE MAN CHANGE	AUG82 JUL83	44495-90000 44495-90000	AUG83	44495-90050	8L	01	09	01		
44496A		OPER NOTE OPER NOTE OPER NOTE	AUG80 FEB81 AUG83	44496-90000 44496-90001 44496-90002	NOV80 JUN81 SEP83	44496-90050* 44496-90051* 44496-90052	8L	01	09	01	USE 44496A FICHE 44496-90051 USE 44496A FICHE 44496-90052	
44498A		OPER NOTE OPER NOTE	AUG80 FEB81	44496-90000 44496-90001	NOV80 JUN81	44496-90050* 44496-90051*	8L	01	09	01	USE 44498A FICHE 44496-90051 USE 44496A FICHE 44496-90052	5180A
44527A		OPER NOTE	JAN80	44527-90000	MAY80	44527-90050	8L	01	09	01		
44532A		OPER NOTE OPER NOTE OPER NOTE	DEC78 MAY81 JUN82	44532-90000 44532-90001 44532-90002	MAR79 JUN81 AUG82	44532-90050* 44532-90051* 44532-90052	8L	01	09	01	USE 44532A FICHE 44532-90051 USE 44532A FICHE 44532-90052	
44538A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 44538A/44539A/ 44540A-1	JUN84 AUG84 JAN84	44538-90003 44538-90003 WO SER # NOT APPLICABLE	SEP84 APR84	44538-90053	8L	01	09	02	IMPROV PANEL PLUG TO PADDLE PIN CONN	
44539A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 44538A/44539A/ 44540A-1	JUN84 AUG84 JAN84	44538-90003 44538-90003 WO SER # NOT APPLICABLE	SEP84 APR84	44538-90053	8L	01	09	02	IMPROV PANEL PLUG TO PADDLE PIN CONN	
44540A		SERV NOTE SET BELOW 44538A/44539A/ 44540A-1	JAN84	WO SER # NOT APPLICABLE	APR84						IMPROV PANEL PLUG TO PADDLE PIN CONN	
44547A		TEST FIXTURE VERIF MAN CHANGE	OCT82 AUG85	44547-90000 44547-90000	OCT85	44547-90050	8L	01	09	01		
44593A		OPER NOTE	APR83	44593-90000	MAY83	44593-90050	8L	01	09	01		51800A

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51800A
5181A

44540A	SERV NOTE SET BELOW 44538A/44539A/ 44540A-1	APR84	JAN84	WO SER # NOT APPLICABLE.	IMPROV PANEL PLUG TO PADDLE PIN CONN
44547A	TEST FIXTURE VERIF MAN CHANGE	OCT82 44547-90000 AUG85 44547-90000	OCT85	44547-90050	8L 01 09 01
44593A	OPER NOTE	APR83 44593-90000	MAY83	44593-90050	8L 01 09 01

51800A
5181A

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
446B		OPER NOTE	DEC66	00446-90001	OCT83	00446-90002	8L	01	04	01	
4470A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4470A-1 4470A-2 4470A-4 4470A-5 4470A-6 4470A-7/4470B-1 4470A-8	OCT69 APR71	04470-99001 04470-99001	AUG71	04470-99051		01	33	05	
					MAY78						
			FEB70	WA SER 851-,852-,909-,910-.MOD TO RED LO FREQ NOISE							
			JUN70	WA SER BELOW 944.MOD TO RED EXCESS NOISE AT 1 MHZ							
			AUG70	WA SER BELOW 944.MODIFICATION TO REDUCE EXCESS NOISE AT 1 MHZ							
			AUG70	WA SER BELOW 944.MOD TO SUPPRESS PARASATIC OSCIL AT 10 HZ OR 30 HZ.SUPER 4470A-3							
			SEP70	WA SER BELOW 944.MOD TO STABILIZE PERFORMANCE AT 100 HZ							
			MAR71	WO SER BELOW 1024J.MOD TO RED EXCESSIVE INTERNAL NOISE							
			JUN71	WA SER 851 TO 1106.MOD & CALIB PROCEDURE							
4470B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4470A-7/4470B-1	SEP70 APR71	04470-99100 04470-99100	FEB76	04470-99150	8L	01	33	03	
					MAY78						
			MAR71	WO SER BELOW 1024J.MOD TO RED EXCESSIVE INTERNAL NOISE							
448A		OPER NOTE MAN CHANGE	JUL71 FEB75	00448-90003 00448-90003	MAY80	00448-90004	8L	01	04	01	
45D		INSTR & OPER MAN	DEC60	00045-91367	OCT74	00045-90057		01	11	01	
456A		OPER & SERV MAN	SEP73	00456-90004	DEC73	00456-90054		01	09	01	
457A		OPER & SERV MAN MAN CHANGE	DEC67 OCT69	00457-9002 00457-9002	SEP82	00457-9003	8L	01	02	01	
461A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 461A-1A 461A/462A-2 461A/462A-1 461A/462A-3	JAN75 DEC79	00461-90006 00461-90006	FEB80	00461-90056	8L	01	09	02	
					MAY78						
			JUN67	SER BELOW 418-00700.Q4 THRU Q8 REPL							
			APR66	NOISE ELIMINATION PROCEDURE							
			-	NOT AVAILABLE							
			JUL74	WN SER 0946A04790 + DOWN.GAIN BANDWIDTH IMPROVEMENT							
462A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 461A/462A-2 461A/462A-1 461A/462A-3	JAN75 DEC79	00461-90006 00461-90006	FEB80	00461-90056	8L	01	09	02	
					MAY78						
			APR66	NOISE ELIMINATION PROCEDURE							
			-	NOT AVAILABLE							
			JUL74	SER 0647A01625 + DOWN.GAIN BANDWIDTH IMPROVEMENT							
463A		OPER & SERV MAN SERV NOTE SET BELOW 463A-1 463A-2 463A-3A-S 463A-4 463A-5 463A-6 463A-7A	OCT71	00463-90002	JUL72	00463-90052		01	09	02	
					MAY78						
			FEB67	SER BELOW 624-00150.A1CR1,A1CR2 REPL							
			FEB67	RANGE SWITCH ALIGN TO ELIM PUSHBUTTONS FROM STICKING							
			JAN77	WN SAFETY.ALL SER. SAFETY HAZARD ELIM							
			MAR68	SER BELOW 738-00340.A3Q4,A3Q6 REPL							
			-	NOT AVAILABLE							
			JUL71	WN PREVENTION OF OSCILLATIONS							
			JUL75	WN SAFETY.SHOCK HAZARD REVISION							
465A		OPER & SERV MAN MAN CHANGE	DEC74 DEC79	00465-90003 00465-90003	FEB80	00465-90053	8L	01	09	01	

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5181A

5182A

51820A

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520A

5201L

5201L-01

5201L-02

5201L-03

5201L-04

5202L

5202L-01

5202L-02

5202L-03

5202L-04

5203L

5203L-02

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
465A		SERV NOTE SET BELOW	APR79								

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5203L-02

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465A

OPER & SERV MAN
MAN CHANGE

DEC74 00465-90003
DEC79 00465-90003

FEB80 00465-90053 8L 01 09 01

5202L-04

5203L

5203L-02

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465A

SERV NOTE SET BELOW

APR79

465A-1

APR66

SER BELOW 530-00410.REPL C8 TO INCR GAIN ACCUR AT 5 HZ

465A-2

-

NOT AVAILABLE

465A-3A

MAR75 WO Q6 RECOMMENDED REPLACEMENT

465A-4

JUL74 WN SER BELOW 0970A03785.HARMONIC DIST

465A-5

JUN78 WN SER 0970A05055 & BELOW.REC REPL FOR R28

465A-6

DEC78 WO SER BELOW 0970A05175.REC REPL FOR TRANSISTOR Q9.

466A

OPER & SERV MAN
MAN CHANGE

AUG69 00466-90003

DEC81 00466-90053 8L 01 09 01

SERV NOTE SET BELOW

JAN79

466A-1A

- AC PWR SUPPLY INSTALLATION

466A-2

- SER BELOW 019-00300.REDUCTION OF DIST

467A

OPER & SERV MAN
MAN CHANGE

AUG69 00467-90003

MAR80 00467-90053 8L 01 09 01

SERV NOTE SET BELOW

OCT80

467A-1

MAY70 WO SER BELOW 949-02245.REC REPL FOR A1CR114,A1CR107 FOR IMPR OUTPT CURRENT LIMITING

467A-2

JUN74 WN SER BELOW 0994A03170.CROSSOVER DIST

467A-3

JUN78 WN SER 0994A03870 & BELOW.REC REPL FOR R1

467A-4

MAY80 SER 0994A04125 & BELOW.REC REPL PARTS FOR Q1-Q4

475A

OPER & SERV MAN

APR50 475A-501A

FEB79 5951-6225 8L 01 04 01

475B

OPER & SERV MAN

AUG56 475B-900

MAR76 00475-90001 8L 01 04 01

476A

OPER NOTE

MAY66 00476-90003

OCT70 00476-90005 01 04 01

477B

OPER NOTE
MAN CHANGE

OCT65 477B-900

JAN75 00477-90001 01 04 01

SERV NOTE SET BELOW

APR79

477B-1F

- DISASSY,ASSY,+ TESTING PROCEDURE

477B-2

JAN74 WN ALL SER.RF CONN + THERMIS ASSY REPL

478A

OPER NOTE
OPER & SERV MAN

NOV77 00478-90016

MAY82 00478-90017* 8L 01 04 01 USE 478A FICHE 00478-90020

SERV NOTE SET BELOW

MAY85 00478-90019

SEP85 00478-90020 8L 01 04 01

478A-1D

OCT78 WO ALL SER.THERM ASSY REPL PROC.

NG THE THERMISTOR ASSEMBLY

478A-2A

OCT78 WO SER BELOW 49673.RF CONN ASSY REPL

478A-3

SEP78 WN SER BETWEEN 49673 & 65600.GROUND MOD TO PREVENT CURR FLOWING THRU THERMISTOR.

4800A

OPER & SERV MAN
MAN CHANGE

MAY68 04800-91014

JAN76 04800-91019 8L 01 21 02

SERV NOTE SET BELOW

MAY78

4800A-1

- SER 630 TO 805.REC SERVICE PROCEDURE

4800A-2

FEB68 WO SER BELOW 805-.MOD KIT FOR REPL OF THERMISTOR A17R14

4800A-3

JUN69 MOD TO UP PWR-ON INDICATOR LIFETIME

4800A-4

OCT69 WO SER BELOW 805-.MOD TO ELIM ERRATIC OPER DUE TO POWER SUPPLY LOADING

4801A

OPER & SERV MAN
MAN CHANGE

MAY68 04800-91014

JAN76 04800-91019 8L 01 21 02

SERV NOTE SET BELOW

MAY78

4801A-1

JAN68 SER BELOW 640-.PREF REPL FOR Q3 & L6

4801A-2

- SER BELOW 802-00569.MOD TO STOP METER OSCILLATION

4801A-3

- TRBLSHTG HINT (PROTECTIVE DIODES)

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5203L-03

521 SERIES

521A/C/D/E

5210A

5210B

52102A

52103A

52105A

5211A

5211B

52110A

5212A

5212A-02

5212A-03

52121A

52122A

52126A

5214L

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4801A

4801A-4

- SER BELOW 802-.MAGNETIC SHIELD FOR KI

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5214L

4800A-4 OCT69 WO SER BELOW 805-.MOD TO ELIM ERRATIC OPER DUE TO POWER SUPPLY LOADING

4801A OPER & SERV MAN MAY68 04800-91014 JAN76 04800-91019 8L 01 21 02
 MAN CHANGE SEP75 04800-91014
 SERV NOTE SET BELOW MAY78
 4801A-1 JAN68 SER BELOW 640-.PREF REPL FOR Q3 & L6
 4801A-2 - SER BELOW 802-00569.MOD TO STOP METER OSCILLATION
 4801A-3 - TRBLSHTG HINT (PROTECTIVE DIODES)

52122A
 52126A
 5214L

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4801A		4801A-4	-			SER BELOW 802-.MAGNETIC SHIELD FOR KI					
4815A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 4815A-1 4815A-2 4815A-3 4815A-4 4815A-5 4815A-6	AUG66 SEP75	04815-90011 04815-90011	JAN85	04815-90170	8L	01	21	03	
					MAY78						
						MOD KIT TO PROVIDE IMPR PROBE CENTR PIN.ALSO USED WITH TYPE 00601A COMPON MNTG ADAPT					
						CIR CHNG WHEN REPL TRANS & STOP METER OSCILLATION					
						SER BELOW 740-.MOD TO IMPR ALC BANDWIDTH CONTROL					
			SEP70	WO		SER BELOW 840-.PREF REPL DIODE A2CR3					
			JUN69			PREF TRANS REPL					
			NOV72	WN		IMPED & PHASE ACCUR CK FIXTURE CHANGE					
485B		OPER NOTE	FEB69	00485-90005	NOV85	00485-90006	8L	01	04	01	
486A		OPER NOTE OPER & SERV MAN	MAR71 JUL78	00486-90019 00486-90023	APR71 NOV78	00486-90020* 00486-90024		01	04	01	USE 486A FICHE 00486-90024
487B		SERV NOTE SET BELOW X-487B-1A			APR79						
						METHOD FOR TESTING + REPL THERMISTOR					
489A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 489A-7/491C-7 489A-8/491C-8	AUG70 APR82	00489-90006 00489-90006	MAY85	00489-90007	8L	01	45	02	
					APR79						
					OCT75	WN ALL SER.IMPR TMT INSTALL.SUPERSEDES ALL PREV SERVICE NOTES					
					OCT76	WN ALL SER.REPLACEMENT OF RELAY K2					
490A		OPER & SERV MAN	AUG62	490A-900	APR81	5951-6227	8L	01	04	01	
490B		OPER & SERV MAN MAN CHANGE	SEP60 JUL62	490B-900 490B-900	APR81	5951-6228	8L	01	04	01	
4900A		OPER MAN MAINT MAN SERV MAN SERV MAN	SEP73 AUG68 JUL76 FEB82	04900-90003 04900-90000 04900-90012 04900-90014	FEB85 APR71 NOV77 SEP83	04900-90010 04900-90011* 04900-90013* 04900-90015	8L	01	38	01	USE 4900A FICHE 04900-90013 USE 4900A FICHE 04900-90015
4901A		OPER MAN MAINT MAN SERV MAN SERV MAN	SEP73 AUG68 JUL76 FEB82	04900-90003 04900-90000 04900-90012 04900-90014	FEB85 APR71 NOV77 SEP83	04900-90010 04900-90011* 04900-90013* 04900-90015	8L	01	38	01	USE 4901A FICHE 04900-90013 USE 4901A FICHE 04900-90015
4904A		SERV MAN OPER MAN SERV MAN SERV NOTE SET BELOW 4904A-1-S	NOV70 OCT72 SEP83	04904-90012 04904-90011 04904-90024	SEP75 SEP73 DEC83	04904-90013* 04904-90018 04904-90023	8L	01	38	02	USE 4904A FICHE 04904-90023
					JUL84						
			APR84	WA		SAFETY:SER 2023A9655 & BELOW.TEST FOR POT HAOCK HAZ SUPERSEDED BY 4904A-1-S					
4905A		OPER & SERV MAN OPER & SERV MAN	AUG77 JAN83	04905-90005 04905-90008	AUG77 SEP83	04905-90007* 04905-90009	8L	01	38	01	USE 4905A FICHE 04905-90009
491A		OPER & SERV MAN SERV NOTE SET BELOW 491A-1B 491A-2	MAR61 NOV65	491A-500A -	MAY71 APR79	00491-90002		01	45	01	
						SER 130 + DOWN.PROC TO USE NEW TWT PROC TO INSTALL REPL ELECTROMAGNET					

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5214L
 5214L-02
 5214L-03
 5216A
 522A
 522B
 5221A
 5221B
 5223L
 5223L-02
 5223L-03
 523B

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
491A		491A-3	-			NOT AVAILABLE					
491C		OPER & SERV MAN MAN CHANGE	AUG70 APR82	00489-90006 00489-90006	MAY85	00489-90007	8L	01	45	02	

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523B

4905A	OPER & SERV MAN OPER & SERV MAN	AUG77 04905-90005 JAN83 04905-90008	AUG77 04905-90007* 8L 01 38 01 SEP83 04905-90009 8L 01 38 01	USE 4905A FICHE 04905-90009
491A	OPER & SERV MAN SERV NOTE SET BELOW 491A-1B 491A-2	MAR61 491A-500A NOV65 -	MAY71 00491-90002 01 45 01 APR79 SER 130 + DOWN.PROC TO USE NEW TWT PROC TO INSTALL REPL ELECTROMAGNET	

5223L-02	0
5223L-03	0
523B	S 5 5

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RANGE

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***			
491A		491A-3	-	NOT AVAILABLE								
491C		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 489A-7/491C-7 489A-8/491C-8	AUG70 APR82	00489-90006 00489-90006	MAY85	00489-90007	8L	01	45	02		
			OCT75	WN ALL SER.	IMPR TWT INSTALL.	SUPERSEDES ALL PREV SERVICE NOTES						
			OCT76	WN ALL SER.	REPLACEMENT OF RELAY K2							
4910A		PRELIM MAN INSTR MAN	AUG73 AUG73	04910-90000 04910-90029	SEP73	04910-90028* 04910-90030	01	38	01	USE 4910B FICHE 04910-90007		
4910B		OPER MAN SERV MAN MAN CHANGE SERV NOTE SET BELOW 4910B-1	AUG73 JAN71 JAN00	04910-90004 04910-90005 04910-90005	OCT84 APR71	04910-90007 04910-90008	8L	01	38	01 02		
			JAN79	JAN79								
			AUG70	WN MOD TO RED AC I/O ON OPEN FAULT MEAS								
4910C		OPER MAN SERV MAN MAN CHANGE	AUG73 JAN71 JAN00	04910-90004 04910-90005 04910-90005	OCT84 APR71	04910-90007 04910-90008	8L	01	38	01 02		
4910F		OPER MAN SERV MAN SERV NOTE SET BELOW 4910F-3	AUG74 MAR77	04910-90010 04910-90011	FEB85 NOV85	04910-90020 04910-90021	8L	01	38	01 02		
			JUL81	JUL81								
			MAR81	WO SER 1146A06470 & BELOW.REC REPL OF 4 TIER POT								
4910G		OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 4910G-1 4910G-2 4910G-3 4910G-4	MAR77 FEB83	04910-91002 04910-91035	JAN78 SEP83	04910-91003* 04910-91036	8L	01	38	03 03	USE 4910G FICHE 04910-91036	
			APR84	APR84								
			SEP77	WO SER 1636A01011 & BELOW.MOD TO ADD PROTECTION TO FORM C RELAY.								
			JAN78	WA SER 1636A00205 & BELOW.MOD TO IMPROVE XTAL OSC.								
			MAY78	WN ALL SER.REC INSTALL OF BATTERY SUPPORT PLATE								
			DEC83	WN SER 1636A00525 & BELOW.12-VOLT BATT MOD								
4912F		OPER MAN SERV MAN MAN CHANGE	SEP73 MAY77 JUN77	04912-90004 04912-90019 04912-90019	SEP73 JUL77	04912-90005 04912-90020	01	38	01 01			
4913A		OPER MAN MAN CHANGE SERV MAN	MAY73 JUL73 JUN74	04913-90001 04913-90001 04913-90003	NOV85 AUG74	04913-90002 04913-90004	8L	01	38	01 02		
4914A		SERV MAN MAN CHANGE	MAY72 JAN77	04914-90003 04914-90003	NOV77	04914-90004	8L	01	38	01		
4916A		OPER & SERV MAN	SEP77	04916-90000	NOV77	04916-90006	8L	01	38	01		
4917A		OPER & SERV MAN MAN CHANGE	JAN74 MAR75	04917-90000 04917-90000	JUN75	04917-90004	01	38	01			
4918A		OPER & SERV MAN MAN CHANGE	JUL70 JUN77	04918-90006 04918-90006	NOV77	04918-90010	8L	01	38	01		
492A		OPER & SERV MAN OPER & SERV MAN	OCT56 OEC59	492A/494A-501A 492A/494A-501B	FEB79	5951-6229	8L	01	45	03	SER 5 & ABOVE (BUT BELOW SER PFX 947-) SER PFX 947- TO SER PFX 010-	

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523B	52 52 52 52 52 52
523C	OP MA AC AC
523CR	SE 52 52 52
523D	OP MA AC AC
523DR	SE 52 52 52
5232A	OP MA SE 52 52
5232A-02	OP MA
5232A-03	OP MA
5233L	OP SE 52 52
5233L-02	OP
5233L-03	OP
524A	OP SE

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
492A		MAN CHANGE MAN SUPP OPER & SERV MAN MAN CHANGE	FEB61 JUN69 JAN62 JAN63	492A/494A-501B 492A/494A-501B 492A/494A-900 492A/494A-900	FEB79	5951-6229	8L	01	45	03	SER PFX 010- & ABOVE

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524A	M-4 524 524 524 524

4937A-1 NOV84 WO SER 2418 & BELOW.MOD TO IMPR THE HOLD CIR
 4937A-2 JUL85 WN SER 2523A & BELOW.SERV THE RETROFIT INSTRUM

4938A OPER & SERV MAN SEP84 04938-90003 OCT84 04938-90004 8L 01 38 02

5241B MAN C
 5242L OPER

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4938A		SERV NOTE SET BELOW 4938A-1	JAN85	WA SER 2450A & BELOW	JUL85						
494A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN SUPP OPER & SERV MAN MAN CHANGE	OCT56 OEC59 FEB61 JUN69 JAN62 JAN63	492A/494A-501A 492A/494A-501B 492A/494A-501B 492A/494A-501B 492A/494A-900 492A/494A-900	FEB79	5951-6229	8L	01	45	03	SER 5 & ABOVE (BUT BELOW SER PFX 947-) SER PFX 947- TO SER PFX 010- SER PFX 010- & ABOVE
4940A		OPER MAN MAN CHANGE SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 4940A-1 4940A-2 4940A-3A 4940A-4 4940A-5 4940A-6 4940A-7 4940A-8 4940A-9 4940A-10-S 4940A-11 4940A-12 4940A-13A 4940A-14 4940A-15 4940A-16	JUL76 JAN77 MAY77 OCT82 JUN74 SEP74 NOV77 DEC74 MAR75 JUL75 JUL75 AUG75 AUG75 APR76 MAY76 JUN77 MAY79 NOV77 APR79 OCT82	04940-90010 04940-90010 04940-90012 04940-90043 WA SER BELOW 1401A-00146.MOD TO IMPR PERF OF THE IMPULSE NOISE THRESHOLD MEASUREMENT WA SER BELOW 1401A-00183.MOD TO IMPR PWR SUPY RELIABILITY WO SER BELOW 1401A00300.MOD TO IMPR PWR SUPY RELIABILITY WO SER BELOW 1401A-00116.MOD TO IMPR TRANSMITTER HARMONIC SUPPRESSION WO SER BELOW 1401A-00325.MOD TO STOP A POTENTIAL AUTO-STEP LOCK-UP PROBLEM WA SER BELOW 1401A-00492.MOD TO STOP A POTENTIAL NOISE MEAS PROBLEM,4940A WA SER BELOW 1401A-00555.MOD TO STOP ERRATIC COUNTS OF IMPULSE NOISE IN BELL STAND MODE WN SER BELOW 1401A-00555.MOD TO STOP A POTENT HI FREQ OSCIL IN NON-LINEAR DISTORT MODE WN SER BELOW 1401A00555.MOD TO PREVENT POT ENV DELAY ZEROING PROB WA SAFTY.SER BELOW 1401A-00682.REVISION TO ELIMINATE A POTENTIAL SHOCK HAZARD WN SER BELOW 1401A00780.CHNG IN DROPOUT DURATION SPEC WN ALL SER.FIELD INSTAL OF OPT H02 (TRANSIENT OUTPUTS) WO SER 1401A-01234 & BELOW.REC MOD TO IMPR POWER SUPPLY REL WO SER BELOW 1401A01131.RECEIVER INPUT IMPR WN MOD TO IMPROVE LOW FREQ PHASE JITTER MEASUREMENT. WO SER 1401A & BELOW.PWR SUPPLY IMPRE AND MINI REPAIR	NOV77 JUN77 OCT83 JAN83	04940-90011 04940-90013* 5957-4414	8L 8L 8L	01 01 01	38 38 38	02 08 06	USE 4940A FICHE 5957-4414
4942A		OPER & SERV MAN MAN CHANGE OPER INSTRUCT SERV NOTE SET BELOW 4942A-1 4942A-2 4942A-3 4942A-4A 4942A-5 4942A-6 4942A-7 4942A-8	DEC76 JUL77 MAY76 DEC76 MAY77 JUL77 JUL80 MAY80 JUL80 JUL80 DEC81 APR82	04942-90002 04942-90002 04942-90001 WN ALL SER.FIELD INSTAL OF OPT 010 (HP-IB) WO SER BELOW 1624A00182.ACTIVE HOLD CIRCUITRY IMPRS WO SER BELOW 1624A00197.ENV DELAY IMPR WN ALL SER.A6 OR A17 RF CABLE REPL COMPATIBILITY WN ALL SER.A6 OR A17 RF CABLE REPL COMPATIBILITY WN ALL SER.A4,A5,A6, OR A17 BD RF CABLE COMPATIBILITY WN ALL SER.A4-A5 RF CABLE REPL COMPATIBILITY WN ALL SER.MOD TO A8 MODEM ASSY TO ENSURE VALID MODEM SELF CHECK WN ALL SER.A23 PWR SUPPLY MOD TO IMPR PERFORM	NOV77 NOV84 OCT82	04942-90003 04942-90032	8L 8L	01 01	38 38	05 01	
4943A		OPER & SERV MAN MAN CHANGE OPER NOTE SERV NOTE SET BELOW 4943A-2 4943A-3 4943A-4 4943A-5 4943A-5A	MAY78 MAR82 JAN78 SEP79 SEP79 NOV79 MAY80 JUL80	04943-90002 04943-90002 04943-90026 WN ALL SER.INSTRUCT FOR FIELD INSTALL OF OPT 010 (HP-IB) WO SER 1731A00205 & BELOW.MOD TO CORRECT A8 MODEM DUTY CYCLE WA SER 1731A00254 & BELOW.MOD TO IMPROVE PERF WN SER 1731A00290 & BELOW.A6 OR A17 RF CABLE REPL COMPATIBILITY WN SER 1731A00290 & BELOW.A3,A5,A6,OR A17 BD RF CABLE COMPATIBILITY	MAY82 JAN79 OCT82	04943-90003 04943-90027	8L 8L	01 01	38 38	05 01	WITH 9825A CONTROLLER

11/08/85 MODEL NUMBER O C
 5242L MAN C
 5242L-02 OPER MAN C
 5242L-03 OPER MAN C
 5243L OPER SERV 5243L 5243L 5243L
 5243L-02 OPER
 5244L OPER MAN C SERV 5242L CONT 5244L 5244L 5244L
 5244L-02 OPER MAN C
 5244L-03 OPER MAN C
 5245L OPER MAN C OPER MAN C OPER MAN C OPER MAN C SERV 5243L 5244L 5245L 5245L 5245L 5245L
 5245L-002 OPER

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 209
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4943A		4943A-7 4943A-8A 4943A-9 4943A-10 4943A-11	MAR80 JUL80 JUN80 DEC81 APR82	WO SER 1731A00240 & BELOW.MOD TO IMPROVE PERF & PREVENT INTERMITTANT LEVEL DROPOUT WN SER 1731A00290 & BELOW.A6 OR A17 RF CABLE REPL COMPATIBILITY WA SER 1731A00254 & BELOW, OPT 010.REC PARTS REPL TO IMPROVE PERF DURING HP-IB OPER WO SER 2015A00446 & BELOW.MOD TO A8 MODEM ASSY TO ENSURE VALID MODEM SELF CHECK WO SER 2215A & BELOW.A23 PWR SUPPLY MOD TO IMPROPERFORM							
4943A-010		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	

11/08/85 MODEL NUMBER O C
 5245L-002 MAN CH
 5245L-003 OPER MAN CH
 5245L-02 OPER

4943A-7
4943A-5
4943A-3A

NOV79 WA SER 1731A00294 & BELOW.MOD TO IMPROVE PERF
MAY80 WN SER 1731A00290 & BELOW.A6 OR A17 RF CABLE REPL COMPATIBILITY
JUL80 WN SER 1731A00290 & BELOW.A3,A5,A6,OR A17 BD RF CABLE COMPATIBILITY

5245L-002 OPER & SERV MAN

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 209
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4943A		4943A-7 4943A-8A 4943A-9 4943A-10 4943A-11	MAR80	WO SER 1731A00240 & BELOW.MOD TO IMPROVE PERF & PREVENT INTERMITTANT LEVEL DROPOUT							
			JUL80	WN SER 1731A00290 & BELOW.A6 OR A17 RF CABLE REPL COMPATIBILITY							
			JUN80	WA SER 1731A00254 & BELOW, OPT 010.REC PARTS REPL TO IMPROVE PERF DURING HP-1B OPER							
			DEC81	WO SER 2015A00446 & BELOW.MOD TO A8 MODEM ASSY TO ENSURE VALID MODEM SELF CHECK							
			APR82	WO SER 2215A & BELOW.A23 PWR SUPPLY MOD TO IMPROPERFORM							
4943A-010		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	
4943A-012		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	
4943A-015		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	
4943A-019		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	
4943A-910		OPER & SERV MAN	MAY78	04943-90002	MAY82	04943-90003	8L	01	38	05	
4944A		OPER & SERV MAN OPER NOTE OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW	SEP78	04944-90002	JAN79	04944-90003*	8L	01	38	05	USE 4944A FICHE 04944-90913
			FEB78	04944-90009	JAN79	04944-90011	8L	01	38	02	WITH 9825A CONTROLLER
			DEC81	04944-90012	NOV82	04944-90013*	8L	01	38	05	USE 4944A FICHE 04944-90015
			AUG82	04644-90014	DEC82	04944-90015	8L	01	38	05	SEE TITLE PAGE FOR OPITONS
					JUL85						
			OCT79	WN ALL SER.FIELD INSTALL OF OPT 010							
			NOV79	WA SER 1737A00476 & BELOW.MOD TO IMPROVE PERF							
			SEP79	WO SER 1737A00328 & BELOW.MOD TO CORRECT A8 MODEM DUTY CYCLE							
			MAY80	WN SER 1737A00570 & BELOW.A6 OR A17 RF CABLE REPL COMPATIBILITY							
			JUL80	WN SER 1737A00570 & BELOW.A4-A5 RF CABLE REPL COMPATIBILITY							
			MAR80	WO SER 1737A00481 & BELOW.MOD TO IMPROVE PERF & PREVENT INTERMITTENT LEVEL DROPOUT							
			JUL80	WN SER 1737A00570 & BELOW.A7 OR A17 RF CABLE REPL COMPATIBILITY							
			JUL80	WN SER 1737A00570 & BELOW.A3,A4,A5,A6, OR A17 BD RF CABLE COMPATIBILITY							
			DEC81	WO SER 2027A01021 & BELOW.MOD TO A8 MODEM ASSY TO ENSURE VALID MODEM SELF CHECK							
			FEB85	WA SER 2027A008999 & BELOW.SELF CHECK FAILURE UNDER COOL/DAMP CONDITIONS							
4945A		OPER MAN SERV MAN MAN CHANGE OPER INSTRU SUMMARY SERV MAN MAN CHANGE OPER MAN SERV NOTE SET BELOW	NOV83	04945-90001	JAN84	5957-4434 *	8L	01	38	03	USE 4945A FICHE 04945-90024
			NOV83	04945-90005	NOV84	5957-4424 *	8L	01	38	10	USE 4945A FICHE 04945-90022
			MAY85	5957-4453	JUL85	04945-90022	8L	01	38	10	
			NOV83	04945-90010	JAN84	04945-90011	8L	01	38	01	
			MAY85	04945-90021	JUL85	04945-90022	8L	01	38	10	
			MAY85	5957-4453							
			MAY85	04945-90023	JUL85	04945-90024	8L	01	38	03	
					JUL85						
			NOV84	WA SER 2435A & BELOW.MOD TO PREV PWR SUPPLY REGLT FROM SHORTING TO CHASSIS							
			JAN85	WA PWR SUPPLY MOD TO IMPROV PERF							
			JAN85	WA SER 2435 & BELOW.SOFTWARE UPGRADE REV 2.0							
			FEB85	WN SERV KIT MOD							
495A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	AUG66	00493-90004	FEB85	00493-90006	8L	01	45	02	
			APR73	00493-90004							
					OCT79						
			OCT75	ALL SER.IMPR TWT INSTAL.SUPERSEDES ALL PREV SERVICE NOTES							
			OCT76	WN ALL SER.REPLACEMENT OF RELAY K2							
			JUN79	WO SER 826-01311 THRU 1717A.MOD TO PREVENT ARCING IN HI VOLT CIRCUITS.							
4950A		PRELIM MAN	AUG73	04950-90000	NOV85	04950-90003	8L	01	38	01	
4951A		SERV MAN	APR84	04951-90002	JUL84	04951-90005	8L	01	38	04	

11/08/85 MODEL NUMBER	O C	LIT
5245L-002		MAN CHA MAN CHA
5245L-003		OPER & MAN CHA MAN CHA
5245L-02		OPER & MAN CHA
5245L-03		OPER & MAN CHA
5245M		OPER MA SERV MA MAN CHA
5245M-J35		SERV MA MAN CHA
5245M-J36		SERV MA MAN CHA
5245M-02		SERV MA MAN CHA
5245M-03		SERV MA MAN CHA
5245M/5248M		SERV NO 5245M-1
5246L		OPER MA SERV MA MAN CHA
5246L-01		SERV MA MAN CHA
5246L-02		SERV MA MAN CHA
5246L-03		SERV MA MAN CHA
5246L-04		SERV MA MAN CHA
5246L-05		SERV MA MAN CHA
5246L-06		SERV MA MAN CHA
5247M		SERV MA

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 210
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
4951A		OPER MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW	APR84	04951-90003	JUN84	04951-90004	8L	01	38	04	
			MAY84	04951-90003							
			SEP84	04951-90008	NOV84	04951-90009	8L	01	38	04	
					OCT85						
			NOV84	WA SER 2435A & BELOW.MOD TO PREV PWR SUPPLY REGLT FROM SHORTING TO CHASSIS							
			AUG84	WO SER 2426 & BELOW.IMPR HOLE DETECTION CIRCUITRY ON TAPE OPT DB'S							
			OCT84	WO SER 2426A01325 & BELOW.IMPR KEYBD CABLE							
			OCT84	WA ALL SER.I/O POD CAUTION LABEL							
			NOV84	WA SER 2443A & BELOW.REC PROC TO CORREC TAPE SERVO ERROR							
			NOV84	WA SER 2431A & BELOW.REC PROC TO CORRECT TAPE SERVO ERROR							

11/08/85 MODEL NUMBER	O C	LIT
5247M		MAN CHA OPER MA
5247M-01		SERV MA MAN CHA
5247M-02		SERV MA MAN CHA

11/08/85
MODEL
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

4951A	OPER MAN MAN CHANGE OPER & SERV MAN SERV NOTE SET BELOW	APR84 04951-90003 MAY84 04951-90003 SEP84 04951-90008	JUN84 04951-90004 NOV84 04951-90009	8L 01 38 04 8L 01 38 04			
	4951A-1 4951A-2 4951A-3 4951A-4 4951A-5 4951A-6 4951A-7 4951A-8B 4951A-9 4951A-10A 4951A-11 4951A-12 4951A-13 4951A-14 4951A-15	NOV84 WA SER 2435A & BELOW.MOD TO PREV PWR SUPPLY REGLT FROM SHORTING TO CHASSIS AUG84 WO SER 2426 & BELOW.IMPR HOLE DETECTION CIRCUITRY ON TAPE OPT DB'S OCT84 WO SER 2426A01325 & BELOW.IMPR KEYBD CABLE OCT84 WA ALL SER.I/O POD CAUTION LABEL NOV84 WA SER 2443A & BELOW.REC PROC TO CORREC TAPE SERVO ERROR NOV84 WA SER 2426A & BELOW.PROC TO REWIRE THE PWR SWTCH JAN85 WA SERV2443A02576 & BELOW.SCC RETROFIT KIT JUL85 WA SER 2443A2722 & BELOW.IMPR CARRYING HANDLE FEB85 WN ALL SER.FINAL TEST PROC MAY85 WA SER 2443A & BELOW.SOFTWARE REV APR85 WA SER 2508A TO 2508A03900.UPDATE TO SOFTWARE REV 2.0 NOTIF OF SOFTWARE REV 2.1 MAY85 WA SER 2508A03891 & BELOW.MOD TO CORREC INTERMITTENT "SERVO ERROR" MESSAGE MAY85 WA SER 2508A & BELOW.MOD TO PREVENT BERT ERRORS JUL85 WA SER 2528A & BELOW.MOD TO PREVENT READ AMPLF ERRORS JUL85 WA TAPE DRIVE ASSY MOD					
4953A	OPER MAN REPAIR MAN OPER MAN SERV NOTE SET BELOW	SEP84 04953-90005 SEP84 04953-90014 JUN85 04953-90020	JUN85 04953-90006* NOV84 04953-90016 AUG85 04953-90022	8L 01 38 05 8L 01 38 02 8L 01 38 05	USE 4953A FICHE 04953-90022		
	4953A-1A 4953A-2 4953A-3 4953A-4 4953A-5 4953A-6	MAY55 WA SER 2441A00326 & BELOW (SEE NOTE).MOD TO FIX HANDLE MNTG RAILS FEB85 WN SER 2441A & BELOW (SEE NOTE).PWR SUPPLY MOD TO IMPROV PERF JAN85 WN SER 2441A & BELOW (SEE NOTE). 2.1 FIRMWARE UPDATE FEB85 WA SER 2441A00291 & BELOW (SEE NOTE).A6 & A19 MEMORY BD U707 IC CHANGE MAY85 WA SER 2516A00576 & BELOW.AC LINE SWTCH REPL JUN85 WA SER 2552A00626 & BELOW.DEF EPROMS					
4955A	SERV MAN QUICK REF GUIDE OPER & PROG MAN OPER & PROG MAN OPER & PROG MAN SERV NOTE SET BELOW	AUG83 04955-90004 AUG83 04955-90005 JUL83 04955-90015 JUL84 04955-90024 MAR85 04955-90029	OCT83 5957-4415 JAN84 04955-90006 SEP83 04955-90016 JAN85 04955-90025* JUN85 04955-90030	8L 01 38 06 8L 01 38 01 8L 01 38 03 8L 01 38 03 8L 01 38 03	USE 4955A FICHE 04955-90030		
	4955A-1B 4955A-2B 4955A-3 4955A-4 4955A-5 4955A-6 4955A-7A 4955A-8 4955A-9 4955A-10	JUL85 WA FIRMWARE UPGRADE TO REV 1.2 OPER SYS 1.0 BASIC FROM REV 1.0 & 1.1 OPER SYS OCT83 WA SER 2248A & BELOW.TAPE SYSTEM IMPROV AUG83 WA SER 2309A & BELOW.MOD TO PREVENT EXCESS HP-IB LOADING AUG83 WO SER 2317A & BELOW.MOD TO IMPROV PERF AT TURN-ON AUG83 WO SER 2309A & BELOW.MOD TO PREV PREMATURE BATT FAILURE SEP83 WA SER 2320A.INTERFAC INTERCONN CABLE MISWIRES AUG83 WA SER 2320A & BELOW.MOD TO PREV DISPLAY FAILURE & LP INTERFACE-DYNAMIC RAM FAILURE OCT83 WA SER 2331A & BELOW.MOD TO CORREC H V FAILURE MAR85 WA SER 2507A & BELOW.NOTIF OF FIRMWARE REV 2.0 UPGRADE MAR85 WO SER 2404A & BELOW.PREF REPL FOR HP P/N 04955-62617 TRAP MACHINE KIT					
4960A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	MAR82 04960-90002 JAN83 04960-90002	MAR83 04960-90003	8L 01 38 02			
	4960A-2S CONT'D 4960A-3 4960A-4	JUL81 AUG79 WA SAFETY.SER 1706A00340 & BELOW EQUIPPED WITH SELECT LINE VOLT INPUTS.MOD TO PREVENT AC LINE VOLTAGES AT FRONT PANEL CONNS JUL79 WN SER 1706A00325 & BELOW.MOD TO ALLOW SELECTABLE LINE VOLTAGE INPUT AUG79 WO SER 1706A00300 & BELOW.MOD TO REMOVE PWR FM LINE SWITCHING RELAYS TURNING PWR DOWN					

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5247M	MAN CHANGE OPER MAN						
5247M-01	SERV MAN MAN CHANGE						
5247M-02	SERV MAN MAN CHANGE						
5247M-03	SERV MAN MAN CHANGE						
5248L	OPER & SE MAN CHANGE						
5248L-002	OPER & SE MAN CHANGE						
5248L-003	OPER & SE MAN CHANGE						
5248M	OPER & SE MAN CHANGE						
5248M-002	OPER & SE MAN CHANGE						
5248M-003	OPER & SE MAN CHANGE						
525A	SERV MAN MAN CHANGE SERV NOTE 524B-14A 525A-1A						
525B	SERV NOTE 524B-14A 525B-1A 525B-2						
525C	OPER & SE SERV NOTE 524-14A 525C-1 525C-2						
5251A	OPER & SE						
5252A	OPER & SE SERV NOTE 5252A-1 5252A-2						
5253A	OPER & SE						

	MAN CHANGE	MAR62 500A-900	JUL81 5000-9000	8L 01 02 01
	SERV NOTE SET BELOW 500A-1		MAY78	
			TEST PROCEDURE	
500B	OPER & SERV MAN	APR68 00500-9003	MAR75 00500-9004	01 02 02
	SERV NOTE SET BELOW		MAY78	
	500B-1A	-	SER BELOW 1034.INSTALL PROC NEON LAMP	
	500B-2	-	SER BELOW 1135.MOD TO IMPR RELIABILTY	
	500B-3A	-	SER BELOW 010-02835.IMPR HF OPER	
	500B-4	NOV66	SER BELOW 015.NEON LAMP I1,I4 REPL	
500C	OPER & SERV MAN	APR68 00500-9003	MAR75 00500-9004	01 02 02
5000A	OPER & SERV MAN	MAR73 05000-90002	FEB83 05000-90004	8L 01 02 05
	TRAINING MAN	JAN00 05000-90005	NOV85 05000-90006	8L 01 02 01
5001A	SERV NOTE SET BELOW		JAN82	
	5001A-2	SEP81 WA SER 2040A00321 & BELOW.POWER FUSE (F1) REPL		

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60116)

525A

526A

526C

526D

DESCRIPTION ***

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60117)

9055
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0058

9058
9059
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0061
0062

576.REPL OF

9053
0054

9051

OPERATION

9054
9055

MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 212
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
5001B		OPER & SERV MAN MAN CHANGE	DEC81 JAN83	05001-90004 05001-90004	AUG84	05001-90005	8L	01	02	02	
5001C		SERV NOTE SET BELOW 5001C-1 5001C-2 CONT'D	JUL81 DEC81	WN ALL SER.OPER WA SER 2104A0011	APR82	INSTRUCT RE THE READY LINE FM A UNIT UNDER TEST TO 5001C TO 2104A00125 & 2128A00126 TO 2128A00140.MOD TO PREVENT SHORTING CLK DRIVER SW					
5001D		SERV NOTE SET BELOW 5001D-1	JUN82	WA SER NO LISTED IN TEXT.MOD TO CORREC INSTRUMENT	OCT82						
5004A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5004A-1C 5004A-2 5004A-3 5004A-4 H01-5004A/H03-5004A K17-59994A	MAR77 SEP82	05004-90001 05004-90001	NOV82	05004-90002	8L	01	02	02	
			NOV80	WO SER 1736 & UP.DATA PROBE THRESHOLD VOLTAGE ADJ & COMP	APR81						
			MAR78	WN ALL SER.5004A OPER VERIFICATION							
			MAY78	WO SER 1808 & BELOW.REC RES MOD TO MEET NARROW NEG PULSE SPEC							
			MAY80	WN ALL SER.USER & SERV MAN SUPP FOR DATA PROBE SETUP & HOLD TIME TESTS							
			SEP80	WA H01/H03-5004A SER 1824A04281 & BELOW;K17-59994A SER A01181 & BELOW.MOD TO CORRECT HP-IB SIGNATURE READING							
5005A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5005A-1	SEP81 OCT84	05005-90001 05005-90001	DEC84	05005-90002	8L	01	02	04	
			MAR81	WA SER PFX 1952A;SERS 00261-00285 & BELOW.MOD TO PREVENT +5V PWR SUPPLY OSC	JUL81						
5005B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5005B-1B 5005B-2A 5005B-3	SEP83 MAY85	05005-90015 05005-90015	OCT85	05005-90016	8L	01	02	04	
			FEB83	WA SER LISTED IN TEXT.FUNC SELECT ERROR WHEN RETURN TO REMOTE	APR83						
			FEB83	WA SER 2228A & BELOW.ROM CHANGE CORREC PROBE SW/LOCAL KEY DEPRESS BEING INGORED							
			JAN83	WA SER 2248A00380 & BELOW.INCORREC REAR PANEL PWR LABEL							
5006A		OPER & SERV MAN MAN CHANGE	JUL83 MAY85	05006-90006 05006-90006	OCT85	05006-90007	8L	01	02	03	
5035T		SERV MAN MAN CHANGE SERV MAN SERV MAN MAN CHANGE	FEB74 MAR75 SEP75 JUL76 FEB85	05035-90001 05035-90001 05035-90014 05035-90016 05035-90016	NOV85	05035-90008	8L	01	02	01	FOR SERIAL PFXES 1504A & BELOW
			NOV75	05035-90015*	8L	01	02	01	USE 5035T FICHE 05035-90017		
			JUN85	05035-90017	8L	01	02	01	FOR SERIAL PFXES 1540A & ABOVE		
5036A		SERV MAN MAN CHANGE SERV NOTE SET BELOW 5036A-1A	FEB79 MAR85	05036-90001 05036-90001	JUN85	05036-90002	8L	01	02	02	
			MAR82	WO SER 2116A & BELOW;NEW SUITCASE REPL P/N IS 1540-0781	JUL82						
5045A		OPER & SERV MAN USERS MAN MAN CHANGE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5045A-1 5045A-2	MAR76 JUN76 APR85 JUL79 APR85	05045-90004 05045-90020 05045-90020 05045-90038 05045-90038	SEP79	05045-90018*	8L	01	02	05	USE 5045A FICHE 05045-90039
			JUN85	05045-90021	8L	01	02	01			
			JUN85	05045-90039	8L	01	02	05			
			FEB77	WN ALL SER.TEXTOOL ZIP DIP SOCKET REPL	APR83						
			AUG77	WO ALL SER.REPAIR OF & ADJMT TO PRINT HEAD ASSEMBLY							

11/08/85
MOD
NO

5260A

5261A

5262A

5263A

5264A

5265A

5267A

5268A

5275A

5280A

5280A

5280A

5280A

5285A

5300A

90020
90034

90020
90034

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90034

90020

5046B	OPER & SERV MAN MAN CHANGE SYS SERV MAN	MAR83 05046-90012 SEP83 05046-90012 APR83 05046-90016	AUG84 05046-90013 JUN83 05046-90017	8L 01 02 01 8L 01 02 02
505A	OPER & SERV MAN INSTRUC & OPER MAN	JUN54 505A-501A JAN00 00505-90001	JAN72 505A-501B JUN83 5950-1971	01 02 02 8L 01 21 01
505B	OPER & SERV MAN	JUN54 505A-501A	JAN72 505A-501B	01 02 02
5050A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5050A-1A 5050A-2A 5050A-3	SEP71 05050-9033 MAR76 05050-9033	SEP83 05050-9026 OCT78	8L 01 02 03
				SER BELOW 744.MOD TO PROVIDE STORAGE CAPACITY SER 752 & UP.MOD TO PROVIDE STORAGE CAPACITY INSTALLATION OF MOTOR CONTROL

5305A
5305B
5306A

DESCRIPTION ***

90034

90020
90034

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90020
90034

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WR REF OUTPUT

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 214
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5050B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5050B-1	SEP71 MAR76	05050-9033 05050-9033	SEP83	05050-9026	8L	01	02	03	
					OCT78						WN INSTAL OF DIG CLOCK & MOTOR CONTROL
5055A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5055A-1 5055A-2	SEP73 FEB80	05055-90010 05055-90010	APR80	05055-90012	8L	01	02	02	
					MAY78						
			APR72	WO MOD TO UP IMMUNITY TO ELECT NOISE							
			APR76	WO SER 1612.MOD TO IMPR IMMUNITY TO VOLTAGE PEAKS							
506		SERV NOTE SET BELOW 506A-1 506A-2			MAY78						
											IMPR LAMP SOCKET
											ILLUSTR PARTS IDENTIFICATION
506A		OPER & SERV MAN	JAN67	00506-9004	APR71	00506-9005					01 02 01
5060A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5060A-1 CONT'D 5060A-2 5060A-3 5060A-4	OCT65 SEP68	05060-9013 05060-9013	APR71	05060-9025					01 02 05
					OCT80						
			JUL66	SER BELOW -00140.REPL OF A1Q1/17 OR A1T5 IN SYNTHESIZER ASSY (05060-60206) WITH SER BELOW 532							
			AUG66	SER BELOW -00200.PREF REPL TRANS FOR A16Q2							
			NOV67	SER BELOW 708-.MOD REQ WHEN REPL A8Q1,Q2,Q3,Q7							
			NOV69	WO REC CS BEAM TUBE REPL PROC							
5060A-004		ADDENDUM MAN	JAN00	05060-9030	FEB79	05060-9031	8L	01	02	01	
5060A-01		OPER & SERV MAN MAN CHANGE	OCT65 SEP68	05060-9013 05060-9013	APR71	05060-9025					01 02 05
5060A-02		OPER & SERV MAN MAN CHANGE	OCT65 SEP68	05060-9013 05060-9013	APR71	05060-9025					01 02 05
5061A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN OPER & SERV MAN SERV NOTE SET BELOW 5061A-1 5061A-2 5061A-3 5061A-4 5061A-5 CONT'D 5061A-6 5061A-7 5061A-10 5061A-11B 5061A-12 5061A-13 5061A-14 5061A-15/5062C-6 5061A-16 5061A-17	JUL74 AUG78 JUN78 APR85	05061-9034 05061-9034 05061-9052 05061-9068	NOV78 MAR85 JUL85 APR85	05061-9035 05061-9053 * 05061-9069	8L	01	02	05	FOR SER PFX BELOW 1428A USE 5061A FICHE 05061-9069 8L 01 02 05
											WO SER BELOW 728-00250.MOD TO IMPR OPER OF DECADE DIVIDER IC4
			NOV70	WO SER BELOW 924.PREF REPL PRTS INC REL							
			SEP75	WN CS OVEN CNTR CIR MOD							
			OCT75	WO 5060A ALL SER.5061A SER BELOW 1120A00489.INCR REL & TUNABILITY OF HARMONIC GEN ASSY							
			AUG74	ALL SER.SUM OF IMPORTANT CIR MOD,REC PROC & REPL PRTS.SOME CHNGES ALSO APPLICABLE TO MODEL 5060A							
			SEP75	WO ALL SER.INSTAL OF HOT WIRE IONIZER CURRENT LIMIT RESISTORS							
			OCT75	REC ENGINEERING IMPR.SUPER 5061A-5							
			JUL80	WO ALT REPL FOR A10 OSC ASSY							
			NOV82	WO ALL SER.REPL KIT FOR A10 OSCILLATOR ASSY P/N 05061-6170							
			MAY82	WO SER 2120A01869 & BELOW.REPL FOR A15 PWR REGLTR ASSY P/N 05061-6099 & -6017							
			FEB83	WO SER 944A00371 & ABOVE.REPL KIT FOR CESIUM OVEN CONTR P/N 05061-6173							
			JUL83	WA SER 2132A01870 TO 2216A02078.EHNANC REL OF A15PWR REGLTR ASSY							
			MAR84	WN ALL SER.DISPOSAL PROC FOR H-P CESIUM BEAM TUBES							
			MAY84	WN ALL SER.CORREC TO SIGNAL-TO-NOISE CHECK PROC FOR A12 CESIUM BEAM TUBE ASSY							
			SEP84	WA SER 2136A01919 TO 2232A02079.DEFECTIVE SYNTHESIZER CRYSTAL REPL							

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5306A

5307A

5308A

5310A

5311A

5311B

5312A

5314A

5061A-2 NO SER BELOW 924.PREF REPL PRTS INC REL
 5061A-3 SEP75 WN CS OVEN CNTR CIR MOD
 5061A-4 OCT75 WO 5060A ALL SER.5061A SER BELOW 1120A00489.INCR REL & TUNABILITY OF HARMONIC GEN ASSY
 5061A-5 AUG74 ALL SER.SUM OF IMPORTANT CIR MOD,REC PROC & REPL PRTS.SOME CHNGES ALSO APPLICABLE TO
 CONT'D MODEL 5060A
 5061A-6 SEP75 WO ALL SER.INSTAL OF HOT WIRE IONIZER CURRENT LIMIT RESISTORS
 5061A-7 OCT75 REC ENGINEERING IMPR.SUPER 5061A-5
 5061A-10 JUL80 WO ALT REPL FOR A10 OSC ASSY
 5061A-11B NOV82 WO ALL SER.REPL KIT FOR A10 OSCILLATOR ASSY P/N 05061-6170
 5061A-12 MAY82 WO SER 2120A01869 & BELOW.REPL KIT FOR A15 PWR REGLTR ASSY P/N 05061-6099 & -6017
 5061A-13 FEB83 WO SER 944A00371 & ABOVE.REPL KIT FOR CESIUM OVEN CONTR P/N 05061-6173
 5061A-14 JUL83 WA SER 2132A01870 TO 2216A02078.EHNANC REL OF A15PWR REGLTR ASSY
 5061A-15/5062C-6 MAR84 WN ALL SER.DISPOSAL PROC FOR H-P CESIUM BEAM TUBES
 5061A-16 MAY84 WN ALL SER.CORREC TO SIGNAL-TO-NOISE CHECK PROC FOR A12 CESIUM BEAM TUBE ASSY
 5061A-17 SEP84 WA SER 2136A01919 TO 2232A02079.DEFECTIVE SYNTHESIZER CRYSTAL REPL

11/08/85 MODEL NUMBER O C LITERATURE TYPE H/C DATE H/C PART NUMBER FICHE DATE FICHE PART NUMBER M P D P L T V G PAGE 215
 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5061A 5061A-18 OCT84 WO ALL SER.REC REPL OF A10A1 OSCIL

5062C OPER MAN AUG74 05062-90001 DEC75 05032-90013* 8L 01 02 01 USE 5062C FICHE 05262-90023
 SERV MAN JUN77 05062-90020 NOV78 05062-90021* 8L 01 02 05 USE 5062C FICHE 05062-90030
 OPER MAN JUN77 05062-90022 OCT77 05062-90023 8L 01 02 01
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029
 SERV NOTE SET BELOW JUL84
 5062C-1 JUL76 WA SER BELOW 1612A.MOD TO BATT CHARGER TO IMPR PERFORMANCE
 5062C-2A JUN79 WA SER 1640 & BELOW.PROC TO INSTALL REL IMPROVEMENT KIT.
 5062C-3 FEB78 ASSYS WHICH REQUIRE ADJ WHEN REPL
 5062C-5 DEC80 WO SER 2016A & BELOW.MOD TO INCR CESIUM BEAM TUBE LIFE BY OP AT LOWER OUTPUT CURRENT
 5061A-15/5062C-6 MAR84 WN ALL SER.DISPOSAL PROC FOR H-P CESIUM BEAM TUBES

5062C-H32 OPER MAN OCT78 05062-90031 FEB79 05062-90032 8L 01 02 01
 MAN CHANGE NOV78 05062-90031
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029

5062C-001 SERV MAN JUN77 05062-90020 NOV78 05062-90021* 8L 01 02 05 USE 5062C-001 FICHE 05062-90030
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029

5062C-002 SERV MAN JUN77 05062-90020 NOV78 05062-90021* 8L 01 02 05 USE 5062C-002 FICHE 05062-90030
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029

5062C-003 SERV MAN JUN77 05062-90020 NOV78 05062-90021* 8L 01 02 05 USE 5062C-003 FICHE 05062-90030
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029

5062C-010 OPER MAN FEB75 05062-90007 MAY75 05062-90012* 01 02 02 USE 5062C-010 FICHE 05062-90032
 SERV MAN JUN77 05062-90020 NOV78 05062-90021* 8L 01 02 05 USE 5062C-010 FICHE 05062-90030
 OPER MAN OCT78 05062-90031 FEB79 05062-90032 8L 01 02 01
 MAN CHANGE NOV78 05062-90031
 SERV MAN OCT78 05062-90029 NOV82 05062-90030 8L 01 02 05
 MAN CHANGE SEP82 05062-90029

5065 SERV NOTE SET BELOW APR83
 5065A-1 JUL70 WA SER 956-00256.PWR LINE SAFTY MOD
 5065A-4A DEC82 WO ALL SER.REPL KIT FOR A10 OSCILL ASSY P/N 05065-6097

5065A OPER & SERV MAN DEC71 05065-9035 JUN79 05065-9037 * 8L 01 02 04 USE 5065A FICHE 05065-9042
 OPER & SERV MAN NOV79 05065-9041 JUN85 05065-9042 8L 01 02 05
 MAN CHANGE MAY85 05065-9041

508 SERV NOTE SET BELOW MAY78
 508A/B/C/D-1 - ILLUSTR PARTS IDENTIFICATION

508A OPER & SERV MAN JUN66 00508-9001 MAY71 00508-9006 01 02 01

508B OPER & SERV MAN JUN66 00508-9001 MAY71 00508-9006 01 02 01

508C OPER & SERV MAN JUN66 00508-9001 MAY71 00508-9006 01 02 01

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5065A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE	DEC71 05065-9035 NOV79 05065-9041 MAY85 05065-9041	JUN79 05065-9037 * 8L 01 02 04 JUN85 05065-9042 8L 01 02 05	USE 5065A FICHE 05065-9042
508	SERV NOTE SET BELOW 508A/B/C/D-1	-	MAY78 ILLUSTR PARTS IDENTIFICATION	
508A	OPER & SERV MAN	JUN66 00508-9001	MAY71 00508-9006	01 02 01
508B	OPER & SERV MAN	JUN66 00508-9001	MAY71 00508-9006	01 02 01
508C	OPER & SERV MAN	JUN66 00508-9001	MAY71 00508-9006	01 02 01

5323A
5325A
5325A-001

DESCRIPTION ***

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*** DESCRIPTION ***											
508D		OPER & SERV MAN	JUN66	00508-9001	MAY71	00508-9006	01	02	01		
5083		SERV NOTE SET BELOW			JUL85						
		5083-1	-	REFER TO GENERAL HEADING FOR DESCRPTN							
		5083-2	-	REFER TO GEN HEADING FOR DESCRPTN							
		5083-4	-	REFER TO GEN HEADING FOR DESCRPTN.							
		5083-5	-	REFER TO GEN HEADING FOR DESCRPTN..							
		5083	-	REFER TO GEN HEADING, FOR DESCRPTN							
		5083	-	REFER TO GEN HEADING FOR DESCRPTN							
		5083-10	-	REFER TO GEN HEADING FOR DESCRPTN.							
		5083-11	-	REFER TO GEN HEADING FOR DESCRPTN..							
		5083-12	-	REFER TO GEN HEADING FOR DESCRPTN							
		5083-14	-	REFER TO GEN HEADING FOR DESCRPTN.							
5085A		OPER & SERV MAN MAN CHANGE	JUL74 JUL82	05085-9009 05085-9009	NOV82	05085-9010	8L	01	02	02	
5087A		OPER & SERV MAN MAN CHANGE	JAN77 FEB85	05087-90008 05087-90008	JUN85	05087-90009	8L	01	02	02	
5088-7049		OPER & SERV MAN	MAY81	5088-9002	AUG84	5088-9003	8L	01	02	01	
5089A		OPER & SERV MAN MAN CHANGE	DEC83 JAN84	05089-90001 05089-90001	MAY84	05089-90002	8L	01	02	02	
5090B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5090B-1	MAR66 FEB70 FEB70	05090-904 05090-904 W0 SER BELOW U958-.MOD FOR IMPR HI TEMP PERFORMANCE	SEP81	05090-905	8L	01	14	02	
51		OPER & SERV MAN	JAN00	00051-91369	AUG81	00051-91419	8L	01	11	01	
510		SERV NOTE SET BELOW 510A-1	SEP64	FIELD ADJUSTMENTS	MAY78						
510A		OPER & SERV MAN OPER & SERV MAN	MAR50 APR66	510A-501A 00510-93001	AUG73 AUG81	510A-502 5951-6498	01 8L	02 01	01 21	01 01	
5100A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5100A-1 5100A-2 5100A-3	MAY68 NOV71 FEB65 MAR66 APR66	05100-9037 05100-9037 SER BELOW 442-00381.REPL OF F2 FUSE SER BELOW 540.MOD OF PWR SUPPLY SER BELOW 552.FUSE REPL	JAN72	05100-9044	01	02	05		
5100B		OPER & SERV MAN MAN CHANGE	MAY68 NOV71	05100-9037 05100-9037	JAN72	05100-9044	01	02	05		
5102A		OPER & SERV MAN SERV NOTE SET BELOW 5102A-1	FEB66 MAR66	05102-9028 SER BELOW 540-00120.MOD OF PWR SUPPLY	SEP71 MAY78	05102-9032	01	02	05		
5103A		OPER & SERV MAN MAN CHANGE	MAR66 JUN71	05103-9008 05103-9008	SEP71	05103-9009	01	02	05		

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5325A-001
5325A/B
5325B
5325B-001
5326/5327

5326A
5326B
5326C
5327A
5327B

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5100B	OPER & SERV MAN MAN CHANGE	MAY68 05100-9037 NOV71 05100-9037	JAN72 05100-9044	01 02 05
5102A	OPER & SERV MAN SERV NOTE SET BELOW 5102A-1	FEB66 05102-9028 MAR66 SER BELOW 540-00120.MOD OF PWR SUPPLY	SEP71 05102-9032 MAY78	01 02 05
5103A	OPER & SERV MAN MAN CHANGE	MAR66 05103-9008 JUN71 05103-9008	SEP71 05103-9009	01 02 05

5326C

5327A

5327B

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 217
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5105A		OPER & SERV MAN MAN CHANGE	SEP70 JUL73	05105-9032 05105-9032	OCT77	05105-9034	8L	01	02	03	
5110A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5110A/B-1A 5110A-1 5110A-2	DEC70 JAN74	05110-9032 05110-9032	JUN75	05110-9037		01	02	04	
					MAY78						
				WN INSTAL OF OPT 02,03,& 04							
			MAR66	SER BELOW 524-00560.MOD OF PWR SUPPLY							
			APR66	SER BELOW 552 FUSE REPL							
5110B		OPER & SERV MAN MAN CHANGE	DEC70 JAN74	05110-9032 05110-9032	JUN75	05110-9037		01	02	04	
515A		OPER NOTE	JAN68	00515-90005	JUL84	5950-1883	8L	01	02	01	
5150A		OPER & SERV MAN MAN CHANGE SUBSYS MAN SERV NOTE SET BELOW 5150A-1 5150A-2 5150A-3-S 5150A-4 5150A-5 5150A-6	JUN76 OCT84 NOV76	05150-90003 05150-90003 09571-93013	DEC84	05150-90004	8L	01	02	04	
					FEB77	09571-93014	8L	01	09	01	
					OCT83						
			MAR77	WN OPT 002 BCD INTERFACE ALL SER.MOD TO IMPR IMMUNITY TO SPURIOUS PRNT SIGNALS							
			FEB77	WN ALL SER.REPR & ADJ TO PRINT HEAD ASSY							
			FEB78	WA SAFETY.SER BELOW 1724A02350.CORR ACTION FOR A POT SAFTY HAZARD							
			AUG78	WN REC HP-IB VERIF PROG FOR OPT 001							
			MAR83	WO SER 2144A.CHANGE TRAN A1Q2 TO IMPR REL OF PRINTER PAPER ADV CIRCUIT							
			JUL83	WA ALL SER.IMPR OF CIR TRIG MIDNIGHT PRINT-OUT							
5180A		OPER & PROG MAN MAN CHANGE SERV MAN MAN CHANGE SERV NOTE SET BELOW 5180A-1 5180A-2A 5180A-3A 5180A-4A 5180A-5 5180A-6B 5180A-7A 5180A-8A 5180A-9 5180A-10B 5180A-11 5180A-12B 5180A-13 5180A-14 5180A-15 5180A-17 5180A-18 5180A-19 5180A-20A 5180A-21	JAN82 JUL83 JUL82 APR85	05180-90001 05180-90001 05180-90014 05180-90014	NOV83	05180-90002	8L	01	02	03	
					JUN85	05180-90029	8L	01	02	07	VOL I & VOL II
					OCT85						
			AUG82	WN ALL SER.IMPR ADJ PROC FOR XYZ DISPLAY CIR							
			JAN83	WA SER 2210A00220 & BELOW.MOD TO Z OUT+ 15V REGLT & TRIG OUT CIT ON A25 REAR PANEL ASSY							
			JAN83	WA SER 2044A00200 & BELOW.MOD TO PREV POSS OSCIL +15V REGLT CIR ON A25 REAR PANEL ASSY							
			JAN83	WA SER 2224A00310 & BELOW.MOD TO PREV POSS NOISE PROB ON A25 REAR PANEL ASSY							
			JUL82	WA SER 2210A00211 & BELOW.MOD A8 & A9 HIGH SPEED MEMORY ASSEMBLIES							
			JUN83	WO SER 2220A00300 & BELOW.INPUT AMPLFR STATIC PROT & FREQ BW MOD							
			JAN83	WA SER 2222A00310 & BELOW.AC LINE PROT (MAINS)FUSE CHANGE							
			JUL83	WA SER 2224A00350 & BELOW.ADD OF WIRED TO -5.2V MOTHERBD SUPPLY LINES							
			NOV82	WN ALL SER.ROM/EPROM REPL STRATEGY							
			SEP84	WO SER LISTED IN NOTE.FIRMWARE (ROM) REV 1.4 PROC							
			DEC82	WA SER 2210A00220 & BELOW.MOD TO CORREC POSS SHORTING OF -5.2V SUPPLY TO CHASSIS							
			NOV83	WN SER 2204A00191 & BELOW.CHANGE TO BOTTOM COVER & INFO PULLOUT CARDS							
			JAN83	WO SER LISTED IN NOTE.MOD TO CORREC PWR-UP RESET & DMA PROB							
			APR83	WA SER NUMBER LIST IN SERV NOTE.MOD TO ELIM GEN OF DATA SPIKES							
			MAY83	WO SER 2311A00541 & BELOW.A10 & ALL REPL PROC							
			JUL83	WO ALL SER.MOD TO PREV MULTIPLE CURSOR/DISPLAY GLITCHES							
			JUL83	WN ALL SER.05180-60100/60500 HYBRID SHIELD EXCH POLICY							
			SEP84	WA SER 2404A00800 & BELOW.MOD TO IMPR ADC REL							
			JUN85	WA SER 2448A01010 & BELOW.MOD TO IMPROV HISTOGRAM TEST RESULTS							
			FEB85	WA SER 2436A00990 & BELOW(EXCEPTIONS SEE NOTE).MOD TO ELIM MISTRIGGER							
51800A		OPER & PROG MAN	NOV83	51800-90001	AUG84	51800-90002	8L	01	02	02	
5181A		OPER & SERV MAN	MAR82	05181-90001	MAY84	05181-90002	8L	01	02	02	

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5327B

5327C

5328A

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5180A-4
5180A-15
5180A-17
5180A-18
5180A-19
5180A-20A
5180A-21

APR83 WA SER NUMBER LIST IN SERV NOTE.MOD TO ELIM GEN OF DATA SPIKES
MAY83 WO SER 2311A00541 & BELOW.A10 & ALL REPL PROC
JUL83 WO ALL SER.MOD TO PREV MULTIPLE CURSOR/DISPLAY GLITCHES
JUL83 WN ALL SER.05180-60100/60500 HYBRID SHIELD EXCH POLICY
SEP84 WA SER 2404A00800 & BELOW.MOD TO IMPR ADC REL
JUN85 WA SER 2448A01010 & BELOW.MOD TO IMPROV HISTOGRAM TEST RESULTS
FEB85 WA SER 2436A00990 & BELOW(EXCEPTIONS SEE NOTE).MOD TO ELIM MISTRIGGER

51800A OPER & PROG MAN NOV83 51800-90001 AUG84 51800-90002 8L 01 02 02
5181A OPER & SERV MAN MAR82 05181-90001 MAY84 05181-90002 8L 01 02 02

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5181A MAN CHANGE APR84 05181-90001 MAY84 05181-90002 8L 01 02 02

5182A OPER & PROG MAN MAR84 05182-90006 OCT85 05182-90007 8L 01 02 04
MAN CHANGE APR85 05182-90006
SERV MAN FEB85 05182-90008 JUN85 05182-90009 8L 01 02 08
MAN CHANGE APR85 05182-90008
SERV NOTE SET BELOW OCT85
5182A-1 MAR85 WA SER 2448A00315 & BELOW.MOD TO FIX DMA PROB WITH "AUTO STOP" & CHOP MODE DATA RECORDS
5182A-2 FEB85 WN SER 2442A00330 & BELOW.MOD TO IMPROV HISTOGRAM TEST RESULTS

51820A USER'S MAN NOV83 51820-90001 AUG84 51820-90002 8L 01 02 03

520 SERV NOTE SET BELOW MAY78
520A-1 SEP64 FIELD ADJUSTMENTS

520A INSTRU & OPER MAN JAN00 520A-900 MAR72 00520-90002 01 02 01
MAN CHANGE APR61 520A-900
OPER & SERV MAN JAN00 00520-90001 APR72 00520-93001 01 21 01

5201L OPER & SERV MAN JAN66 05201-9006 OCT72 05201-9011 01 02 04
MAN CHANGE DEC71 05201-9006

5201L-01 OPER & SERV MAN JAN66 05201-9006 OCT72 05201-9011 01 02 04
MAN CHANGE DEC71 05201-9006

5201L-02 OPER & SERV MAN JAN66 05201-9006 OCT72 05201-9011 01 02 04
MAN CHANGE DEC71 05201-9006

5201L-03 OPER & SERV MAN JAN66 05201-9006 OCT72 05201-9011 01 02 04
MAN CHANGE DEC71 05201-9006

5201L-04 OPER & SERV MAN JAN66 05201-9006 OCT72 05201-9011 01 02 04
MAN CHANGE DEC71 05201-9006

5202L OPER & SERV MAN NOV65 05202-9003 MAY71 05202-9004 01 02 04
MAN CHANGE AUG67 05202-9003

5202L-01 OPER & SERV MAN NOV65 05202-9003 MAY71 05202-9004 01 02 04
MAN CHANGE AUG67 05202-9003

5202L-02 OPER & SERV MAN NOV65 05202-9003 MAY71 05202-9004 01 02 04
MAN CHANGE AUG67 05202-9003

5202L-03 OPER & SERV MAN NOV65 05202-9003 MAY71 05202-9004 01 02 04
MAN CHANGE AUG67 05202-9003

5202L-04 OPER & SERV MAN NOV65 05202-9003 MAY71 05202-9004 01 02 04
MAN CHANGE AUG67 05202-9003

5203L OPER & SERV MAN MAR66 05203-9003 FEB81 05203-9004 8L 01 02 02
MAN CHANGE JUL66 05203-9003

5203L-02 OPER & SERV MAN MAR66 05203-9003 FEB81 05203-9004 8L 01 02 02
MAN CHANGE JUL66 05203-9003

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5328A

5328A-C96

5328A-H42

5328A-H99

5328A-010

5328A-011

5328A-020

5328A-021

5328A-030

5328A-031

5328A-040

5328A-041

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5203L-03 OPER & SERV MAN MAR66 05203-9003 FEB81 05203-9004 01 01 02 02

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5202L-04	OPER & SERV MAN MAN CHANGE	NOV65 05202-9003 AUG67 05202-9003	MAY71 05202-9004	01 02 04
5203L	OPER & SERV MAN MAN CHANGE	MAR66 05203-9003 JUL66 05203-9003	FEB81 05203-9004	8L 01 02 02
5203L-02	OPER & SERV MAN MAN CHANGE	MAR66 05203-9003 JUL66 05203-9003	FEB81 05203-9004	8L 01 02 02

5328A-040

5328A-041

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 219
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5203L-03		OPER & SERV MAN MAN CHANGE	MAR66 JUL66	05203-9003 05203-9003	FEB81	05203-9004	8L	01	02	02	
521 SERIES		OPER & SERV MAN	JAN67	00521-9002	FEB76	00521-9003	8L	01	02	03	
521A/C/D/E		SERV NOTE SET BELOW			MAY78						
		521A-1A	-	INSTAL DIGITAL REC ADAPTOR KIT							
		521A-2A	-	SER BELOW 1581.REPLACEMENT FAN KIT							
		521A-3	-	SER BELOW 010-03882(521A).PHANTASTRON STABILITY IMPROVEMENT							
		521A-4	-	SER BELOW 2832.RESET THYRATRON CIRCUIT REPLACEMENT							
		521A-5A	AUG67	521A SER UP 010-03781;521 SER U10-03631.DIG RECORDER(BCD + 1224) ADAPT KIT INSTALL							
		521C-1A	MAR67	CRYSTAL UNIT RAPLACEMENT							
		521C-2B	-	521C SER 3631 + DOWN.PHANTASTRON MOD							
		521C-3	-	521C SER BELOW 032-04706;521E SER BELOW 03200400.MOD TO IMPR MEAS RELIB AT LO LINE V							
		521D-1A	-	DIG RECORDER(TEN-LINE) ADAP'ER KIT							
		521D-2A	-	DIG RECORDER(STAIRCASE) ADAPTER KIT							
5210A		OPER & SERV MAN	NOV73	05210-9022	NOV73	05210-9023		01	02	02	
5210B		OPER & SERV MAN	NOV73	05210-9022	NOV73	05210-9023		01	02	02	
52102A		OPER & SERV MAN	SEP81	52102-90902	FEB82	52102-90802	8L	01	08	02	
52103A		OPER & SERV MAN	JUL80	52103-90902	SEP80	52103-90802	8L	01	08	02	
52105A		OPER & SERV MAN	NOV81	52105-90902	FEB82	52105-90802	8L	01	08	02	
5211A		OPER & SERV MAN	JUN67	05211-9002	AUG70	05211-9003		01	02	03	
5211B		OPER & SERV MAN	JUN67	05211-9002	AUG70	05211-9003		01	02	03	
52110A		OPER NOTE	FEB80	52110-90901	APR80	52110-90801	8L	01	08	01	
5212A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JUN67 OCT70	05212-9009 05212-9009	JAN71	05212-90010		01	02	03	
		5212A/5512A-1	JUL66	SER BELOW 306.REPL DIODE FOR A1CR1 IN AMPLFR ASSEMBLY	JAN79						
		5212A/5512A-2	AUG66	SER BELOW 608.REPL TRANS FOR A8Q1 IN OSCILLATOR ASSEMBLY							
5212A-02		OPER & SERV MAN MAN CHANGE	JUN67 OCT70	05212-9009 05212-9009	JAN71	05212-90010		01	02	03	
5212A-03		OPER & SERV MAN MAN CHANGE	JUN67 OCT70	05212-9009 05212-9009	JAN71	05212-90010		01	02	03	
52121A		OPER NOTE	DEC81	52121-90901	JAN82	52121-90801	8L	01	08	01	
52122A		OPER NOTE	APR82	52122-90901	JUN82	52122-90801	8L	01	08	01	
52126A		OPER NOTE OPER NOTE	FEB79 JUN79	52126-90901 52126-90902	MAY79 JUL79	52126-90801* 52126-90802	8L	01	08	01	USE 52126A FICHE 52126-90802
5214L		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JAN70 APR71	05214-9007 05214-9007	AUG71	05214-9008		01	02	03	
					MAY78						

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5328A-041

5328A-098

5328AF/096

5328AF/098

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5332B

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 220
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5214L		5214L-1	AUG66	SER BELOW 612.REPL TRANS FOR A4Q1 IN OSCILLATOR ASSEMBLY							

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52122A	OPER NOTE	APR82	52122-90901	JUN82	52122-90801	8L 01 08 01
52126A	OPER NOTE	FEB79	52126-90901	MAY79	52126-90801*	8L 01 08 01 USE 52126A FICHE 52126-90802
	OPER NOTE	JUN79	52126-90902	JUL79	52126-90802	8L 01 D2 01
5214L	OPER & SERV MAN	JAN70	05214-9007	AUG71	05214-9008	01 02 03
	MAN CHANGE	APR71	05214-9007			
	SERV NOTE SET BELOW			MAY78		

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5335A

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G ADAPT

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 220	
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
5214L		5214L-1	AUG66	SER BELOW 612.REPL TRANS FOR A4Q1 IN OSCILLATOR ASSEMBLY								
5214L-02		OPER & SERV MAN MAN CHANGE	JAN70 APR71	05214-9007 05214-9007	AUG71	05214-9008				01 02 03		
5214L-03		OPER & SERV MAN MAN CHANGE	JAN70 APR71	05214-9007 05214-9007	AUG71	05214-9008				01 02 03		
5216A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	AUG71 OCT73	05216-9006 05216-9006	OCT84	05216-9008	8L	01	02	04		
		5216A-1	MAY71	WO SER 948A03126 TO 1040A03875.MOD TO INCREASE GATE LAMP LIFE								
		5216A-2	JUN73	WO SER BELOW 976.SOLU FOR A4 DECD DIVIDER RESET PROBLEM								
522A		INSTRUCT & OPER MAN	MAR55	522A-501A	JUL81	5080-5689	8L	01	02	02		
522B		OPER & SERV MAN MAN CHANGE MAN CHANGE B AC-4A/B MAN AC-4A/B MAN CHANGE SERV NOTE SET BELOW	JAN00 MAR62 MAR62 FEB60 MAY62	522B-900 522B-900 522B-900 522B-900 522B-900	SEP71	522B-903				01 02 03		
		522B-1		NOT AVAILABLE								
		522B-2		NOT AVAILABLE								
		522B-3A		INPUT LEVEL CONTROL INSTALLATION								
		522B-4		SER 922 + DOWN.REPL DESCRIMINATOR								
		522B-5A		DIG RECORDER(STAIRCASE) ADAPT KIT								
		522B-6C	JUN67	SER 2482 + DOWN.REPLACEMENT FAN KIT								
		522B-7		CABINET TO RACK MOUNT CONV KIT								
		522B-8B		SER 019-03982 + UP.DIG RECORD(BCD + 1224) ADAPT KIT								
5221A		OPER & SERV MAN SERV NOTE SET BELOW	JUL71	05221-9015	DEC75	05221-9016	8L	01	02	02		
		5221A/5321A-1		- WN MOD TO RED AMPLFR BANDWIDTH								
		5221A/5321A-2A	OCT72	WO SER BELOW 1048A02871 EXCEPT THOSE WITH OPT 03,103, & 203.MOD TO IMPR STAB OF TIME								
		CONT'D		BASE IN PRESENCE OF PWR LINE NOISE								
		5221A/5321A-3A	OCT72	WN ALL SER.1MHZ CRYSTAL TIME BASE (OPT 003).INSTAL PROC FOR 5221A & 5321A								
5221B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR71 JUL73	05221-9014 05221-9014	OCT84	05221-9017	8L	01	02	02		
		5221B/5321B-1		- WN MOD TO INSURE ACCUR FREQ MEAS BELOW 100 KHZ								
		5221B/5321B-2	MAR71	WN SER BELOW 0980A.MOD FOR COMPATIBILITY WITH 5055A DIGITAL RECORDER								
5223L		OPER & SERV MAN SERV NOTE SET BELOW	FEB67	05223-9005	FEB72	05223-9006				01 02 03		
		5223L-1	AUG66	SER BELOW 539.REPL TRANS FOR A7Q1 IN OSCIL ASSEMBLY								
5223L-02		OPER & SERV MAN	FEB67	05223-9005	FEB72	05223-9006				01 02 03		
5223L-03		OPER & SERV MAN	FEB67	05223-9005	FEB72	05223-9006				01 02 03		
523B		SERV NOTE SET BELOW			MAY78							
		523B-1		NOT AVAILABLE								
		523B-2B	OCT62	SER 394 + UP. ADAPT KIT INSTALLATION								

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5335A-040

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5340A-006

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
523B		523B-3B		SER BELOW 393.MANUAL GATE PRINT MOD								
		523B-4A	APR70	WN SER BELOW 293.FAN MODIFICATION								
		523B-5		ALL SER 1 THRU 243;SOME SER 244 THRU 293.WIRING CHANGE								

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5342A

5245L-002

SEP83 UN ALL SER.REPL KIT FOR 10544-60536 OSCIL P/N 5061-6004

5245L-002

OPER & SERV MAN

NOV73 05245-9044

JUL80 05245-9047

8L 01 02 04 FOR SERIAL PFXES 628 & ABOVE

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5245L-002		MAN CHANGE MAN CHANGE UK.	APR80 JUN76	05245-9044 05245-9044	JUL80	05245-9047	8L 01 02 04	
5245L-003		OPER & SERV MAN MAN CHANGE MAN CHANGE UK.	NOV73 APR80 JUN76	05245-9044 05245-9044 05245-9044	JUL80	05245-9047	8L 01 02 04	FOR SERIAL PFXES 628 & ABOVE
5245L-02		OPER & SERV MAN MAN CHANGE	SEP66 MAR67	05245-9005 05245-9005	FEB71	05245-9037	01 02 05	FOR SERIAL PFXES 544 & BELOW
5245L-03		OPER & SERV MAN MAN CHANGE	SEP66 MAR67	05245-9005 05245-9005	FEB71	05245-9037	01 02 05	FOR SERIAL PFXES 544 & BELOW
5245M		OPER MAN SERV MAN MAN CHANGE	NOV70 DEC73 NOV74	05245-9032 05245-9045 05245-9045	JAN75 JUN75	05245-9035 05245-9046	01 02 02 01 02 05	
5245M-J35		SERV MAN MAN CHANGE	DEC73 NOV74	05245-9045 05245-9045	JUN75	05245-9046	01 02 05	
5245M-J36		SERV MAN MAN CHANGE	DEC73 NOV74	05245-9045 05245-9045	JUN75	05245-9046	01 02 05	
5245M-02		SERV MAN MAN CHANGE	DEC73 NOV74	05245-9045 05245-9045	JUN75	05245-9046	01 02 05	
5245M-03		SERV MAN MAN CHANGE	DEC73 NOV74	05245-9045 05245-9045	JUN75	05245-9046	01 02 05	
5245M/5248M		SERV NOTE SET BELOW 5245M-1/5245M-1	OCT72	NO SER BELOW	MAY78	1124A01411	MOD TO STOP ERRATIC GATING	
5246L		OPER MAN SERV MAN MAN CHANGE	AUG68 OCT68 OCT74	05246-9005 05246-9006 05246-9006	APR70 JUN75	05246-9007 05246-9008	01 02 01 01 02 04	
5246L-01		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5246L-02		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5246L-03		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5246L-04		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5246L-05		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5246L-06		SERV MAN MAN CHANGE	OCT68 OCT74	05246-9006 05246-9006	JUN75	05246-9008	01 02 04	
5247M		SERV MAN	SEP67	05247-9006	NOV70	05247-9012	01 02 04	

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M P D P L T V G	DESCRIPTION
5247M		MAN CHANGE OPER MAN	JAN70 AUG67	05247-9006 05247-9004	NOV70 NOV70	05247-9012 05247-9013	01 02 04 01 02 01	
5247M-01		SERV MAN MAN CHANGE	SEP67 JAN70	05247-9006 05247-9006	NOV70	05247-9012	01 02 04	
5247M-02		SERV MAN MAN CHANGE	SEP67 JAN70	05247-9006 05247-9006	NOV70	05247-9012	01 02 04	

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5354A

CONT'D
5354A-4
5354A-5
5354A-6
5354A-7
5354A-8
5354A-9

5355A

OPER &
MAN CHA
SERV NO
5355A-1
CONT'D

5356A

OPER &
MAN CHA

5356A-006

OPER &

5356A/B

SERV NO
5356A-1
5356B-1

5356B

OPER &
MAN CHA

5356B-006

OPER &

5356C

OPER &
MAN CHA

5358A

OPER &
MAN CHA

5359A

SERV NO
5359A-1
5359A-2
5359A-3
5359A-4
5359A-5

536A

OPER NO
OPER NO
SERV NO
536A-10
536A-2E

5360A

SERV MA
MAN CHA
SERV MA
MAN CHA
RAPID-R
OPER MA
MAN CHA
SERV NO11/08/85
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5360A

5360A-1
5360A-2
5360A-3
5360A-4
5360A-5
5360A-6
5360A-7
5360A-8
5360A-9

5247M

SERV MAN

SEP67 05247-9006

NOV70 05247-9012

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5247M	MAN CHANGE OPER MAN	JAN70 05247-9006 AUG67 05247-9004	NOV70 05247-9012 NOV70 05247-9013	01 02 04 01 02 01	
5247M-01	SERV MAN MAN CHANGE	SEP67 05247-9006 JAN70 05247-9006	NOV70 05247-9012	01 02 04	
5247M-02	SERV MAN MAN CHANGE	SEP67 05247-9006 JAN70 05247-9006	NOV70 05247-9012	01 02 04	
5247M-03	SERV MAN MAN CHANGE	SEP67 05247-9006 JAN70 05247-9006	NOV70 05247-9012	01 02 04	
5248L	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
5248L-002	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
5248L-003	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
5248M	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
5248M-002	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
5248M-003	OPER & SERV MAN MAN CHANGE	OCT71 05248-90014 AUG77 05248-90014	OCT77 05248-90015	8L 01 02 05	
525A	SERV MAN MAN CHANGE SERV NOTE SET BELOW 524B-14A 525A-1A	JAN54 00524-9002 MAY60 00524-9002 SEP69 - 10 MHZ DRIVE-SIGNAL CIRCUIT ADJUSTMNT HARMONIC GEN OUTPUT ADJUSTMENT	FEB80 00524-9006 MAY78	8L 01 02 05	
525B	SERV NOTE SET BELOW 524B-14A 525B-1A 525B-2	SEP69 - 10 MHZ DRIVE SIGNAL CIRCUIT ADJUSTMNT REPLACEMENT OF SWITCH S1D SER 005-03565 THRU 122-06137.INCR 10 MHZ STANDARD VOLTAGE MODIFICATION	MAY78		
525C	OPER & SERV MAN SERV NOTE SET BELOW 524-14A 525C-1 525C-2	NOV65 00525-9002 SEP69 - 10 MHZ DRIVE SIGNAL CIRCUIT ADJUSTMNT SER BELOW 121-00866.INCR 10 MHZ DRIVE SIGNAL MAY66 HARMONIC GEN ASSY REPLACEMENT	MAR76 00525-9004 MAY78	8L 01 02 01	
5251A	OPER & SERV MAN	AUG68 05251-9002	MAY70 05251-9004	01 02 01	
5252A	OPER & SERV MAN SERV NOTE SET BELOW 5252A-1 5252A-2	JAN74 05252-9010 APR66 JUL66 SER BELOW 532.REPL TRANS FOR A1Q16/17 SER BELOW 532-.PREFERRED REPLACEMENTS	MAR74 05252-9011 MAY78	01 02 02	
5253A	OPER & SERV MAN	AUG74 05253-9017	NOV79 05253-9018	8L 01 02 02	

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5360A	5360A-1 5360A-2 5360A-3 5360A-4 5360A-5 5360A-6 5360A-7 5360A-8 5360A-9 5360A-11
5363A	OPER & SE SERV NOTE 5363A-1 5363A-2 5363A-3B 5363A-4/5 5363A-5
5363B	OPER & SE MAN CHANG SERV NOTE 5363B-1A 5363B-2 CONT'D 5363A-4/5 5363B-4 5363B-5 5363B-6
5365A	SERV MAN MAN CHANG SERV MAN MAN CHANG OPER MAN SERV NOTE 5365A-1B
537A	OPER NOTE OPER NOTE SERV NOTE 537A-1B
5370A	OPER & SE MAN CHANG SERV NOTE 5370A-1A 5370A-2 5370A-3 5370A-4A 5370A-5 5370A-6 5370A-7 5370A-8 5370A-9

5253A

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DESCRIPTION ***

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5253A		MAN CHANGE MAN CHANGE UK	OCT79 NOV74	05253-9017 05253-9017	NOV79	05253-9018	8L	01	02	02		
5253B		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW 5253B-1	AUG74 OCT79 NOV74	05253-9017 05253-9017 05253-9017	NOV79	05253-9018	8L	01	02	02		
				SER BELOW 513-	MAY78							
5254A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5254A-1 5254A-2	FEB74 JAN80	05254-9020 05254-9020	APR80	05254-9021	8L	01	02	02		
				APR66 MOD TO STOP OSCIL IN A5 AFTER REPL A5Q12 MAY70 WO MIXER DIODE REPL PROCEDURE	MAY78							
5254B		OPER & SERV MAN MAN CHANGE	FEB74 JAN80	05254-9020 05254-9020	APR80	05254-9021	8L	01	02	02		
5254C		OPER & SERV MAN MAN CHANGE	FEB74 JAN80	05254-9020 05254-9020	APR80	05254-9021	8L	01	02	02		
5255A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5255A-1 5255A-2	NOV73 JAN80	05255-9031 05255-9031	APR80	05255-9032	8L	01	02	02		
				APR66 SER BELOW 640-00200.MOD IMPR REL & PERFORMANCE JAN76 WN SER BELOW 1124A.REC REPL FOR TRANSISTORS A7A1Q2,4,6,8,10	MAY78							
5256A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5256A-1	JAN74 SEP80	05256-9008 05256-9008	DEC80	05256-9009	8L	01	02	02		
				JAN76 WN SER BELOW 1124A.REC REPL FOR TRANSISTORS A7A1Q2,4,6,8,10	MAY78							
5257A		OPER & SERV MAN MAN CHANGE	JAN74 MAY80	05257-90016 05257-90016	JUL80	05257-90017	8L	01	02	02		
5258A		OPER & SERV MAN MAN CHANGE	APR72 FEB73	05258-9008 05258-9008	JUL74	05258-9009		01	02	02		
526A		OPER & SERV MAN MAN CHANGE	MAR64 DEC62	526A-900 526A-900	JUN71	00526-9008		01	02	01		
526B		OPER & SERV MAN MAN CHANGE SERV MAN MAN CHANGE	MAR61 AUG62 JAN54 MAY60	526B-900 526B-900 00524-9002 00524-9002	JUN75	00526-9005		01	02	01		
526C		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 526C-1A 526C-2	JAN63 JAN63	526C-900 526C-900	JUN71	00526-9007		01	02	01		
				JUN67 SER BELOW 1313.RESET SIG FROM COUNTR SER BELOW 005-00917.INPT GRID CIR MOD	MAY78							
526D		OPER & SERV MAN MAN CHANGE	JUL66 FEB68	00526-9004 00526-9004	JUN71	00526-9006		01	02	01		

-90029

AT FRONT PANEL CONN
NG POWER DOWN

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5258A	OPER & SERV MAN MAN CHANGE	APR72 05258-9008 FEB73 05258-9008	JUL74 05258-9009	01 02 02
526A	OPER & SERV MAN MAN CHANGE	MAR64 526A-900 DEC62 526A-900	JUN71 00526-9008	01 02 01
526B	OPER & SERV MAN MAN CHANGE SERV MAN MAN CHANGE	MAR61 526B-900 AUG62 526B-900 JAN54 00524-9002 MAY60 00524-9002	JUN75 00526-9005 FEB80 00524-9006	01 02 01 8L 01 02 05
526C	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 526C-1A 526C-2	JAN63 526C-900 JAN63 526C-900 - JUN67	JUN71 00526-9007 MAY78 SER BELOW 1313.RESET SIG FROM COUNTR SER BELOW 005-00917.INPT GRID CIR MOD	01 02 01
526D	OPER & SERV MAN MAN CHANGE	JUL66 00526-9004 FEB68 00526-9004	JUN71 00526-9006	01 02 01

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DESCRIPTION ***

01C
ENT SHORTING CLKS
.MOD TO CORRECT

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& BELOW

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*** DESCRIPTION ***											
5260A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5260A-1 5265A-1 5265A-2	NOV67 DEC71	05260-9010 05260-9010	OCT84	05260-9012	8L	01	02	03	
MAY78 WO SER 836A TO 1052A.MOD TO IMPR PHASE LOCK CHARACTERISTICS											
FEB66 PREF REPL FOR C1											
- REPL OF CR1 & CR3											
5261A		OPER & SERV MAN MAN CHANGE	DEC73 JUL78	05261-9012 05261-9012	NOV78	05261-9013	8L	01	02	01	
5262A		OPER & SERV MAN MAN CHANGE	SEP72 SEP80	05262-9024 05262-9024	DEC80	05262-9025	8L	01	02	02	
5263A		OPER & SERV MAN	MAR66	05263-901	DEC81	05263-9026	8L	01	14	01	
5264A		OPER & SERV MAN MAN CHANGE	DEC73 MAY74	05264-9009 05264-9009	JUN75	05264-9010		01	02	02	
5265A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	SEP69 MAY71 JUL78	05265-9011 05265-9014 05265-9014	FEB71 FEB79	05265-9012 * 05265-9015	01 8L	02 01	02 02	02	USE 5265A FICHE 05265-9015
5267A		OPER & SERV MAN MAN CHANGE	MAY71 FEB76	05267-90008 05267-90008	OCT77	05267-90009	8L	01	02	02	
5268A		OPER & SERV MAN	JAN70	05268-99000	JUN85	05268-99001	8L	01	33	02	
5275A		OPER & SERV MAN SERV NOTE SET BELOW 5275A-1A 5275A-2	NOV68 JUN67 JUL66	05275-9002 SER BELOW 402-00315.MOD TO RED TRANSIENTS CAUSED BY MANUAL RESET SER BELOW 504.REPL TRANS FOR A1Q4 IN DISPLAY CONTROL ASSEMBLY	JAN78 MAY78	05275-90009	8L	01	02	03	
5280A		OPER & SERV MAN MAN CHANGE	SEP69 FEB70	05280-9006 05280-9006	APR71	05280-9007		01	02	03	
5280A-H02		OPER & SERV MAN MAN CHANGE	SEP69 FEB70	05280-9006 05280-9006	APR71	05280-9007		01	02	03	
5280A-H06		OPER & SERV MAN MAN CHANGE	SEP69 FEB70	05280-9006 05280-9006	APR71	05280-9007		01	02	03	
5280A-001		OPER & SERV MAN MAN CHANGE	SEP69 FEB70	05280-9006 05280-9006	APR71	05280-9007		01	02	03	
5285A		OPER & SERV MAN	DEC69	05285-9007	AUG81	05285-9008	8L	01	02	02	
5300A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5300A-1B 5300A-2 5300A-3 5300A-1001 5300A-4 5300A-5	APR74 DEC83	05300-90017 05300-90017	MAR84	05300-90018	8L	01	02	02	
APR82 JAN76 WN ALL SER.SAFETY.ELIMINATION OF POTENTIAL SHOCK HAZARD											
MAR73 WN SER BELOW 1208A02161.MOD TO STOP THERMAL RUNAWAY											
FEB74 WO ALL SER.MODULES 5301A, /02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFTY GROUND											
JUL77 WN SER 1724U-05380 & BELOW.RECMD REPL FOR ZENER DIODE											
OCT77 WN ALL SER.REC USE OF 10548A TEST CARDS ON 5300A											
DEC78 WN ALL SER.REC 10548A DIAG TEST CARD UPDATE.											

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5280A-H06	OPER & SERV MAN MAN CHANGE	SEP69 05280-9006 FEB70 05280-9006	APR71 05280-9007	01 02 03
5280A-001	OPER & SERV MAN MAN CHANGE	SEP69 05280-9006 FEB70 05280-9006	APR71 05280-9007	01 02 03
5285A	OPER & SERV MAN	DEC69 05285-9007	AUG81 05285-9008	8L 01 02 02
5300A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR74 05300-90017 DEC83 05300-90017	MAR84 05300-90018	8L 01 02 02
	5300A-1B	JAN76 WN ALL SER.SAFETY.ELIMINATION OF POTENTIAL SHOCK HAZARD		
	5300A-2	MAR73 WN SER BELOW 1208A02161.MOD TO STOP THERMAL RUNAWAY		
	5300A-3	FEB74 WO ALL SER.MODULES 5301A,/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND		
	5300A-1001	JUL77 WN SER 1724U-05380 & BELOW.RECMD REPL FOR ZENER DIODE		
	5300A-4	OCT77 WN ALL SER.REC USE OF 10548A TEST CARDS ON 5300A		
	5300A-5	DEC78 WN ALL SER.REC 10548A DIAG TEST CARD UPDATE.		

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DESCRIPTION ***

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*** DESCRIPTION ***											
5300A		5300A-6	NOV81	WN SER 1940A & BELOW.PREFERRED REPL FOR PWR SW/SAMPLE RATE CONTRL							
5300B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	FEB75 05300-90028 MAY77 05300-90035 DEC83 05300-90035		MAR75 05300-90029* MAR84 05300-90036		01	02	02	USE 5300B FICHE 05300-90036	
		5300B-1000 5300B-1 5300B-2		JUL77 WN SER 1707U-02600 & BELOW.RECMD REPL FOR ZENER DIODE	APR79						
				OCT77 WN ALL SER.REC USE OF 10548A TEST CARDS ON 5300B							
				DEC78 WN ALL SER.REC 10548A DIAG TEST CARD UPDATE.							
5301A		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW	MAY73 05301-90006 MAR82 05301-90006 SEP76 05301-90006		JUL82 05301-90009		8L	01	02	02	
		5300A-3 5301A-1 5301A-U-1		FEB74 WO ALL SER,MODULES 5301A/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	OCT82						
				APR79 WN SER 1824A04926 TO 1824A05275.REC MOD TO IMPR PERF OF ADDRESSABLE MODE							
				JUN79 WN SER 1902U01151 TO 1902U01180.MOD TO IMPROVE ADDRESSABLE MODE.							
5302A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR75 05302-90009 NOV81 05302-90009		FEB82 05302-90010		8L	01	02	02	
		5300A-3		FEB74 WO ALL SER,MODULES 5301A/20A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	OCT82						
5303A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JAN72 05303-90005 OCT72 05303-90005		OCT84 05303-90014		8L	01	02	02	
		5300A-3 5303A-1		FEB74 WO ALL SER,MODULES 5301A/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	OCT82						
				OCT72 WA SER BELOW 1124A.MOD TO INSTAL INPUT OVERLOAD PROTECTION							
5303B		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW	JAN76 05303-90015 DEC83 05303-90015 JAN77 05303-90015		MAY83 05303-90016		8L	01	02	02	
		5300A-3 5303B-1 5303B-2		FEB74 WO ALL SER,MODULES 5301A/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	OCT82						
				JUL75 WN SER BELOW 1444A.PREF REPL FOR DECADE COUNTER							
				AUG82 WN SER 1940 & BELOW.REPL FOR HIGH FREQ BINARY P/N 1820-0736							
5304A		OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW	AUG73 05304-90006 DEC81 05304-90006 SEP77 05304-90006		FEB82 05304-90009		8L	01	02	02	
		5300A-3 5304A-U-1000 5304A-1		FEB74 WO ALL SER,MODULES 5301A/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	JAN79						
				FEB76 WO SER BELOW 1323U01150.CIR MOD TO A1U12							
				FEB77 WA SER BELOW 1704A03241;SER BELOW 1632U01490.MOD TO IMPR PERFORMANCE							
5305A		OPER & SERV MAN MAN CHANGE	OCT74 05305-90001 NOV75 05305-90001		OCT77 05305-90003		8L	01	02	02	
5305B		OPER & SERV MAN MAN CHANGE	AUG76 05305-90008 JAN83 05305-90008		MAY83 05305-90009		8L	01	02	02	
5306A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	OCT75 05306-90006 SEP82 05306-90006		NOV82 05306-90007		8L	01	02	02	
		5300A-3		FEB74 WO ALL SER MODULES 5301A/02A/03B/04A/06A/07A/10A/11A.MOD TO ENSURE PROPER SAFETY GROUND	JAN79						

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5312A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5312A-1A 5312A-2 5312A-3A 5312A-4B	SEP75 05312-90004 NOV81 05312-90004 APR83 MAR76 WN NEW TRBLSHTG PROC FOR OPER SERV MAN MAR78 WN ALL SER.OPER VERIF USING 9825A CNTRLR JAN81 WN INSTR FOR TRBLSHTG 5312A USING SIG ANALYSIS DEC82 WN ALL SER.OPER VERIFIC USING HP85A CONTROLLER	FEB82 05312-90005 8L 01 02 02
5314A	OPER & SERV MAN MAN CHANGE MAN CHANGE UK SERV NOTE SET BELOW 5314A-1 5314A-2 5314A-4	SEP78 05314-90001 AUG83 05314-90001 JUN81 05314-90001 JAN84 FEB79 WN SER 1816.REC MOD OF A1 MAIN BD ASSYS. JUN79 WO SER 1828 & BELOW.NEW A2 POWER SUPPLY ASSY. AUG83 WN SER 2016.MOD TO IMPR OPT 001(TCX0)PREF P/N 05314-60004	NOV83 05314-90002 8L 01 02 02

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5421A
5422B
5423A

DESCRIPTION ***

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*** DESCRIPTION ***											
5315A		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	SEP78 JUL79 AUG81 JUN85	05315-90001 05315-90014 05315-90021 05315-90021	SEP79 SEP81 OCT85	05315-90003* 05315-90015* 05315-90022	8L	01	02	03	USE 5315A FICHE 05315-90015 USE 5315A FICHE 05315-90022
5315A/B		SERV NOTE SET BELOW 5315A/B-1 5315A/B-2 5315A/B-3			OCT80 MAR80 APR80 MAY80	WO SER 1832A, 1824A, 1812A.MRC CHIP REPL PROC WN ALL SER.REPL P/N FOR YELLOW LED DISPLAYS WO ALL SER.MOD TO IMPROVE ELEC CONN ON A5 TRIANG SUPP ASSYS					
5315B		OPER & SERV MAN OPER & SERV MAN OPER & SERV MAN MAN CHANGE	SEP78 JUL79 AUG81 JUN85	05315-90001 05315-90014 05315-90021 05315-90021	SEP79 SEP81 OCT85	05315-90003* 05315-90015* 05315-90022	8L	01	02	03	USE 5315B FICHE 05315-90015 USE 5315B FICHE 05315-90022
5315B-006		INSTALL & SERV MAN MAN CHANGE	NOV79 MAR85	05315-90011 05315-90011	JUN85	05315-90017	8L	01	02	01	
5316A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5316A-1A 5316A-2 5316A-3B	MAY81 JUL85	05316-90001 05316-90001	OCT85	05316-90002	8L	01	02	03	
532A		OPER NOTE OPER & SERV MAN SERV NOTE SET BELOW 532A-1A	JUL69 OCT80 AUG66	00532-90012 00532-90016 ALL SER.STOP	OCT70 DEC80 MAY78	00532-90013* 00532-90017	01 8L	04 01	01 04	01 01	USE 532A FICHE 00352-90017
532B		OPER NOTE OPER & SERV MAN	JUL69 OCT80	00532-90012 00532-90016	OCT70 DEC80	00532-90013* 00532-90017	01 8L	04 01	01 04	01 01	USE 532B FICHE 00352-90017
5321A		OPER & SERV MAN SERV NOTE SET BELOW 5221A/5321A-1 5221A/5321A-2A 5221A/5321A-3A	JUL71	05221-9015	DEC75 APR79	05221-9016	8L	01	02	02	
5321B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5221B/5321B-1 5221B/5321B-2	APR71 JUL73	05221-9014 05221-9014	OCT84	05221-9017	8L	01	02	02	
5323A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5323A-1	NOV69 SEP76 APR72	05323-90005 05323-90005 WO SER BELOW 1144A.REPL FOR CRYSTAL OSCILLATOR ASSEMBLY	AUG77 JUL80	05323-90006	8L	01	02	03	
5325A		OPER & SERV MAN MAN CHANGE	JUL73 FEB75	05325-90013 05325-90013	OCT77	05325-90014	8L	01	02	03	
5325A-001		OPER & SERV MAN	JUL73	05325-90013	OCT77	05325-90014	8L	01	02	03	

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	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5221B/5321B-1 5221B/5321B-2	APR71 05221-9014 JUL73 05221-9014	OCT84 05221-9017 8L 01 02 02
		APR79 - WN MOD TO ENSURE ACCUR FREQ MEAS BELOW 100 KHZ MAR71 WN SER BELOW 0980A.MOD FOR COMPATIBILITY WITH 5055A DIGITAL RECORDER	
5323A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5323A-1	NOV69 05323-90005 SEP76 05323-90005	AUG77 05323-90006 8L 01 02 03 JUL80 APR72 WO SER BELOW 1144A.REPL FOR CRYSTAL OSCILLATOR ASSEMBLY
5325A	OPER & SERV MAN MAN CHANGE	JUL73 05325-90013 FEB75 05325-90013	OCT77 05325-90014 8L 01 02 03
5325A-001	OPER & SERV MAN	JUL73 05325-90013	OCT77 05325-90014 8L 01 02 03

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DESCRIPTION ***

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*** DESCRIPTION ***											
5325A-001		MAN CHANGE	FEB75	05325-90013	OCT77	05325-90014	8L	01	02	03	
5325A/B		SERV NOTE SET BELOW 5325A/B-1 5325A/B-2	APR72	WO SER BELOW 1112A.REC	JUL80	REPL FOR CRYSTAL OSCILLATOR ASSEMBLY					
			DEC72	WO TWO REV TO CNTR DISPLAY BOARD							
5325B		OPER & SERV MAN MAN CHANGE	JUL73	05325-90013	OCT77	05325-90014	8L	01	02	03	
5325B-001		OPER & SERV MAN MAN CHANGE	JUL73	05325-90013	OCT77	05325-90014	8L	01	02	03	
5326/5327		SERV NOTE SET BELOW 5326/5327-2 CONT'D	APR72	WO 5327A SER BELOW 1120A.5327B SER BELOW 1140A.5327C SER BELOW 1144A.MOD TO STOP	OCT82	550 MHZ INPT OVRLD.SUPER 5326/5327-1					
		5326A/B/C/ 5327A/B/C-3	DEC72	WO ALL SER.SERV TIP TO RED NOISE ON SIG INPTS & MARKER OUTPT FROM NEON TRIGGER LAMPS							
		5326A/B/C/ 5327A/B/C-4	JUL76	WO ALL SER.MOD TO STOP Q1 & Q2 FAILURES							
		5326A/B/C/ 5327A/B/C-5	JUL73	WN ALL SER.FIELD INSTAL OF OPT 011.							
		5326A/B/C/ 5327A/B/C-6	JUL73	WN ALL SER.FIELD INSTAL OF OPT 010							
		5326A/B/C/ 5327A/B/C-7	JUL73	WN ALL SER.OPT ADD OF FUSE TO PROTECT +175V POWER SUPPLY							
		5326A/B/C/ 5327A/B/C-8	MAY74	WO ALL SER.DSPLY TUBE DRIVER WARNING							
		5326A/B/C/ 5327A/B/C-9B CONT'D	JUL74	WA 5326A SER 1312A01906 TO 1312A03980,5326B SER 1312A02141 TO 1312A03015,5326C SER							
		5326B/5327B-10 5327B-11		1312A00451 TO 1312A00675,5327A SER 1312A00396 TO 1312A00590,5327B 1312A00546 TO							
			MAR80	WN ALL SER.REV IN-CABINET PREF CHECK							
			JUN82	WN ALL SER.PREF REPL FOR HIGH FREQ BINARY IC A18U4 (P/N 1820-0736)							
5326A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN CHANGE UK OPER & SERV MAN	MAR72	05326-90026	OCT74	05326-90031*	01	02	04	USE 5326A FICHE 05326-90040	
			SEP73	05326-90035	JUL80	05326-90040	8L	01	02	04 FOR SERIAL PFXES 1116A & ABOVE	
			MAY80	05326-90035							
			SEP76	05326-90035							
			JUN72	05326-90030	FEB85	05326-90045	8L	01	02	03 FOR SERIAL PFXES 1044A & BELOW	
5326B		OPER & SERV MAN MAN CHANGE MAN CHANGE UK OPER & SERV MAN	FEB75	05326-90043	JUL80	05326-90044	8L	01	02	04 FOR SERIAL PFXES 1128A & ABOVE	
			MAY80	05326-90043							
			DEC76	05326-90043							
			JUN72	05326-90030	FEB85	05326-90045	8L	01	02	03 FOR SERIAL PFXES 1124A & BELOW	
5326C		OPER & SERV MAN MAN CHANGE MAN CHANGE UK	JUN74	05326-90038	SEP77	05326-90039	8L	01	02	03	
			OCT76	05326-90038							
			DEC75	05326-90038							
5327A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN CHANGE UK	MAR72	05326-90026	OCT74	05326-90031*	01	02	04	USE 5327A FICHE 05326-90040	
			SEP73	05326-90035	JUL80	05326-90040	8L	01	02	04	
			MAY80	05326-90035							
			SEP76	05326-90035							
5327B		OPER & SERV MAN MAN CHANGE	FEB75	05326-90043	JUL80	05326-90044	8L	01	02	04	
			MAY80	05326-90043							

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5326C	OPER & SERV MAN MAN CHANGE MAN CHANGE UK	JUN74 05326-90038 OCT76 05326-90038 DEC75 05326-90038	SEP77 05326-90039 8L 01 02 03	FEB85 05326-90045 8L 01 02 03 FOR SERIAL PREFIXES 1124A & BELOW
5327A	OPER & SERV MAN OPER & SERV MAN MAN CHANGE MAN CHANGE UK	MAR72 05326-90026 SEP73 05326-90035 MAY80 05326-90035 SEP76 05326-90035	OCT74 05326-90031* 01 02 04 JUL80 05326-90040 8L 01 02 04	USE 5327A FICHE 05326-90040
5327B	OPER & SERV MAN MAN CHANGE	FEB75 05326-90043 MAY80 05326-90043	JUL80 05326-90044 8L 01 02 04	

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*** DESCRIPTION ***											
5327B		MAN CHANGE UK	DEC76	05326-90043	JUL80	05326-90044	8L	01	02	04	
5327C		OPER & SERV MAN MAN CHANGE MAN CHANGE UK	JUN74 OCT76 DEC75	05326-90038 05326-90038 05326-90038	SEP77	05326-90039	8L	01	02	03	
5328A		USERS MAN SERV MAN USERS MAN OPER & SERV MAN MAN CHANGE MAN CHANGE UK ADDENDUM TO O/S MAN SUBSYS MAN SERV NOTE SET BELOW	APR75 APR76 AUG76 APR79 FEB84 JAN82 JUL79 NOV76	05328-90002 05328-90011 05328-90017 05328-90076 05328-90076 05328-90076 05328-90078 09571-93011	JUL75 NOV78 OCT77 MAY84	05328-90010* 05328-90012* 05328-90018* 05328-90077	8L	01	02	02	USE 5328A FICHE 05328-90018 USE 5328A FICHE 05328-90077 USE 5328A FICHE 05328-90077
5328A-1			NOV75	WO SER BELOW 1548.MOD TO STOP LOSS OF DSPLYD READING WITH SAMPLE RATE IN HOLD							
5328A-2			NOV75	WO SER BELOW 1548.MOD TO STOP EXTRA COUNTS IN START CLOCK "PHANTOM FUNCTION"							
5328A-3			FEB77	WA MOD TO STOP ANNUNCIATOR LGHTING PROB							
5328A-4			FEB77	WA SER BELOW 1704A02560.SPURIOUS OSCIL IN ARM LINES							
5328A-U-4			JUN77	WA SER 1706U-00190 & BELOW.MOD TO PREVENT SPURIOUS OSCILLATION IN ARM LINES							
5328A-5A			NOV77	WO INSTAL PROC: OPT 041 PROG MODULE							
5328A-6			OCT77	WN ALL SER.REV OF MULTIPLIER PERF TEST FOR OPT 040,041							
5328A-7			OCT77	WN ALL SER.DELAY CHECK FOR OPT 040							
5328A-8			OCT77	WN ALL SER WITH OPT 040,041.REV OF ADJ OF A14 MULTIPLIER & NOISE GEN							
5328A-9A			FEB78	WN SER BELOW 1728A05785 (STD) & SER BELOW 1744A05710 (OPT 096).A2 PWR SUPPLY ADJ							
5328A-10			OCT77	WN ALL SER.MOD TO IMPR COMPATIBLTY OF A16 DISPLAY ASSYS							
5328A-11			NOV77	WO OPT 010 OVEN OSC SER BELOW 1728A03235; SER BELOW 1719U.PREF REPL FOR A3C5							
5328A-12			NOV77	WN OPT 011 HP-IB ALL SER.MISSING DECIMAL PT IN 5328A OPT 011 OUTPUT							
5328A-13			NOV77	WN OPT 041 PROG INPUT MODULE & OPT 096 (5328AF) ALL SER.REV OF DAC ADJ PROC							
5328A-14			JAN78	WN OPT 041 PROG INPUT MODULE ALL SER. REV OF IN-CAB PERF CHECK							
5328A-15			DEC77	WN SER 1804A05786 & UP STD; SER 1804A05861 & UP OPT 096.NEW A2 PWR SUPPLY ASSY							
5328A-U-15A			AUG78	WN SER 1818U-00761 & UP.REC REPL FOR A2 PWR SUPPLY ASSY							
5328A-16			FEB78	WN OPT 096 ALL SER.REV OF IN-CAB PERF CHECK							
5328A-17			MAR78	WN ALL SER OPT 011. REC HP-IB VERIF USING 9825A							
5328A-18			MAR78	WN STD,OPT 040, 041 ALL SER.OPER VERIF							
5328A-19B			JUL79	WA SER 1816 & BELOW.MOD TO IMPROVE TRIGGER LEVEL SETTINGS.							
5328A-20			AUG78	WN ALL SER.REC PROC FOR PERF TEST-5328A							
5328A-21			JUL78	WN ALL SER.REC PROC FOR ADJ FOR 5328A							
5328A-22A			JUL79	WN SERIES 1624 & 1632.SIGNATURE ANALYSIS TRBLSHTG PROC FOR OPT 011.							
5328A-23			DEC78	WO SER 1828-08626,08733,08743,08742,09052.REC IMPR TO A3 OSC SUPPORT ASSY.							
5328A-24			JUN79	WN ALL SER.REV OF A12 AMP ASSY SENSITIVITY-OFFSET ADJ PROC.							
5328A-25B			MAR80	WN SER 1952A13473 OR 1948U02430 & BELOW.MOD TO IMPROVE DAC SETTLLING TIME FOR OPT 041							
5328A-26			FEB80	WO SER 1936A13173 OR 1948U02280 & BELOW.MOD TO CORRECT INTERFACE PROB WITH THE HP 9845A							
5328A-27A		CONT'D									
5328A-28A			APR83	WN SER 1944A13473 & BELOW.HOW TO RETROFIT NEW A15 HP-IB ASSY (05328-60043)							
5328A-29A			JAN81	WN ALL SER.REV OF FREQ RESP & SENS PERF TESTS & OP VERIF FOR CHANNEL C (OPTS 030 & 031)							
5328A-30			JAN81	WN ALL SER.REV OF CHANNEL C SENSITIVITY PERF TESTS							
5328A-31			JAN81	WN OPT 030 SER 2016 & BELOW;H99 SER 2017 & BELOW.PREF REPL FOR A8U9 DUAL COMPARATOR							
5328A-32		CONT'D	DEC80	WC OPT 041 SER 2004 & BELOW;H99 SER 2017 & BELOW.NEW A12 AMP SHIELDED-RELAY (K4) TO PREVENT MAG INTERACTION WITH TWO ADJ REED RELAYS K3 & K5							
5328A-33C			APR81	WN ALL SER.XREF TABLE SHOWING A1U37 OPT ROMS TO CHANNEL C OPTS							
5328A-34C			DEC82	WN ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER							
5328A-35			DEC82	WN ALL SER.HP-IB VERIF.PROG USING HP 85A CONTROLLER							
5328A-36			NOV81	WN ALL SER OPT 021 PERF TEST UPDATE							
			JUN83	WN LIST OF OBS SERVICE NOTES							

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54470A
54470A-670
545A
5450
5450A
5451
5451-240
5451-241
5451-242
5451-243
5451-244
5451-245
5451-246
5451-247
5451-290
5451-291
5451-292
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5451-451

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R PANEL ASSY
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5328A-27A
5328A-28A
5328A-29A
5328A-30
5328A-31
CONT'D
5328A-32
5328A-33C
5328A-34C
5328A-35
5328A-36

APR83 WN SER 1944A13473 & BELOW.HOW TO RETROFIT NEW A15 HP-IB ASSY (05328-60043)
JAN81 WN ALL SER.REV OF FREQ RESP & SENS PERF TESTS & OP VERIF FOR CHANNEL C (OPTS 030 & 031)
JAN81 WN ALL SER.REV OF CHANNEL C SENSITIVITY PERF TESTS
JAN81 WN OPT 030 SER 2016 & BELOW;H99 SER 2017 & BELOW.PREF REPL FOR A8U9 DUAL COMPARATOR
DEC80 WC OPT 041 SER 2004 & BELOW;H99 SER 2017 & BELOW.NEW A12 AMP SHIELDED-RELAY (K4) TO
PREVENT MAG INTERACTION WITH TWO ADJ REED RELAYS K3 & K5
APR81 WN ALL SER.XREF TABLE SHOWING A1U37 OPT ROMS TO CHANNEL C OPTS
DEC82 WN ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER
DEC82 WN ALL SER.HP-IB VERIF.PROG USING HP 85A CONTROLLER
NOV81 WN ALL SER OPT 021 PERF TEST UPDATE
JUN83 WN LIST OF OBS SERVICE NOTES

5451-292
5451-293
5451-294
5451-295
5451-450
5451-451

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5328A

5328A-37B
5328A-38
5328A-39
5328A-40
5328A-41

APR84 WA ALL SER.MGD TO CORREC INTERM MISCOUNT
SEP83 WN SER 2304A & BELOW.(STD & H99 COUNTERS).MOD TO PREV INTERM GATE LIGHT INDICATION
MAR84 WN SER 2138A THRU 2402A.REPL CHNL-C SCHMITT AMPLF (ON ASSY 05328-60045)
OCT84 WA ALL SER.MOD TO PREV INSTR OSCIL AROUND 710 MHZ WHEN REPL 1836-0372 PRE-AMPS
DEC84 WA 5328A:ALL SER;5328AH99:2424 & BELOW.MOD TO TURN OFF FAN IN STANDBY MODE

5328A-C96

OPER & SERV MAN
MAN CHANGE

SEP78 05328-90069
DEC78 05328-90069 FEB79 05328-90070 8L 01 02 03

5328A-H42

OPER & SERV MAN
MAN CHANGE

JUN78 05328-90055
DEC78 05328-90055 FEB79 05328-90056 8L 01 02 03

5328A-H99

OPER & SERV MAN
OPER & SERV MAN
MAN CHANGE

JUN80 05328-90082
JUN84 05328-90101
MAY85 05328-90101 FEB84 05328-90083* 8L 01 02 04 USE 5328A-H99 FICHE 05328-90102
OCT85 05328-90102 8L 01 02 04

5328A-010

USERS MAN
USERS MAN

APR75 05328-90002
AUG76 05328-90017 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077

5328A-011

USERS MAN
USERS MAN
INSTALL & SERV MAN
INSTALL & SERV MAN
MAN CHANGE

APR75 05328-90002
AUG76 05328-90017
DEC76 05328-90019
JUN83 05328-90093
MAY84 05328-90093 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077
SEP82 05328-90020* 8L 01 02 02 USE 5328A-011 FICHE 05328-90094
SEP84 05328-90094 8L 01 02 01

5328A-020

USERS MAN
USERS MAN
INSTALL & SERV MAN
MAN CHANGE

APR75 05328-90002
AUG76 05328-90017
DEC76 05328-90027
MAR82 05328-90027 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077
JUL82 05328-90028 8L 01 02 01

5328A-021

USERS MAN
USERS MAN
INSTALL & SERV MAN
INSTALL & SERV MAN
MAN CHANGE

APR75 05328-90002
AUG76 05328-90017
JAN77 05328-90021
JUL83 05328-90095
APR84 05328-90095 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077
MAY82 05328-90022* 8L 01 02 02 USE 5328A-020 FICHE 05328-90096
SEP84 05328-90096 8L 01 02 01

5328A-030

USERS MAN
USERS MAN
INSTALL & SERV MAN
MAN CHANGE
MAN CHANGE UK

APR75 05328-90002
AUG76 05328-90017
SEP76 05328-90023
DEC83 05328-90023
APR80 05328-90023 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077
FEB84 05328-90024 8L 01 02 01

5328A-031

INSTALL & SERV MAN
MAN CHANGE
MAN CHANGE UK
USERS MAN

SEP76 05328-90015
JAN83 05328-90015
APR80 05328-90015
AUG76 05328-90017 MAY83 05328-90016 8L 01 02 01
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077

5328A-040

USERS MAN
USERS MAN
INSTALL & SERV MAN
MAN CHANGE
MAN CHANGE UK

APR75 05328-90002
AUG76 05328-90017
FEB77 05328-90025
OCT82 05328-90025
AUG81 05328-90025 JUL75 05328-90010* 8L 01 02 02 USE 5328A FICHE 05328-90018
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077
MAY83 05328-90026 8L 01 02 02

5328A-041

INSTALL & SERV MAN
USERS MAN

AUG76 05328-90013
AUG76 05328-90017 JAN78 05328-90014* 8L 01 02 02 USE 5328A-041 FICHE 05328-90060
OCT77 05328-90018* 8L 01 02 02 USE 5328A FICHE 05328-90077

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5451A

5451A OPTS

5451A-074

5451A-080

5451A-081

5451A-225

5451A-250

5451A-251

5451A-252

5451A/B

5451B

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	USERS MAN	AUG76 05328-90017	OCT77 05328-90018*	8L 01 02 02	USE 5328A FICHE 05328-90077
5328A-040	USERS MAN	APR75 05328-90002	JUL75 05328-90010*	8L 01 02 02	USE 5328A FICHE 05328-90018
	USERS MAN	AUG76 05328-90017	OCT77 05328-90018*	8L 01 02 02	USE 5328A FICHE 05328-90077
	INSTALL & SERV MAN	FEB77 05328-90025	MAY83 05328-90026	8L 01 02 02	
	MAN CHANGE	OCT82 05328-90025			
	MAN CHANGE UK	AUG81 05328-90025			
5328A-041	INSTALL & SERV MAN	AUG76 05328-90013	JAN78 05328-90014*	8L 01 02 02	USE 5328A-041 FICHE 05328-90060
	USERS MAN	AUG76 05328-90017	OCT77 05328-90018*	8L 01 02 02	USE 5328A FICHE 05328-90077

5451B

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
5328A-041		INSTALL & SERV MAN MAN CHANGE	MAR78	05328-90059	SEP84	05328-90060	8L	01	02	02	
			FEB84	05328-90059							
5328A-098		OPER INSTRUCT	AUG80	05328-90087	SEP80	05328-90088	8L	01	02	01	
5328AF/096		OPER & SERV MAN	JUN77	05328-90038	NOV78	05328-90039*	8L	01	02	04	USE 5328AF/096 FICHE 05328-90062
		OPER & SERV MAN	JUN78	05328-90061	JUN79	05328-90062	8L	01	02	03	
		MAN CHANGE	FEB79	05328-90061							
5328AF/098		OPER & SERV MAN	SEP78	05328-90067	FEB79	05328-90068*	8L	01	02	02	USE 5328AH99-098 FICHE 05328-90086
5328AH99-098		OPER & SERV MAN	AUG80	05328-90085	DEC84	05328-90086	8L	01	02	02	
		MAN CHANGE	OCT84	05328-90085							
5328B		OPER & SERV MAN	FEB85	05328-90108	AUG85	05328-90109	8L	01	02	05	
		MAN CHANGE	MAR85	05328-90108							
		SERV NOTE SET BELOW			JUL85						
		5328B-1	OCT84	WA ALL SER.MOD TO PREV INSTR OSCIL AROUND 710 MHZ WHEN REPL 1836-0372 PRE-AMPS							
		5328B-2	DEC84	WA SER 2424 & BELOW.MOD TO TURN OFF FAN IN STANDBY MODE							
5330A		OPER & SERV MAN	JUL73	05330-90011	JAN74	05330-90012		01	02	03	
		MAN CHANGE	OCT73	05330-90011							
5330B		OPER & SERV MAN	JUL73	05330-90011	JAN74	05330-90012		01	02	03	
		MAN CHANGE	OCT73	05330-90011							
5331A		OPER & SERV MAN	SEP68	05331-90004	JUN75	05331-90006		01	02	03	
		MAN CHANGE	DEC73	05331-90004							
5331B		OPER & SERV MAN	SEP68	05331-90004	JUN75	05331-90006		01	02	03	
		MAN CHANGE	DEC73	05331-90004							
5332A		OPER & SERV MAN	SEP68	05331-90004	JUN75	05331-90006		01	02	03	
		MAN CHANGE	DEC73	05331-90004							
5332B		OPER & SERV MAN	SEP68	05331-90004	JUN75	05331-90006		01	02	03	
		MAN CHANGE	DEC73	05331-90004							
5334A		SERV MAN	MAR85	05334-90004	AUG85	05334-90005	8L	01	02	04	
		MAN CHANGE	MAR85	04334-90004							
		OPER & PROG MAN	MAY85	05334-90016	OCT85	05334-90017	8L	01	02	02	
		SERV NOTE SET BELOW			JAN85						
		5334A-1	MAY84	WA SER 2245A00391 & BELOW.HP-IB EPROM MOD TO INSURE I/O CLEAR							
		5334A-2	MAY84	WA SER 2245A00326 & BELOW WITH OPT 020.MEAS EPROM UPDATE FOR CORREC DVM READING							
		5334A-3	JUL84	WO SER 2350A & BELOW.MOD TO NEUTRILIZE FALSE PEAK DETECT							
		5334A-4	JUL84	WO SER 2350A00491 & BELOW.SOLUTION TO FRT PAN MEMORY RECALL PROB							
5334R		OPER & SERV MAN	AUG84	05334-90011	NOV84	05334-90012	8L	01	02	02	
5335A		OPER MAN	APR80	05335-90001	NOV80	05335-90017*	8L	01	02	02	USE FICHE 05335-90022
		OPER MAN	MAR83	05335-90021	OCT85	05335-90022	8L	01	02	05	
		MAN CHANGE	APR85	05335-90021							
		SERV NOTE SET BELOW			OCT84						
		5335A-1B	MAR81	WN ALL SER.5335A HP-IB VERIF PROG (REV B) USING 9825A CONTROLLER							
		5335A-3	DEC80	WN ALL SER.HOW TO USE SERV AID BD (05335-60013)							

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5451B

5451B MODAL

5451B OPTS

5451B**

5451B***

5451B-MADIU

5451B-020

5451B-021

5451B-022

5451B-023

5451B-060

5451B-061

5451B-074

5451B-110

5451B-157

5451B-226

5451B-227

5451B-228

5451B-250

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
5335A		5335A-4	MAR81	WN ALL SER.PROG INPUT AMP ADJ PROCS (OPT 040)							

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5334R OPER & SERV MAN AUG84 05334-90011 NOV84 05334-90012 8L 01 02 02
 5335A OPER MAN APR80 05335-90001 NOV80 05335-90017* 8L 01 02 02 USE FICHE 05335-90022
 OPER MAN MAR83 05335-90021 OCT85 05335-90022 8L 01 02 05
 MAN CHANGE APR85 05335-90021
 SERV NOTE SET BELOW OCT84
 5335A-1B MAR81 WN ALL SER.5335A HP-IB VERIF PROG (REV B) USING 9825A CONTROLLER
 5335A-3 DEC80 WN ALL SER.HOW TO USE SERV AID BD (05335-60013)

5451B-157
 5451B-226
 5451B-227
 5451B-228
 5451B-250

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5335A 5335A-4 MAR81 WN ALL SER.PROG INPUT AMP ADJ PROCS (OPT 040)
 5335A-5A NOV81 WN ALL SER.MOD TO PREVENT INPUT BUFFER AMP FAILURES
 5335A-6A SEP81 WO ALL SER.REV OF A1 PWR SUPPLY ADJS
 5335A-7B APR82 WN ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER
 5335A-8 SEP81 WN ALL SER.KEY CAP P/N REPL
 5335A-9 NOV81 WN ALL SER PERF TEST FOR 5335A & ALL OPT
 5335A-10A MAY82 WO ALL SER.MOD TO ENHANCE INTERPOLATOR PERF
 5335A-11A JUL82 WA ALL SER.MOD TO PREVENT FRONT PANEL LOCKUP
 5335A-12 MAY82 WA SER 2120 & ABOVE.ADJ PROC FOR A6 REAR PANEL ASSY P/N 05335-61006
 5335A-13 MAY82 WO SER 2120 & BELOW.MOD TO COMAT OF A3 (P/N 05335-6003).WITH A2 (P/N 05335-6002)
 5335A-14 MAY82 WN ALL SER.FIELD INSTL PROC FOR OPT 040
 5335A-15 SEP82 WA SER 2224 & BELOW.MOD TO IMPR PERF OF X10 ATTEN CIR OPT 040
 5335A-16 JUN83 WN LIST OF OBS SERVICE NOTES
 5335A-17 AUG83 WN ALL SER.REPL FRT END SCHMITT AMP L F
 5335A-18 MAY84 WO ALL SER.INSTAL FIRMWARE (ROM) REV 1-1

5335A-040 TEMP OP/SVC ADDEND AUG81 05335-90020 MAY83 05335-90021* 8L 01 02 02 USE 5335A FICHE 05335-90022

5340A OPER & SERV MAN SEP75 05340-90021 JUN85 05340-90022 8L 01 02 05
 MAN CHANGE APR85 05340-90021
 SERV NOTE SET BELOW OCT85
 5340A-1 APR73 WA SER BELOW 1252A00269.MOD TO ELIM OSCILLATION ON IX-Z INPUT
 5340A-2 JUN73 WA SER BELOW 1320A00450.MOD TO IMPR CHASSIS VIBRATION STABILITY
 5340A-3 JUL73 WN ALL SER.OPT 003 REMOTE PROG TROUBLESHOOTING & CHECKOUT AID
 5340A-4 APR73 WO ALL SER.MIXER ASSY.ALL CALIB AFTER A11U1 REPLACEMENT
 5340A-5 SEP73 WN ALL SER.REC REPL FOR IC 1820-0753 IS 1820-1179
 5340A-6 JAN74 WO ALL SER.ADJ TO CORREC INTERMIT DSPLY OF ALL ZEROS OR PROLONGED ACQUISITION TIME WITH
 CONT'D HIGH LEVEL (0 DBM) 6 TO 11 GHz INPT SIGNAL
 5340A-7 FEB74 WO ALL SER.A25 DSPLY ASSY DECODER/DRIVERS TO BE REPL BY SELECTED INTEGRATER CIR ONLY
 5340A-8 FEB77 WN ALL SER.USING A LOGIC STATE ANALYZER FOR 5340A ASM TRBLSHTG
 5340A-9A FEB80 WO SER BELOW 1644A04200 LINE FSE CHNG FOR IMPR TRANSFORMER PROTECTION
 5340A-10 MAY77 WN SER 1644A04300 & UP.THERM SWTCH CHNG
 5340A-11 OCT77 WN HP-IB VERIF PROG FOR 5340A OPT 011
 5340A-12 MAY79 WO ALL SER.A1 & A2 PREAMP TRBLSHTG INFO.
 5340A-13A NOV79 WO SER 1936A & BELOW.REC REPL FOR A17 DIRECT COUNT AMP
 5340A-14A AUG80 WO SER 2008A06050 & BELOW.CONV TO LED DIG DISPLAY
 5340A-15 MAY80 WO SER 2088 & ABOVE.TEST PROC TO VERIFY -DBM SENS, 18GHZ TO 23GHZ AT ROOM TEMP
 5340A-17 NOV80 WN ALL SER.INSTRUCT FOR REPL A1 PREAMP ASSY
 5340A-18 NOV80 WN ALL SER.INSTRUCT FOR REPL A2 PREAMP ASSY
 5340A-19 FEB81 WN SER PFX 2112A & ABOVE.INSTR FOR PERF ADJ 5 & 6 (RE VCO 1 AND BCO 2 OUTPUTS)
 5340A-20 JUL81 WO SER 2116 & BELOW.MOD TO PREVENT RANDOM GATING FLAW (40 GHZ INDICATED FOR A LOWER
 CONT'D FREQ SIGNAL INPUT)
 5340A-21A APR85 WN ALL SER.OPT 006 MICROWAVE LIMITER RETRCFIT

5340A-006 OPER & SERV MAN AUG81 05340-90031 OCT81 05340-90032 8L 01 02 01

5341A OPER & SERV MAN JUL77 05341-90005 JUL80 05341-90006 8L 01 02 04
 MAN CHANGE APR80 05341-90005
 SERV NOTE SET BELOW JUL82
 5341A-2 DEC76 WO ALL SER.REV OF ADJ PROC FOR A5 IF BRD & A4 PRESCALER BRD.SUPER 5341A-1
 5341A-3 APR76 WN ALL SER.EXPLAN OF 5341A APPLICATION PROB UNDER HI INPT SIGNAL LEVELS
 5341A-4 DEC76 WO SER BELOW 1632A00410.MOD TO ADDRESS SWITCHES ON 5341A WITH HP-IB OPT (OPT 11)
 5341-5 MAY79 WO ALL SER.PREF REPL PART FOR ASSY A4.
 5341A-6 MAR82 WN ALL SER.74LS REPL PN FOR 74L SER TTL ICs

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5451B-251
 5451B-252
 5451B-270
 5451B-271
 5451B-272
 5451B-273
 5451B-274
 5451B-300
 5451B-310
 5451B-320
 5451B-350

5451B-400
 5451B-401
 5451B-402
 5451B-403
 5451B-420
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5342A OPER & SERV MAN FEB79 05342-90013 OCT85 05342-90014 8L 01 02 06
 MAN CHANGE JUN85 05342-90013
 SERV NOTE SET BELOW

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5451B-450

MAN CHANGE
SERV NOTE SET BELOW
5341A-2
5341A-3
5341A-4
5341-5
5341A-6

APR80 05341-90005
JUL82
DEC76 WO ALL SER.REV OF ADJ PROC FOR A5 IF BRD & A4 PRESCALER BRD.SUPER 5341A-1
APR76 WN ALL SER.EXPLAN OF 5341A APPLICATION PROB UNDER HI INPT SIGNAL LEVELS
DEC76 WO SER BELOW 1632A00410.MOD TO ADDRESS SWITCHES ON 5341A WITH HP-IB OPT (OPT 11)
MAY79 WO ALL SER.PREF REPL PART FOR ASSY A4.
MAR82 WN ALL SER.74LS REPL PN FOR 74L SER TTL ICS

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5342A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	FEB79	05342-90013	OCT85	05342-90014	8L	01	02	06	
		5342A-1	MAR78	WN ALL SER.HP-IB PROG NOTES							
		5342A-2	MAR78	WO SER BELOW 1720A00225.ADD OF DE-BOUNCE CAP TO A2 DISPLAY DRIVER							
		5342A-3	MAR78	WN ALL SER.PROC FOR SELECTING A3R15							
		5342A-4	MAR78	WO ALL SER.PROC FOR SEL A3R16 & C10							
		5342A-5	MAR78	WN ALL SER.PROC FOR SEL A9R16							
		5342A-6	MAR78	WO SER BELOW 1720A00225.ADD OF A14 CAP TO FIX FLICKERING DISPLAY SEGS							
		5342A-7	MAR78	WN SER 1804A00226 & UP.PREF REPL FOR A14 ROMS							
		5342A-8	MAR78	WO SER BELOW 1720A00225.INCR FILTERING OF +5V SUPPLY ON STD OSC							
		5342A-9A	APR80	WO SER 1812 & BELOW.REC PROC TO CORRECT FALSE FREQ READOUT.							
		5342A-10B CONTD	SEP80	WO SER PRIOR TO 2020 & SER.2020 & ABOVE WITH OPT 002.REC PROC FOR REPL LO FREQ INPUT FUSE							
		5342A-11B	JAN80	WO ALL SER.REC PROC FOR REPL GROUND FINGERS ON ASSYS A4, A5, & A8							
		5342A-12	MAR79	WN ALL SER.INFO TO AID IN TRBLSHTNG A3,A4,A5,A6,A7,A8,A9,A11,A12,A13,A14,A25,&A26 ASSYS							
		5342A-13	MAY79	WO ALL SER.MOD TO PREVENT TALK ONLY PROBLEM.							
		5342A-14	SEP79	WO ALL SER.INFO TO AID IN TRBLSHTNG & REPAIR OF A26 SAMPLER DRIVER ASSY							
		5342A-15	OCT79	WO ALL SER.MOD TO CHECK FOR A15 HP-IB SRQ JUMPER IN THE EVENT OF NO RESPONSE TO SRQ							
		5342A-16	OCT79	WO ALL SER.PWR SUPPLY ADJ PROCEDURES							
		5342A-17	NOV79	WO IF TRBLSHTNG INFO							
		5342A-18	NOV79	WA ALL SER BEFORE 1916.PREF REPL FOR POWER SUPPLY CAPS C6 & C9							
		5342A-19	NOV79	WA MOD TO ADD GROUND CONN TO EFC LINE TO IMPROVE STABILITY ON OPT 001 UNITS							
		5342A-20A	SEP80	WO SER AFTER PFX 2020.ADD OF FUSED BNC LOW FREQ INPUT CONN FOR INSTRUMENT PROTECTION							
		5342A-21	MAY80	WO SER BELOW 1828.REC METHOD TO REDUCE IF NOISE ON INSTR WITH OPT 004 (DAC OPT)							
		5342A-22A	JUL80	WO SER 2014 & ABOVE.OPT 005 TEST & TRBLSHTNG PROC							
		5342A-23	MAY80	WO SER 2024 & BELOW.MOD TO INSTALL GUARD PLATE TO PROTECT CABLES							
		5342A-25	MAY80	WO SER 2020 & BELOW.MOD TO CORRECT MISCOUNTING ABOVE 6GHZ							
		5342A-26	SEP80	INSTRUCT FOR INSTALL AMP MSMT OPT 002 (RETROFIT KIT 05342-60200)							
		5342A-27	JUN81	WN INSTALL OF EXT DYNAMIC RANGE OPT 003 RETROFIT KIT PN 05342-60201							
		5342A-28	JUN81	WN INSTALL TO DIGITAL-TO-ANALOG CONV (DAC) OPT 004 RETROFIT KIT PN 05342-60202							
		5342A-29	NOV80	WN ALL SER.IMPR OPT 002 TRBLSHTNG PROC ALLOYS ANALOG LOOP CHECKOUT							
		5342A-30	NOV80	WO SER 1720 & BELOW.MOD TO IMPR OPER AT HI AMBIENT TEMP							
		5342A-31	AUG81	WN ALL SER.OPT 006 MICROWAVE LIMITER RETROFIT							
		5342A-32A	JAN82	WN ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER							
		5342A-33 CONT'D	SEP81	WO SER PFX BEFORE 2125A FOR LINE FILTER & VAR UPGRADE;ALL SER BEFORE 2142A05041 FOR PWR XSISTOR UPGRADE.PWR SUPPLY REL IMPR							
		5342A-34	AUG82	WN SER 1808A00525 & BELOW.REC REPL FOR A16 AMPLITUDE OPT BD (05342-60016)							
		5342A-35	JUL82	WN ALL SER.FRONT PANEL REPL PARTS & PROC							
		5342A-36	AUG82	WO SER 2207A & BELOW.ADD CAPAC REQUIR WHEN CHANG IC A3U5 P/N 1820-0982							
		5342A-37	AUG82	WO SER 2104A04095 & BELOW.REPL FOR A10U6 DIVIDE-BY-N ASSEMB							
		5342A-38	SEP82	WO SER 2244A06615 & BELOW.A18 TIME BASE BUFFER & A21 PWR SUPPLY ASSEMB COMP							
		5342A-39	SEP82	WO SER 2228A & BELOW.RESIST REQ WHEN CHANG A10U2							
		5342A-40	DEC82	WO SER 2244A & BELOW.MOD REQUIR WHEN CHANG A13U1/U2							
		5342A-41A	APR84	WO SER 2317A07386 THRU 2317A07905.MOD TO PREV HIGH FREQ MISCOUNT							
		5342A-42A	MAR85	WO SER 2440A09236 & BELOW.MOD TO PREV HIGH FREQ MISCOUNT							
		5342A-43	JAN85	WN SER 2428A8916 TO 2440A9306.REC IC REPL TO PREV MISCOUNTS							
5342A-H14		OPER INFO MAN CHANGE MAN SUPP	APR81	05342-90032	AUG84	05342-90033	8L	01	02	01	
			JUL81	05342-90032							
			MAY81	05342-90034	JUL84	05342-90035	8L	01	02	01	
5342A-H16		SUPP TO OP&SERV MAN MAN CHANGE	DEC81	05342-90039	NOV83	05342-90040	8L	01	02	01	
			JUL83	05342-90039							

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5451B-450

5451B-451

5451B-452

5451B-453

5451B-620

5451B-640

5451B-670

5451B-720

5451B-730

5451B-740

5451B/5477A

5451C

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5342A-006		OPER & SERV MAN	AUG81	05342-90037	OCT81	05342-90038	8L	01	02	01	
5343A		OPER & SERV MAN MAN CHANGE	APR80	05343-90007	OCT85	05343-90008	8L	01	02	05	
			JUN85	05343-90007							

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NUMBER

5451C

5342A-H16 MAN CHANGE MAN SUPP
 APR81 05342-90032 JUL81 05342-90032
 MAY81 05342-90034 JUL84 05342-90035 8L 01 02 01
 SUPP TO OP&SERV MAN DEC81 05342-90039 NOV83 05342-90040 8L 01 02 01
 MAN CHANGE JUL83 05342-90039

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5342A-006		OPER & SERV MAN	AUG81	05342-90037	OCT81	05342-90038	8L	01	02	01	
5343A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	APR80 JUN85	05343-90007 05343-90007	OCT85	05343-90008	8L	01	02	05	
		5343A-1	MAY80	WO SER 2024 & BELOW.MOD TO INSTALL GUARD PLATE TO PROTECT CABLES							
		5343A-3	NOV80	WO SER 2108A & BELOW.METHOD TO CURE MISCOUNTING ON INSTR WITH OPT 004 (DAC OPT)							
		5343-4	MAY80	WO SER 2020 & BELOW.MOD TO CORRECT MISCOUNTING ABOVE 6GHZ							
		5343A-5	MAY80	WO SER 1936A & BELOW.MOD TO CORRECT MISCOUNT ABOVE 26GHZ							
		5343A-6	FEB80	WO ALL SER.MOD TO ADD JUMPER TO U15 ON A16 ASSY TO IMPROVE RAM READ/WRITE PERF							
		5343A-7	JUN80	WO ALL SER.PROC TO CORRECT MISCOUNTS BETWEEN 24-26.5GHZ							
		5343A-8	NOV80	WO SER 2026 & BELOW.MOD PROC TO CORRECT MISCOUNT BETWEEN 18 & 26.5 GHZ							
		5343A-9	NOV80	WO SER 2026 & BELOW.MOD TO IMPROVE OPER AT HI AMBIENT TEMPS							
		5343A-10	AUG81	WN ALL SER.OPT 006 MICROWAVE LIMITER RETROFIT							
		5343A-11A	JAN82	WN ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER							
		5343A-12	AUG82	WN ALL SER.FRONT PANEL REPL PARTS & PROC							
		5343A-13	AUG82	WO SER 2207A & BELOW.ADD CAPAC REQUIR WHEN CHANG IC A3U5 P/N 1820-0982							
		5343A-14	AUG82	WO SER 2104A00335 & BELOW.REPL FOR A10U6 DIVIDE-BY-N ASSEMB							
		5343A-15	AUG82	WA SER 2204A & BELOW.ROM CHANGE CORREC MISCOUNTS & LIMIT ERRORS IN MANUAL MODE							
		5343A-16	SEP82	WO SER 2228A & BELOW.RESIST REG WHEN CHANGE A10U2							
		5343A-17	SEP82	WO SER 2232A00845 & BELOW.A18 TIME BASE BUFFER & A21 PWR SUPPLY ASSY COMP							
		5343A-18	DEC82	WO SER 2244A & BELOW.MOD REQUIR WHEN CHANG A13U1/U2							
		5343A-19A	APR84	WO SER 2317A07386 THRU 2317A07905.MOD TO PREV HIGH FREQ MISCOUNT							
		5343A-20A	MAR85	WO SER 2424A01674.MOD TO PREV HIGH FREQ MISCOUNT							
		5343A-21	JAN85	WN SER 2428A1736 TO 2440A1956.REC IC REPL TO PREV MISCOUNTS							
5343A-006		OPER & SERV MAN	AUG81	05343-90011	OCT81	05343-90012	8L	01	02	01	
5344S		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	SEP83 JUL85	05344-90009 05344-90009	OCT85	05344-90010	8L	01	02	05	
		5344S-1			JAN83						
			SEP82	WA SER LIST IN TEXT BD CHANGE CORREC REMOT COMMAND BEING IGNORE AFTER LOCAL LOCKOUT							
5345A		USERS HANDBOOK OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	JAN00 FEB77 MAY85	05345-90015 05345-90025 05345-90025	SEP74 OCT85	05345-90016 05345-90026					01 02 01 8L 01 02 06
		5345A-1	JAN75	WO SER 1428 & DOWN-INPT AMPLFR FAILURES							
		5345A-2	APR75	WO SER 1428 & UP.INPT AMPLFR FAILURES							
		5345A-3	DEC75	WO SER BELOW 1528.INPT AMPLFR SWTCH FAIL							
		5345A-4	MAY75	WO SER BELOW 1616A/OPT 012 BRD.MOD TO IMPROVE PERFORMANCE							
		5345A-5	MAY77	ALL SER.AIR FILTER REMOVAL							
		5345A-6	JUL77	WN A9 MAINGATE ASSY.TBLSHTG PROCEDURE							
		5345A-7	JUL77	WN A11 SCALER ASSY.TBLSHTG PROCEDURE							
		5345A-8	JUL77	WN A10 GATE CONTROL ASSY.TBLSHTG PROCD							
		5345A-9B	JAN81	WN REC HP-IB VERIF PROG, OPT U11							
		5345A-10A	DEC79	WO SER BELOW 1708.RES CHANGES TO A4 INPUT TRIGGER ASSY (05345-60004)							
		5345A-11	MAR78	WO ALL SER.MOD TO A7 LINEAR REG ASSY (05345-60007) TO IMPR +15 V SUPPLY							
		5345A-12B	JAN81	WN REC HP-IB VERIF PROG OPT 011							
		5345A-13	MAY78	WN ALL SER.CLARIFICATION OF SPEC EXTENDER BD COMPATIBILITY WITH 5345A COUNTERS							
		5345A-14	MAY79	WA ALL SER.ELIM OF SHORTING BETWEEN CIRC BDS & BD SOCKETS.							
		5345A-15	JUN79	WO SER 1920A & BELOW.MOD TO IMPROVE MECH INTERCONNECTION WITH PLUG-INS.							
		5345A-16A	MAY80	WO A13 BDS WITH SERIES 1820 & 1912.MOD TO PREVENT MISCOUNT ON REG CLK LINE.							
		5345A-17	MAR81	WN ALL SER.SUMMARY OF A3 & A4 ASSY U1 AND U2 CHANGES, RP NOS, & BIAS ADJ							
		5345A-18	SEP81	WN ALL SER.ROM P/N CHANGES							

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 5451C
 5451C-350
 5451C-402
 5451C-403
 5451C-404
 5451C-450
 5451C-451
 5452
 5452A
 5453A
 5453A-100

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5345A		5345A-19A 5345A-20A 5345A-21 5345A-22 5345A-23 5345A-24	JAN82 JAN82 SEP81 FEB82 MAR84	WN ALL SER.HP-IB VERIF PROG FOR 5345A OPT 011 WN ALL SER.HP-IB VERIF PROG FOR 5345A OPT 012 WO ALL SER.HP-IB MOD FOR OPT 012 COMPAT WITH HP 1000L SERIES COMPUTERS WO ALL OPT & SER PREF.MOD TO IMPROVE INPUT SENSI WA ALL SER(OPT 012).MOD TO ALLOW COUNTER TO RESPOND PROPERLY TO SERIAL POLL							

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 546A

5345A-14
5345A-15
5345A-16A
5345A-17
5345A-18

MAY79 WA ALL SER.ELIM OF SHORTING BETWEEN CIRC BDS & BD SOCKETS.
JUN79 WO SER 1920A & BELOW.MOD TO IMPROVE MECH INTERCONNECTION WITH PLUG-INS.
MAY80 WO A13 BDS WITH SERIES 1820 & 1912.MOD TO PREVENT MISCOUNT ON REG CLK LINE.
MAR81 WN ALL SER.SUMMARY OF A3 & A4 ASSY U1 AND U2 CHANGES, RP NOS, & BIAS ADJ
SEP81 WN ALL SER.ROM P/N CHANGES

5453A-100

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MAN
CHAI
INS

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5345A 5345A-19A JAN82 WN ALL SER.HP-IB VERIF PROG FOR 5345A OPT 011
5345A-20A JAN82 WN ALL SER.HP-IB VERIF PROG FOR 5345A OPT 012
5345A-21 SEP81 WO ALL SER.HP-IB MOD FOR OPT 012 COMPAT WITH HP 1000L SERIES COMPUTERS
5345A-22 FEB82 WO ALL OPT & SER PREF.MOD TO IMPROVE INPUT SENSI
5345A-23 MAR84 WA ALL SER(OPT 012).MOD TO ALLOW COUNTER TO RESPOND PROPERLY TO SERIAL POLL
5345A-24 MAR84 WA SER 2134A07500 THRU 2346A10040.MOD TO PREV MISCOUNT PROBLEM WHEN USED WITH 5355A
5345A-25 MAR84 WO ALL SER.MOD TO ELIM TEMP SENSI INPUT AMPLF
5345A-26 FEB85 WN SER 2242A10310 & BELOW.INSTRUC TO RETROFIT A STANDARD 5345A TO OPT 012(ORIGNAL
CONT'D VERSION FRT END)
5345A-27 FEB85 WN SER 2242A10311 & ABOVE.INSTRUC TO RETROFIT A STANDARD 5345A TO OPT 012(NEW VERSION
CONT'D FRT END)
5345A-28 FEB85 WN SER 2420A10310 & BELOW.INSTRUC TO UPDATE FRT END FOR OPT 012
5345A-29 FEB85 WN SER 2420A10310 & BELOW.INSTRUC,TO UPDATE FRT END FOR EITHER STANDARD 5345A OR
CONT'D 5345A OPT 011(ORIGINAL VERSION FRT END
5345A-30 FEB85 WN SER 2420A10310 & BELOW.INSTRUC TO RETROFIT STANDARD 5345A OPT 012 & TO UPDATE FRT
CONT'D END CIR
5345A-31 MAR85 WA SER 2420 & BELOW.MOD FOR OPT 011 COMPUTER DUMP MODE COMPAT WITH SERIES 200 COMPUTERS
5345A-32 MAR85 WA SER 2420 & BELOW.MOD FOR OPT 012 COMPUTER DUMP MODE COMPAT WITH SERIES 200 COMPUTERS
5345A-33 MAR85 WA ALL SER.MOD TO ALLEVIATE CROSSTALK FROM CHNL A TO CHNL B
5345A-34 MAR85 WN ALL SER.USE 10 MHZ FILTER TO PREV MISCOUNT DUE TOSYNTHESIZED GEN
5345A-35 MAR85 WN ALL SER.HOW TO PREV MISCOUNTS IN T1 AND RATIO MODES
5345A-36 MAR85 WN SER 2420A10311 & ABOVE.INCORREC ARTWORK ON REV A OF A20 FILTER ASSY (05345-60130)

5345A-011 OPER NOTE FEB74 05345-90011 APR74 05345-90012 01 02 01

5345A-012 OP & SERV MAN SUPP JAN00 05345-90022 SEP75 05345-90023* 8L 01 02 01 USE 5345A FICHE 05345-90026

5350A OPER & PROG MAN FEB85 05350-90001 AUG85 05350-90002 8L 01 02 03
MAN CHANGE MAR85 05350-90001
SERV MAN FEB85 05350-90010 AUG85 05350-90011 8L 01 02 05
MAN CHANGE MAR85 05350-90010
OPER & PROG MAN APR85 05350-90012 JUL85 05350-90013 8L 01 02 03

5351A OPER & PROG MAN FEB85 05350-90001 AUG85 05350-90002 8L 01 02 03
MAN CHANGE MAR85 05350-90001
SERV MAN FEB85 05350-90010 AUG85 05350-90011 8L 01 02 05
MAN CHANGE MAR85 05350-90010
OPER & PROG MAN APR85 05350-90012 JUL85 05350-90013 8L 01 02 03

5352A OPER & PROG MAN APR85 05350-90012 JUL85 05350-90013 8L 01 02 03

5353A USERS HANDBOOK JAN00 05345-90015 SEP74 05345-90016 01 02 01
OPER & SERV MAN MAY74 05353-90002 MAY78 05353-90003 8L 01 02 02
MAN CHANGE APR78 05353-90002
SERV NOTE SET BELOW JAN79
5353A-1 JUL78 WN REC HP-IB VERIF PROG

5354A USERS HANDBOOK JAN00 05345-90015 SEP74 05345-90016 01 02 01
OPER & SERV MAN OCT75 05354-90006 AUG84 05354-90007 8L 01 02 03
MAN CHANGE FEB83 05354-90006
ADDENDUM TO O/S MAN FEB76 05354-90008 APR80 05354-90009 8L 01 02 01
SERV NOTE SET BELOW APR83
5354A-1 NOV74 WA SER 1332A00051 TO 1332A00068.MANDATORY TEST POINT FOR ADJ OF SCHMITT TRIG ASSY (A15)
5354A-2 MAY74 WA SER BELOW 1404A00125.CAP CHNG TO STOP FALSE LOCKING WHEN MEAS 1.5GHZ TO 2.0 GHZ
5354A-3 JUN74 WA SER BELOW 1404A00125.COMPON CHNG TO STOP ERRATIC COUNTS WHEN IN MAN CW & MANUAL OR

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546A OPER
OPER
MAN
SERV
546A-
546A-

5460A SERV
MAN
SERV
5460/
5460/
CON

5466A SERV
5466/
5451/
5466/
5466/
5471/

5468A OPER
SUPP
SERV
MAN

547A OPER
OPER
MAN

5470A SOFT
SERV
MAN
MAN

5470A-001 SERV
MAN
MAN

5470A-003 SERV
MAN
MAN

5470B OPER
SERV
MAN
MAN
OPER
SERV
5470/
5451/

5471A SERV
SOFT
MAN

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5354A CONT'D
5354A-4 AUTO-PRF MODES OF OPERATION
5354A-5 MAY75 WO ALL SER.05354-60003 (A3) SCHMITT TRIGGER FAILURE
5354A-6 OCT76 WO ALL SER.A12 RAM FAILURES
5354A-7A JUL78 WN REC HP-IB VERIF PROG OPT 011
5354A-8 NOV82 WN ALL SER.IMPR ADJ PROC
5354A-9 OCT78 WN ALL SER.COMPATIBILITY & REPAIR INFO.
MAR82 WN ALL SER.74LS REPL PN FOR 74L SER TTL ICS

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5475 SERV
5475-

5477 SERV
5451B

SERV NOTE SET BELOW
5354A-1
5354A-2
5354A-3

NOV74 WA SER 1332A00051 TO 1332A00068.MANDATORY TEST POINT FOR ADJ OF SCHMITT TRIG ASSY (A15)
MAY74 WA SER BELOW 1404A00125.CAP CHNG TO STOP FALSE LOCKING WHEN MEAS 1.5GHZ TO 2.0 GHZ
JUN74 WA SER BELOW 1404A00125.COMPON CHNG TO STOP ERRATIC COUNTS WHEN IN MAN CW & MANUAL OR

5471A

SERV I
SOFTW
MAN SI

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***
5354A CONT'D AUTO-PRF MODES OF OPERATION
5354A-4 MAY75 WO ALL SER.05354-60003 (A3) SCHMITT TRIGGER FAILURE
5354A-5 OCT76 WO ALL SER.A12 RAM FAILURES
5354A-6 JUL78 WN REC HP-IB VERIF PROG OPT 011
5354A-7A NOV82 WN ALL SER.IMPR ADJ PROC
5354A-8 OCT78 WN ALL SER.COMPATIBILITY & REPAIR INFO.
5354A-9 MAR82 WN ALL SER.74LS REPL PN FOR 74L SER TTL ICS
5355A OPER & SERV MAN DEC80 05355-90013 OCT85 05355-90014 8L 01 02 05
MAN CHANGE MAY85 05355-90013
SERV NOTE SET BELOW JAN82
5355A-1 SEP81 WO SER 2016 & BEFORE.CORRECT MISCOUNTING BY ATTEN OUTPUT A14 VCO.SER 2020 & LATER.PROC
CONT'D TO ADJ A14 VCO OUTPUT LEVEL AFTER A14 SERVICING
5356A OPER & SERV MAN DEC80 05355-90013 MAY84 05355-90014 8L 01 02 05
MAN CHANGE MAR84 05355-90013
5356A-006 OPER & SERV MAN AUG81 05355-90016 OCT81 05355-90017 8L 01 02 01
5356A/B SERV NOTE SET BELOW JAN82
5356A-1 AUG81 WN ALL SER.OPT 006 MICROWAVE LIMITER RETROFIT
5356B-1 OCT81 WN ALL SER.OPT 006.MICROWAVE LIMITER RETROFIT
5356B OPER & SERV MAN DEC80 05355-90013 MAY84 05355-90014 8L 01 02 05
MAN CHANGE MAR84 05355-90013
5356B-006 OPER & SERV MAN AUG81 05355-90018 OCT81 05355-90019 8L 01 02 01
5356C OPER & SERV MAN DEC80 05355-90013 MAY84 05355-90014 8L 01 02 05
MAN CHANGE MAR84 05355-90013
5358A OPER & SERV MAN NOV77 05358-90004 NOV83 05358-90005 8L 01 02 03
MAN CHANGE AUG83 05358-90004
5359A SERV NOTE SET BELOW JUL84
5359A-1 FEB80 WO ALL SER.OP VERIF PROC FOR THE A17 OUTPUT REF BD
5359A-2 FEB80 WO ALL SER.OP VERIF PROC FOR THE A18 OUTPUT ASSY
5359A-3 OCT80 WO SER 2024A00311 & BELOW.MOD TO A9 TO PREVENT IMPROPER INSTRUM OPER ON POWER UP
5359A-4 OCT80 WO SER 2036A00331 & BELOW.MOD TO HELP KEEP PC BDS IN SOCKETS
5359A-5 FEB84 WO SER 2226A00796 & BELOW.LINE FUSE CHANG FOR 220-240V LINE VOLTG
536A OPER NOTE JUL72 00536-90011 JUL77 00536-90012 8L 01 04 01
OPER NOTE CHANGE MAY77 00536-90011
SERV NOTE SET BELOW MAY78
536A-1C AUG66 ALL SER.STOP GEAR REPLACEMENT
536A-2B AUG66 ALL SER.CALIBRATION PROCEDURE
5360A SERV MAN JUL70 05360-90014 JUL72 05360-90016 01 02 08 FOR SERIAL NOS. BELOW 1240A-01076
MAN CHANGE APR72 05360-90014
SERV MAN SEP73 05360-90024 AUG77 05360-90027 8L 01 02 06 FOR SERIAL NOS. 1240A-01076 & ABOVE
MAN CHANGE JUL77 05360-90024
RAPID-REPAIR PROG JAN00 05360-90028 SEP83 05360-90029 8L 01 02 01
OPER MAN OCT75 05360-90030 AUG77 05360-90031 8L 01 02 01
MAN CHANGE JUL77 05360-90030
SERV NOTE SET BELOW JUL82

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5475

SERV N
5475-1

5477

SERV N
5451B-

5477A

SERV M
SERV M
SERV M
SERV M

5478A

SERV M
MAN SU

5478B

SERV M
MAN SU
SERV N
5466A-

5478C

OPER &
MAN CH
SERV N
5427A-

54786

SERV N
5427A-

548A

OPER &
OPER &
MAN CH

5480A

SERV V
SERV &
SERV N
5480A-
5480A-
5480A-
5480A/
5480A/

5480B

SERV V
OPER &

5481A

OPER M
MAN CH
SOFTWA
SERV M

5481A-022

INSTAL

5488A

SERV N
5488A-

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5360A 5360A-1 JUL70 WO SER BELOW 940.CHNG TO IMPR FREQ RESP & RED AMPLFR INCOMPATIBILITY
5360A-2 JUL70 WA SER BELOW 974.MOD TO IMPR DIG DSPLY TUBE RELIABILITY
5360A-3 NOV70 WA SER BELOW 940.MOD TO STOP CURRENT LIM
5360A-4 SEP71 WA SER BELOW 1128A.+5V SCR DESENSITIZING
5360A-5 JUL72 WO SER BELOW 1136A00900.NEW IMPR 32 ASY
5360A-6 MAR73 WN ALL SER.LIST PRS IN 5360A COMPUTING CNTR SERV KIT.HP PN 10636A
5360A-7 MAR73 WN SER BELOW 1240A01076.NEW PANA PLEX DSPLY FOR IMPR RELIABILITY
5360A-8 MAR76 WO SER BELOW 1240A-01076.CAUTION USING NIXIE REPL TUBE
5360A-9 JUN77 WO ALL SER.NEW THERMAL SWITCH

11/08/85 MODEL NUMBER O C

5500A

OPER &

5500B

OPER &

5500C

OPER &
OPERATO
SYSTEM
OPERATO

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5360A 5360A-1 JUL70 WO SER BELOW 940.CHNG TO IMPR FREQ RESP & RED AMPLFR INCOMPATIBILITY
 5360A-2 JUL70 WA SER BELOW 974.MOD TO IMPR DIG DSPLY TUBE RELIABILITY
 5360A-3 NOV70 WA SER BELOW 940.MOD TO STOP CURRENT LIM
 5360A-4 SEP71 WA SER BELOW 1128A.+5V SCR DESENSITIZING
 5360A-5 JUL72 WO SER BELOW 1136A00900.NEW IMPR 32 ASY
 5360A-6 MAR73 WN ALL SER.LIST PRTS IN 5360A COMPUTING CNTR SERV KIT.HP PN 10636A
 5360A-7 MAR73 WN SER BELOW 1240A01076.NEW PANA PLEX DSPLY FOR IMPR RELIABILITY
 5360A-8 MAR76 WO SER BELOW 1240A-01076.CAUTION USING NIXIE REPL TUBE
 5360A-9 JUN77 WO ALL SER.NEW THERMAL SWITCH
 5360A-11 MAR82 WN ALL SER.REC PWR WX/SAMPLE RATE CONTL REPL(P/N 2100-3891)

5363A OPER & SERV MAN DEC77 05363-90008 NOV84 05363-90009 8L 01 02 03
 SERV NOTE SET BELOW APR81
 5363A-1 MAY78 WA SER 1748A & BELOW.REC CIRC MOD TO PREVENT TRIGGER OUTPUT OSC.
 5363A-2 JUN78 WN REC HP-IB VERIF PROG
 5363A-3B JAN81 WN ALL SER.REPAIR/REPL OF PROBES USING MOD KIT 05363-60109
 5363A-4/5363B-3 JUL79 WO ALL SER.PREF REPL PART FOR DIODE ASSY CR1.
 5363A-5 FEB80 WO ALL SER.NEW SIG ANALY PROC FOR THE 5363A TIME INTERVAL PROBES

5363B OPER & SERV MAN DEC82 05363-90020 JUL85 05363-90021 8L 01 02 03
 MAN CHANGE MAR85 05363-90020
 SERV NOTE SET BELOW OCT80
 5363B-1A FEB80 WO SER 1832A & BELOW.MOD TO PREVENT TRIGGER OUTPUT OCS
 5363B-2 JUL79 WO SER 1920A00190 & BELOW.MOD TO PREVENT METAL MNTG FLANGE OF R18 FM SHTNG TO +5V
 CONT'D PRINTED TRACE.
 5363A-4/5363B-3 JUL79 WO ALL SER.PREF REPL PART FOR DIODE ASSY CR1.
 5363B-4 DEC79 WO ALL SER.SIMPLE TRBLSHNG PROC FOR 5363B CALIB ERRORS
 5363B-5 FEB80 WO ALL SER.NEW SIS ANALY PROC FOR THE 5363B TIME INTERVAL PROBES
 5363B-6 JUN80 WA SER 2028A00460 & BELOW.FUSE TYPE & RATING CHANGE

5365A SERV MAN JUL70 05360-90014 JUL72 05360-90016 01 02 08 FOR SERIAL PFXES 948 & BELOW
 MAN CHANGE APR72 05360-90014
 SERV MAN SEP73 05360-90024 AUG77 05360-90027 8L 01 02 06 FOR SERIAL PFXES 948A & ABOVE
 MAN CHANGE JUL77 05360-90024
 OPER MAN OCT75 05360-90030 AUG77 05360-90031 8L 01 02 01
 SERV NOTE SET BELOW JAN79
 5365A-1B - WN SER 904 TO 936.MOD FOR REMOTE SELECTION OF CHANNEL A/B

537A OPER NOTE JUL72 00536-90011 JUL77 00536-90012 8L 01 04 01
 OPER NOTE CHANGE MAY77 00536-90011
 SERV NOTE SET BELOW MAY78
 537A-1B JUL66 ALL SER.CALIB + STOP GEAR REPL PROC

5370A OPER & SERV MAN OCT79 05370-90010 MAY83 05370-90011 8L 01 02 05
 MAN CHANGE MAR83 05370-90010
 SERV NOTE SET BELOW JUL84
 5370A-1A MAY80 WN ALL SER.REC HP-IB VERIF PROGRAM.
 5370A-2 FEB79 WO REC ROM CHANGES.
 5370A-3 SEP79 WA SER 1848A00490 & BELOW.PREF PARTS REPLS TO IMPROVE ACCURACY
 5370A-4A JUN80 WN ALL SER.NEW ADJ PROC FOR INPUT ASSYS A3 & A4
 5370A-5 NOV79 WA SER 1848A00530 & BELOW.REPL OF FUSE F1 TO IMPROVE ELEC PROTECTION
 5370A-6 NOV79 WO MOD TO ADD TOP COVER VINYL & CORK STRIP TO HELP PREVENT BD DISPLACEMENT
 5370A-7 NOV79 WO PREF REPL OF EXT TRIGGER, START, & STOP SLOPE SWITCHES
 5370A-8 OCT80 WO SER 2024A00811 & BELOW.MOD TO A9 TO PREVENT IMPROPER INTRUM OPER ON POWER UP
 5370A-9 APR80 WO SER 2008A00670 & BELOW.REC REPL FOR 18 PIN DIP SOCKETS

11/08/85 MODEL NUMBER 0 C LITERATURE TYPE
 5500A OPER & SERV MAN CHANGE
 5500B OPER & SERV MAN CHANGE
 5500C OPER & SERV MAN CHANGE
 5500C-1 OPERATOR SYSTEM SERVO OPERATOR
 5500C-2/5 5500C-1
 5526A-5 5526A-5
 55005A USERS MANUAL MAN CHANGE
 5501A OPER & SERV MAN CHANGE
 5501A-0 SYS OPER
 5501A-1 OPER & SERV MAN CHANGE
 5501A-2 SYS OPER
 5501A-3 MAN CHANGE
 5501A-4 SYS OPER
 5501A-5 MAN CHANGE
 5501A-6 SERV NOTE
 5501A-7 5501A-0
 5501A-1
 5501A-2
 5501A-3
 5501A-4
 5500C-2/5
 5501A-6
 5501A-7
 5501A-8
 5501A-9
 5501A SYS. OPER & SERV MAN CHANGE
 5505A OPER & SERV MAN CHANGE
 OPERATOR SYSTEM SERVO OPERATOR
 5526A-1 5526A-1
 CONT'D 5505A-1
 5505A-2
 5505A-3
 5505A-4
 5505A-6
 5505A-7
 5505A-002 MAN SUPP

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* DESCRIPTION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M P D P L T V G	PAGE 241
			*** DESCRIPTION ***			*** DESCRIPTION ***		
5370A		5370A-10 5370A-11 5370A-12 5370A-13	OCT80 JUL81 FEB84 MAR84	WN WN WO WO	ALL SER.WOTIF OF SOFTWARE ASSOM WHEN USING HP-IB COMMAND GROUP EXECUTE TRIGGER ALL SER.REC ADDITION TO FRONT END CHECKOUT PROCEDURE ALL SER.LINE FUSE CHANG FOR 220-240V LINE VOLTG ALL SER.MOD TO ELIM TEMP SENSI INPUT AMPLF			
5370B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5370B-1	MAY83 MAR85 JUL84 FEB84	05370-90020 05370-90020 WO	JUL85 05370-90021	8L 01 02 05		
5375A		OPER & SERV MAN MAN CHANGE	JUL70 JUL73	05375-90005 05375-90005	OCT77	05375-90006	8L 01 02 03	
5376A		OPER & SERV MAN MAN CHANGE	JAN71 JAN75	05376-90031 05376-90031	JUN75	05376-90032	01 02 04	
5379A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5379A-1	NOV73 JUN77 APR79 SEP73	05379-90011 05379-90011 WN	AUG77 05379-90012	8L 01 02 02		
5381A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5381A-1 DY-5731-1/DY-5381-1 5381A-U-1 5381A-2 5381A-3	OCT76 JUL84 MAY75 MAR65 JUN75 NOV78 OCT84	05381-90010 05381-90010 WO REC WO WN WO	DEC84 05381-90011 APR85 1404A.MOD TO ELIM 10 SEC GATE MISCOUNTING ZENER DIODE REPL 1449U.MOD TO ELIM 10 SEC GATE MISCOUNTING SCR 1624 & BELOW.REC FIELD REPL OF A1CR1 FUL WAVE BRIDGE RECT. 2310A TO 2440A.STAB OF OUTPUT IN OVERFLOW CONDITION	8L 01 02 02		
5382A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5382A-1 5382A-2 5382A-3 CONT'D	MAY74 APR78 JUN85 FEB76 DEC80 OCT84	05382-90001 05382-90008 05382-90008 WO WN WA	APR78 05382-90002* OCT85 05382-90009 APR85 1532A.PRF REPL FOR TRANSISTORS A1Q9,10, & 11 2024 & BELOW.MOD TO INSTALL NEW METAL-CASED TEMP-COMPENSATED XTAL OSC 2320A08261 THRU 2320A08295 & 2416A BELOW 2416A08435.REC REPL OF DEFECTIVE 1820-2318 (A1U4) EIGHT DECADE TIMEBASE IC	8L 01 02 01 8L 01 02 01	USE 5382A FICHE 05382-90009	
5383A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5383A-1 5383A-U-1 5383A-2 5383A-3 CONT'D	MAR75 SEP76 JUN85 OCT76 NOV76 AUG82 OCT84	05383-90001 05383-90005 05383-90005 WO WO WN WA	JUL75 05383-90003* OCT85 05383-90006 APR85 1628A00960.MOD TO IMPR PERF 1644U00395 MOD TO IMPR PERF 2116 & BELOW.PRF REPL FOR HIGH FREQ BINARY,IC A1U1(P/N 1820-0736) 2338A & 2412A BELOW 2412A03456.REC REPL OF DEFECTIVE 1820-2318 (A1U11) EIGHT DECADE TIMEBASE IC	8L 01 02 02 8L 01 02 02	USE 5383A FICHE 05383-90006	
5384A		OPER & SERV MAN MAN CHANGE	MAR85 APR85	05384-90006 05384-90006	AUG85	05384-90007	8L 01 02 03	
5384A/85A		SERV NOTE SET BELOW 5384A/85A-1 5384A/85A-2	JUN84 APR85	WA WN	OCT85 ALL SER.MOD TO PREV COUNTER LOCKUP ALL SER.HP-IB VERIF PROG USING HP 85A CONTROLLER			

11/08/85
MODEL
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PER SAFTY GROUND

PER SAFTY GROUND

5420	SERV MAN	NOV81	05420-90061	FEB82	05420-90062	8L	01	02	01
5420A	QUICK REF GUIDE	AUG77	05420-90008	DEC77	05420-90009	8L	01	02	01
	MAINT MAN	SEP77	05420-90010	NOV77	05420-90011*	8L	01	02	02
	SERV MAN	FEB78	05420-90014	AUG79	05420-90015*	8L	01	02	09
	MAINT MAN	JUN78	05420-90021	OCT78	05420-90022*	8L	01	02	02
	USERS GUIDE	JUL78	05420-90023	MAR79	05420-90024*	8L	01	02	02
	USERS GUIDE	JUL78	05420-90032	MAY80	05420-90033*	8L	01	02	03
	MAINT MAN	FEB79	05420-90030	MAY79	05420-90031*	8L	01	02	02
	MAINT MAN	JUN79	05420-90034	FEB81	05420-90035*	8L	01	02	02
	INSTALL NOTE	FEB80	05420-90038	JUL84	05420-90039	8L	01	02	01
	OPER & SERV MAN-I	JAN81	05420-90041	MAR84	05420-90042*	8L	01	02	07
	OPER & SERV MAN-II	JAN81	05420-90043	MAR85	05420-90044	8L	01	02	05
	MAN CHANGE	DEC84	05420-90043						
	OPER & SERV MAN-III	JAN82	05420-90045	OCT85	05420-90046	8L	01	02	08
	MAN CHANGE	DEC84	05420-90045						
	OPER & SERV MAN-IV	SEP82	05420-90047	MAR84	05420-90048	8L	01	02	10

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5585A
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DESCRIPTION ***

ER SAFTY GROUND

SPEED DECD CNTR

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ER SAFTY GROUND

ER SAFTY GROUND

ER SAFTY GROUND

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 244
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ** DESCRIPTION *** DESCRIPTION ***											
5420A		MAN CHANGE	NOV83	05420-90047	MAR84	05420-90048	8L	01	02	10	
		USER'S GUIDE	MAR81	05420-90051	MAY81	05420-90052	8L	01	02	02	
		OPER & SERV MAN	MAY84	05420-90067	OCT85	05420-90068	8L	01	02	07	
		MAN CHANGE	DEC84	05420-90067							
		SERV NOTE SET BELOW			OCT83						
		5420A-0	NOV81	WN ALL SER.SERV NOTE INDEX							
		5420A-4A	OCT81	WN 5440B:SER 1728 & BELOW;5441A:SER 1652 & BELOW;5443A:SER 1655 & BELOW.MOD TO IMPROVE SYSTEM PERF							
		CONT'D									
		5420A-7A	OCT81	WN SER BELOW 1804.MOD TO ELIM RACE CONDITION							
		5420A-9A	OCT81	WN SER 1636 & BELOW.MOD TO IMPROVE PERF							
		5420A-11A	OCT81	WN SER 1821 & BELOW.MOD TO IMPROVE PERF							
		5420A-14A	OCT81	WN ALL SER.MOD TO IMPROVE SELF-TEST							
		5420A-15B	OCT81	WN ALL SER.MOD TO IMPROVE PERF							
		5420A-16	FEB79	WN LIST OF 5240A CONTROL CARTRIDGES							
		5420A-17	FEB79	WN SER 1836 & UP(5443A).TEST PROC TO SELECT PARITY ERROR/MEMORY LOSS INDICATIONS							
		5420A-18/54451C-02	FEB79	WO SERIES 1836 & BELOW.MOD TO IMP HANDSHAKE							
		5420A-19	FEB79	WO ALL SER.REC REPL PARTS TO IMPR BOOSTER BOARD PERF							
		5420A-20	MAR79	WO SER 1836 & BELOW(5441A);SER 1904 & BELOW(5443A).MOD TO CHANGE LEDS TO PREVENT STICKY KEYS							
		CONT'D									
		5420A-21B	OCT81	WN ALL SER.LIST OF MOD THAT ARE IMPORTANT TO REL OF 5420A							
		5420A-22A	OCT81	WN MOD TO IMPR PERF							
		5420A-23	NOV79	WO REC REPL FOR 5441A							
		5420A-24	-	WO MOD TO IMPROVE PERF							
		5420A-25	JUL80	NEW XCHANGE ASSY CONFIG FOR 2105A COMPUTER A TYPE POWER SUPPLY							
		5420A-26	AUG80	WN SER 1940A THRU 2012A.MOD TO 54410A CM (COMMON MODE SWITCH)							
		5420A-27A	AUG82	WO SER 2116A00766 & BELOW.ON/OFF SWTCH							
		5420A-28	AUG82	WN ALL SER MOD TO IMPR HP-IB CONTRLLER COMPATIBILITY							
		5420A-29	JUN83	WA ALL SER.CARTRIDGE TAPE IMCOMPAT							
5420B		USER'S GUIDE	DEC81	05420090056	MAR85	05420-90057	8L	01	02	04	VOL I
		MAN CHANGE	DEC84	05420-90056							
		USER'S GUIDE	DEC81	05420-90058	MAR85	05420-90059	8L	01	02	03	VOL II
		MAN CHANGE	DEC84	05420-90058							
		SERV NOTE SET BELOW			OCT83						
		5420B-1	AUG82	WN ALL SER MOD TO IMPR HP-IB CONTRLLER COMPATIBILITY							
		5420B-2	JUN83	WA ALL SER.CARTRIDGE TAPE IMCOMPAT							
54200A		OPER PROG&SERV MAN	MAY85	54200-90901	OCT85	54200-90801	8L	01	08	06	
		MAN CHANGE	JUL85	54200-90901							
54200A/D		SERV NOTE SET BELOW			OCT85						
		5420A/D-1	APR85	WA SER 2445A.REC PROM REPL TO CORREC FIRMWARE							
54200D		OPER PROG&SERV MAN	MAY85	54200-90901	OCT85	54200-90801	8L	01	08	06	
		MAN CHANGE	JUL85	54200-90901							
5421A		SERV MAN	JUN70	05421-9008	AUG70	05421-9009		01	02	05	
5422B		OPER & SERV MAN	NOV73	05422-90022	DEC75	05422-90023	8L	01	02	04	
5423A		USER'S GUIDE	OCT79	05423-90010	FEB80	05423-90011*	8L	01	02	03	USE5423A FICHE 05423-90022 FP/N CHANGE
		USER'S HANDBOOK	JAN80	05423-90014	JUL81	05423-90015*	8L	01	02	02	USE 5423A FICHE 05423-90028
		USER'S GUIDE-VOL 2	OCT79	05423-90009	OCT85	05423-90021	8L	01	02	04	
		MAN CHANGE	DEC84	05423-90009							
		USER'S GUIDE-VOL 3	OCT79	05423-90010	OCT85	05423-90022	8L	01	02	03	

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54200A/D	SERV NOTE SET BELOW 5420A/D-1		OCT85	APR85 WA SER 2445A.REC PROM REPL TO CORREC FIRMWARE
54200D	OPER PROG&SERV MAN MAN CHANGE	MAY85 54200-90901 JUL85 54200-90901	OCT85 54200-90801	8L 01 08 06
5421A	SERV MAN	JUN70 05421-9008	AUG70 05421-9009	01 02 05
5422B	OPER & SERV MAN	NOV73 05422-90022	DEC75 05422-90023	8L 01 02 04
5423A	USER'S GUIDE USER'S HANDBOOK USER'S GUIDE-VOL 2 MAN CHANGE USER'S GUIDE-VOL 3	OCT79 05423-90010 JAN80 05423-90014 OCT79 05423-90009 DEC84 05423-90009 OCT79 05423-90010	FEB80 05423-90011* JUL81 05423-90015* OCT85 05423-90021	8L 01 02 03 USE5423A FICHE 05423-90022 FP/N CHANGE 8L 01 02 02 USE 5423A FICHE 05423-90028 8L 01 02 04
			OCT85 05423-90022	8L 01 02 03

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DESCRIPTION ***
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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 245
*** DESCRIPTION ***											
5423A		MAN CHANGE	DEC84	05423-90010	OCT85	05423-90022	8L	01	02	03	
		USER'S HANDBOOK	JAN82	05423-90027	MAR85	05423-90028	8L	01	02	02	
		MAN CHANGE	DEC84	05423-90027							
		USER'S GUIDE-VOL 1	MAY84	05423-90031	MAR85	05423-90032	8L	01	02	03	
		MAN CHANGE	DEC84	05423-90031							
		OPER & SERV MAN-I	JAN81	05420-90041	MAR84	05420-90042*	8L	01	02	07	USE 5423A FICHE 05420-90068
		OPER & SERV MAN-II	JAN81	05420-90043	MAR85	05420-90044	8L	01	02	05	
		MAN CHANGE	DEC84	05420-90043							
		OPER & SERV MAN-III	JAN82	05420-90045	OCT85	05420-90046	8L	01	02	08	
		MAN CHANGE	DEC84	05420-90045							
		OPER & SERV MAN-IV	SEP82	05420-90047	MAR84	05420-90048	8L	01	02	10	
		MAN CHANGE	NOV83	05420-90047							
		SERV MAN	NOV81	05420-90061	FEB82	05420-90062	8L	01	02	01	
		OPER & SERV MAN	MAY84	05420-90067	OCT85	05420-90068	8L	01	02	07	
		MAN CHANGE	DEC84	05420-90067							
		SERV NOTE SET BELOW			OCT83						
		5423A-0	NOV81	WN ALL SER.SERV NOTE INDEX							
		5423A-1	NOV81	WO SER 2116A00548 & BELOW.ON/OFF SWITCH							
		5423A-2	AUG82	WN ALL SER MOD TO IMPR HP-IB CONTRLLER COMPATIBILITY							
		5423A-3	JUN83	WA SER 2304 & BELOW.CARTRIDGE TAPE INCOMPAT							
		5420A-26	AUG80	WN SER 2022A & BELOW.MOD TO 54410A CM (COMMON MODE SWITCH)							
5425A		INSTAL/OP/SERV NOTE	MAR76	05425-90306	DEC76	05425-90307	8L	01	02	01	
		SERV MAN	NOV76	05425-90308	APR77	05425-90309	8L	01	02	03	
		OPER MAN	FEB76	05425-90310	DEC77	05425-90311	8L	01	02	05	
		MAN SUPP 1	FEB77	05425-90315							
		INSTAL/OP/DEMO NOTE	FEB77	05425-90313	DEC77	05425-90314	8L	01	02	01	
5427A		SYSTEM SERV MAN	OCT78	05427-90015	DEC84	05427-90016	8L	01	02	03	
		MAN CHANGE	OCT84	05427-90015							
		OPER MAN	JAN79	05427-90017	FEB79	05427-90018*	8L	01	02	05	USE 5427A FICHE 05427-90020
		OPER MAN	JAN80	05427-90019	OCT85	05427-90020	8L	01	02	06	
		MAN CHANGE	MAY85	05427-90019							
		INSTAL/OP/DEMO NOTE	APR80	05427-90021	JUN80	05427-90022*	8L	01	02	01	USE 5427A FICHE 05427-90029
		CUST SUPPORT HANDBK	SEP81	05427-90026	JUN82	05427-90027	8L	01	02	03	
		MAN CHANGE	APR82	05427-90026							
		INSTAL/OP/DEMO NOTE	AUG82	05427-90028	SEP84	05427-90029	8L	01	02	01	
		MAN CHANGE	MAY84	05427-90028							
		SERV NOTE SET BELOW			OCT82						
		5427A-02	JAN80	SER 1928A00230 & BELOW.MOD TO IMPROVE 5427A SELF CHECK RESULTS							
		5427A-03	APR81	WN ALL SER.ADJ PROC							
		5427A-04	AUG81	WN ALL SER.DAC DIAG PROGRAM PROC							
		5427A-6	SEP81	WN ALL SER.HOW TO USE & INTERPRET SELF CHECK PROGRAM							
		5427A-7	DEC81	ALL SER SELF-CHECK HOOK-UP							
		5427A-8	JAN82	WN ALL SER.SWITCH REGISTER CABLE MOD							
		5427A-9A	JUL82	WN ALL SER.MOD TO PREV C-SUPPLY PWR UP PROBLEM							
5430A		SERV MAN	MAR71	05430-90003	MAY74	05430-9004				01 02 03	
54300A		OPER & SERV MAN MAN CHANGE	FEB85 MAR85	54300-90901 54300-90901	OCT85	54300-90801	8L	01	08	02	
5431A		SERV MAN MAN CHANGE	FEB72 AUG72	05431-9011 05431-9011	DEC75	05431-9012	8L	01	02	02	

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MODEL
NUMBER
565A
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5700A
5701A
571B
5731
580A
581A
59300-10
59300-10
59301A
59303A
59304A
59306A

	5427A-03	APR81 WN ALL SER.ADJ PROC								59303A
	5427A-04	AUG81 WN ALL SER.DAC DIAG PROGRAM PROC								
	5427A-6	SEP81 WN ALL SER.HOW TO USE & INTERPRET SELF CHECK PROGRAM								59304A
	5427A-7	DEC81 ALL SER SELF-CHECK HOOK-UP								
	5427A-8	JAN82 WN ALL SER.SWICH REGISTER CABLE MOD								
	5427A-9A	JUL82 WN ALL SER.MOD TO PREV C-SUPPLY PWR UP PROBLEM								
5430A	SERV MAN	MAR71 05430-90003	MAY74 05430-9004	01	02	03				
54300A	OPER & SERV MAN MAN CHANGE	FEB85 54300-90901 MAR85 54300-90901	OCT85 54300-90801	8L	01	08	02			
5431A	SERV MAN MAN CHANGE	FEB72 05431-9011 AUG72 05431-9011	DEC75 05431-9012	8L	01	02	02			59306A

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DESCRIPTION ***

TO STOP

TRIGGER LAMPS

5326C SER
2A00546 TO
5V FSE FRM BLW

BOVE

BELOW

BOVE

BELOW

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 246
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5431B		SERV MAN MAN CHANGE	FEB72 05431-9011 AUG72 05431-9011		DEC75 05431-9012		8L	01	02	02	
5432A		OPER & SERV MAN	SEP73 05432-90004		JUL75 05432-90005		8L	01	02	01	
5440		INSTALL NOTE	MAY76 05440-90013		DEC76 05440-90014*		8L	01	02	01	USE 5440B FICHE 05440-90019
5440A		INSTALL NOTE MODULE MAN	MAY75 05440-90004 JUN75 05440-90006		JUN75 05440-90005* JUL75 05440-90007		8L	01	02	01	USE 5440B FICHE 05440-90019
5440A/B		SERV NOTE SET BELOW 5440A-1/5440B-1 5440A-2/5440B-2	APR76 WN MODELS SHIPED PRIOR TO 15 MAR 1976.MOD TO STOP LOCKING DEC76 WN MOD TO ADD RESISTOR TO IMPR PERF		APR79						
5440B		MODULE MAN INTERFACE NOTE MAN CHANGE MODULE MAN MAN CHANGE	MAY76 05440-90011 MAY77 05440-90018 FEB80 05440-90018 NOV79 05440-90021 SEP82 05440-90021		AUG79 05440-90012* MAR80 05440-90019		8L	01	02	02	USE 5440B FICHE 05440-90022
5441A		SERV NOTE SET BELOW 5420A-1 5420A-2 5420A-20 CONT'D	AUG77 WO SER 1652 & BELOW.MOD TO IMP PERFORMANCE FRONT PANEL BD 05441-60060 AUG77 WO SER 1644 & BELOW.KEYBOARD INFCE PRBLM MAR79 WO SER 1836 & BELOW(5441A);SER 1904 & BELOW(5443A).MOD TO CHANGE LEDS TO PREVENT STICKY KEYS.		OCT79						
54420A		MODULE MAN MODULE MAN MAN CHANGE SERV NOTE SET BELOW 54420A-1/54440A-1	NOV76 54420-90013 MAY81 54420-90017 SEP84 54420-90017		SEP80 54420-90014* DEC84 54420-9001P		8L	01	02	02	USE 54420A FICHE 54420-90018
54420A-620		INSTAL/OP DEMO NOTE INSTAL/OP DEMO NOTE OPER/SERV NOTE OPER/SERV NOTE	OCT76 05451-90442 FEB79 05451-90534 JUL76 54420-90009 OCT76 54420-90015		DEC77 05451-90443* MAY79 05451-90533 FEB77 54420-90010* FEB79 54420-90016		8L	01	02	01	USE 54420A-620 FICHE 05451-90533 USE 54420A-620 FICHE 54420-90016
5443A		SERV NOTE SET BELOW 5420A-3 5420A-20 CONT'D	AUG77 WO SER 1644 & BELOW.KEYBOARD INTRFC PROB MAR79 WO SER 1836 & BELOW(5441A);SER 1904 & BELOW(5443A).MOD TO CHANGE LEDS TO PREVENT STICKY KEYS.		OCT79						
54440A		MODULE MAN INSTALL & OPER DEMO MODULE MAN MODULE MAN SERV NOTE SET BELOW 54420A-1/54440A-1	AUG75 54440-90001 NOV76 54440-90014 AUG78 54440-90016 SEP80 54440-90018		DEC77 54440-90002* APR77 54440-90015 JUL80 54440-90017* NOV82 54440-90019		8L	01	02	02	USE 54440A FICHE 54440-90017 USE 54440A FICHE 54440-90019
54440A-640		OPER/SERV NOTE	JUL76 54440-90012		FEB77 54440-90013		8L	01	02	01	
54451C		SERV NOTE SET BELOW 5420A-18/54451C-02	FEB79 WO SERIES 1836 & BELOW.MOD TO IMP HANDSHAKE		JUL79						
54470A		MODULE MAN	JUN76 54470-90002		JUL79 54470-90003*		8L	01	02	02	USE 54470A FICHE 54470-90014

11/08/85 MODEL	O	LITERATURE	H/C	H/C PART	FICHE	FICHE PART	M	P	D	P	PAGE 247
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54440A	MODULE MAN	AUG75 54440-90001	DEC77 54440-90002*	8L 01 02 02	USE 54440A FICHE 54440-90017
	INSTALL & OPER DEMO	NOV76 54440-90014	APR77 54440-90015	8L 01 02 01	
	MODULE MAN	AUG78 54440-90016	JUL80 54440-90017*	8L 01 02 02	USE 54440A FICHE 54440-90019
	MODULE MAN	SEP80 54440-90018	NOV82 54440-90019	8L 01 02 02	
	SERV NOTE SET BELOW	JUL79			
	54420A-1/54440A-1	DEC76 WN MODIFICATION	TO IMPROVE PERFORMANCE		
54440A-640	OPER/SERV NOTE	JUL76 54440-90012	FEB77 54440-90013	8L 01 02 01	
54451C	SERV NOTE SET BELOW	JUL79			
	5420A-18/54451C-02	FEB79 WO SERIES 1836 &	BELOW.MOD TO IMP HANDSHAKE		
54470A	MODULE MAN	JUN76 54470-90002	JUL79 54470-90003*	8L 01 02 02	USE 54470A FICHE 54470-90014

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
54470A		OPER/SERV NOTE	JUL76	54470-90004	DEC77	54470-90005*	8L	01	02	01	USE 54470A FICHE 54470-90016
		MODULE MAN	OCT79	54470-90013	OCT83	54470-90014	8L	01	02	03	
		OPER/SERV NOTE	OCT79	54470-90015	MAR80	54470-90016	8L	01	02	01	
54470A-670		INSTALL & OPER DEMO	AUG76	54470-90010	FEB77	54470-90011	8L	01	02	01	
545A		OPER & SERV MAN	NOV75	00545-90001	NOV75	00545-90002*	8L	01	02	01	USE 545A FICHE 00545-90005
		OPER & SERV MAN	NOV76	00545-90004	JUL83	00545-90005	8L	01	02	01	
		MAN CHANGE	MAY83	00545-90004							
5450		SERV NOTE SET BELOW			OCT82						
		5450A-1/5451A-1/ 5452A-1	APR72		PREVENTIVE MAINTENANCE & CALIB PROC						
		5450A-6/5451A-6/ 5452A-6	-		MODEL 5460 DISPLAY PLOTTER I/O						
5450A		SYSTEM SERV MAN	OCT70	05450-90030	DEC70	05450-90033		01	02	03	
		SYSTEM OPER MAN	SEP70	05450-90029	FEB71	05450-90034		01	02	05	
		MAN CHANGE	NOV70	05450-90029							
		OPER NOTE	JAN71	05450-90036	APR73	05450-90040		01	02	01	FOR MAGNETIC TAPE INTERFACES
		OPER NOTE	MAR71	05450-90037	APR73	05450-90041		01	02	01	FOR USE WITH CALCOMP PLOTTERS
5451		REF MAN	APR74	05451-90133	APR85	05451-90134	8L	01	02	03	
5451-240		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-290 FICHE 05451-90248
5451-241		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-291 FICHE 05451-90248
5451-242		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-292 FICHE 05451-90248
5451-243		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-293 FICHE 05451-90248
5451-244		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-294 FICHE 05451-90248
5451-245		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-295 FICHE 05451-90248
5451-246		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-290 FICHE 05451-90248
5451-247		OPER NOTE	JUN74	05451-90170	DEC74	05451-90240*		01	02	01	USE 5451-290 FICHE 05451-90248
5451-290		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	
5451-291		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	60063A
5451-292		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	60063B
5451-293		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	60065A
5451-294		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	60066A
5451-295		OPER NOTE	JAN75	05451-90247	FEB85	05451-90248	8L	01	02	01	60066B
5451-450		OPER MAN	JUN81	05451-90559	OCT82	05451-90560	8L	01	02	02	
5451-451		OPER MAN	JUN81	05451-90559	OCT82	05451-90560	8L	01	02	02	6011A

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			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		

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5451-292	OPER NOTE	JAN75 05451-90247	FEB85 05451-90248	8L 01 02 01
5451-293	OPER NOTE	JAN75 05451-90247	FEB85 05451-90248	8L 01 02 01
5451-294	OPER NOTE	JAN75 05451-90247	FEB85 05451-90248	8L 01 02 01
5451-295	OPER NOTE	JAN75 05451-90247	FEB85 05451-90248	8L 01 02 01
5451-450	OPER MAN	JUN81 05451-90559	OCT82 05451-90560	8L 01 02 02
5451-451	OPER MAN	JUN81 05451-90559	OCT82 05451-90560	8L 01 02 02

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5451A		SYSTEM OPER MAN SOFTWARE MAN SYSTEM SERV MAN SYSTEM OPER MAN SYSTEM SERV MAN MAN CHANGE	NOV73 JAN74 JUN73 MAR73 NOV71 DEC71	05451-90099 05451-90103 05451-90042 05451-90056 05451-90004 05451-90004	JUN75 APR74 APR75 JUN75 NOV75	05451-90104 05451-90160 05451-90289 05451-90300 05451-90359	01 01 01 01 8L	02 02 02 02 01	04 03 02 04 02	WITH 5465A ADC PLUG-IN UNIT WITH 5466A ADC PLUG-IN UNIT WITH 5466A ADC PLUG-IN UNIT WITH 5465A ADC PLUG-IN UNIT	
5451A OPTS		OPER NOTE	OCT73	05451-90091	JUL75	05451-90305	8L	01	02	02	
5451A-074		OPER. NOTE	DEC73	05470-90039	NOV75	05470-90051	8L	01	02	01	
5451A-080		OPER NOTE	APR73	05471-90042	JUL75	05471-90046	8L	01	02	01	
5451A-081		OPER NOTE	APR73	05471-90042	JUL75	05471-90046	8L	01	02	01	
5451A-225		INSTALL/OPER NOTE	OCT72	05451-90031	JUN75	05451-90299		01	02	01	
5451A-250		INSTAL/OP/SERV NOTE	AUG73	05451-90076	JUN75	05451-90301		01	02	01	
5451A-251		INSTAL/OP/SERV NOTE	AUG73	05451-90076	JUN75	05451-90301	8L	01	02	01	
5451A-252		INSTAL/OP/SERV NOTE	AUG73	05451-90076	JUN75	05451-90301	8L	01	02	01	
5451A/B		SERV NOTE SET BELOW			OCT82						
		5450A-1/5451A-1/ 5452A-1	APR72			PREVENTIVE MAINTENANCE & CALIB PROC					
		5451B-1/5451A-2 CONT'D	MAR74	WA		ALL SER.5466A-ADC CIR BRD KIT UPDT TO STOP INTERMITTENT OPER OF FOUR CHNL 5466A A-TO-D CONVERTERS					
		5451B-2	DEC73	WN		ALL 5451B SYS WITH MAGNETIC TAPE DRIVE.MOD TO STOP TAPE DROPOUTS					
		5451A/B-3	-			NOT AVAILABLE					
		5451A/B-4	-			NOT AVAILABLE					
		5451A-5/5451B-5	APR74	WN		ALL SER.5451A TO 5451B COMPUTER CONV					
		5450A-6/5451A-6/ 5452A-6	-			MODEL 5460 DISPLAY PLOTTER INTERFACE					
		5451B-6	AUG74	WO		ALL SER.FIELD PREV MAINTENANCE PROC					
		5451A-7	-			NOT AVAILABLE					
		5451B-7/5477A-1	AUG74	WO		ALL SER.FIELD PREV MAINTENANCE PROC					
		5451A-8	SEP74	WN		ALL SER.FIELD					
		5451B-8	-			NOT AVAILABLE					
		5451B-9	SEP74	WO		ALL SER.IMPR FOURIER TRANSFORM ACCUR					
		5451A-9/5451B-10/ 5466A-2	FEB75	WN		OPER DESCRIP OF 5466AA MULTIPLEXER					
		5451B-11	APR75	WN		ALL SER.RESTART WITH DISC OPTION					
		5451A-10/5451B-12	MAY75	WN		ANTI-ALIASING FILTER CALIB PROCEDURE					
		5451B-13B/5451A-11B	DEC76	WN		EIA TERMINA. INTERFACING					
		5460A-1/5451B-14	JUN75	WO		5460 PLUG-INS SER BELOW 1426A.DSPLY PROB WITH I/N OCTAVE SOFTWARE					
		5451B-15	NOV75	WN		ALL SER.ROCKLAND 816 PROGRAM FILTER					
		5451B-16/5451A-12	NOV75	WN		ALL SER.OEM PRODUCTS REPAIR					
		5451B-17	MAR76	WN		INPT/OUTPT EXTENDER WITH OPT 023					
		5451B-18/5470B-2	DEC76	WN		RECONFIG WITH FXL-GEN SOG TAPES					
		5451B-19/5451C-01	OCT78	WA		SER 1748A & BELOW.MOD TO PREVENT INTER OP OF 5477A SYS CONTROL WHILE RNG MODAL ANALS					
		5451B-20	JUL80	WO		5460A DISPLAY UNIT.SER 2020A & ABOVE.NUMERIC DISPLAY CHNGE FM NIXIE TO LED READOUTS					
5451B		SYSTEM SERV MAN	JUL74	05451-90186	JUL75	05451-90187*	01	02	03	USE 5451B FICHE 05451-90472	

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											

5451A-10/5451B-12 MAY75 WN ANTI-ALIASING FILTER CALIB PROCEDURE
 5451B-13B/5451A-11B DEC76 WN EIA TERMINAL INTERFACING
 5460A-1/5451B-14 JUN75 WO 5460 PLUG-INS SER BELOW 1426A.DSPLY PROB WITH I/N OCTAVE SOFTWARE
 5451B-15 NOV75 WN ALL SER.ROCKLAND 816 PROGRAM FILTER
 5451B-16/5451A-12 NOV75 WN ALL SER.OEM PRODUCTS REPAIR
 5451B-17 MAR76 WN INPT/OUTPT EXTENDER WITH OPT 023
 5451B-18/5470B-2 DEC76 WN RECONFIG WITH FXL-GEN SOG TAPES
 5451B-19/5451C-01 OCT78 WA SER 1748A & BELOW.MOD TO PREVENT INTER OP OF 5477A SYS CONTROL WHILE RNG MODAL ANALS
 5451B-20 JUL80 WO 5460A DISPLAY UNIT.SER 2020A & ABOVE.NUMERIC DISPLAY CHNGE FM NIXIE TO LED READOUTS

5451B SYSTEM SERV MAN JUL74 05451-90186 JUL75 05451-90187* 01 02 03 USE 5451B FICHE 05451-90472

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5451B INSTAL/OP/SERV NOTE JUL74 05451-90183 FEB85 05451-90241 8L 01 02 01
 GEN PROC JAN75 05451-90249 DEC77 05451-90250 8L 01 02 01
 INSTALL & OPER DEMO DEC75 05451-90363 DEC76 05451-90364* 8L 01 02 01 USE 5451B FICHE 05451-90474
 SOFTWARE MAN DEC75 05451-90366 JAN76 05451-90367 8L 01 02 02
 INSTALL & OPER DEMO APR76 05451-90387 DEC76 05451-90388* 8L 01 02 01 USE 5451C-402/403 FICHE 05451-90507
 GEN PROC JUN76 05451-90417 FEB77 05451-90418 8L 01 02 01
 GEN PROC AUG76 05451-90430 FEB77 05451-90431 8L 01 02 01
 SYSTEM OPER MAN FEB77 05451-90458 APR77 05451-90461 8L 01 02 04
 SYSTEM HARDWARE MAN APR77 05451-90467 MAY80 05451-90468 8L 01 02 05
 MAN CHANGE MAR80 05451-90467
 SYSTEM SERV MAN MAY77 05451-90471 DEC79 05451-90472 8L 01 02 03
 MAN CHANGE SEP79 05451-90471
 INSTALL & OPER DEMO MAY77 05451-90473 JUN77 05451-90474 8L 01 02 01
 INSTALL NOTE NOV78 05451-90524 AUG84 05451-90525 8L 01 02 01 5451B-T0-5451C CONVERSION
 MAN CHANGE NOV83 05451-90524
 KEYBD COMMAND MAN OCT73 05451-90080 FEB80 05451-90545 8L 01 02 01

5451B MODAL OPER & SERV MAN AUG75 05451-90335 NOV75 05451-90336 8L 01 02 03

5451B OPTS OPER NOTE APR77 05451-90469 APR77 05451-90470 8L 01 02 01

5451B** OPER & SERV MAN JAN75 05451-90228 FEB75 05451-90229 01 02 01 **5451B-1/3 OCTAVE ANALYSIS

5451B*** OPER/SOFTWARE NOTE MAR77 05451-90465 APR77 05451-90466 8L 01 02 01 ***5451B/10697B
 INSTAL/OP DEMO NOTE OCT77 05451-90477 OCT77 05451-90478 8L 01 02 01
 INSTAL/OP/SERV NOTE OCT77 05451-90479 OCT77 05451-90480 8L 01 02 01

5451B-MADIU INSTALL/OPER NOTE JAN77 05451-90455 APR77 05451-90456 8L 01 02 01

5451B-020 INSTAL/OP/SERV NOTE AUG75 05451-90329 AUG75 05451-90330* 8L 01 02 01 USE 5451B/10697B FICHE 05451-90480

5451B-021 INSTAL/OP/SERV NOTE AUG75 05451-90329 AUG75 05451-90330* 8L 01 02 01 USE 5451B/10697B FICHE 05451-90480

5451B-022 INSTAL/OP/SERV NOTE AUG75 05451-90329 AUG75 05451-90330* 8L 01 02 01 USE 5451B/10697B FICHE 05451-90480

5451B-023 INSTAL/OP/SERV NOTE AUG75 05451-90329 AUG75 05451-90330* 8L 01 02 01 USE 5451B/10697B FICHE 05451-90480

5451B-060 OPER NOTE NOV76 05451-90450 APR77 05451-90451 8L 01 02 01

5451B-061 OPER NOTE NOV76 05451-90450 APR77 05451-90451 8L 01 02 01

5451B-074 OPER NOTE DEC73 05470-90038 DEC74 05470-90045 01 02 01

5451B-110 INSTAL/OP/SERV NOTE AUG75 05451-90319 AUG75 05451-90320 8L 01 02 01

5451B-157 OPER/SERV NOTE NOV75 05451-90348 JAN76 05451-90349 8L 01 02 01

5451B-226 INSTALL/OPER MAN MAY74 05451-90105 FEB85 05451-90234 8L 01 02 01

5451B-227 INSTALL/OPER NOTE AUG74 05451-90195 FEB85 05451-90196 8L 01 02 01

5451B-228 INSTALL/OPER NOTE AUG74 05451-90195 FEB85 05451-90196 8L 01 02 01
 INSTALL/OPER MAN MAY74 05451-90105 FEB85 05451-90234 8L 01 02 01

5451B-250 INSTAL/OP/SERV NOTE DEC73 05451-90115 FEB85 05451-90236 8L 01 02 01

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5451B-157	OPER/SERV NOTE	NOV75	05451-90348	JAN76	05451-90349	8L	01	02	01
5451B-226	INSTALL/OPER MAN	MAY74	05451-90105	FEB85	05451-90234	8L	01	02	01
5451B-227	INSTALL/OPER NOTE	AUG74	05451-90195	FEB85	05451-90196	8L	01	02	01
5451B-228	INSTALL/OPER NOTE	AUG74	05451-90195	FEB85	05451-90196	8L	01	02	01
	INSTALL/OPER MAN	MAY74	05451-90105	FEB85	05451-90234	8L	01	02	01
5451B-250	INSTAL/OP/SERV NOTE	DEC73	05451-90115	FEB85	05451-90236	8L	01	02	01

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5451B-251		INSTAL/OP/SERV NOTE	DEC73	05451-90115	FEB85	05451-90236	8L	01	02	01	
5451B-252		INSTAL/OP/SERV NOTE	DEC73	05451-90115	FEB85	05451-90236	8L	01	02	01	
5451B-270		INSTAL/OP DEMO NOTE	MAR75	05451-90263	FEB85	05451-90264	8L	01	02	01	
		OPER/SOFTWARE NOTE	MAR77	05451-90465	APR77	05451-90466	8L	01	02	01	
5451B-271		INSTAL/OP DEMO NOTE	MAR75	05451-90263	FEB85	05451-90264	8L	01	02	01	
5451B-272		INSTAL/OP DEMO NOTE	MAR75	05451-90263	FEB85	05451-90264	8L	01	02	01	
5451B-273		INSTAL/OP DEMO NOTE	MAR75	05451-90263	FEB85	05451-90264	8L	01	02	01	
5451B-274		INSTAL/OP DEMO NOTE	MAR75	05451-90263	FEB85	05451-90264	8L	01	02	01	
5451B-300		GEN PROC	FEB76	05451-90376	DEC76	05451-90377	8L	01	02	01	
		OPER NOTE	AUG76	05451-90432	FEB77	05451-90433	8L	01	02	01	
5451B-310		GEN PROC	FEB76	05451-90374	DEC76	05451-90375	8L	01	02	01	
		OPER NOTE	AUG76	05451-90432	FEB77	05451-90433	8L	01	02	01	
5451B-320		GEN PROC	FEB76	05451-90378	DEC76	05451-90379	8L	01	02	01	
		OPER NOTE	AUG76	05451-90432	FEB77	05451-90433	8L	01	02	01	
5451B-350		OPER MAN	JUL76	05451-90401	DEC77	05451-90402	8L	01	02	05	
		MAN SUPP 1	JAN77	05451-90457							
		INSTALL & OPER DEMO	JUL76	05451-90419	DEC77	05451-90420	8L	01	02	01	
		SUPP NO 1	JAN77	05451-90459							
		GEN PROC	AUG76	05451-90422	FEB77	05451-90423	8L	01	02	01	
		SERV MAN	JUN77	05451-90475	FEB80	05451-90476	8L	01	02	02	
5451B-400		INSTAL/OP DEMO NOTE	APR75	05451-90259	APR85	05451-90260	8L	01	02	01	
		GENERATION PROC	MAY75	05451-90302	FEB85	05451-90303	8L	01	02	01	
5451B-401		INSTAL/OP DEMO NOTE	APR75	05451-90259	APR85	05451-90260	8L	01	02	01	
5451B-402		OPER & SERV MAN	JAN76	05451-90354	JAN76	05451-90355	8L	01	02	03	
		DISC LOADING PROC	SEP76	05451-90438	FEB77	05451-90439	8L	01	02	01	
		GEN PROC	SEP76	05451-90440	FEB77	05451-90441	8L	01	02	01	
5451B-403		DISC LOADING PROC	SEP76	05451-90438	FEB77	05451-90439	8L	01	02	01	
		GEN PROC	SEP76	05451-90440	FEB77	05451-90441	8L	01	02	01	
5451B-420		OPER & SERV MAN	FEB76	05451-90382	FEB80	05451-90383	8L	01	02	03	
5451B-450		SOFTWARE MAN	OCT74	05451-90201	MAY79	05451-90202	8L	01	02	04	
		MAN SUPP #1	JUL76	05451-90414							
		MAN CHANGE	APR79	05451-90201							
		SERV MAN	NOV74	05451-90207	NOV77	05451-90208	8L	01	02	02	
		MAN SUPP	AUG75	05451-90309							
		MAN SUPP #2	JUL76	05451-90415							
		OPER NOTE	MAR76	05451-90384	FE677	05451-90385	8L	01	02	02	
		MAN SUPP 1	JUN76	05451-90413							
		INSTALL & OPER DEMO	JUL76	05451-90406	FEB77	05451-90407	8L	01	02	01	

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5451B-450		GEN PROC	AUG76	05451-90428	FEB77	05451-90429	8L	01	02	01	

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MAN SUPP #1	JUL76	05451-90414	MAY77	05451-90202	8L	01	02	04
MAN CHANGE	APR79	05451-90201						
SERV MAN	NOV74	05451-90207	NOV77	05451-90208	8L	01	02	02
MAN SUPP	AUG75	05451-90309						
MAN SUPP #2	JUL76	05451-90415						
OPER NOTE	MAR76	05451-90384	FE677	05451-90385	8L	01	02	02
MAN SUPP 1	JUN76	05451-90413						
INSTALL & OPER DEMO	JUL76	05451-90406	FE677	05451-90407	8L	01	02	01

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5451B-450		GEN PROC	AUG76	05451-90428	FEB77	05451-90429	8L	01	02	01	
5451B-451		INSTALL & OPER DEMO GEN PROC	JUL76 AUG76	05451-90406 05451-90428	FEB77 FEB77	05451-90407 05451-90429	8L	01	02	01	
5451B-452		INSTALL & OPER DEMO GEN PROC	JUL76 AUG76	05451-90406 05451-90428	FEB77 FEB77	05451-90407 05451-90429	8L	01	02	01	
5451B-453		INSTALL & OPER DEMO GEN PROC	JUL76 AUG76	05451-90406 05451-90428	FEB77 FEB77	05451-90407 05451-90429	8L	01	02	01	
5451B-620		INSTAL/OP DEMO NOTE	SEP75	05451-90337	OCT75	05451-90338*	8L	01	02	01	USE 54420A-620 FICHE 05451-90443
5451B-640		INSTALL & OPER DEMO	NOV76	54440-90014	APR77	54440-90015	8L	01	02	01	
5451B-670		OPER/SERV NOTE OPER/SERV NOTE	JUL76 OCT79	54470-90004 54470-90015	DEC77 MAR80	54470-90005* 54470-90016	8L	01	02	01	USE 5451B-670 FICHE 54470-90016
5451B-720		PROGRAMMING GUIDE MAN SUPP #1 MAN SUPP #2 INSTAL/OP DEMO NOTE	MAY74 AUG74 JUL75 MAR75	05451-90161 05451-90185 05451-90308 05451-90253	FEB85 FEB85	05451-90162 05451-90254	8L	01	02	02	
5451B-730		GENERATION PROC INSTALL & OPER DEMO GEN PROC OPER MAN OPER MAN	AUG74 AUG76 AUG76 AUG76 JAN00	05451-90191 05451-90408 05451-90426 05451-90436 05451-90481	AUG74 FEB77 FEB77 FEB77 JAN78	05451-90192* 05451-90409* 05451-90427 05451-90437* 05451-90482	01 8L 8L 8L 8L	02 01 01 01 01	02 02 01 02 02	01 01 01 02 02	USE 5451B-730 FICHE 05451-90427 USE 5451B/10697B FICHE 05451-90478 USE 5451B-730 FICHE 05451-90482
5451B-740		INSTALL & OPER DEMO	AUG76	05451-90424	FEB77	05451-90425	8L	01	02	01	
5451B/5477A		INSTAL/OP/SERV NOTE	NOV76	05451-90448	APR77	05451-90449	8L	01	02	01	
5451C		OPER MAN SYS HARDWARE MAN SYS SERV MAN INSTALL/OPER DEMO OPER & SERV MAN INSTALL/OPER DEMO SYS HARDWARE MAN SYS SOFTWARE MAN MAN CHANGE SYS OPER MAN MAN CHANGE MAN SUPP #1 SYS SERV MAN POCKET REF GUIDE INSTALL/OPER DEMO CUST SUPPORT HANDBK MAN CHANGE SYS HARDWARE MAN MAN CHANGE INSTALL/OPER DEMO SYSTEM SERV MAN MAN CHANGE	MAR78 MAR78 MAY78 APR78 APR78 SEP78 OCT78 NOV78 AUG84 MAR79 JAN83 JUL80 FEB79 JUN80 SEP79 MAY80 OCT81 APR81 JUL83 JUL81 FEB82 JAN83	05451-90489 05451-90493 05451-90495 05451-90497 05451-90502 05451-90515 05451-90517 05451-90519 05451-90519 05451-90529 05451-90529 05451-90537 05451-90531 05451-90540 05451-90543 05451-90548 05451-90548 05451-90557 05451-90557 05451-90563 05451-90565 05451-90565	MAR81 MAY78 MAY78 MAY78 JUN78 AUG79 APR81 DEC84 MAR83 FEB81 FEB81 FEB81 JAN82 NOV83 OCT81 MAR83	05451-90490* 05451-90494* 05451-90496* 05451-90498* 05451-90503 05451-90516* 05451-90518* 05451-90520 05451-90530 05451-90532* 05451-90541* 05451-90544* 05451-90549 05451-90558 05451-90564 05451-90566	8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L 8L	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02 02	02 03 02 01 01 01 04 08 07 03 01 01 04 04 01 03	USE 5451 OPT 450-451 FICHE 05451-90560 USE 5451C FICHE 05451-90518 USE 5451C FICHE 05451-90532 USE 5451C FICHE 05451-90516 CARD 05427-60001 OR 05451-60025 USE 5451C FICHE 05451-90544 USE 5451C FICHE 05451-90558 USE 5451C FICHE 05451-90566 USE 5451C FICHE 05451-90571 USE 5451C FICHE 05451-90564

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
5451C		POCKET REF GUIDE SERV NOTE SET BELOW 5451B-19/5451C-01 5451C-01	OCT82	05451-90570	DEC82	05451-90571	8L	01	02	01		
					JAN83							
OCT78 WA SER 1748A & BELOW MOD TO PREVENT INTER OP OF 5477A SYS CONTROL WHILE RNG MODAL ANALS												

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CUST SUPPORT HANDBK	MAY80	05451-90548	JAN82	05451-90549	8L 01 02 04
MAN CHANGE	OCT81	05451-90548			
SYS HARDWARE MAN	APR81	05451-90557	NOV83	05451-90558	8L 01 02 04
MAN CHANGE	JUL83	05451-90557			
INSTALL/OPER DEMO	JUL81	05451-90563	OCT81	05451-90564	8L 01 02 01
SYSTEM SERV MAN	FEB82	05451-90565	MAR83	05451-90566	8L 01 02 03
MAN CHANGE	JAN83	05451-90565			

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 252
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5451C		POCKET REF GUIDE	OCT82	05451-90570	DEC82	05451-90571	8L	01	02	01	
		SERV NOTE SET BELOW			JAN83						
		5451B-19/5451C-01	OCT78	WA SER 1748A & BELOW	MOD TO PREVENT INTER OP OF 5477A SYS CONTROL WHILE RNG MODAL ANALS						
		5451C-01	JUL80	WO 5460A	DISPLAY UNIT.SER 2020A & ABOVE.NUMERIC DISPLAY CHNGE FM NIXIE TO LED READOUTS						
		5451C-2A	JUL80	WO 181AR	.VAR PERS OSCILLOSCOPE.SPEC BOTTOM COVER TO ELIM ELECTROMAGNETIC INTERFERENCE						
		5451C-0	SEP81	WN ALL SER	.SERV NOTE INDEX						
		5451C-04	JAN82	WN SER 1836 & BELOW	;MOD TO CHECK RATE TO IMPROVE PER						
		5451C-05	JAN82	WA ALL SER	SWTCH REGISTER CABLE MOD						
		5451C-06	SEP82	WN ALL SER	.54440A FILTER ADJ PROC						
		5451C-07	SEP82	WN ALL SER	.54440A DAC ADJ PROC						
5451C-350		INSTAL/OP DEMO NOTE	DEC78	05451-90511	JAN79	05451-90512*	8L	01	02	01	USE 5451C-350 FICHE 05451-90547
		OPER NOTE	DEC78	05451-90513	MAR80	05451-90514*	8L	01	02	01	USE 5451C-350 FICHE 05451-90552
		INSTAL/OP DEMO NOTE	APR80	05451-90546	MAR83	05451-90547	8L	01	02	01	
		MAN CHANGE	JAN83	05451-90546							
		OPER NOTE	APR80	05451-90551	MAR83	05451-90552	8L	01	02	01	
		MAN CHANGE	JAN83	05451-90551							
5451C-402		OPER & SERV MAN	MAR78	05451-90491	APR78	05451-90492*	8L	01	02	03	USE 5451C-402 FICHE 05451-90528
		INSTAL/OP DEMO NOTE	AUG78	05451-90506	FEB81	05451-90507*	8L	01	02	01	USE 5451C-402 FICHE 05451-90556
		OPER & SERV MAN	DEC78	05451-90527	AUG84	05451-90528	8L	01	02	03	
		MAN CHANGE	APR81	05451-90527							
		SUPPLEMENT #1	APR79	05451-90536							
		SUPP #1 MAN CHANGE	MAY80	05451-90536							
		INSTALL/OPER DEMO	MAR81	05451-90555	JUN81	05451-90556	8L	01	02	01	
5451C-403		INSTAL/OP DEMO NOTE	AUG78	05451-90506	FEB81	05451-90507*	8L	01	02	01	USE 5451C-403 FICHE 05451-90556
		INSTALL/OPER DEMO	MAR81	05451-90555	JUN81	05451-90556	8L	01	02	01	
5451C-404		INSTALL/OPER DEMO	MAR81	05451-90555	JUN81	05451-90556	8L	01	02	01	
5451C-450		SOFTWARE MAN	APR78	05451-90500	MAR81	05451-90501*	8L	01	02	03	USE 5451C-450 FICHE 05451-90568
		INSTALL/OPER DEMO	SEP78	05451-90509	MAR81	05451-90510*	8L	01	02	01	USE 5451C-450 FICHE 05451-90562
		INSTALL/OPER DEMO	JUL81	05451-90561	OCT81	05451-90562	8L	01	02	01	
		SOFTWARE MAN	FEB82	05451-90567	FEB83	05451-90568	8L	01	02	03	
5451C-451		INSTALL/OPER DEMO	SEP78	05451-90509	MAR81	05451-90510*	8L	01	02	01	USE 5451C-451 FICHE 05451-90562
		INSTALL/OPER DEMO	JUL81	05451-90561	OCT81	05451-90562	8L	01	02	01	
5452		SERV NOTE SET BELOW			OCT82						
		5450A-1/5451A-1/	APR72	PREV MAINTENANCE & CALIB	PROCEDURE						5452A-1
		5450A-6/5451A-6/	-	MODEL 5460 DSPLY PLOTTER	INTERFACE						5452A-6
5452A		SYSTEM SERV MAN	OCT70	05450-90030	DEC70	05450-90033		01	02	03	
		SYSTEM OPER MAN	SEP70	05450-90029	FEB71	05450-90034		01	02	05	
		MAN CHANGE	NOV70	05450-90029							
		OPER NOTE	JAN71	05450-90036	APR73	05450-90040		01	02	01	FOR MAGNETIC TAPE INTERFACES
5453A		OPER & SOFTWARE MAN	MAY75	05453-90023	MAY75	05453-90024		01	02	04	
5453A-100		SUPERVISOR OPER MAN	DEC74	05453-90015	MAY75	05453-90016		01	02	02	
		MAN SUPP	MAR75	05453-90025							
		CHAFTSMAN OPER MAN	DEC74	05453-90017	JAN75	05453-90018		01	02	01	
		INSTAL/OP DEMO NOTE	DEC74	05453-90089	JAN75	05453-90090		01	02	01	

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61005E
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6102A
6104A
6105A
6106A
6110A
6111A
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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
546A		OPER & SERV MAN	MAY76	00546-90001	JAN77	00546-90002*	8L	01	02	01	USE 546A FICHE 00546-90006
		OPER & SERV MAN	MAY77	00546-90005	AUG85	00546-90006	8L	01	02	01	
		MAN CHANGE	OCT84	00546-90005							
		SERV NOTE SET BELOW			JUL83						
		546A-1	APR80	WD SER 1732A & BELOW	MOD TO IMPR PERF						

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5453A-100	SUPERVISOR OPER MAN	DEC74	05453-90015	MAY75	05453-90016	01	02	02
	MAN SUPP	MAR75	05453-90025					
	CHAFTSMAN OPER MAN	DEC74	05453-90017	JAN75	05453-90018	01	02	01
	INSTAL/OP DEMO NOTE	DEC74	05453-90089	JAN75	05453-90090	01	02	01

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
546A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 546A-1 546A-2	MAY76 MAY77 OCT84	00546-90001 00546-90005 00546-90005	JAN77 AUG85	00546-90002* 00546-90006	8L	01	02	01	USE 546A FICHE 00546-90006
					JUL83						
			APR80	WD SER 1732A & BELOW	MOD TO IMPR PERF						
			MAY83	WO CONFIGRTN CODE 01A	COMPON CHNG REGD WHEN CHNG IC A1U1						
5460A		SERV MAN MAN SUPP #1 SERV NOTE SET BELOW 5460A-1/5451B-14 5460A-2/10697B-1 CONT'D	SEP75 FEB76	05460-90007 05460-90009	NOV77	05460-90008*	8L	01	02	02	USE 5451C FICHE 05451-90558
					MAY78						
			JUN75	WO 5460 LAMTS SER BELOW 1426A	DSPLY PROB WITH 1/N OCTAVE SOFTWARE						
			MAR75	WN SER BELOW 1632	CNTR OF ANALOG X-Y PLOTTER PEN LIFT BY MODAL ANALYSIS II SOFTWARE IN A 5451B FOURIER ANALYZER						
5466A		SERV NOTE SET BELOW 5466A-1 5451A-9/5451B-10/ 5466A-2 5466A-3/5466B-1/ 5478B-1									
				NOT AVAILABLE							
			FEB75	WN ALL SER.OPER DESC OF 5466A	MULTIPLEXR						
			NOV76	WN SER 1620A	IDENT OF HP P/N 05466-60013 INPUT BOARD						
5468A		OPER MAN SUPP #1 SERV MAN MAN SUPP	FEB75 MAY75 APR75 JAN80	05468-90300 05468-90308 05468-90302 05451-90307	JUL75 JUL75	05468-90301 05468-90303		01	02	01	
547A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE	MAR76 JAN78 OCT83	00547-90002 00547-90006 00547-90006	JAN78 MAR84	00547-90003* 00547-90007	8L	01	02	01	USE 547A FICHE 00547-90007
5470A		SOFTWARE NOTE SERV MAN MAN SUPP MAN SUPP #3	JUN73 MAR73 MAR75 AUG76	05470-90027 05470-90024 05470-90050 05470-90052	DEC75 NOV77	05470-90028 05470-90046	8L	01	02	02	
5470A-001		SERV MAN MAN SUPP MAN SUPP #3	MAR73 MAR75 AUG76	05470-90024 05470-90050 05470-90052	NOV77	05470-90046	8L	01	02	02	
5470A-003		SERV MAN MAN SUPP MAN SUPP #3	MAR73 MAR75 AUG76	05470-90024 05470-90050 05470-90052	NOV77	05470-90046	8L	01	02	02	
5470B		OPER NOTE SERV MAN MAN SUPP MAN SUPP #3 OPER. NOTE SERV NOTE SET BELOW 5470B-1 5451B-18/5470B-2	DEC73 MAR73 MAR75 AUG76 DEC73	05470-90038 05470-90024 05470-90050 05470-90052 05470-90039	FEB85 NOV77 NOV75	05470-90045 05470-90046 05470-90051	8L	01	02	01	
				NOT AVAILABLE							
			DEC76	WN RECONFIG WITH FXL-GENERATED SOG TAPES							
5471A		SERV MAN SOFTWARE NOTE MAN SUPP	APR72 SEP72 MAY74	05471-90007 05471-90008 05471-90043	JUL75 JUL75	05471-90044 05471-90045	8L	01	02	01	

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6112A		MAN SERV 6101 610 6 6112
6113A		OPER MAN SERV 6113 6101 610 6 6113
6114A		OPER MAN SERV 6114
6115A		OPER MAN SERV 6115
6116A		OPER SERV 6101 610 61 6 6116
612A		OPER MAN SERV 612A 612A 612A 612A 612A 612A 612A 612A 612A 612A 612A 612A
6128C		OPER MAN SERV

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
5475		SERV NOTE SET BELOW 5475-1	OCT71	WN 5450A OR 5452A	FOURIER ANALYZER SYSTEM.LUB & ADJ PROC FOR KEYBRD ASSY						
					MAY78						
5477		SERV NOTE SET BELOW 5451B-7/5477A-1	AUG74	WO ALL SER.FIELD	MAINTENANCE PROC						
					MAY78						

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6128C		6128C 6128C 6130
6129B		SERV 6129B

5471A SERV MAN APR72 05471-90007
 SOFTWARE NOTE SEP72 05471-90008
 MAN SUPP MAY74 05471-90043

JUL75 05471-90044 8L 01 02 01
 JUL75 05471-90045 8L 01 02 02

6128C OPER
 MAN C
 SERV

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5475 SERV NOTE SET BELOW MAY78
 5475-1 OCT71 WN 5450A OR 5452A FOURIER ANALYZER SYSTEM.LUB & ADJ PROC FOR KEYBRD ASSY

5477 SERV NOTE SET BELOW MAY78
 5451B-7/5477A-1 AUG74 WO ALL SER.FIELD MAINTENANCE PROC

5477A SERV MAN JUN74 05477-90003 MAY75 05477-90004* 01 02 02 USE 5477A FICHE 05477-90009
 SERV MAN AUG77 05477-90008 AUG77 05477-90009* 8L 01 02 02 USE 5477A FICHE 05477-90011
 SERV MAN APR79 05477-90010 SEP80 05477-90011* 8L 01 02 02 USE 5477A FICHE 05477-90013
 SERV MAN NOV80 05477-90012 JAN82 05477-90013* 8L 01 02 02 USE 5477A FICHE 05477-90015
 SERV MAN APR82 05477-90014 JUN82 05477-90015 8L 01 02 01

5478A SERV MAN OCT75 05478-90001 JAN78 05478-90002 8L 01 02 02
 MAN SUPP 1 APR76 05478-90003

5478B SERV MAN OCT75 05478-90001 JAN78 05478-90002 8L 01 02 02
 MAN SUPP 1 APR76 05478-90003
 SERV NOTE SET BELOW MAY78
 5466A-3/5466B-1/ NOV76 WN SER 1620A.IDENT OF HP P/N 05466-60013 INPUT BOARD

5478C OPER & SERV MAN JUN81 05478-90015 NOV83 05478-90016 8L 01 02 03
 MAN CHANGE JUL83 05478-90015
 SERV NOTE SET BELOW JUL81
 5427A-02 JAN80 SER 1928A00230 & BELOW.MOD TO IMPROVE 5427A SELF CHECK RESULTS

54786 SERV NOTE SET BELOW JUL81
 5427A-03 APR81 WN ALL SER.ADJ PROC

548A OPER & SERV MAN JUN76 00548-90001 JAN77 00548-90002* 8L 01 02 01 USE 548A FICHE 00548-90010
 OPER & SERV MAN JUN77 00548-90009 OCT85 00548-90010 8L 01 02 01
 MAN CHANGE OCT84 00548-90009

5480A SERV VOL II III IV JAN71 05480-90013 APR71 05480-90016 01 02 08
 OPER & SERV MAN MAR72 05480-90021 JUN75 05480-90025 8L 01 02 05
 SERV NOTE SET BELOW MAY78
 5480A-1A JAN70 WO SER BELOW 928-00176.IMPR A2A12 TIME BASE BOARD
 5480A-2 MAR70 WN ALL SER.IMPR A3A9.ADDRESS ADDER BOARD
 5480A-3 - ALL SER.SERV TIPS FOR PLOTTR I/O PROB
 5480A/B-4 JAN74 WN SER BELOW 1248A00231 EXCEPT 1132A00220/221.MOD TO IMPR OSCIL TRACE
 5480A/B-5 OCT72 WN ALL SER.REQUIREMENTS FOR AVERAGING

5480B SERV VOL II III IV JAN71 05480-90013 APR71 05480-90016 01 02 08
 OPER & SERV MAN MAR72 05480-90021 JUN75 05480-90025 8L 01 02 05

5481A OPER MAN MAY73 05481-90004 FEB80 05481-90011 8L 01 02 02
 MAN CHANGE OCT73 05481-90004
 SOFTWARE MAN APR73 05481-90005 FEB80 05481-90012 8L 01 02 02
 SERV MAN MAY73 05481-90006 FEB80 05481-90013 8L 01 02 01

5481A-022 INSTALL/OPER NOTE APR73 05481-90008 APR81 05481-90010 8L 01 02 01

5488A SERV NOTE SET BELOW MAY78
 5488A-1 SEP74 WO SER BELOW 948-00054.CORRELATION FORMULA CORRECTION LABEL

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 6128C 6128C-
 6128C-
 6130C
 6129B SERV N
 6129B-
 6129B-
 6131B
 P508
 6129B BCD OPER &
 MAN CH
 6129B BIN OPER &
 MAN CH
 6129C SERV N
 6129B-
 6131B
 P508
 6129C-
 6128C-
 6130C
 6129C-
 6129C-
 6129C BCD OPER &
 6129C BIN OPER &
 6130A PRELIM
 MAN CH
 SERV N
 6130A-
 6933A
 6130A-
 6131B
 6933
 6130A-
 6130A-
 6131B
 6130B OPER &
 MAN CH
 SERV N
 6130A-
 6933A
 6130B-
 6933B
 6130B-
 6933B
 6130A-
 6131B
 6933
 6130B-

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

5500A OPER & SERV MAN FEB72 05525-90014 AUG74 05525-90020 01 02 04

5500B OPER & SERV MAN FEB72 05525-90014 AUG74 05525-90020 01 02 04

5500C OPER & SERV MAN DEC73 05526-90023 JUN75 05526-90026* 01 02 04 USE 5500C FICHE 05526-90036
 OPERATOR HANDBOOK SEP72 05526-90002 JAN74 05526-90029* 01 02 02 USE 5526A FICHE 05526-90038
 SYSTEM SERV MAN MAY77 05526-90035 AUG77 05526-90036* 8L 01 02 04 USE 5526A FICHE 05526-90052
 OPERATOR HANDBOOK JUL77 05526-90037 AUG77 05526-90038* 8L 01 02 01 USE 5526A FICHE 05526-90050

11/08/85 MODEL NUMBER O C L
 6130B 6130B-5
 6130A-4
 6131B-
 6130B BCD OPER &
 MAN CH
 6130C OPER &
 MAN CH

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 255	
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***												
5500A		OPER & SERV MAN	FEB72	05525-90014	AUG74	05525-90020	01	02	04			
5500B		OPER & SERV MAN	FEB72	05525-90014	AUG74	05525-90020	01	02	04			
5500C		OPER & SERV MAN OPERATOR HANDBOOK SYSTEM SERV MAN OPERATOR HANDBOOK SERV NOTE SET BELOW 5500C-1 5500C-2/5501A-5 5526A-5	DEC73 SEP72 MAY77 JUL77	05526-90023 05526-90002 05526-90035 05526-90037	JUN75 JAN74 AUG77 AUG77	05526-90026* 05526-90029* 05526-90036* 05526-90038*	01 01 8L	02 02 01	04 02 04 01	USE 5500C FICHE 05526-90036 USE 5526A FICHE 05526-90038 USE 5526A FICHE 05526-90052 USE 5526A FICHE 05526-90050		
			JAN78	WN ALL SER. INTERPRET OF ZERO WARM-UP TIME								
			NOV79	WN ALL SER. TRBLSHTG SUPP TO OPER & SERV MANS								
			JUN79	WO SER BELOW 1920A. REPL OF HI VOLTAGE & PZT POWER SUPPLIES.								
55005A		USERS MAN MAN CHANGE	OCT82 OCT84	55005-90001 55005-90001	MAR85	55005-90002	8L	01	02	03		
5501A		OPER & SERV MAN SYS OPER & SERV MAN OPER & SERV MAN SYS OPER & SERV MAN OPER & SERV MAN MAN CHANGE SYS OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5501A-0 5501A-1 5501A-2 5501A-3 5501A-4 5500C-2/5501A-5 5501A-6 5501A-7 5501A-8 5501A-9	MAR77 DEC78 MAY79 JAN80 MAY81 MAR85 MAY83 DEC84	05501-90011 05501-90017 05501-90019 05501-90021 05501-90025 05501-90025 05501-90028 05501-90028	MAR79 JAN79 AUG80 AUG82 JUN85	05501-90012* 05501-90018* 05501-90020* 05501-90022* 05501-90026	8L 8L 8L 8L 8L	01 01 01 01 01	02 02 02 02 02	02 04 02 05 02	USE 5501A FICHE 05501-90020 USE 5501A FICHE 05501-90022 USE 5501A FICHE 05501-90026 USE 5501A FICHE 05501-90029	
					JUL82							
			NOV81	WN ALL SER. SERV NOTE INDEX								
			DEC75	WA SER BELOW 1436A. REPL OF HV PWR SUPPLY								
			SEP77	WA SER BELOW 1712A. MOD TO ELIM RANDOM RETUNE PROB								
			JAN78	WN ALL SER. INTERPRETATION OF ZERO WARM-UP TIME								
			-	WO ALL SER. REPAIR OF NEW HI VOLT PWR SUPPLY IN EVENT LASER TUBE FAILS TO LIGHT								
			NOV79	WN ALL SER. TRBLSHTG SUPP TO OPER & SERV MANS								
			FEB80	ALL SER. NOTIF OF NEW SERV KITS								
			JUN80	10763A SER PFX 2012A & ABOVE. MOD TO IMPROVE PERF BY ADDING AUX RESET CAPABILITY								
			AUG81	WN REC CLEANING PROC FOR OPT INSTRUMENTS								
			MAR82	WO SER 2020 & BELOW; LASER CURRENT FAULT INDICATOR SPECIFICA CHANGED								
5501A SYS.		OPER & SERV MAN OPER & SERV MAN	OCT76 SEP77	05501-90007 05501-90013	APR77 OCT77	05501-90008* 05501-90014*	8L	01	02	04	USE 5501A SYS. FICHE 05501-90014 USE 5501A FICHE 05501-90018	
5505A		OPER & SERV MAN OPER & SERV MAN OPERATOR HANDBOOK SYSTEM SERV MAN OPERATOR HANDBOOK SERV NOTE SET BELOW 5526A-1 CONT'D 5505A-1 5505A-2 5505A-3 5505A-4 5505A-6 5505A-7	FEB72 DEC73 SEP72 MAY77 JUL77	05525-90014 05526-90023 05526-90002 05526-90035 05526-90037	AUG74 JUN75 JAN74 AUG77 AUG77	05525-90020 05526-90026* 05526-90029* 05526-90036* 05526-90038*	01 01 01 8L	02 02 02 02 01	04 04 02 04 01	USE 5505A FICHE 05526-90036 USE 5526A FICHE 05526-90038 USE 5526A FICHE 05526-90052 USE 5526A FICHE 05526-90050		
			NOV72	WO SER BELOW 1108A. MOD TO STOP DAMG T O 5500C LAZER HEAD OR ANY OLDER LAZER WITH NEW TUBE WHEN USED WITH 5505A LAZR DSPLY								
			DEC73	WO SER BELOW 1312. SOLU FOR DECD DIVIDER NOISE PROBLEM								
			-	NOT AVAILABLE								
			JAN76	WN SER BELOW 1436A. REPL OF A8 FUNC BRD ASSEMBLY								
			OCT76	WA SER 01007-01043, 45, 46, 48, 49, 52 TO 57. REPL OF XFI FUSE HOLDER								
			-	ALL SER. NOTIF OF NEW SERV KITS								
			JAN80	SER 1948A & ABOVE. MEASMT CAPABILITIES USING PLANE MIRROR OPTICS								
5505A-002		MAN SUPP 5525A/B/6A	OCT71	05505-90007	OCT75	05505-90009	8L	01	02	01		

11/08/85 MODEL NUMBER	O C	LIT
6130B		6130B-5/ 6130A-4/ 6131B-5
6130B BCD		OPER & S MAN CHAN
6130C		OPER & S MAN CHAN SERV NOT 6130B-5/ 6130C-2/ 6128C-2/ 6130C-3 6130C-4 6130C-5 6130C-6
6130C BCD		INTER NO
6130C BIN		OPER & S
6131B		SERV NOT 6130B-2/ 6933B-2 6130B-3/ 6933B-3 6130A-2/ 6131B-3 6933B- 6131B-4 6130A-4/ 6131B-5 6129B-2/ 6131B-2 P5080-
6131B BCD		OPER & S MAN CHAN
6131B BIN		OPER & S MAN CHAN
6131C		OPER & S MAN CHAN SERV NOT 6129B-2/ 6131B-6 P5080- 6131C-2 6131C-3 6131C-4 6131C-5
6131C BCD		INTER NO

5510A

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* DESCRIPTION ***
RECUTE TRIGGER

2-90009

XTAL OSC
OF DEFECTIVE

3-90006

-0736)
18 (A1U11) EIGHT

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***	DESCRIPTION ***
5510A		OPER & SERV MAN	MAR77	05510-90012	APR77	05510-90013*	8L	01	02	03	USE 5510A FICHE 05510-90015				
		OPER & SERV MAN	SEP78	05510-90014	MAR81	05510-90015*	8L	01	02	03	USE 5510A FICHE 05510-90017				
		OPER & SERV MAN	FEB81	05510-90016	OCT85	05510-90017	8L	01	02	03					
		MAN CHANGE	MAY85	05510-90016											
		SERV NOTE SET BELOW 5510A-1			OCT85										
			APR85	WN SER 2520A03686.A9	CONTROL	BD ASSY					IC CHNG				
5512A		OPER & SERV MAN	JUN67	05212-9009	JAN71	05212-90010		01	02	03					
		MAN CHANGE	OCT70	05212-9009											
		SERV NOTE SET BELOW 5212A/5512A			APR80										
		5212A/5512A-2	JUL66	SER BELOW 306	REPL	DIODE FOR A1CR1					IN AMPLFR ASSY				
			AUG66	SER BELOW 608	REPL	TRANS FOR A8Q1					IN OSCIL ASSY				
5512A-02		OPER & SERV MAN	JUN67	05212-9009	JAN71	05212-90010		01	02	03					
		MAN CHANGE	OCT70	05212-9009											
5512A-03		OPER & SERV MAN	JUN67	05212-9009	JAN71	05212-90010		01	02	03					
		MAN CHANGE	OCT70	05212-9009											
5517A		OPER & SERV MAN	APR84	05517-90004	OCT85	05517-90005	8L	01	02	02					
		MAN CHANGE	JUN85	05517-90004											
		OPER & SERV MAN	MAY85	05517-90007	OCT85	05517-90008	8L	01	02	02					
		MAN CHANGE	JUL85	05517-90007											
		OPER NOTE	NOV83	10791-90007	FEB84	10791-90008	8L	01	02	01					
5517A/18A		SERV NOTE SET BELOW 5517A/18A-1			OCT85										
		5517A/18A-2	APR85	WO ALL SER.REPAIR OF SAMPLE ASSY											
		CONT'D	APR85	WN SER 2502A01011 & ABOVE	NOTICE OF CHNG FROM 5518A LASER TUBE TO 5517A LASER TUBE IN 5518A LASER HEADS										
5518A		OPER NOTE	NOV83	10791-90007	FEB84	10791-90008	8L	01	02	01					
5525-010		OPER NOTE	JAN00	05525-90005	SEP74	05525-90021		01	02	01					
5525A		OPER HANDBOOK	AUG71	05525-90012	APR81	05525-90023	8L	01	02	01					
		OPER & SERV MAN	FEB72	05525-90014	AUG74	05525-90020		01	02	04					
5525A/B		SERV NOTE SET BELOW 5525A-1			OCT79										
		5525A-2	-	NOT AVAILABLE											
		5525A/B-3/5526A-4	JUN75	WN ALL SER.ELECTRICAL SAFTY CONSIDERATIONS FOR MACHINE TOOLS.											
		5525A/B-4	MAY75	WA ALL SER.LAZAR TUBE SAFETY.											
5525B		OPER HANDBOOK	AUG71	05525-90012	APR81	05525-90023	8L	01	02	01					
		OPER & SERV MAN	FEB72	05525-90014	AUG74	05525-90020		01	02	04					
5526A		OPER & SERV MAN	DEC73	05526-90023	JUN75	05526-90026*		01	02	04	USE 5526A FICHE 05526-90036				
		OPERATOR HANDBOOK	SEP72	05526-90002	JAN74	05526-90029*		01	02	02	USE 5526A FICHE 05526-90038				
		COMPENS FACT HNDBK	SEP73	05526-90014	OCT81	05526-90032	8L	01	02	01	-90014 & -90068 INCLUDED IN -90033				
		MAN CHANGE	AUG81	05526-90014											
		SYSTEM SERV MAN	MAY77	05526-90035	AUG77	05526-90036*	8L	01	02	04	USE 5526A FICHE 05526-90052				
		OPERATOR HANDBOOK	JUL77	05526-90037	AUG77	05526-90038*	8L	01	02	01	USE 5526A FICHE 05526-90050				
		OPER MAN	JUN78	05526-90047	MAY79	05526-90048*	8L	01	02	02	USE 10585A FICHE 10585-90004				
		OPERATORS HANDBOOK	SEP78	05526-90049	NOV80	05526-90050*	8L	01	02	01	USE 5526A FICHE 05526-90069				

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5525A	OPER HANDBOOK OPER & SERV MAN	AUG71 05525-90012 FEB72 05525-90014	APR81 05525-90023 AUG74 05525-90020	8L 01 02 01 01 02 04
5525A/B	SERV NOTE SET BELOW 5525A-1 5525A-2 5525A/B-3/5526A-4 5525A/B-4	- NOT AVAILABLE - NOT AVAILABLE JUN75 WN ALL SER.ELECTRICAL MAY75 WA ALL SER.LAZAR TUBE	OCT79 SAFTY CONSIDERATIONS FOR MACHINE TOOLS.	
5525B	OPER HANDBOOK OPER & SERV MAN	AUG71 05525-90012 FEB72 05525-90014	APR81 05525-90023 AUG74 05525-90020	8L 01 02 01 01 02 04
5526A	OPER & SERV MAN OPERATOR HANDBOOK COMPENS FACT HNDBK MAN CHANGE SYSTEM SERV MAN OPERATOR HANDBOOK OPER MAN OPERATORS HANDBOOK	DEC73 05526-90023 SEP72 05526-90002 SEP73 05526-90014 AUG81 05526-90014 MAY77 05526-90035 JUL77 05526-90037 JUN78 05526-90047 SEP78 05526-90049	JUN75 05526-90026* JAN74 05526-90029* OCT81 05526-90032 AUG77 05526-90036* AUG77 05526-90038* MAY79 05526-90048* NOV80 05526-90050*	01 02 04 01 02 02 8L 01 02 01 8L 01 02 04 8L 01 02 01 8L 01 02 02 8L 01 02 01 USE 5526A FICHE 05526-90036 USE 5526A FICHE 05526-90038 -90014 & -90068 INCLUDED IN -90033 USE 5526A FICHE 05526-90052 USE 5526A FICHE 05526-90050 USE 10585A FICHE 10585-9000A USE 5526A FICHE 05526-90069

MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***
5526A		SYSTEM SERV MAN	NOV78	05526-90051	SEP80	05526-90052*	8L	01	02	04	USE 5526A FICHE 05526-90073
		OPER HANDBOOK SUPP	JAN80	05526-90058	MAR80	05526-90059	8L	01	02	01	ANGULAR/FLATNESS INTERFER MSMT SYST
		OPER HANDBOOK SUPP	JAN80	05526-90060	MAR80	05526-90061	8L	01	02	01	SINGLE &/OR DUAL AXIS PLANE MIRROR MSMT
		OPER HANDBOOK SUPP	JAN80	05526-90062	MAR80	05526-90063	8L	01	02	01	LINEAR INTERFEROMETER MEASUREMENT SYSTS
		USERS GUIDE	OCT80	05526-90066	DEC80	05526-90067	8L	01	02	03	
		OPER HANDBOOK	DEC80	05526-90068	JAN84	05526-90069	8L	01	02	01	-90014 & -90068 INCLUDED IN -90033
		OPER HANDBOOK SUP	APR81	05526-90070	JUL81	05526-90071*	8L	01	02	01	USE 5526A FICHE 05526-90071
		SYSTEM SERV MAN	OCT81	05526-90072	NOV81	05526-90073*	8L	01	02	04	USE 5526A FICHE 05526-90081
		SERV HANDBOOK SUPP	AUG81	05526-90074	DEC83	05526-90075	8L	01	02	01	
		OPER HANDBOOK SUPP	MAY82	05526-90076	JUL82	05526-90077	8L	01	02	01	
		SYS MAN	OCT82	05526-90080	JAN83	05526-90081	8L	01	02	04	
		SERV NOTE SET BELOW			JAN82						
		5526A-0	SEP81	WN ALL SER.SERV NOTE INDEX							
		5526A-1	NOV72	WO 5505A LAZER DSPLY SER BELOW 1108A.MOD TO STOP LAZER TUBE DAMG IN 5505A LAZER DISPLAY							
		5526A-2	SEP73	WO 5500C LAZER HEAD SER BELOW 1236A.PROC FOR FLD INSTAL OF REPL LAZR TUBE IN 5500C LAZER HEAD							
		5526A-3	FEB74	WN 5500A/B/C LAZER HEAD.ALL SER.LAZER SAFTY REGULATION IN USA							
		5526A/B-3/5526A-4	JUN75	WN ALL SER.ELECT SAFE CONSDR FOR MACHINE TOOLS							
		5526A-4	AUG78	WO SER 1648A & BELOW.MOD TO ELIM LASER STARTING PROBLEMS.							
		5526A-5A	FEB80	WO SER BELOW 1920A.REPL OF HI VOLTAGE & PZT POWER SUPPLIES.							
		5526A-6	AUG81	WN REC CLEANING PROC FOR OPT ACCESSORIES							
5526A-010		OPERATOR HANDBOOK	SEP72	05526-90002	JAN74	05526-90029*	01	02	02	USE 5526A-010 FICHE 05526-90043	
		OPT 010 OPER HNDBK	NOV72	05526-90004	OCT77	05526-90043*	8L	01	02	01	USE 5526A-010 FICHE 05526-90056
		OPER HNDBK SUPP	JUL79	05526-90055	OCT79	05526-90056*	8L	01	02	01	USE 5526A FICHE 05526-90063
5526A-011		OPER HANDBK SUPP	NOV72	05526-90008	OCT77	05526-90045	8L	01	02	01	
5526A-030		OPER HANDBOOK SUPP	JUL77	05526-90039	MAR80	05526-90040*	8L	01	02	01	USE 5526A FICHE 05526-90077
		SERV MAN SUPP	JUN79	05526-90053	MAR80	05526-90054*	8L	01	02	01	USE 5526A FICHE 05526-90075
5526A-031		OPER HANDBOOK SUPP	JUL77	05526-90039	MAR80	05526-90040*	8L	01	02	01	USE 5526A FICHE 05526-90077
		SERV MAN SUPP	JUN79	05526-90053	MAR80	05526-90054*	8L	01	02	01	USE 5526A FICHE 05526-90075
5526A-032		OPER HANDBOOK SUPP	JUL77	05526-90039	MAR80	05526-90040*	8L	01	02	01	USE 5526A FICHE 05526-90077
		SERV MAN SUPP	JUN79	05526-90053	MAR80	05526-90054*	8L	01	02	01	USE 5526A FICHE 05526-90075
5526A-200		OPER MAN	FEB74	05526-90027	JUN75	05526-90028	01	02	01		
		MAN CHANGE	APR75	05526-90027							
5526A-210		OPER MAN	SEP75	05526-90030	OCT82	05526-90031	8L	01	02	02	
		MAN CHANGE	DEC75	05526-90030							
5528A		USER'S GUIDE	OCT82	05528-90003	MAY84	05528-90004*	8L	01	02	07	USE 5528A FICHE 05528-90011
		SERV MAN	OCT83	05528-90005	OCT85	05528-90006	8L	01	02	07	
		MAN CHANGE	JUN85	05528-90005							
		USER'S GUIDE	APR84	05528-90010	MAR85	05528-90011	8L	01	02	07	
		MAN CHANGE	AUG84	05528-90010							
55286A		USER'S GUIDE	APR83	55288-90006	MAY84	55288-90007*	8L	01	02	02	USE 55286S FICHE 55288-90009
55286S		USER'S GUIDE	OCT84	55288-90008	DEC84	55288-90009	8L	01	02	02	
55288A		USER'S GUIDE	APR83	55288-90006	MAY84	55288-90007*	8L	01	02	02	USE 55288S FICHE 55288-90009

5526A-200	OPER MAN MAN CHANGE	FEB74 05526-90027 APR75 05526-90027	JUN75 05526-90028	01 02 0
5526A-210	OPER MAN MAN CHANGE	SEP75 05526-90030 DEC75 05526-90030	OCT82 05526-90031	8L 01 02 02
5528A	USER'S GUIDE SERV MAN MAN CHANGE USER'S GUIDE MAN CHANGE	OCT82 05528-90003 OCT83 05528-90005 JUN85 05528-90005 APR84 05528-90010 AUG84 05528-90010	MAY84 05528-90004* OCT85 05528-90006	8L 01 02 07 USE 5528A FICHE 05528-90011 8L 01 02 07
55286A	USER'S GUIDE	APR83 55288-90006	MAY84 55288-90007*	8L 01 02 02 USE 55286S FICHE 55288-90009
55286S	USER'S GUIDE	OCT84 55288-90008	DEC84 55288-90009	8L 01 02 02
55288A	USER'S GUIDE	APR83 55288-90006	MAY84 55288-90007*	8L 01 02 02 USE 55288S FICHE 55288-90009

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DESCRIPTION ***

11/08/35 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 258
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
55288S		USER'S GUIDE	OCT84	55288-90008	DEC84	55288-90009	8L	01	02	02	
5532A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5232A/5532A-1A 5232A/5532A-2	MAR67 MAY71 JUN66 SEP66	05232-9006 05232-9006 ALL SER.REPL TRANS FOR A10Q1 TO A10Q8 IN DECD DIVIDER SER BELOW 604.MOD TO A2 TRIG ASSY	SEP71	05232-9007		01	02	05	
5532A-02		OPER & SERV MAN MAN CHANGE	MAR67 MAY71	05232-9006 05232-9006	SEP71	05232-9007		01	02	05	
5532A-03		OPER & SERV MAN MAN CHANGE	MAR67 MAY71	05232-9006 05232-9006	SEP71	05232-9007		01	02	03	
5551A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 5551A-1 5551A-2	NOV65 MAR66 APR66	05551-9003 05551-9003 REPL XFMR KIT SER BELOW 554-.PREF REPL FOR A1Q1	NOV72	5951-6257	8L	01	02	01	
5551A-01		OPER & SERV MAN MAN CHANGE	NOV65 MAR66	05551-9003 05551-9003	NOV72	5951-6257	8L	01	02	01	
5552A		TEMP OP & SERV MAN	JAN00	05552-90003	AUG81	05552-90004	8L	01	02	01	
5554A		OPER & SERV MAN MAN CHANGE	MAR68 JUN70	05554-9004 05554-9004	JUL80	05554-9005	8L	01	02	02	
5560A		OPER & SERV MAN	NOV70	05560-90018	OCT74	05560-90019		01	02	02	
5580A		OPER & SERV MAN MAN CHANGE	JUL69 JUN71	05580-9010 05580-9010	OCT80	05580-9013	8L	01	02	02	
5580B		OPER & SERV MAN MAN CHANGE	JUL69 JUN71	05580-9010 05580-9010	OCT80	05580-9013	8L	01	02	02	
5582A		OPER & SERV MAN	APR68	05582-9004	APR81	05582-9005	8L	01	02	01	
5583A		OPER & SERV MAN	AUG69	05583-9004	APR81	05583-9005	8L	01	02	02	
5585A		OPER & SERV MAN MAN CHANGE	MAY68 OCT68	05585-9004 05585-9004	AUG71	05585-9005		01	02	02	
5590A		OPER & SERV MAN MAN CHANGE	APR69 AUG72	05590-90005 05590-90005	APR81	05590-90006	8L	01	02	02	
560 SERIES		SERV MAN	JUL66	00560-9014	APR85	00560-9015	8L	01	02	02	
560A		OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 560A-1B 560A-2D	JUL60 FEB61 FEB65 MAY66 MAY71 JAN68	560A-501D 560A-501D 00560-9012 00560-9012 CAM SHAFT PARTS REPLACEMENTS CLUTCH SOLENOID REPL PROCEDURE	JUN79	560A-907	8L	01	02	02 SERIALS PREFIXED 026- OR 038-	
					APR85	00560-9016	8L	01	02	02	

0022
OR -90044
0031
0033
0052
0035
0052
0068

022
 R -90044
 031
 033
 052
 035
 052
 068

5583A	OPER & SERV MAN	AUG69 05583-9004	APR81 05583-9005	8L 01 02 02
5585A	OPER & SERV MAN MAN CHANGE	MAY68 05585-9004 OCT68 05585-9004	AUG71 05585-9005	01 02 02
5590A	OPER & SERV MAN MAN CHANGE	APR69 05590-90005 AUG72 05590-90005	APR81 05590-90006	8L 01 02 02
560 SERIES	SERV MAN	JUL66 00560-9014	APR85 00560-9015	8L 01 02 02
560A	OPER & SERV MAN MAN CHANGE OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 560A-1B 560A-2D	JUL60 560A-501D FEB61 560A-501D FEB65 00560-9012 MAY66 00560-9012 MAY71 JAN68	JUN79 560A-907 APR85 00560-9016	8L 01 02 02 SERIALS PREFIXED 026- OR 038- 8L 01 02 02
			MAY78 CAM SHAFT PARTS REPLACEMENTS CLUTCH SOLENOID REPL PROCEDURE	

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DESCRIPTION ***

MOD TO IMPROVE

INDICATIONS

TO PREVENT STICKY

22 FP/N CHANGE
 028

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	DESCRIPTION ***	DESCRIPTION ***
560A		560A-3	-	SER 120 + DOWN.PAPER ROLLER DETENT MECHANISM REPLACEMENT								
		560A-4	-	SER 170 + DOWN.INSTALL PROC FOR REPL Z12 PRINT CONTROL UNIT								
		560A-5A	-	SER 345 + DOWN.FAN KIT STOCK 560A-95L REPL PROCEDURE								
		560A-6	-	SER 495 + DOWN.OILITE BUSHINGS INSTALLATION PROCEDURE								
		560A-7	-	SER 496 + DOWN.MOTOR FUSE INSTALL								
		560A-8	-	PRINT WHEEL + SOLENOID ASSY INSTALL								
		560A-9	-	PAWL MAGNET ASSY REPL PROCEDURE								
		560A-10B	DEC71	PRINT ARM ASSY REPT PROCEDURE								
		560A-11B	AUG71	INSTL OF REPL PRINT WHEEL ASSEMBLIES								
		560A-12A	-	SER BELOW 009-1646.IMPR PERF + GREATER CONV MOD								
		560A-13D	-	MAINTENANCE KIT								
		560A-14A	FEB72	PRINTER MECH MAINT SCHEDULE								
		560A-15A	-	SER 018-00213 + DOWN.MOD TO INCREASE CLUTCH RELIABILITY								
		560A-16	JUN67	SER 026-01995 + DOWN.NOISE SUPPRESSORINSTALLATION								
		560A-17	-	SPRING REPL KIT INSTALLATION								
561A/B		SERV NOTE SET BELOW		MAY78								
		560A-1B	-	CAM SHAFT PRTS REPLACEMENT								
		560A-2D	JAN68	CLUTCH SOLENOID ASSY REPLACEMENT								
		560A-7	-	SER 166 + DOWN.MOTOR PROT FUSE INSTAL								
		560A-9	-	PAWL MAGNET ASSY REPL PROCEDURE								
		560A-11B	DEC71	PRINT ARM ASSY REPL PROCEDURE								
		560A-11B	AUG71	INSTL OF REPL PRINT WHEEL ASSEMBLIES								
		560A-13D	-	MAINTENANCE KIT								
		560A-14A	FEB72	PRINTER MECH MAINT SCHEDULE								
		560A-15A	-	SER 387 + DOWN.CLTCH FILTR KIT INSTAL								
		560A-16	JUN67	SER 387 + DOWN.NOISE SUPRES INSTAL								
		560A-17	-	SPRING REPL KIT INSTALLATION								
		561A-1	-	SER BELOW 267.ELEC + MECH MODIFICATNS								
		561B-2	-	SER 014-00391 + DOWN.PRINT WHEEL GEAR KIT INSTALLATION								
		561B-3	AUG61	DUAL INPT COUPLER ASSY INSTALLATION								
561B		OPER & SERV MAN 2	JUN67	00561-9002	AUG70	00561-9003	01	02	01		SERIAL PFXES 038-, 241- & 334-	
		OPER & SERV MAN 1	FEB60	561B-501A	JUL75	00561-9004	01	02	01		SERIAL PFXES 001- & 016-	
		MAN CHANGE	MAY60	561B-501A								
562A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW	AUG71	00562-9006 APR72 00562-9006	JUN72	00562-9007	01	02	03			
		560A-1B	MAY71	CAM SHAFT PARTS REPLACEMENT								
		560A-2D	JAN68	CLTCH SOLENOID ASSY REPL PROCEDURE								
		560A-9	-	PAWL MAGNET ASSY REPL PROCEDURE								
		560A-11B	AUG71	INSTL OF REPL PRINT WHEEL ASSEMBLIES								
		560A-13D	-	MAINTENANCE KIT								
		560A-14A	FEB72	PRINTER MECH MAINTENANCE SCHEDULE								
		560A-17	-	SPRING REPL KIT INSTALLATION								
		562A-1A	-	ANALOG CIR ASSY INSTALLATION								
		562A-2	APR66	A13Q7 + A13Q15 REC REPLACEMENTS								
		562A-2-S	JUL79	WA SAFETY.ALL SER.MOD TO ELIM SHOCK HAZARD INSIDE FRONT PANEL DOOR.								
5636		SERV NOTE SET BELOW		MAY78								
		5636-1	JAN70	WO REC REPL PROC FOR FAN MOTOR								
		5636-2	JAN70	WO REC PROC FOR CONV FROM 115 VAC TO 230 VAC OPERATION								
565A		OPER & SERV MAN	JUL71	00565-9003	JUL75	00565-9005	01	02	01			

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2 FP/N CHANGE
28

SERV NOTE SET BELOW		OCT79
560A-1B	MAY71	CAM SHAFT PARTS REPLACEMENT
560A-2D	JAN68	CLTCH SOLENOID ASSY REPL PROCEDURE
560A-9	-	PAWL MAGNET ASSY REPL PROCEDURE
560A-11B	AUG71	INSTL OF REPL PRINT WHEEL ASSEMBLIES
560A-13D	-	MAINTENANCE KIT
560A-14A	FEB72	PRINTER MECH MAINTENANCE SCHEDULE
560A-17	-	SPRING REPL KIT INSTALLATION
562A-1A	-	ANALOG TR ASSY INSTALLATION
562A-2	APR66	A13Q7 + A13Q15 REC REPLACEMENTS
562A-2-S	JUL79	WA SAFETY.ALL SER.MOD TO ELIM SHOCK HAZARD INSIDE FRONT PANEL DOOR.

5636 SERV NOTE SET BELOW MAY78
5636-1 JAN70 WO REC REPL PROC FOR FAN MOTOR
5636-2 JAN70 WO REC PROC FOR CONV FROM 115 VAC TO 230 VAC OPERATION

565A OPER & SERV MAN JUL71 00565-9003 JUL75 00565-9005 01 02 01

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DESCRIPTION ***

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 260
			*** DESCRIPTION ***			*** DESCRIPTION ***			*** DESCRIPTION ***		
565A		MAN CHANGE SERV NOTE SET BELOW	SEP72	00565-9003	JUL75	00565-9005	01	02	01		
		560A-1B	MAY71		OCT79						
		560A-2D	JAN68								
		560A-9	-								
		560A-10B	DEC71								
		560A-13D	-								
		560A-14A	FEB72								
		560A-15A	-								
		560A-17	-								
570A		OPER & SERV MAN	SEP65	00570-9002	OCT71	00570-9003	01	02	02		
5700A		OPER & SERV MAN	DEC66	05700-90000	FEB85	05700-90050	8L	01	11	02	
5701A		OPER & SERV MAN	DEC66	05700-90000	FEB85	05700-90050	8L	01	11	02	
571B		OPER & SERV MAN	MAR68	00571-9003	OCT74	00571-9004	01	02	02		
5731		SERV NOTE SET BELOW			APR79						
		5731-1/5381-2	MAR65								
				REC ZENER DIODE REPLACEMENT							
580A		OPER & SERV MAN	MAR75	00580-9007	APR85	00580-9008	8L	01	02	02	
581A		OPER & SERV MAN	MAR75	00580-9007	APR85	00580-9008	8L	01	02	02	
59300-10001		SERV NOTE SET BELOW			JAN82						
		59300-1A	JAN81								
		59300A-2	SEP81								
				WN REV L.LIST OF HP-IB TEST TAPES & INSTRUCT FOR COUNTER-TYPE PRODUCTS FM HP SAFL DIV							
				WN ALL SER.NEW HP-IB TEST TAPE FOR HP85A CONTROLLER AVAIL AS P/N 59300-10002							
59300-10002		SERV NOTE SET BELOW			APR83						
		59300A-2D	FEB83								
				WN ALL SER.NEW HP-IB TEST TAPE FOR HP85A							
59301A		OPER & SERV MAN	AUG73	59301-90003	JUN85	59301-90004	8L	01	02	02	
		MAN CHANGE	MAR85	59301-90003							
		SERV NOTE SET BELOW			APR82						
		59301A-1	FEB76								
		59301A-2	MAY77								
		59301A-3	SEP81								
				WA SER 2012A02468 TO 2012A02630 JUMPER TO CORRECT IMPROPER OUTPUT LEVEL ON J1(1)							
59303A		OPER & SERV MAN	MAR74	59303-90001	JUN85	59303-90003	8L	01	02	02	
		MAN CHANGE	MAR85	59303-90001							
		SERV NOTE SET BELOW			JAN81						
		59303A-1	-								
		59303A-2	OCT80								
				WA SER 2012A01375 & BELOW.REC IC CHANGE TO GUARANTEE DAC SETTLING TIME SPEC							
59304A		OPER & SERV MAN	JAN74	59304-90001	SEP79	59304-90003	8L	01	02	02	
		MAN CHANGE	JUL79	59304-90001							
		SERV NOTE SET BELOW			JAN81						
		59304A-1	APR77								
				WN ALL SER.HP-IB VERFN PGM USING 9825A							
59306A		OPER & SERV MAN	OCT73	59306-90001	JUN85	59306-90003	8L	01	02	02	
		MAN CHANGE	MAR85	59306-90001							
		SERV NOTE SET BELOW			JAN81						
		59306A-1	AUG75								
				WO SER BELOW 1332A00200.MOD TO PREV LOSS OF REMOTE CONTRL WHEN SUBJECT TO MECH SHOCK							

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59303A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59303A-1 59303A-2	MAR74 59303-90001 MAR85 59303-90001	JUN85 59303-90003 8L 01 02 02
			JAN81 - ALL SER.HP-IB VERFN PGM USING 9825A OCT80 WA SER 2012A01375 & BELOW.REC IC CHANGE TO GUARANTEE DAC SETTLING TIME SPEC
59304A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59304A-1	JAN74 59304-90001 JUL79 59304-90001	SEP79 59304-90003 8L 01 02 02
			JAN81 APR77 WN ALL SER.HP-IB VERFN PGM USING 9825A
59306A	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59306A-1	OCT73 59306-90001 MAR85 59306-90001	JUN85 59306-90003 8L 01 02 02
			JAN81 AUG75 WO SER BELOW 1332A00200.MOD TO PREV LOSS OF REMOTE CONTRL WHEN SUBJECT TO MECH SHOCK

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DESCRIPTION ***

PREVENT STICKY

18

-90533

-90016

PREVENT STICKY

17

19

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*** DESCRIPTION ***											
59306A		59306A-2 59306A-3 59306A-4 59306A-5 59306A-6 59306A-7 CONT'D 59306A-8	DEC76 FEB77 JUL77 AUG77 NOV79 OCT80	WO WN WN WA WO WA	SER BELOW 1632A00601.NOISE FILTR ON REN TO PREV NON-PROG DROPPING OUT OF REMOTE ALL SER.HP-IB VER PGM USING 9825A ALL SER.PROGRAMMING CODES ASCII A9&B9 SER 1712A & BELOW.DROPPING OUT OF REMOTE & UNPROGRAMMED RELAY STATE CHANGES SER 1920A02380 & BELOW.SOLDER WIRES OF A2W1 TO SOLDER LUGS TO PREVENT INTERMITTENT CONNECTION TO REAR TERMINALS SER 1920A02861 TO 1920A03110.INSTRUCT FOR REPL INCORRECT FRONT PANELS	ALL SER.HP-1B VERIF PROGRAM USING 982*** REPL BY 59306A-4					1078
59307A		OPER & SERV MAN OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59307A-1 59307A-2 59307A-3 59307A-4	NOV73 JUN83 MAR85	59307-90001 59307-90004 59307-90004	NOV82 JUN85	59307-90003* 59307-90005	8L 01 02 02	02	02	USE 59307A FICHE 59307-90005	
			AUG75 DEC76 MAR77 SEP77	WO WO WN WA	SER BELOW 1332A00180.MOD TO PREV LOSS OF REMOTE CONTRL WHEN SUBJECT TO MECH SHOCK SER BELOW 1632A00571.NOISE FILTR ON REN TO PREV NON-PROG DROPPING OUT OF REMOTE ALL SER.HP-IB VERFN PGM USING 9825A SER BELOW 1644A.MOD TO PREVENT SW FM DROPPING OUT OF REMOTE DUE TO EXCES NOISE SENS						
59308A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59308A-1A 59308A-2 59308A-3A 59308A-4	JUN75 AUG83	59308-90004 59308-90004	NOV83	59308-90005	8L 01 02 02				
			MAY83 SEP77 AUG80 OCT80	WN WA WA WA	ALL SER.HP-IB VERFN PGM USING 9825A SER BELOW 1632A.MOD TO PREVENT GEN FM DROPPING OUT OF REMOTE DUE TO EXCES NOISE SENS SER 174DA00466 THRU 2012A00965.MOD TO CORRECT A1C23 BYPASS CAP INSTALLATION SER 2012A00990 & BELOW.JUMPER WIRE TO CORRECT INTERMITTENT &/OR INCORRECT HP-IB OPER						
59309A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59309A-1 59309A-2 59309A-3 59309A-4 59309A-5 59309A-6A 59309A-7	DEC76 MAR85	59309-90004 59309-90004	JUN85	59309-90005	8L 01 02 02				
			JUL75 FEB77 JUN77 NOV79 NOV79 JAN81 OCT81	WO WN WN WO WO WA WA	SER BELOW 1428A.MOD TO CORRECT OPERATION AT TURN-ON ALL SER.PROG THE CLK TO STORE & OUTPT TIME CORRECTLY ALL SER.HP-IB VERFN PGM USING 9825A PREF REPL OF HP-IB BDS,P/N 59309-60005 TO PREVENT INTERNAL SHORT NEAR U14 MOD TO ALLOW USE OF LARGE HP-IB CONN ON A2J2 SER 1712A01887 TO 1920A02340.JUMPER WIRE MOD TO CORRECT IMPROPER STORE OPER SER 1920A02871 & BELOW.CORR OF HP-IB TALK OPER WHEN USED WITH 59301A HP-IB EXT						
59310A		OPER & SERV MAN	JUN75	59310-90007	JUL75	59310-90008	8L 01 02 02				
59401A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59401A-1	MAR77 MAR85	59401-90002 59401-90002	JUL85	59401-90052	8L 01 09 03				
			APR85	WN SER 2512 & ABOVE,1914 & BELOW.SYSTEM II CABINETS INCH/METRIC CONV							
59403A		OPER & SERV MAN SERV NOTE SET BELOW 59403A-1 59403A-2 59403A-3 59403A-4 59403A-5 59403A-6A	FEB78	59403-90001	OCT78 APR83	59403-90050	8L 01 09 04			INCLUDES REV A & B	
			APR77 SEP77 FEB79 AUG79 FEB80 JAN83	WO WA WN WN WA WA	SER BELOW 1426A00281.MOD TO IMPR PROTECT OF CCI CIR IN DEDICATED LINE OPERATION SER BELOW 1426A00431.MOD TO TIGHTEN TIMING RESPONSE TO IFC COMMAND SER 1426A01120 & BELOW.REC MOD TO IMPR DATA RELIABILITY ALL SER.SERV HINT TO ISOLATE 12V PWR SUPPLY FAILURE SER 1426A01320 & BELOW.MOD TO PREVENT INADVERTENT IFC GENERATION ALL SER.MOD TO IMPROVE INSTR REL						
59405A		OPER NOTE OPER. NOTE	MAY75 MAY75	59405-90011 59405-90014	JUN75 JUN75	59405-90061* 59405-90064*	8L 01 09 01			USE 59405A FICHE 59405-90091 USE 59405A FICHE 59405-90091	

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11/08/85 MODEL	O	LITERATURE	H/C	H/C PART	FICHE	FICHE PART	M	P	D	P	PAGE 262
*** DESCRIPTION ***											

59401A-1	OPER & SERV MAN	APR85	WN SER 2512 & ABOVE; 1914 & BELOW.	SYSTEM II CABINETS INCH/METRIC CONV
59403A	SERV NOTE SET BELOW	FEB78	59403-90001	OCT78 59403-90050 8L 01 09 04 INCLUDES REV A & B
59403A-1		APR77	WO SER BELOW 1426A00281.	MOD TO IMPR PROTECT OF CCI CIR IN DEDICATED LINE OPERATION
59403A-2		SEP77	WA SER BELOW 1426A00431.	MOD TO TIGHTEN TIMING RESPONSE TO IFC COMMAND
59403A-3		FEB79	WN SER 1426A01120 & BELOW.	REC MOD TO IMPR DATA RELIABILITY
59403A-4		AUG79	WN ALL SER. SERV HINT TO ISOLATE 12V PWR SUPPLY FAILURE	
59403A-5		FEB80	WA SER 1426A01320 & BELOW.	MOD TO PREVENT INADVERTENT IFC GENERATION
59403A-6A		JAN83	WA ALL SER. MOD TO IMPROVE INSTR REL	
59405A	OPER. NOTE	MAY75	59405-90011	JUN75 59405-90061* 8L 01 09 01 USE 59405A FICHE 59405-90091
	OPER. NOTE	MAY75	59405-90014	JUN75 59405-90064* 8L 01 09 01 USE 59405A FICHE 59405-90091

11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 262
*** DESCRIPTION ***											
59405A		OPER. NOTE. PROG & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59405A-1A 59405A-2 59405A-3	MAY75 DEC74 AUG78	59405-90017 59405-90001 59405-90001	JUN75 OCT78	59405-90067* 59405-90091	8L	01	09	01	USE 59405A FICHE 59405-90091
59500A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 59500A-1 59500A-2	NOV75 AUG82	59500-90001 59500-90001	APR83	59500-90002	8L	01	21	02	
59501A		OPER & SERV MAN	JAN77	59501-90001	FEB85	59501-90002	8L	01	21	02	
59501B		OPER & SERV MAN	APR83	59501-90004	OCT83	59501-90005	8L	01	21	01	
59600-10002		SERV NOTE SET BELOW			OCT82						
6S		OPER & SERV MAN	OCT65	00006-91343	JUN79	00006-91393	8L	01	11	02	
6SA		OPER & SERV MAN	OCT65	00006-91343	JUN79	00006-91393	8L	01	11	02	
60B		OPER & SERV MAN	JUL65	00060-91320	NOV71	00060-91370		01	11	01	
60B/D		SERV NOTE SET BELOW 60D-1A 60D-2A 142	FEB75 MAY67 JUL65	MODIFICATION FOR OVEN ASSEMBLY RECOMMENDED REPLACEMENT DIODES CRYSTAL OVEN LOG DIODE SERVICE	MAY78						
60D/60DM		OPER & SERV MAN	JUL65	00060-91320	NOV71	00060-91370		01	11	01	
6002A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 6002A-1 6002A-2 6002A-3 6002A-4	SEP76 FEB82	06002-90001 06002-90001	FEB83	06002-90006	8L	01	21	02	
60063A		OPER & SERV MAN	DEC68	60063-90101	OCT72	5951-6221	8L	01	21	01	
60063B		OPER & SERV MAN	JUN69	60063-90201	JUN83	60063-90202	8L	01	21	01	
60065A		OPER & SERV MAN MAN CHANGE	APR68 FEB73	60065-90001 60065-90001	JUN83	60065-90002	8L	01	21	01	
60066A		OPER & SERV MAN	SEP69	60066-90101	JAN83	60066-90102	8L	01	21	01	
60066B		SERV NOTE SET BELOW 60066B-1/60126B-1	FEB70	WO SER BELOW 00150.	OCT78						MOD TO CORRECT FUSE SIZE
6011A		OPER & SERV MAN SERV NOTE SET BELOW	AUG84	06011-90001	JUN85 JUL85	06011-90002	8L	01	21	02	

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*** DESCRIPTION ***											

60063B	OPER & SERV MAN	JUN69 60063-90201	JUN83 60063-90202	8L 01 21 01
60065A	OPER & SERV MAN MAN CHANGE	APR68 60065-90001 FEB73 60065-90001	JUN83 60065-90002	8L 01 21 01
60066A	OPER & SERV MAN	SEP69 60066-90101	JAN83 60066-90102	8L 01 21 01
60066B	SERV NOTE SET BELOW 60066B-1/60126B-1	FEB70 WO SER BELOW	OCT78 00150.MOD TO CORRECT FUSE SIZE	
6011A	OPER & SERV MAN SERV NOTE SET BELOW	AUG84 06011-90001	JUN85 06011-90002	8L 01 21 02 JUL85

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 263
*** DESCRIPTION ***											
6011A		6011A-1	FEB85	WO SER 2530A00211 & ABOVE.	MOD TO INCR REVERSE VOLTG PROT						
6012A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 6012A-1 6012A-2 6012A-3 6012A-4 6012A-5A 6012A-6	AUG80 AUG82	06012-90001 06012-90001	FEB83	06012-90003	8L	01	21	02	
					JUL85						
			OCT81	WO SER 1946A00145 & BELOW.	CURRENT MONITOR RESISTOR CHANGE TO IMPROVE PERF						
			OCT81	WO SER 2116A00300 & BELOW.	NEW FAN INSTALL HARDWARE						
			OCT81	WO SER 2121A00380 & BELOW.	MOD TO STABILIZE CONT BD IN PCB EDGE CONNECTOR						
				WO SER 2204A00770 & BELOW;	MOD TO PROTECT +11V BIAS SUPPLY						
			APR83	WO ALL SER.	ASSY LEVEL FET REPR PROC						
			FEB85	WO SER 2426A02636 THRU 2426A2891 & 2426A02910.	REC METER REPL						
60122B		OPER & SERV MAN MAN CHANGE	MAY68 DEC74	60122-90201 60122-90201	JUN83	60122-90202	8L	01	21	01	
60123A		OPER & SERV MAN MAN CHANGE	MAY68 SEP71	60123-90101 60123-90101	JUN83	60123-90102	8L	01	21	01	
60123B		OPER & SERV MAN MAN CHANGE	MAY68 SEP71	60123-90101 60123-90101	JUN83	60123-90102	8L	01	21	01	
60125A		OPER & SERV MAN MAN CHANGE	AUG68 OCT73	60125-90201 60125-90201	MAR81	60125-90202	8L	01	21	01	
60125B		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 60125B-1	AUG68 OCT73	60125-90201 60125-90201	MAR81	60125-90202	8L	01	21	01	
					OCT78						
			FEB70	WO SER BELOW	00350.MOD TO IMPR CROWBAR RELIABILITY						
60126B		OPER & SERV MAN SERV NOTE SET BELOW 60066B-1/60126B-1	APR69	60126-90201	JUN83	60126-90202	8L	01	21	01	
					OCT78						
			FEB70	WO SER BELOW	00150.MOD TO CORRECT FUSE SIZE						
60153D		OPER & SERV MAN	JUN69	60153-90402	JUN83	60153-90403	8L	01	21	01	
60155C		OPER & SERV MAN MAN CHANGE	SEP68 OCT73	60155-90301 60155-90301	JUN83	60155-90302	8L	01	21	01	
6023A		OPER & SERV MAN MAN CHANGE	JAN84 AUG84	06023-90001 06023-90001	JUN85	06023-90002	8L	01	21	02	
6024A		OPER & SERV MAN SERV NOTE SET BELOW 6024A-1 6024A-2	JUN80	06024-90001	SEP80 JAN85	06024-90004	8L	01	21	02	
			OCT82	WO SER 2129A01390 & BELOW.	MODIF DRIVE CIR FOR NEW PWR FETS A1Q1,Q2						
			OCT84	WO SER 2332A02990 & BELOW.	AMMETER & VOLTMETER REPL						
60242B		OPER & SERV MAN MAN CHANGE	OCT68 OCT73	60242-90201 60242-90201	JUN83	60242-90202	8L	01	21	01	
60243A		OPER & SERV MAN MAN CHANGE	SEP69 SEP71	60243-90201 60243-90201	JUN83	60243-90202	8L	01	21	01	
60243B		OPER & SERV MAN MAN CHANGE	SEP69 SEP71	60243-90201 60243-90201	JUN83	60243-90202	8L	01	21	01	

MODAL ANALS
D READOUTS

TION ***

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*** DESCRIPTION ***											

DAL ANALS
READOUTS

60242B	OPER & SERV MAN MAN CHANGE	OCT68 60242-90201 OCT73 60242-90201	JUN83 60242-90202 8L 01 21 01
60243A	OPER & SERV MAN MAN CHANGE	SEP69 60243-90201 SEP71 60243-90201	JUN83 60243-90202 8L 01 21 01
60243B	OPER & SERV MAN MAN CHANGE	SEP69 60243-90201 SEP71 60243-90201	JUN83 60243-90202 8L 01 21 01

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11/08/85 MODEL NUMBER	O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	PAGE 264
*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											
60245B		OPER & SERV MAN MAN CHANGE	MAY68 DEC74	60245-90201 60245-90201	JUN83	60245-90202	8L	01	21	01	
60246B		OPER & SERV MAN MAN CHANGE	JUN68 FEB76	60246-90201 60246-90201	JUN83	60246-90202	8L	01	21	01	
6031A		OPER & SERV MAN SERV NOTE SET BELOW 6031A-1 6031A-2	JUL84	06031-90001	JUN85 JUL85	06031-90002	8L	01	21	04	
			AUG84	WO SER 2426A00142 & BELOW.REC A8U8 ROM REPL TO IMPR PERF							
			FEB85	WO SER 2508A00243 & ABOVE.MOD TO INCR REVERSE VOLTG PROC							
6032A		OPER MAN MAN CHANGE SERV NOTE SET BELOW 6032A-1	MAY84 AUG84	06032-90001 06032-90001	AUG85	06032-90002	8L	01	21	04	
			AUG84	WO SER 2415A00195 & BELOW.REC A8U8 ROM REPL TO IMPR PERF							
6033A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 6033A-1	DEC83 MAR85	06033-90001 06033-90001	JUL85	06033-90002	8L	01	21	04	
			AUG84	WO SER 2424A00311 & BELOW.REC A8U8 ROM REPL TO IMPR PERF							
6034A		USERS GUIDE OPER & SERV MAN SERV NOTE SET BELOW 6034A-1 6034A-3 6034A-4 6034A-5-S 6034A-6 6034A-7 6034A-8 CONT'T	JAN00 FEB83	06034-90003 06034-90006	FEB83 OCT83 OCT85	06034-90005 06034-90007	8L	01	21	01 03	
			JAN82	WN SER 2115A00220 & BELOW.MOD TO DELETE MICA INCULCATORATOR							
			JAN82	WO SER 2134A00220 & BELOW.MOD TO ELIM PWR-ON HANGUP							
			FEB83	WO SER 2141A00271 & BELOW.MOD TO INCR REGULATION ADJ (R78)							
			JUN82	WA SAFETY.SER 2141A00592 & BELOW.REV AC & NEUTRAL (ACC) AT PWR MODULE							
			APR83	WO SER 2222A00750 & BELOW.REPL OF THREE 16K EPROMS BY A 64 K ROM							
			OCT82	WO SER 2222A00830 & BELOW.MODIF DRIVE CIR FOR NEW PWR FETS A1Q1,Q2							
			MAY85	WO 6034A:SER 2420A00104 TO 2420A028;6034L:SER 2423A00946 TO 2423A01304.FRT PAN REPL PARTS							
6038A		OPER & SERV MAN MAN CHANGE	NOV84 MAR85	06038-90001 06038-90001	AUG85	06038-90002	8L	01	21	04	
6038L		OPER & SERV MAN MAN CHANGE	NOV84 MAR85	06038-90001 06038-90001	AUG85	06038-90002	8L	01	21	04	
606A		OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 606A-1 606A-2B 606A-3 606A-4 606A-5A 606A-6 606A-7 606A-8 606A-9 606A/B-10 606A-11 606A/B-12	MAY71 SEP74	00606-90013 00606-90013	APR85	00606-90014	8L	01	04	02	
					JAN81						
				SER BELOW 229.HEADPHONES CIR MOD							
			AUG69	WO SER BELOW 038-01732.REPL OF PERCENT MODULATION OR RMS VOLTS METER							
				DRIVE CABLE ASSY REPLACEMENT							
			APR64	SER BELOW 038-02230.TANK COILS REPL							
				SER BELOW 244-04031.TUNING CAP MOD							
			APR67	SER BELOW 248-04131.METER ACCUR MOD							
			MAR67	WN SER BELOW 417-06031.IMPR SWR + ELIM OF LAMP SELECTION							
			JUL64	ILLUSTR PARTS IDENTIFICATION							
			SEP67	ALL SER.V3 + V4 REC REPLACEMENTS							
			AUG70	606 VIDEO TAPE SERVICE TIPS							
			AUG75	WA SAFETY.SER 1352A13896 THRU 1433A13910.ELIMINATION OF POTENTIAL SHOCK HAZARD							
			SEP80	WO ALL SER.REC REPL FOR MOD & RF OUTPUT METERS							

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***											

606A-4	APR64	DRIVE CABLE ASSY REPLACEMENT
606A-5A	-	SER BELOW 038-02230.TANK COILS REPL
606A-6	APR67	SER BELOW 244-04031.TUNING CAP MOD
606A-7	MAR67	WN SER BELOW 248-04131.METER ACCUR MOD
606A-8	JUL64	ILLUSTR PARTS IDENTIFICATION
606A-9	SEP67	ALL SER.V3 + V4 REC REPLACEMENTS
606A/B-10	AUG70	606 VIDEO TAPE SERVICE TIPS
606A-11	AUG75	WA SAFETY.SER 1352A13896 THRU 1433A13910.ELIMINATION OF POTENTIAL SHOCK HAZARD
606A/B-12	SEP80	WO ALL SER.REC REPL FOR MOD & RF OUTPUT METERS

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606B

OPER & SERV MAN

SEP72

00606-90017

NOV80 00606-90018

3L 01 04 02

MAN CHANGE

SEP80 00606-90017

MAN CHANGE UK

JAN75 00606-90017

SERV NOTE SET BELOW

JAN81

606B-1

- NOT AVAILABLE

606B-2

- NOT AVAILABLE

606B-3

- NOT AVAILABLE

606B-4

- NOT AVAILABLE

606B-5

- NOT AVAILABLE

606B-6

- NOT AVAILABLE

606B-7

- NOT AVAILABLE

606B-8

- NOT AVAILABLE

606B-9

- NOT AVAILABLE

606A/B-10

AUG70 606 VIDEO TAPE SERVICE TIPS

606B-11

AUG75 WA SAFETY.SER 1401A03959 THRU 1518A04461.SHOCK HAZARD ELIMINATION

606-U-11A-S

JUN76 WA SAFETY.SER 1446U01006 THRU 1446U01025.SHOCK HAZARD ELIMINATION

606A/B-12

SEP80 WO SER 1862A & BELOW.REC REPL FOR MOD & RF OUTPUT METERS

608A

OPER & SERV MAN

JAN00

608A/B-501A

JUL75 00608-90028

01 04 02

SERV NOTE SET BELOW

JAN80

608A-1

- NOT AVAILABLE

608A-2A

- ATENU ASSY REPL PROC FOR 608A + 608B

608A-3A

JUL64

ALL SER.OSCIL + AMPLF TURRETS FOR 608A + 608B REPLACEMENT PROCEDURE

608A-4

- NOT AVAILABLE

608A-5

- NOT AVAILABLE

608A-6

- NOT AVAILABLE

608A-7B

JUN69

WO REPAIR PROCEDURE OF OUTPUT ATENUATORS

608A-8

- NOT AVAILABLE

608A-9

- NOT AVAILABLE

608A-10

- NOT AVAILABLE

608A-11

AUG75 WA SAFETY.SER 1352A13896 THRU 1433A13910.SHOCK HAZARD ELIMINATION

608B

OPER & SERV MAN

JAN00

608A/B-501A

JUL75 00608-90028

01 04 02

608C

OPER & SERV MAN

JUN73

00608-90036

JAN85 00608-90037

8L 01 04 02

SERV NOTE SET BELOW

JAN80

608C-2A

- SER BELOW 247-04756.MOD FOR REGULATED DC FILAMENT OPERATION

608C-3/608D-5

MAY64

ILLUSTR PRTS IDENTIFICATION

608C/D/E/F-1A

FEB67

SER BETWEEN 247-04756 + 548-06809.MOD TO DC FIL SUPPLY TO IMPROVE CIRCUIT PROTECTION

608C/D/E/F-2B

AUG69

WO SER BELOW 822-07365.MODULN OSCIL CIR MOD

608C/D/E/F-8

APR69

WO SER BELOW 832-07540.R7 + R8 REC REPL

608C/D/E/F-9

APR69

WO SER BELOW 832-07415.F1 FUSE REC REPL

608D-3A

JUL69

SER BELOW 1287.PWR MON ASSY REPL

608D-4B

OCT78

WO SER BELOW 2354.REC SILICON RECT CONV

608D

OPER & SERV MAN

DEC71

00608-90031

MAR72 00608-90032

01 04 02

SERV NOTE SET BELOW

JAN80

608C-2A

- SER BELOW 247-08115.REG DC FILAMT MOD

608C-3/608D-5

MAY64

ILLUSTR PRTS IDENTIFICATION

608C/D/E/F-1A

FEB67

SER BETWEEN 247-08115 + 548-11960.DC FILAMENT SUPPLY MODIFICATION

608C/D/E/F-2B

AUG69

WO SER BELOW 828-12506.MOD TO MODULATION OSCILLATOR CIRCUIT V2

608C/D/E/F-8

APR69

WO SER BELOW 828-12556.R7 + R8 REC REPL

608C/D/E/F-9

APR69

WO SER BELOW 828-12506.F1 FUSE REC REPL

608D-1B

- FREQ DRIFT REDUCTION

608D-2A

- SER 992 + DOWN.5 MHZ CRYST OSCIL DISABLING PROCEDURE

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608D

608D-3A

JUL69

WO SER BELOW 2383.PWR MONITOR ASSY REPL

608D-4B

OCT78

WO SER BELOW 1287.PWR MON ASSY REPL

SERV NOTE SET BELOW
 608C-2A - SER BELOW 247-08115.REG DC FILAMT MOD
 608C-3/608D-5 MAY64 ILLUSTR PRTS IDENTIFICATION
 608C/D/E/F-1A FEB67 SER BETWEEN 247-08115 + 548-11960.DC FILAMENT SUPPLY MODIFICATION
 608C/D/E/F-2B AUG69 WO SER BELOW 828-12506.MOD TO MODULATION OSCILLATOR CIRCUIT V2
 608C/D/E/F-8 APR69 WO SER BELOW 828-12556.R7 + R8 REC REPL
 608C/D/E/F-9 APR69 WO SER BELOW 828-12506.F1 FUSE REC REPL
 608D-1B - FREQ DRIFT REDUCTION
 608D-2A - SER 992 + DOWN.5 MHZ CRYST OSCIL DISABLING PROCEDURE

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

608D 608D-3A JUL69 WO SER BELOW 2383.PWR MONITOR ASSY REPL
 608D-4B OCT78 WO SER BELOW 4916.REC SILICON RECT CONV
 608D-6B AUG69 WO DIODE CR1 REPLACEMENT

608E OPER & SERV MAN FEB70 00608-90024 NOV80 00608-90025* 8L 01 04 02 USE 608E FICHE 00608-90047
 OPER & SERV MAN APR81 00608-90046 MAY82 00608-90047 8L 01 04 02
 MAN CHANGE APR82 00608-90046
 SERV NOTE SET BELOW JAN80
 608E/F-1 - SER BELOW 710-00571.TRANSTR Q7 REPL
 608E/F-10 APR69 WA SER BELOW 833-02171.CAP C216 REPL
 608E/F-11 APR69 WO SER BELOW 832-02121.DIODE CR1 REPL
 608E/F-0-11 FEB70 WO SER BELOW U881-00521.DIODE CR-1 REPL
 608E/F-12 SEP69 WO SER BELOW 833-02671.RF LEAKAGE MOD
 608E/F-U-12 FEB70 WO SER BELOW U831-00501.RF LEAKAGE MOD
 608E/F-13 APR70 WN SER BELOW 983-03671.MOD TO REDUCE AM NOISE SIDEBANDS
 608E/F-U-13 AUG70 WN SER BELOW U831-00698.AM NOISE SIDEBND RED MOD
 608E/F-14 JUL70 WN ALL SER.PWR LEVELING PROCEDURE
 608E/F-15 JUL70 WO ALL SER.TRANSTR Q11 REPLACEMENT
 608E/F-16 AUG70 WN ALL SER.608 VIDEO TAPE SERVICE TIPS
 608E/F-17 JUL70 WO SER 833-02670 + DOWN.MOD TO CONNECT PINS + CONNECTORS TO ALC BOARD
 608E/F-18 JAN75 WO 1201A SER 637-00321.AM + FM NOISE MOD
 608E/F-U-18 FEB75 WO SER 1451U01310 + DOWN.AM + FM NOISE MODIFICATION
 608E/F-19 NOV75 WO ALL SER.DIODE CR22 REPLACEMENT
 608E/F-20 SEP79 WO 608E:SER 1826A & BELOW;608F ALL SER. PREFERRED PART REPL FOR SERIES REG TRANS Q1
 608C/D/E/F-1A FEB67 SER BELOW 610-00225.MOD TO DC FILAMENT SUPPLY TO IMPROVE PROTECTION
 608C/D/E/F-2B AUG69 WO SER BELOW 826-01211.MOD TO MODULATION OSCILLATOR CIRCUIT V2
 608C/D/E/F-8 APR69 WO SER BELOW 833-01821.R7 + R8 REPL
 608C/D/E/F-9 APR69 WO SER BELOW 826-01321.REPL FOR FUSE F1

608F OPER & SERV MAN FEB70 00608-90024 NOV80 00608-90025* 8L 01 04 02 USE 608F FICHE 00608-90047
 OPER & SERV MAN APR81 00608-90046 MAY82 00608-90047 8L 01 04 02
 MAN CHANGE APR82 00608-90046
 SERV NOTE SET BELOW JAN80
 608E/F-1 - WO SER 710-00500 & DOWN.TRANSTR Q7 REPL
 608E/F-10 APR69 WA SER 832-01301 & DOWN.CAP C216 REPL
 608E/F-11 APR69 WO SER 832-01251 & DOWN.DIODE CR1 REPL
 608E/F-U-11 FEB70 WO SER U831-00306.DIODE CR1 REPL
 608E/F-12 SEP69 WO SER 832-01501 & DOWN.RF LEAKAGE MOD
 608E/F-U-12 FEB70 WO SER U331-00292 & DOWN.RF LEAKAGE MOD
 608E/F-13 APR70 WN SER 977-01776 & DOWN.AM NOISE MOD
 608E/F-U-13 AUG70 WN SER U831-00375 & DOWN.AM NOISE MOD
 608E/F-14 JUL70 WN ALL SER.PWR LEVELING PROCEDURE
 608E/F-15 JUL70 WO ALL SER.TRANSTR Q11 REPLACEMENT
 608E/F-16 AUG70 WN ALL SER.608 VIDEO TAPE SERVICE TIPS
 608E/F-17 JUL70 WO SER 832-01500 & DOWN.ALC BOARD MOD
 608E/F-18 JAN75 WO SER 610 THRU 1221A.AM & FM MOD
 608E/F-U-18 FEB75 WO SER 1203U00475 & DOWN.AM & FM MOD
 608E/F-19 NOV75 WO ALL SER.DIODE CR22 REPLACEMENT
 608E/F-20 SEP79 WO 608E:SER 1826A & BELOW;608F ALL SER. PREFERRED PART REPL FOR SERIES REG TRANS Q1
 608C/D/E/F-1A FEB67 608E/F SER 610-00225 DOWN.FILAMENT SUPPLY MODIFICATION
 608C/D/E/F-2B AUG69 WO SER 827-00951 & DOWN.CIR V2 MOD
 608C/D/E/F-8 APR69 WO SER 832-01151 & DOWN.R7 & R8 REC REPL
 608C/D/E/F-9 APR69 WO SER 832-01001 & DOWN.F1 FUSE REC REPL

610A OPER & SERV MAN AUG62 610A-900 MAR75 5080-5707 01 04 01

560

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 *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

610B OPER & SERV MAN AUG62 610A-900 MAR75 5080-5707 01 04 01

608E/F-20
 608C/D/E/F-1A
 608C/D/E/F-2B
 608C/D/E/F-8
 608C/D/E/F-9

NOV79 WO ALL SER. DIODE CR22 REPLACEMENT
 SEP79 WO 608E:SER 1826A & BELOW;608F ALL SER. PREFERRED PART REPL FOR SERIES REG TRANS Q1
 FEB67 608E/F SER 610-00225 DOWN.FILAMENT SUPPLY MODIFICATION
 AUG69 WO SER 827-00951 & DOWN.CIR V2 MOD
 APR69 WO SER 832-01151 & DOWN.R7 & R8 REC REPL
 APR69 WO SER 832-01001 & DOWN.F1 FUSE REC REPL

610A

OPER & SERV MAN

AUG62 610A-900

MAR75 5080-5707

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610B

OPER & SERV MAN

AUG62 610A-900

MAR75 5080-5707

01 04 01

61005C

OPER & SERV MAN
MAN CHANGE

APR76 5950-1774
APR78 5950-1774

DEC78 5950-1830

8L 01 21 02

61005E

OPER & SERV MAN
MAN CHANGE

JAN82 5950-1865
NOV82 5950-1865

APR83 5950-1866

8L 01 21 01

6101A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1

NOV66 06101-90001
NOV76 06101-90001

SEP82 06101-90002

8L 01 21 01

APR79
6101A SER BELOW 600.MOD TO IMPR REL

6102A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1

NOV66 06102-90001
NOV76 06102-90001

JUN83 06102-90002

8L 01 21 01

APR79
MAR65 6102A SER BELOW 230.MOD TO IMPR REL

6104A

OPER & SERV MAN
MAN CHANGE

JUN72 5950-5976
NOV81 5950-5976

APR83 5950-1945

8L 01 21 02

6105A

OPER & SERV MAN
MAN CHANGE

JUN72 5950-5976
NOV81 5950-5976

APR83 5950-1945

8L 01 21 02

6106A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1

NOV66 06106-90001
NOV71 06106-90001

APR84 06106-90002

8L 01 21 01

APR79
MAR65 6106A SER BELOW 695.MOD TO IMPR REL

6110A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6110A-1/6516-1
6110A-2

MAY67 06110-90001
FEB81 06110-90001

SEP84 06110-90002

8L 01 21 01

APR79
MAY69 WO 6110A SER BELOW 00512;6516A SER BELOW 810.MOD TO IMPR 50 HZ OPERATION
OCT78 WO SER 1815A01507 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

6111A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1
6111A-2

NOV66 06111-90001
OCT81 06111-90001

FEB83 06111-90002

8L 01 21 01

APR79
MAR65 6111A SER BELOW 656.MOD TO IMPR REL

OCT78 WO SER 1606A02096 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

6112A

OPER & SERV MAN

NOV66 06112-90001

JUL84 06112-90002

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6112A

MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1

JUL81 06112-90001

JUL84 06112-90002

8L 01 21 02

APR79
MAR65 6112A SER BELOW 849.MOD TO IMPR REL

6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1
6111A-2

OCT78 WO SER 1606A02096 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

6112A

OPER & SERV MAN

NOV66 06112-90001

JUL84 06112-90002 8L 01 21 02

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6112A

MAN CHANGE
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1
6112A-2

JUL81 06112-90001

JUL84 06112-90002 8L 01 21 02
APR79

MAR65 6112A SER BELOW 849.MOD TO IMPR REL

OCT78 WO SER 1634A01849 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

6113A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6113A-1
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1
6113A-3

NOV66 06113-90001

FEB83 06113-90002 8L 01 21 01

OCT81 06113-90001

APR79

MAY69 WO SER BELOW 00245.MOD TO STOP HI FREQ OSCILLATION

MAR65 6113A BELOW 325.MOD TO IMPR REL

OCT78 WO SER 1617A01250 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

6114A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6114A-1

JUN72 5950-5976

APR83 5950-1945 8L 01 21 02

NOV81 5950-5976

OCT81

AUG81 WO SER 1928A02290 & BELOW.PREF REPL FOR THE THUMBWHEEL ASSY

6115A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
6115A-1

JUN72 5950-5976

APR83 5950-1945 8L 01 21 02

NOV81 5950-5976

OCT81

AUG81 WO SER 1937A01000 & BELOW.PREF REPL FOR THE THUMBWHEEL ASSY

6116A

OPER & SERV MAN
SERV NOTE SET BELOW
6101A-1/6102A-1/
6106A-1/6111A-1/
6112A-1/6113A-2/
6116A-1
6116A-2

NOV66 06116-90001

FEB83 06116-90002 8L 01 21 01

MAR65 6116A SER BELOW 725.MOD TO IMPR REL

APR79

OCT78 WO SER 1741A01825 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

612A

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW
612A-1
612A-2
612A-3
612A-4
612A-5B
612A-6
612A-7B
612A-8A
612A-9
612A-10
612A-11
612A-12A

AUG71 00612-90003

JAN82 00612-90004 8L 01 04 02

NOV81 00612-90003

APR81

APR54 CHECKING MODULN METER CALIBRATION

SER 328 & DOWN.RELAY INSTAL PROCEDURE

SER 328 THRU 835.HEATER SUPPLY MOD

DEC69 WO OUTPUT ATTEN REPL PROC

MAR65 SER 329 THRU 299-01815.RECT REPL

SEP69 WO SER 446-04467 & DOWN.MOD TO IMPROVE MODULATOR LOW FREQUENCY RESPONSE

OCT65 SER 533-04417 & DOWN.TURNON SURGE MOD

APR69 WO SER 601-05133 & DOWN.MOD TO PROTECT R95 + R97 INSIDE RF TUNING ASSEMBLY

DEC69 WO SER 712-05783 & DOWN.CR21 PREFER REPL

APR69 WO SER 352-03615 & DOWN.DC FILAMENT MOD

SEP79 WO SER 1826A & BELOW.PREFERRED PART REPL FOR SERIES REG TRANS Q1

JAN81 WN SER 1914A & BELOW.MOD FOR IMPROVED EXT MOD FREQ ACCURACY

6128C

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOW

JAN74 06128-90002

JAN85 06128-90004 6L 01 21 03

JAN82 06128-90002

APR81

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6128C

6128C-1
6128C-2/6129C-3/
6130C-3/6131C-2

OCT78 WO SER 1621A00150 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.

OCT80 WO SER 1925A00257 & BELOW.MOD TO IMPROVE STABILITY

6129B

SERV NOTE SET BELOW
6129B-1

JUN72 WO ALL SER.IMPR A2 BUFFER RELIABILITY

APR81

JUN72 WO ALL SER.IMPR A2 BUFFER RELIABILITY

6128C

OPER & SERV MAN
MAN CHANGE
SERV NOTE SET BELOWJAN74 06128-90002
JAN82 06128-90002

JAN85 06128-90004 8L 01 21 03

APR81

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

6128C

6128C-1
6128C-2/6129C-3/
6130C-3/6131C-2OCT78 WO SER 1621A00150 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.
OCT80 WO SER 1925A00257 & BELOW.MOD TO IMPROVE STABILITY

6129B

SERV NOTE SET BELOW
6129B-1
6129B-2/6129C-1/
6131B-6/6131C-1/
P5080-1907APR81
JUN72 WO ALL SER.IMPR A2 BUFFER RELIABILITY
JAN78 WO ALL SER.MOD KIT FOR OUTPUT TRANS REPL

6129B BCD

OPER & SERV MAN
MAN CHANGESEP71 06129-90002 OCT74 06129-90004 01 21 03
JUN72 06129-90002

6129B BIN

OPER & SERV MAN
MAN CHANGEAUG71 06129-90001 JUN75 06129-90003 8L 01 21 03
JUN72 06129-90001

6129C

SERV NOTE SET BELOW
6129B-2/6129C-1/
6131B-6/6131C-1/
P5080-1907APR83
JAN78 WO SER BELOW 1637A00303.MOD KIT FOR OUTPUT TRANS REPL6129C-2
6128C-2/6129C-3/
6130C-3/6131C-2OCT78 WO SER 1739A00366 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763.
OCT80 WO SER 1834A00474 & BELOW.MOD TO IMPROVE STABILITY6129C-4
6129C-5JUN81 WO SER 1943A00658 & BELOW.MOD TO CORRECT OUTPUT AMP (A7) OSC
NOV82 WN SER 2226A00760 & BELOW.ALL J20,J99,P05,061,062,063&064 OPT.MOD TO SIMPLIFY CALIB

6129C BCD

OPER & SERV MAN

NOV73 06129-90006 FEB85 06129-90008 8L 01 21 03

6129C BIN

OPER & SERV MAN

OCT73 06129-90005 FEB85 06129-90007 8L 01 21 03

6130A

PRELIM OP & SRV MAN
MAN CHANGEMAY68 06130-90001 OCT72 5951-5247 8L 01 21 02 BCD LOGIC
AUG68 06130-90001SERV NOTE SET BELOW
6130A-1/6130B-1/
6933A-1APR81
AUG69 WO MOD TO CORREC ERRATIC OPER AT LO LINE VOLTAGES6130A-2/6130B-4/
6131B-3/6933A-2/
6933A-4

FEB71 WN MOD TO PROV "POSITIVE ZERO" ADJ

6130A-3

JUN72 WO ALL SER.IMPR A2 BUFFER RELIABILITY

6130A-4/6130B-6/
6131B-5

OCT73 WO MOD TO ELIM NOISE ON DV3 PROGRAM LINES.SUPER 6130-1/6131-1

6130B

OPER & SERV MAN
MAN CHANGEFEB70 06130-90003 AUG81 5950-1888 8L 01 21 03 BINARY LOGIC
JAN73 06130-90003SERV NOTE SET BELOW
6130A-1/6130B-1/
6933A-1APR81
AUG69 WO MOD TO CORREC EKRATIC OPER AT LOW LINE VOLTAGES6130B-2/6131B-1/
6933B-2JUL70 WN 6130B SER BELOW 480;6131B SER BELOW 125;6933B SER BELOW 160;MOD TO IMPR TEMPERATURE
COEFFICIENT & PWR SUPY RELIABILITY6130B-3/6131B-2/
6933B-3

OCT70 WN 6130B SER BELOW 500;6131B SER BELOW 170;6933B SER BELOW 180.MOD OF GATE PULSE GEN

6130A-2/6130B-4/
6131B-3/6933A-2/
6933B-4

FEB71 WN MOD TO PROVIDE EASIER "POSITIVE ZERO" ADJUSTMENT

6130B-5

JUN72 WO ALL SER.IMPR A2 BUFFER RELIABILITY

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*** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION *** DESCRIPTION ***

6130B

6130B-5/6130C-1
6130A-4/6130B-6/
6131B-5JAN78 WO ALL SER.MOD TO REDUCE OUTPUT IN CURRENT LATCH
OCT73 WO MOD TO ELIM NOISE ON DV3 PROGRAM LINES.SUPER 6130-1/6131-1

6130B BCD

OPER & SERV MAN
MAN CHANGEDEC69 06130-90002 APR74 06130-90008 8L 01 21 03
JAN73 06130-90002

6130C

OPER & SERV MAN

DEC73 06130-90005 FEB87 06130-90007 8L 01 21 03

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MODEL
NUMBER

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O C	LITERATURE TYPE	H/C DATE	H/C PART NUMBER	FICHE DATE	FICHE PART NUMBER	M L	P T	D V	P G	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***	*** DESCRIPTION ***
6130B	6130B-5/6130C-1 6130A-4/6130B-6/ 6131B-5	JAN78 OCT73	WO ALL SER.MOD TO REDUCE OUTPUT IN CURRENT LATCH WO MOD TO ELIM NOISE ON DVS PROGRAM LINES.SUPER 6130-1/6131-1											
6130B BCD	OPER & SERV MAN MAN CHANGE	DEC69 JAN73	06130-90002 06130-90002	APR74	06130-90008	8L	01	21	03					
6130C	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 6130B-5/6130C-1 6130C-2 6128C-2/6129C-3/ 6130C-3/6131C-2 6130C-4 6130C-5 6130C-6	DEC73 OCT82	06130-90005 06130-90005	FEB83	06130-90007	8L	01	21	02					
			JAN78 WO SER BELOW 1713A00795.MOD TO REDUCE OUTPUT IN CURRENT LATCH OCT78 WO SER 1821A01045 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763. OCT80 WO SER 1852A01370 & BELOW.MOD TO IMPROVE STABILITY	APR83										
		JUL81 SEP82 NOV82	WO SER 1949A01670 & BELOW.MOD TO CORRECT OUTPUT AMP (A7) OSC WN SER 2229A01916 & BELOW.MOD TO PREV OSCIL UNDER VARYING A.C.INPUT CONDITIONS WN SER 2231A01950 & BELOW.ALL J20,J99,P05,061,062,063&064 OPT.MOD TO SIMPLIFY CALIB											
6130C BCD	INTER NOTE	FEB78	5950-1920	APR83	5950-1922	8L	01	21	01					
6130C BIN	OPER & SERV MAN	OCT73	06130-90004	FEB85	06130-90006	8L	01	21	03					
6131B	SERV NOTE SET BELOW 6130B-2/6131B-1/ 6933B-2 6130B-3/6131B-2/ 6933B-3 6130A-2/6130B-4/ 6131B-3/6933A-2/ 6933B-4 6131B-4 6130A-4/6130B-6/ 6131B-5 6129B-2/6129C-1/ 6131B-2/6131C-1/ P5080-1907			APR81										
		JUN70	WN SER BELOW 125.MOD TO IMPR TEMP COEFFICIENT & PWR SUPPLY RELIABILITY											
		OCT70	WN SER BELOW 170.MOD OF GATE PULSE GEN FOR ONLY ONE INITIAL STATE											
		FEB71	WN MOD TO PROV EASY "POSITIVE ZERO" ADJ											
		JUN72 OCT73	WO ALL SER.IMPR BUFFER RELIABILITY WO MOD TO ELIM NOISE ON DVS PROGRAM LINES.SUPER 6130-1/6131-1											
		JAN78	WO ALL SER.MOD KIT FOR OUTPUT TRANS REPL											
6131B BCD	OPER & SERV MAN MAN CHANGE	JUN70 FEB72	06131-90001 06131-90001	APR72	06131-90003		01	21	03					
6131B BIN	OPER & SERV MAN MAN CHANGE	MAY70 FEB72	06131-90002 06131-90002	OCT74	06131-90008		01	21	03					
6131C	OPER & SERV MAN MAN CHANGE SERV NOTE SET BELOW 6129B-2/6129C-1/ 6131B-6/6131C-1/ P5080-1907 6131C-2 6131C-3 6131C-4 6131C-5	JAN74 OCT82	06131-90005 06131-90005	FEB83	06131-90007	8L	01	21	02					
			JAN78 WO SER BELOW 1716A00535.MOD KIT FOR OUTPUT TRANS REPL	APR83										
		OCT78 DEC80 JUL81 NOV82	WO SER 1825A00680 & BELOW.REC MOD TO REPLACE ZENER DIODE 1902-0763. WO SER 1934A00920 & BELOW.MOD TO AVOID OSC IN BIAS SUPPLIES WO SER 2114A01160 & BELOW.MOD TO CORRECT OUTPUT AMP (A7) OSC WN SER 2225A01320 & BELOW.ALL J20,J99,P05,061,062,063&064 OPT.MOD TO SIMPLIFY CALIB											
6131C BCD	INTER NOTE	JAN78	5950-1919	APR83	5950-1921	8L	01	21	01					