

PERIPHERAL EQUIPMENT DIVISION

TITLE +10 VOLT SUPPLY OSCILLATIONS				PIB NO. DK3033	
PRODUCT LINE:		EQUIPMENT CHANGED Servo PCBA 102811		MODEL SERIES AFFECTED D3000	
TAPE DISK FORMATTER				EFFECTIVE DATE 3/28/75	

CLASS OF BULLETIN:		ORDER PART KIT NO.:	EFFECTIVITY
<input type="checkbox"/> IMPROVEMENT <input checked="" type="checkbox"/> RETROFIT ON FAILURE <input type="checkbox"/> RETROFIT RECOMMENDED <input type="checkbox"/> SERVICE INFORMATION ONLY		N/A	All D3000 Disk Drives

I. PURPOSE: Should a D3000 +10 volt Power Supply fail and Q26 or Q28 be changed, the +10 volt Supply should be observed for oscillation. Any oscillation 50 mv or greater should be considered excessive and the following changes to the Servo Board (102811) be implemented.

NOTE: This change is to be incorporated on an "AS FAIL BASIS" ONLY.

- II. SYMPTOMS:
- +10 Volt Supply Oscillates
 - -5 Volt Supply Irratic
 - Intermittent R/W Errors
 - Intermittent Emergency Unloads

III. PARTS REQUIRED:

A. PERTEC Parts

<u>Part No.</u>	<u>Description</u>
135-4742	.47 ufd, 20%, 50 volt capacitor

B. Approved Vendors Other Than PERTEC

<u>Vendor/Number</u>	<u>Description</u>
Erie "Red Cap"	8131-050651-474 M
Aerovox	3420-050E-474 M

IV. SPECIAL TOOLS REQUIRED: None

V. REWORK INSTRUCTIONS: Servo PCBA (102811)

1.1 Remove .001 ufd capacitor designated as C69. (See Figure 1)

Additional Information Be Required — Contact

PERTEC

PERIPHERAL EQUIPMENT DIVISION
 9600 Irondale Avenue, Chatsworth, California 91311
 Phone (213) 882-0030 / TWX (910) 494-2093
 ATTENTION: PRODUCT SUPPORT MANAGER
 PERTEC 20 2012C(1)

Distribution Code - 6318

TITLE +10 VOLT SUPPLY OSCILLATIONS

FIR NO.
DK-3033

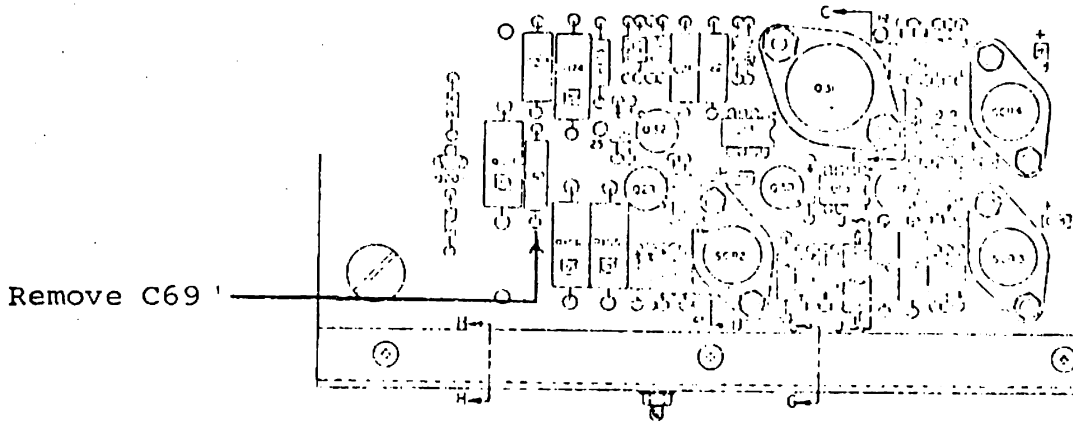


FIGURE 1

2.0 Add new C69 as shown in Figure 2.

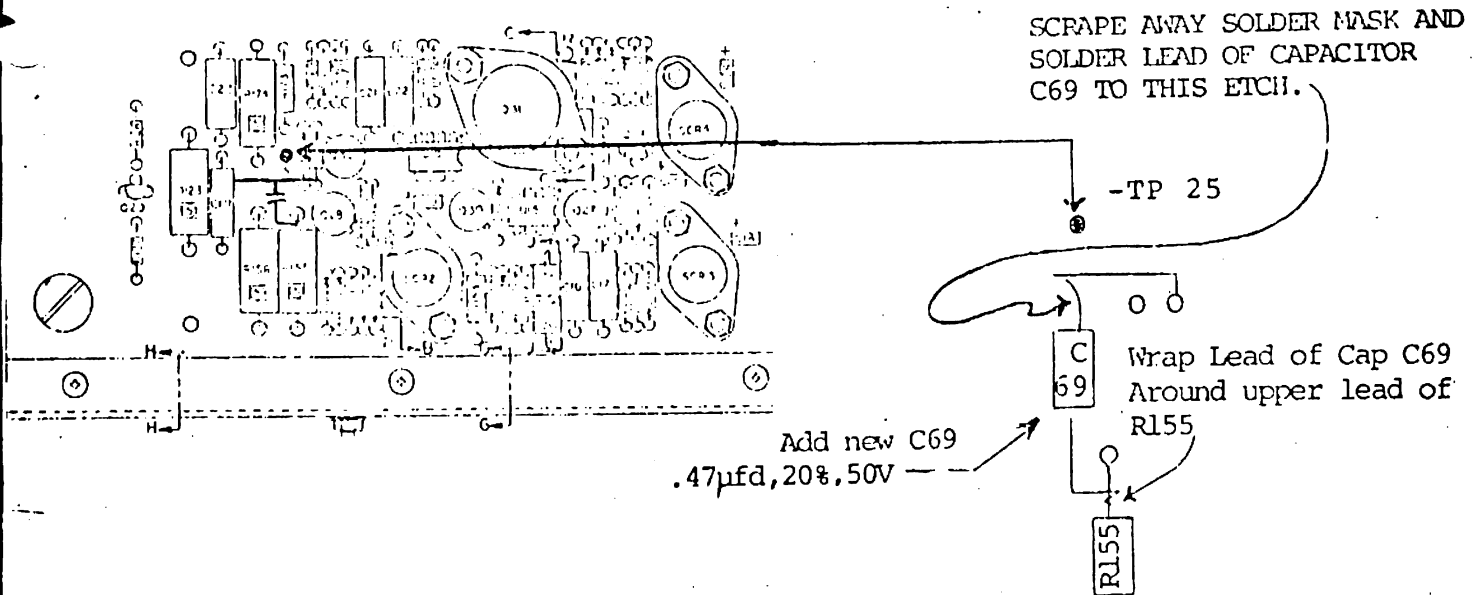


FIGURE 2

TITLE +10 VOLT SUPPLY OSCILLATIONS

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VI. AFTER INSTALLATION CHECK FOR THE FOLLOWING:

- Solder Splashes
- Cold Solder Joints
- Apply power and check TP21 on Servo Board for any oscillation in excess of 50 mv.
- Check adjustments on + and - 5 volt supplies. Adjust if necessary (Reference D3000 Manual 102780 Section 6.6.1).

VII. DRAWING CHANGES ARE TO BE MADE AS FOLLOWS:

A. DWG NO. 102810, Sheet 3 of 3

1.0 From Table 1 - Zone 15:

Delete From: 131-1020, C69

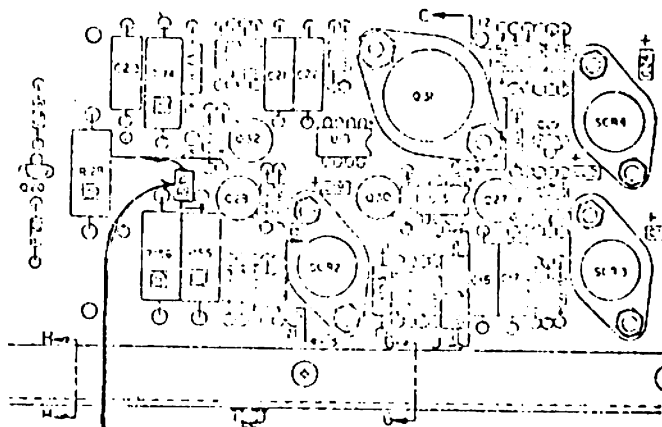
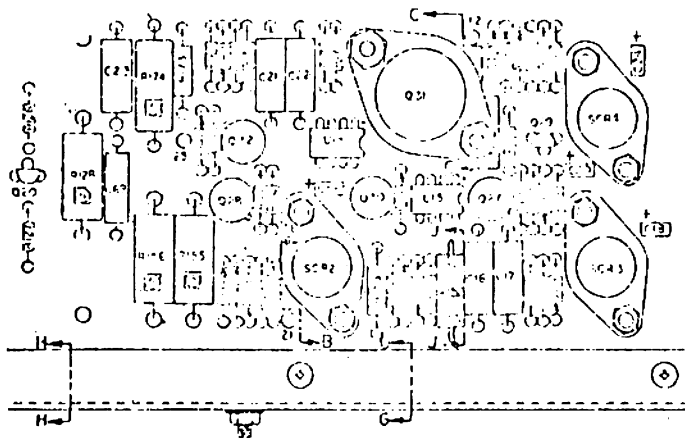
Add To: 135-4742, C69 TO READ AS FOLLOWS:
C14, 26, 53, 60, 63 thru 70.

B. DWG NO. 102822, Sheet 1 of 1

2.0 Zone D-7 - Change as shown in Figure 3

From:

To:



+PIB DK3033

FIGURE 3

NOTE: NO REVISION CHANGE IN PRINT NECESSARY.
MARK PRINT 102811 AS SHOWN IN FIGURE 3.

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C. DWG NO. 102810, Sheet 2 of 3

1.0 Zone F-15 - Change as shown in Figure 4

From:

To:

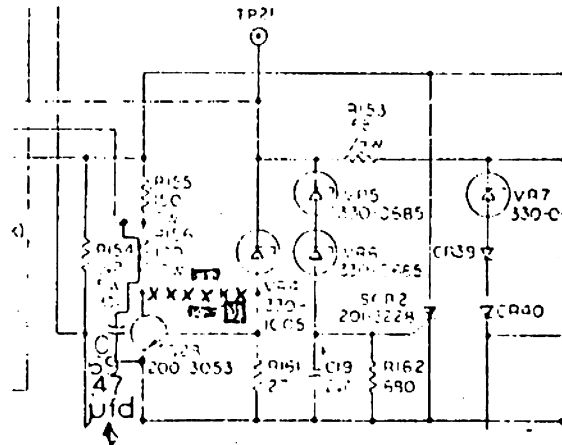
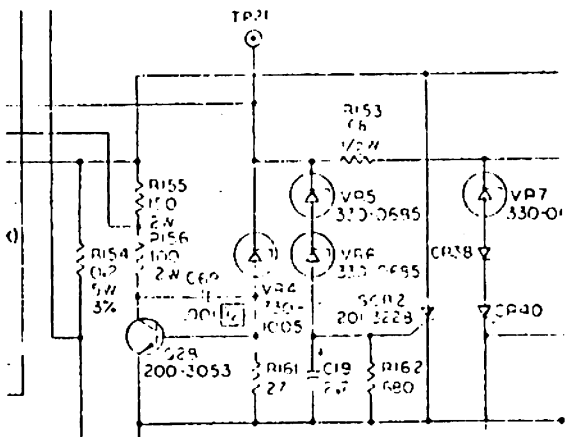


FIGURE 4

+PIB DK3033

NOTE: No Revision Change in Print Necessary.
Print 102810, Sheet 2 of 3, as Shown
In Figure 4.

VIII. TIME REQUIRED: Approximately (1) One hour

IX. Use Present Revision Level Stamped on Servo PCBA (LM 102811-XX-X)
Add to Present Revision Level PIB DK-3033
(i.e., LM102811-XX-X-PIB DK-3033).