

<b>TITLE</b>			LOGIC TO CHASSIS GROUND FEED THROUGH		PIB NO. DK-3003
PRODUCT LINE:	TAPE DISK FORMATTER	EQUIPMENT CHANGED LOGIC PCBA	MODEL SERIES AFFECTED	EFFECTIVE DATE	
	 X 	102831-XX	D3000	6-24-74	

<b>CLASS OF BULLETIN:</b> <input type="checkbox"/> IMPROVEMENT <input type="checkbox"/> RETROFIT ON FAILURE <input checked="" type="checkbox"/> RETROFIT RECOMMENDED <input type="checkbox"/> INFORMATION ONLY <input type="checkbox"/> _____	<b>ORDER PART KIT NO.</b>  N/A	<b>EFFECTIVITY</b>  APPROXIMATE SERIAL NUMBER RANGE 241401000 THROUGH 241401440
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**PURPOSE:** Rivets are now being used to attach the Logic PCBA support angle to the Logic PCBA. Possibilities exist that a small quantity of Model D3000 Disk Drives manufactured from April 1, 1974 through June 1, 1974, could have a riveted connection between logic and chassis ground. The support angle (P/N 102697-01) provides logic ground to chassis ground (base casting) feed through via the hinged standoffs (P/N 102729-01). Logic ground is normally transferred to the support angle by a screw located directly beneath Circuit No. U109. (Ref. Fig. 1, P.2). A small, but unknown number of these screws could have been replaced with rivets. Normally this poses no problems, however, a screw with locking star washers provides a more desirable grounding technique.

**SYMPTOMS:** Symptoms of a grounding type problem can be very vague at best, however, should a particular drive be exhibiting very intermittent READ/WRITE errors or odd "up" sequencing problems, poor ground feed-through may possibly be the cause.

**PARTS:** The following parts are available at any hardware or electronics supply facility:

QTY.	DESCRIPTION
1	Screw, #4-40 x 5/16
1	Nut, #4-40
2	Locking Star Washers, #4

**TOOLS:** 1-Phillips or Standard Screw Driver (whichever applicable)  
 1-Small pair of Diagonal Cutters.  
 1-VOM (Volt Ohm Meter) or equivalent.

**REWORK INSTRUCTIONS:** Referencing Fig. 1, P.2, locate circuit U-109 in Area C-6. Beneath U109, remove rivet with the small diagonal cutters. Replace rivet with the #4 screw, washers and nut using the tolerance stackup depicted in Fig. 2, P.2.

Should 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

Distribution Code - 6318

**TITLE** LOGIC TO CHASSIS GROUND FEED THROUGH

PIB NO.  
DK-3003

**TEST PROCEDURE:** With the volt/ohm meter, check electrical continuity between Logic Ground and Chassis Ground.

**DRAWING CHANGES:** None.

**REVISION CHANGES:** None.

**TIME REQUIRED:** 1/4 (one-fourth) hour.

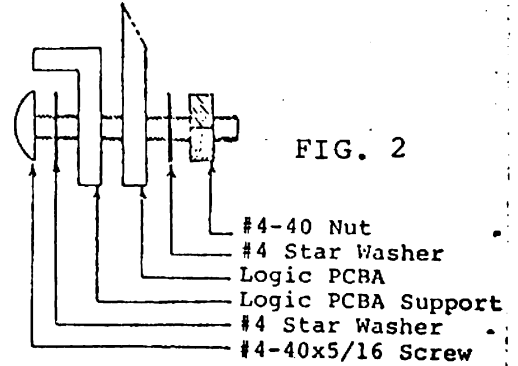


FIG. 1

