

## PERIPHERAL EQUIPMENT DIVISION

<b>TITLE</b> MARGINAL CARTRIDGE/DOOR LOCK SOLENOIDS				PIB NO. DK3032	
<b>PRODUCT LINE:</b> TAPE DISK FORMATTER		<b>EQUIPMENT CHANGED</b> Solenoid 517-0001		<b>MODEL SERIES AFFECTED</b> D3000	
				<b>EFFECTIVE DATE</b> 4/28/75	
<b>CLASS OF BULLETIN:</b>			<b>ORDER PART KIT NO.</b>		<b>EFFECTIVITY</b>
<input type="checkbox"/> IMPROVEMENT			N/A		All D3000 Disk Drives S/N 44XXXXXXXX-15XXXXXXXX Vendor: DELTROL Model (53365-60) D-16-24 VDC
<input checked="" type="checkbox"/> RETROFIT ON FAILURE					
<input type="checkbox"/> RETROFIT RECOMMENDED					
<input type="checkbox"/> SERVICE INFORMATION ONLY					

**PURPOSE:** The 24 VDC solenoids used in Top Load and Front Load interlock systems could possibly become marginal if left energized for long periods of time. These failures have only been associated with DELTROL control solenoids model D-16-24 VDC. Although it appears to be a batch related problem and only those solenoids with 7414 date codes are suspected, the vendor can offer no traceability. Therefore, drives in the above serial number range, listed in the effectivity block, could be affected.

**SYMPTOMS:** Solenoid will not pull plunger when hot.

Test:

- Allow drive to set in "SAFE" for approximately one hour.
- Turn A/C power switch off then immediately on again.
- If solenoid fails to pull plunger, solenoid should be changed per the following procedure.

**PARTS:** 1 (one) solenoid with plunger PERTEC P/N 517-0001.

**SPECIAL TOOLS:** None (Adapter bowl set-up tool is not required)

**ADJUSTMENTS:** Adjust per D3000 Manual.

Section 6-15 - Front Load interlock system  
Section 6-16 - Top Load interlock system

\*\*\*\*NOTE\*\*\*\*

Section 6-16 calls out the use of an adapter bowl set-up tool for setting the cartridge in place switches. These switches can be set using trial and error techniques, i.e., when the cartridge lock arms are in the locked position with a cartridge in place, the switch must be adjusted so that the actuator made.

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

PERTEC 20 4/28/75 (11)

**TITLE** MARGINAL CARTRIDGE/DOOR LOCK SOLENOIDS

PIB NO.  
DK3032

TEST PROCEDURE:

Front Load - ensure door is locked per section 6-15 of the D3000 Manual.

Top Load - cycle drive to the READY condition and move cartridge lock arms if heads retract and unit powers down, switch must be re-adjusted for maximum actuator closure.

DRAWING CHANGES: None

TIME REQUIRED: One half hour

\*\*\*\*NOTE\*\*\*\*

Request for warranty replacements will follow our normal warranty practices and should be directed to the authorized Repair Centers, listed below.

- Chatsworth, California
- Reading, England