

TITLE MOTOR PULLEYS			PIB NO. DK3052	
PRODUCT LINE:	TAPE DISK FORMATTER <input checked="" type="checkbox"/>	EQUIPMENT CHANGED 102636-02	MODEL SERIES AFFECTED D3000	EFFECTIVE DATE April 30, 1976
CLASS OF BULLETIN: <input type="checkbox"/> IMPROVEMENT <input checked="" type="checkbox"/> RETROFIT ON FAILURE <input type="checkbox"/> RETROFIT RECOMMENDED <input type="checkbox"/> SERVICE INFORMATION ONLY		ORDER PART KIT NO. DK3052	EFFECTIVITY D3XX2 (60 Hz) D3XX1 (50 Hz) in serial number range 35XXXXXXXX, 45XXXXXXXX and 16XXXXXXXX	
<b>PURPOSE</b> <p>This bulletin has been issued to pin-point a possible cause of mechanical noise in the D3000 Disk Drive. Some motor pulleys fitted to disk drives assembled during the period July/December 1975 may become loose on the motor shaft after a period of satisfactory running. Further tightening of the set screws provides relief from the problem, but should only be considered a short term fix. A replacement pulley and set screws should be installed for a permanent solution.</p> <p>The pulleys which have demonstrated the problem are among those used on 2400 rpm, 60 Hz and 1500 rpm, 50 Hz drives and have the part number 102636-02 cast into the material.</p> <p>Warranty replacements for these pulleys can be obtained by contacting our Customer Service factory Repaircenter, referencing this bulletin.</p>				
<b>SPECIAL TOOLS</b> None				
<b>PARTS REQUIRED</b> Replacement pulley part number 102636-02.				
<b>REPLACEMENT PROCEDURE</b> 1.0 <u>Belt Removal</u> Location of pulleys and direction of rotation is indicated in Figure 1. To remove the belt, proceed as follows: <ol style="list-style-type: none"><li>1. Remove three No. 10 machine screws securing the belt guard in place.</li><li>2. Slide the belt guard forward until it drops away from the base.</li><li>3. Insert a large shanked screwdriver between the tension idler plate and the base. Compress the tension idler spring until the belt is released from the motor pulley.</li><li>4. Remove the belt from area.</li></ol>				

Should Additional Information Be Required -- Contact

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TITLE MOTOR PULLEYS

PIB NO.  
DK3052

#### 2.0 Pulley Removal/Replacement

1. Locate the motor pulley as shown in Figure 1.
2. Loosen the two set screws.
3. Remove faulty pulley.
4. Install the replacement pulley.
5. Line up pulley with end of motor shaft.
6. Tighten set screws.

#### 3.0 Belt Replacement

The following sequence is followed when replacing the drive belt. Refer to Figure 1 for threading pattern.

1. Loop one end of drive belt around spindle pulley. Center the belt on crown of pulley and, by hand, hold the remainder of belt taut until step (2) is completed.
2. Feed the remainder of the belt loop under the idler tension roller arm.

NOTE: At this point the outside face of the belt contacts the crown of the tension roller.

3. Feed the remainder of the belt loop again under the tension roller arm and up toward the blower pulley.

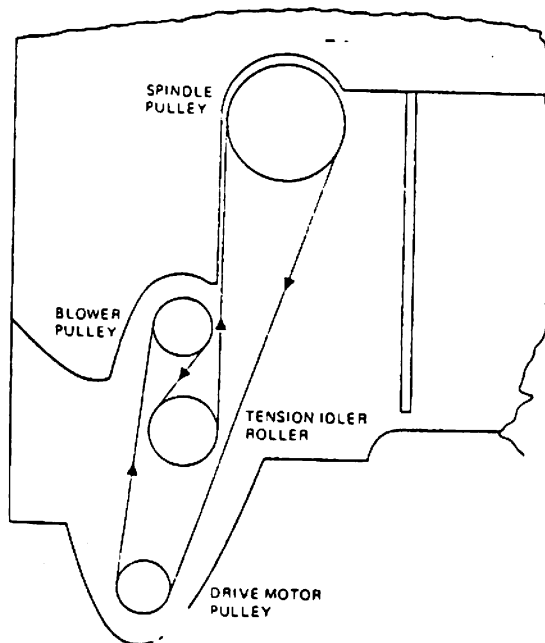


FIGURE 1, BELT THREADING PATTERN

4. Loop the belt around the blower pulley. Release the loop and extend the remainder of the belt loop to the drive motor pulley.

TITLE

MOTOR PULLEYS

PIB NO.  
DK3052

NOTE: At this point the inside face of the belt contacts the traction area of the blower pulley.

5. Continue the remainder of the belt loop up to the drive motor pulley. Spread the belt apart to form a loop which can be slid down and around the traction area of the drive motor pulley.
6. With a large shank screwdriver (used as a crowbar) pry the tension arm forward by compressing the tension arm spring toward the front of the base. This action will establish enough slack in the belt to allow the belt loop mentioned in step (5) to be slipped down and around the drive motor pulley. Release pressure on the tension arm.
7. Inspect the belt for location on all driven surfaces and also determine that the belt does not contact any surface that will cause belt abrasion.
8. By hand, pull the belt through several revolutions of the drive system in order to allow the belt to seek its normal operating path. This action will also establish the correct tension of the belt between pulley spans.

NOTE: If the belt comes in contact with any structural member, either raise or lower the drive motor pulley on the motor shaft until the belt clears the obstruction.

9. Check the static discharge contact located on the end of the spindle shaft for wear. (If replacement is required, consult PIB DK3024A).
10. Reinstall the belt guard.
11. Return the disk drive into the enclosure.

TIME REQUIRED

20 minutes