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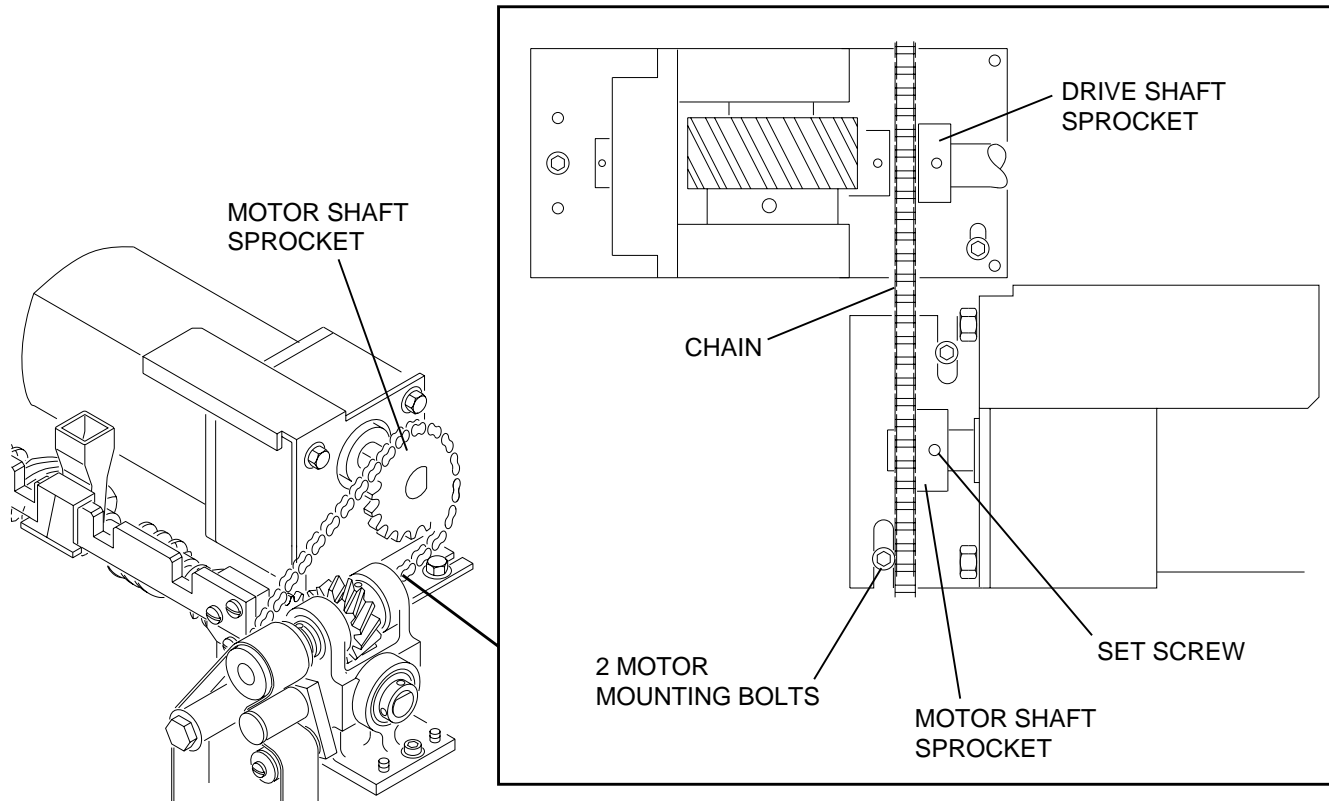
# Section 3: Main Drive

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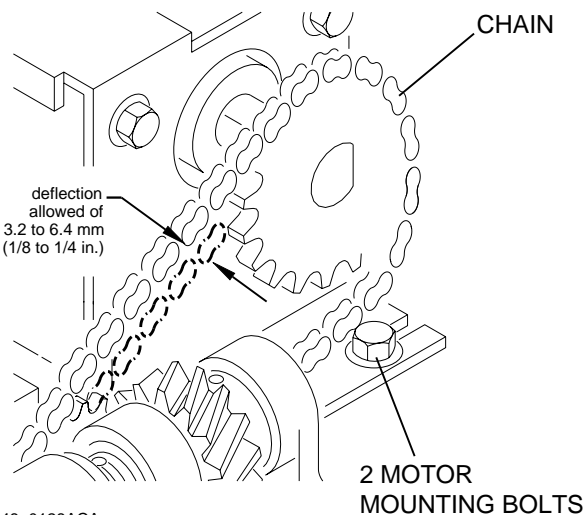
## Aligning the SPROCKET



H148\_0127HCA  
H148\_0127HA

- [1] De-energize the PROCESSOR.
- [2] Remove the TOP COVER and the SPLASH GUARD from the MOTOR.
- [3] Loosen the SETSCREW on the MOTOR SHAFT SPROCKET.
- [4] Align the MOTOR SHAFT SPROCKET with the DRIVE SHAFT SPROCKET.
- [5] Tighten the SETSCREW.

## Adjusting the Tension of the MOTOR DRIVE CHAIN



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H148\_0128AA

- [1] De-energize the PROCESSOR.
- [2] Remove the TOP COVER and the SPLASH GUARD from the MOTOR.
- [3] Check that the deflection of the CHAIN is 3.2 to 6.4 mm ( $\frac{1}{8}$  to  $\frac{1}{4}$  in.).



### Caution

Do not make the CHAIN too tight.

- [4] If necessary, adjust the tension:
  - (a) Loosen the 2 MOTOR MOUNTING BOLTS.
  - (b) Move the MOTOR to adjust the MOTOR DRIVE CHAIN for the correct deflection.
  - (c) Tighten the 2 MOTOR MOUNTING BOLTS.

## Lubricating the CHAIN

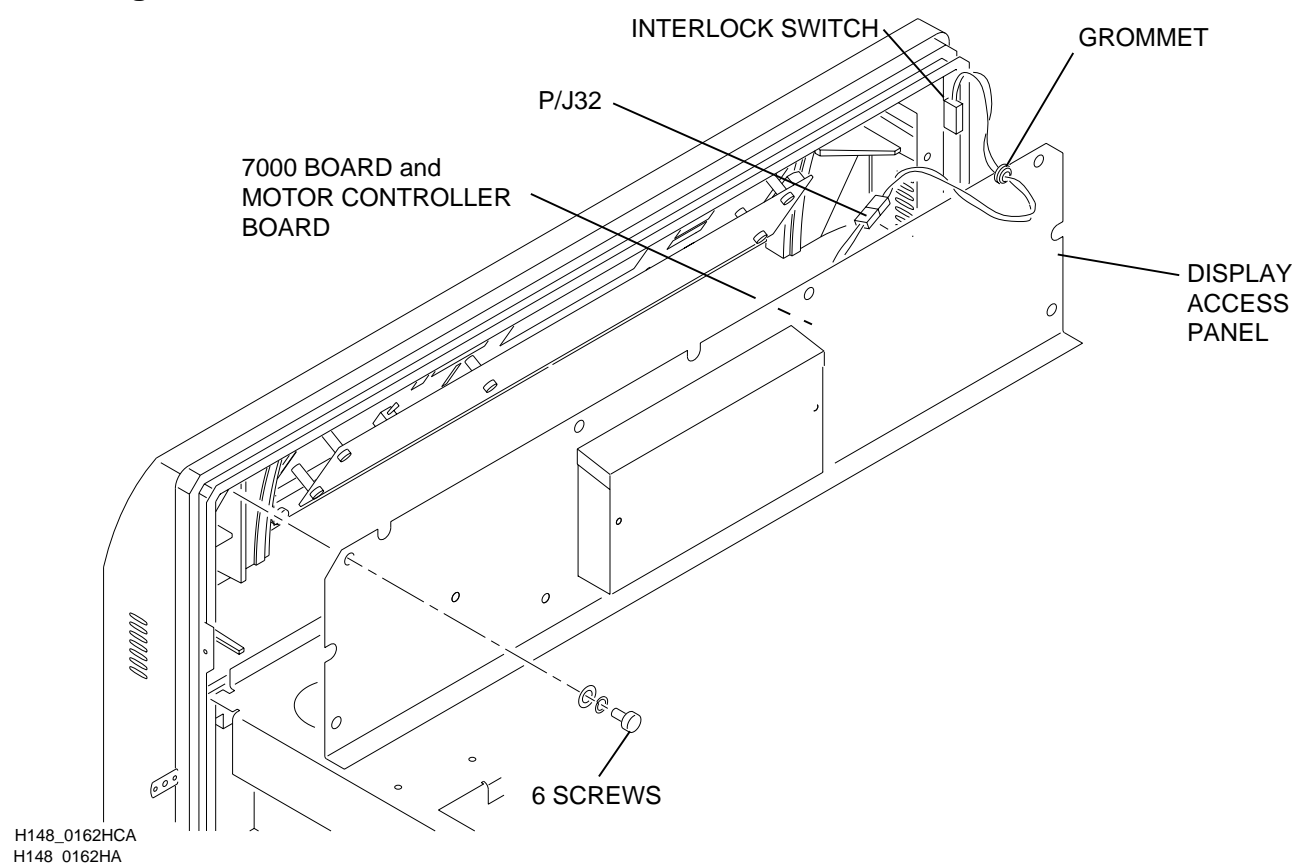
- [1] De-energize the PROCESSOR.
- [2] Remove the TOP COVER and the SPLASH GUARD from the MOTOR.



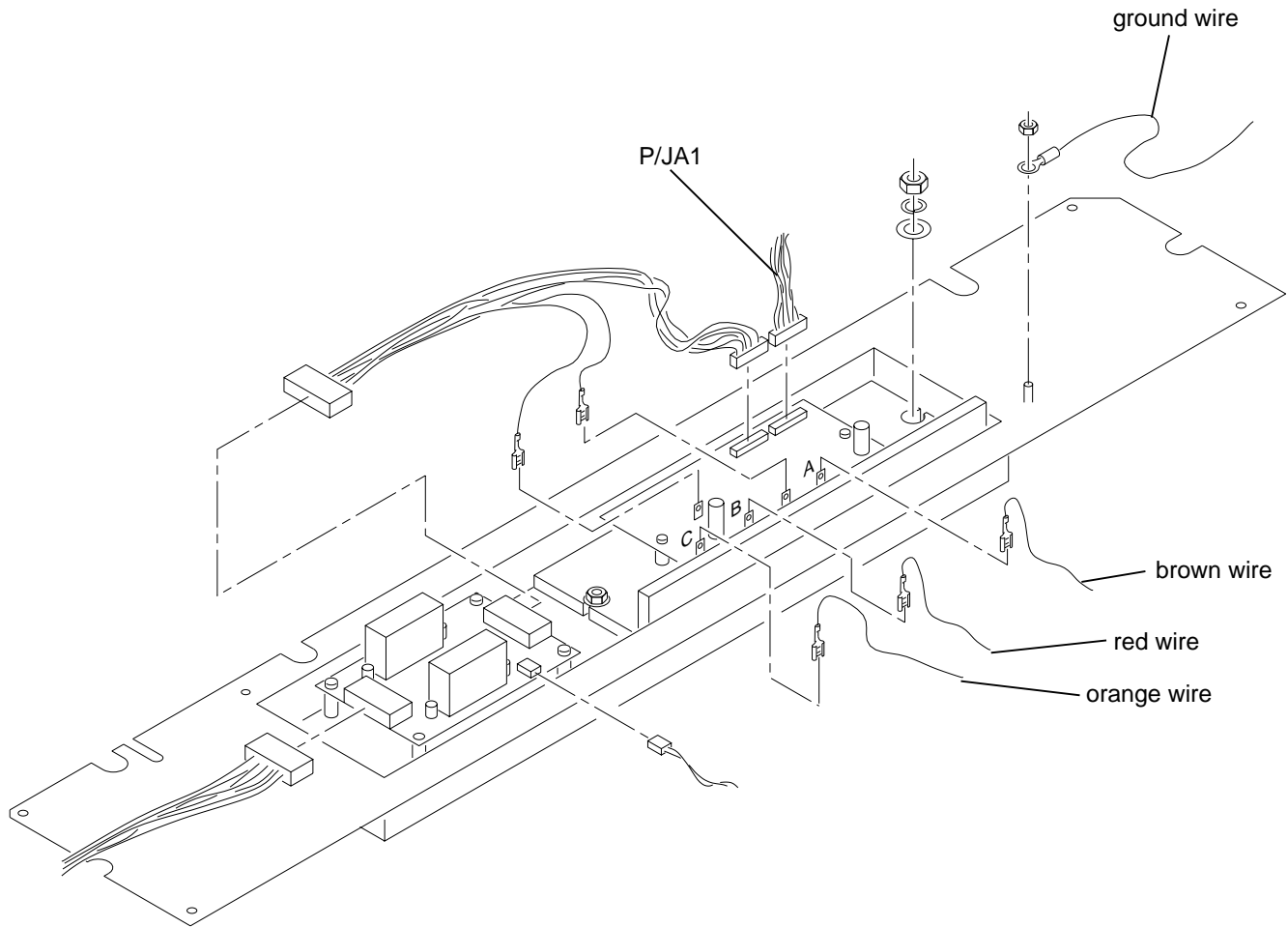
### Caution

- Do not allow the DRIVE CHAIN to operate without lubrication.
  - Use NLG1-No. 2 LITHIUM BALL and ROLLER BEARING GREASE TL-2324.
- [3] Check that the MOTOR DRIVE CHAIN is lubricated.
  - [4] If the CHAIN is dry, apply lubricant to the CHAIN.
  - [5] If the CHAIN is rusty, install a new CHAIN.

## Removing the DC DRIVE MOTOR



- [1] De-energize the PROCESSOR.
- [2] Remove:
  - TOP COVER
  - SPLASH GUARD from the MOTOR
  - SQUEEGEE
  - DRIVE SIDE ACCESS PANEL
- [3] Remove the 6 SCREWS, 6 LOCK WASHERS, and the 6 WASHERS from the DISPLAY ACCESS PANEL.
- [4] Carefully, tilt back the top of the DISPLAY ACCESS PANEL.
- [5] Remove the GROMMET from the DISPLAY ACCESS PANEL.
- [6] Disconnect P/J32.



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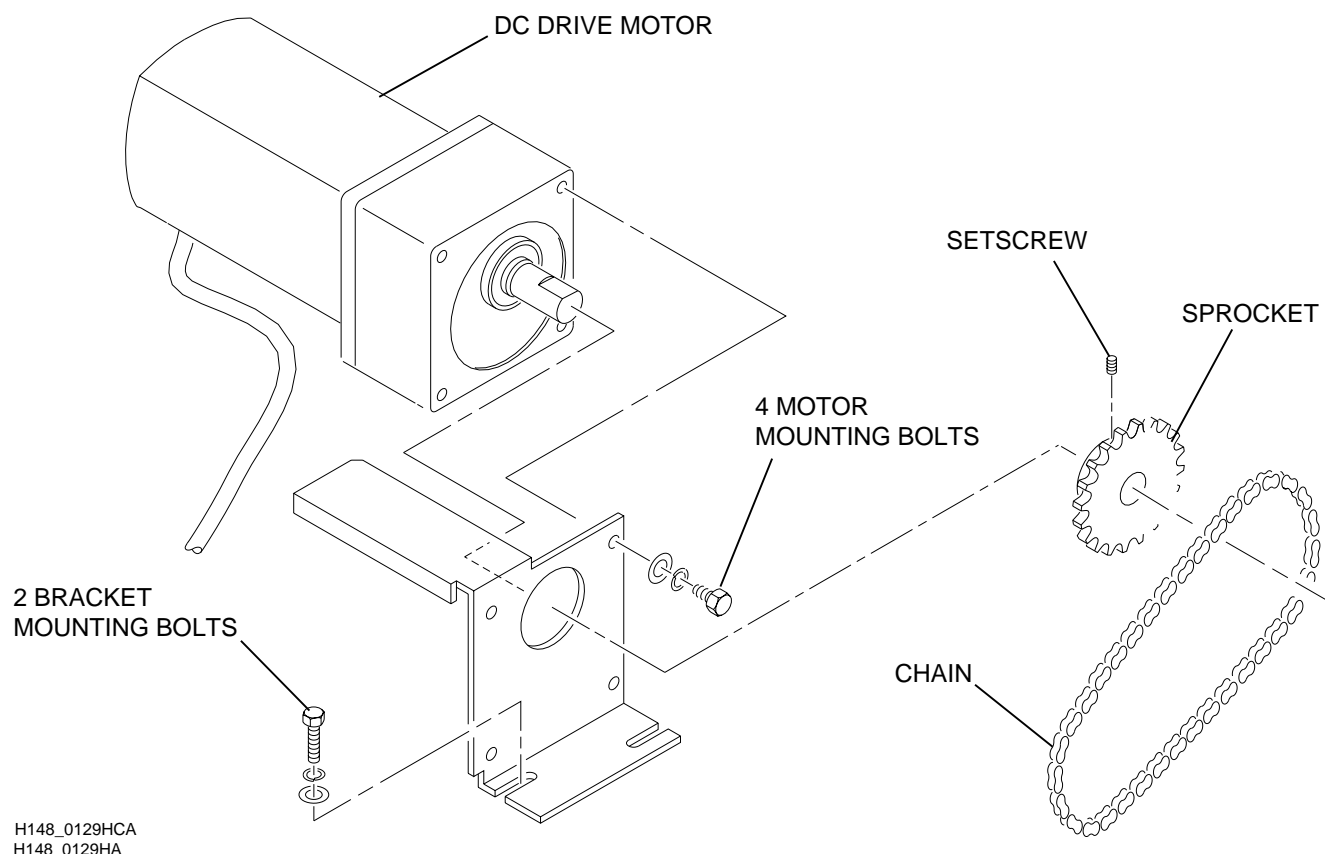


**ESD**

Possible damage from electrostatic discharge.

**[7] Disconnect:**

- P/JA1
- the green wire from ground
- the brown wire from TERMINAL A
- the red wire from TERMINAL B
- the orange wire from TERMINAL C



**[8]** Remove the MOTOR and BRACKET ASSEMBLY.

**[9]** Loosen the 2 MOTOR MOUNTING BOLTS.

**[10]** Remove the MASTER LINK from the CHAIN and then remove the CHAIN from the SPROCKET.

**[11]** Loosen the SETSCREW and remove the SPROCKET from the MOTOR.



### Caution

When you remove the 4 MOUNTING SCREWS, hold the MOTOR securely to prevent it from falling.

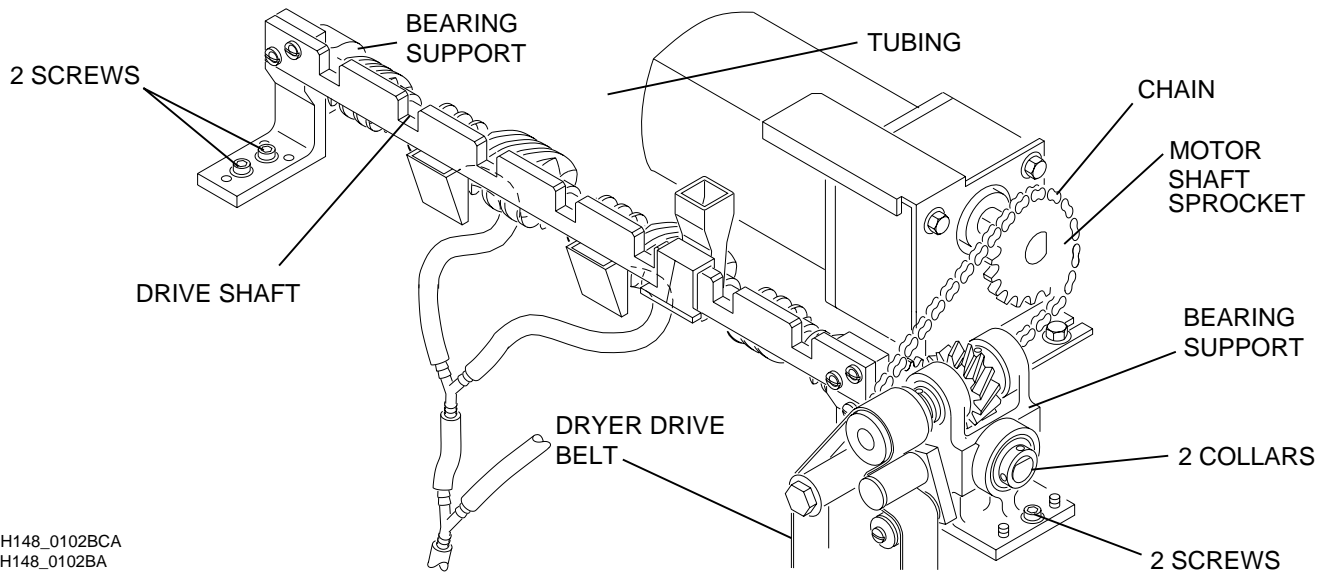
**[12]** Remove the 4 MOUNTING SCREWS.

**[13]** Install the new MOTOR using the existing 4 MOUNTING SCREWS.

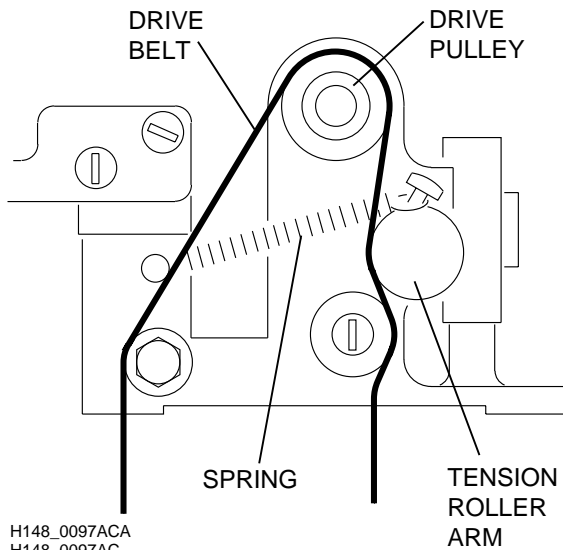
**[14]** Install all parts removed in previous steps and make all necessary connections.

**[15]** Energize the PROCESSOR and check that it operates correctly.

## Removing the DRIVE SHAFT



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H148\_0102BA



H148\_0097ACA  
H148\_0097AC

[1] De-energize the PROCESSOR.

[2] Remove:

- TOP COVER
- SPLASH GUARD from the MOTOR
- 3 RACKS
- 4 CROSSOVERS
- SPRING
- TENSION ROLLER ARM

[3] Move the DRYER DRIVE BELT off the DRIVE PULLEY.

[4] Remove:

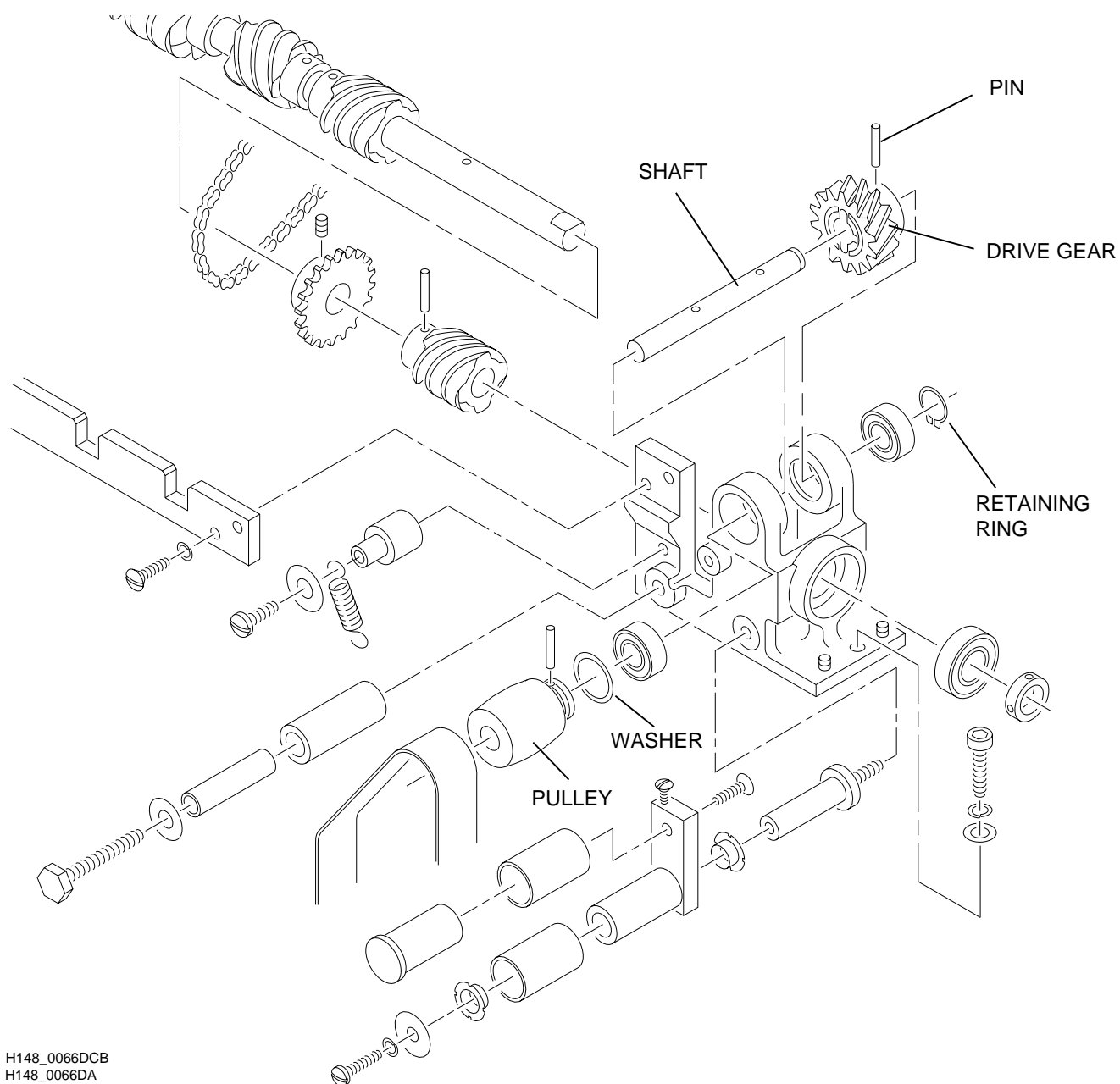
- 2 SCREWS from each of the 2 BEARING SUPPORTS
- CHAIN from the MOTOR SPROCKET

[5] Disconnect the TUBING.

[6] Remove:

- DRIVE SHAFT
- COLLAR from each end of the MAIN DRIVE SHAFT
- 2 BEARING SUPPORTS

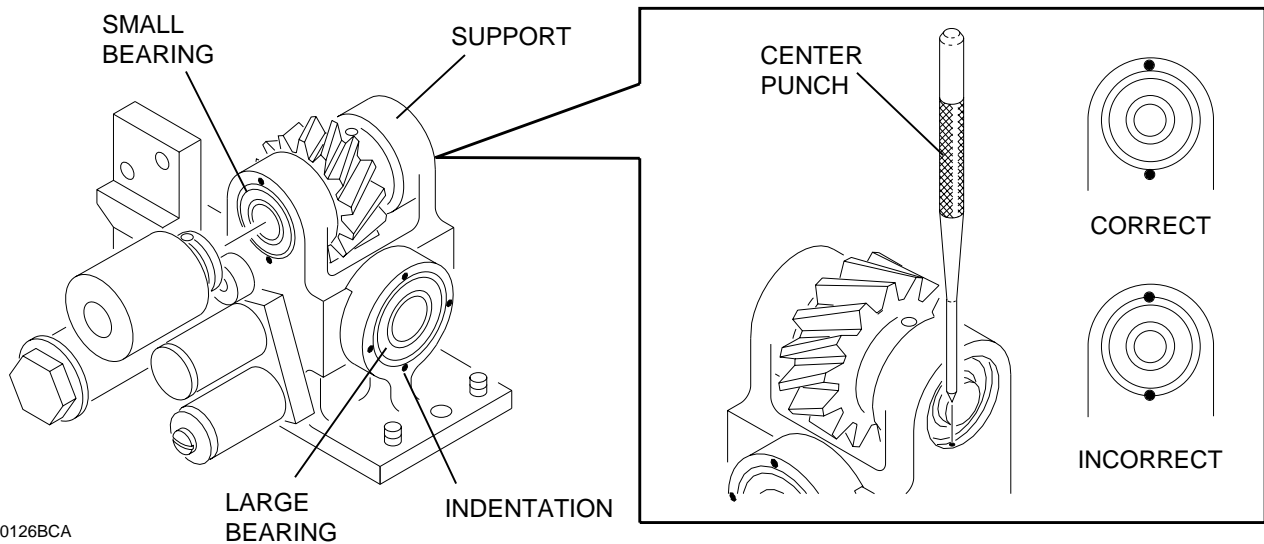
## Removing the BEARINGS



### [1] Remove:

- DRIVE SHAFT
- WASHER
- PIN
- RETAINING RING
- PULLEY
- DRIVE GEAR

### [2] Advance to the next page.



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H148\_0126BA



### Caution

Do not hit the BEARINGS with the CENTER PUNCH.

- [3] Seat the new large BEARING in the new SUPPORT. Use a CENTER PUNCH to make 4 INDENTATIONS in the SUPPORT.
- [4] Seat the small BEARINGS in the SUPPORT. Use a CENTER PUNCH to make 2 INDENTATIONS in the SUPPORT.
- [5] Insert the SHAFT with PULLEY into the DRIVE GEAR and the 2 small BEARINGS.
- [6] Install the new PIN flush with the surface of the DRIVE GEAR.
- [7] Assemble the BEARING SUPPORT and the DRIVE SHAFT.
- [8] Adjust the 4 SETSCREWS on the SUPPORT until the DRIVE BELT remains at the center of the PULLEY.
- [9] Align the SPROCKET and the CHAIN.
- [10] Adjust the tension of the CHAIN.
- [11] Assemble the PROCESSOR and check that it operates correctly.