



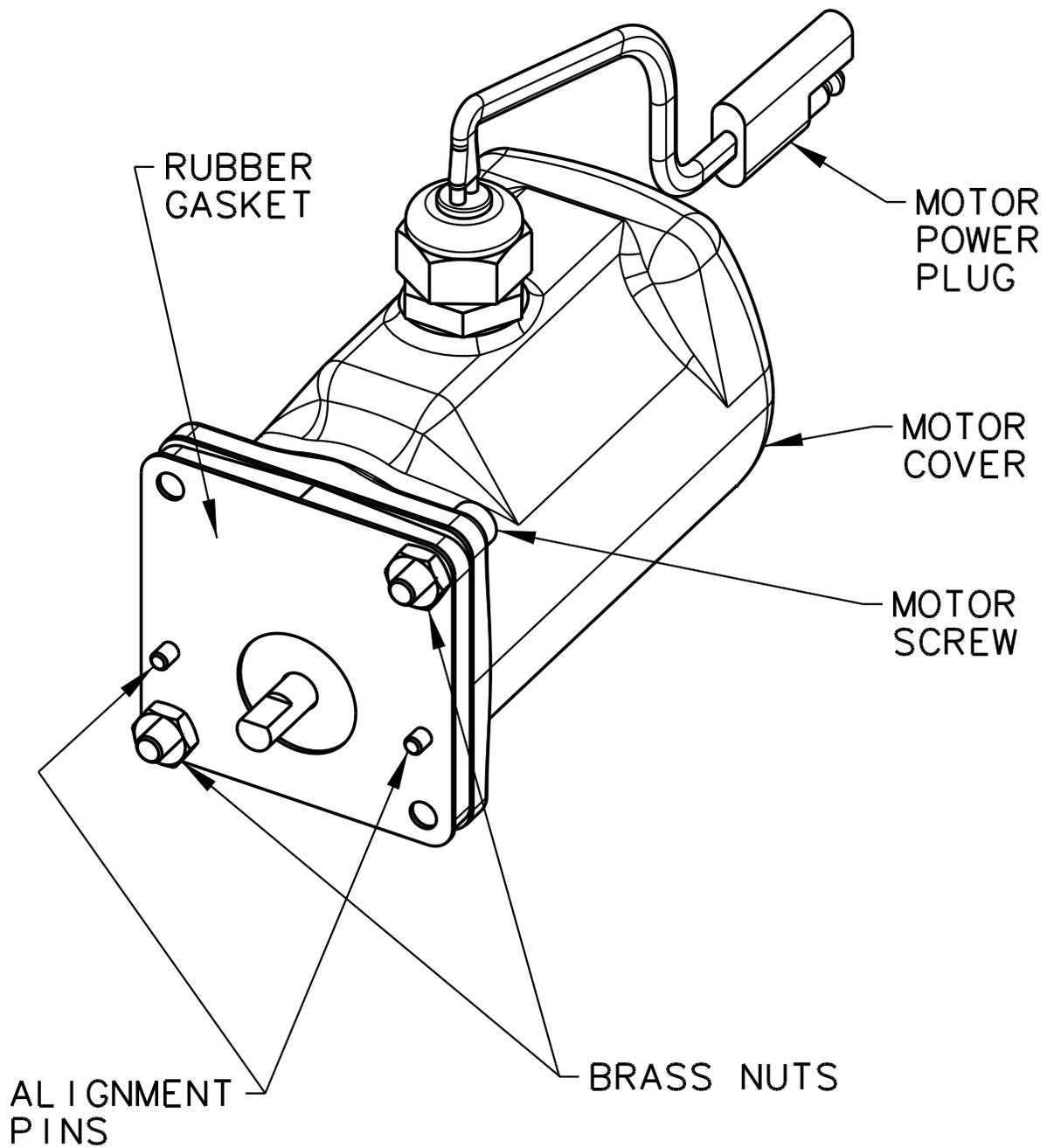
8494 MOTOR ASSEMBLY REPLACEMENT INSTRUCTIONS

(Please read through these instructions while referring to the included drawings to familiarize yourself with the required tasks prior to attempting the motor replacement.)

- 1) Disconnect monitor system power.
- 2) Disconnect the 2 position motor power plug on the motor assembly that is being replaced.
- 3) Remove the 4 screws holding the motor assembly to the monitor. (Note the position of any clamps that secure the monitor wire harness so that they may be reassembled in the same positions.)
- 4) Slide the motor cover back just far enough to grasp the motor itself. Pull the motor assembly away from its mounting pad on the monitor body. It may be necessary to wiggle the motor assembly back and forth or up and down to loosen it enough to be removed. Be sure to remove and discard the Rubber Gasket that goes between the motor's mounting flange and the monitor. The new motor assembly will have a new one.
- 5) Remove the 2 set screws that secure the female shaft coupling to the shaft on the old motor assembly and remove the coupling. Remove the 2 thrust washers and the thrust bearing. Note: all of these parts must be degreased and all Loctite residue removed before they can be installed on the new motor assembly.
- 6) On the new motor assembly place 1 thrust washer over the motor shaft and slide it up against the motor flange. Pack the thrust bearing with grease (see note on the drawing) and place it over the over the motor shaft and slide it up against the thrust bearing. Place the other thrust washer over the motor shaft and slide it up against the thrust bearing. Clean any grease residue from the exposed motor shaft. Place the female shaft coupling onto the motor shaft and push it against the thrust washer, apply #242 Loctite to the **long** set screw and install it into one of the holes in the female shaft coupling and tighten against the **flat** of the motor shaft. Apply #242 Loctite to the **short** set screw and install it into the other hole in the female shaft coupling and tighten against the **round** portion of the motor shaft.
- 7) Remove the 2 brass nuts and the 2 screws on the new motor assembly. (The brass nuts were used only to hold the motor assembly together for shipping and are no longer required. The 2 motor screws that came on the new motor assembly are the same as the 4 screws that held the old motor assembly to the monitor and can be used as replacements if necessary.) Insert the female shaft coupling and Driv-lok Pin into the bore and slots of the worm shaft. Rotate the motor assembly so the screw holes and alignment pins in the motor assembly line up with the

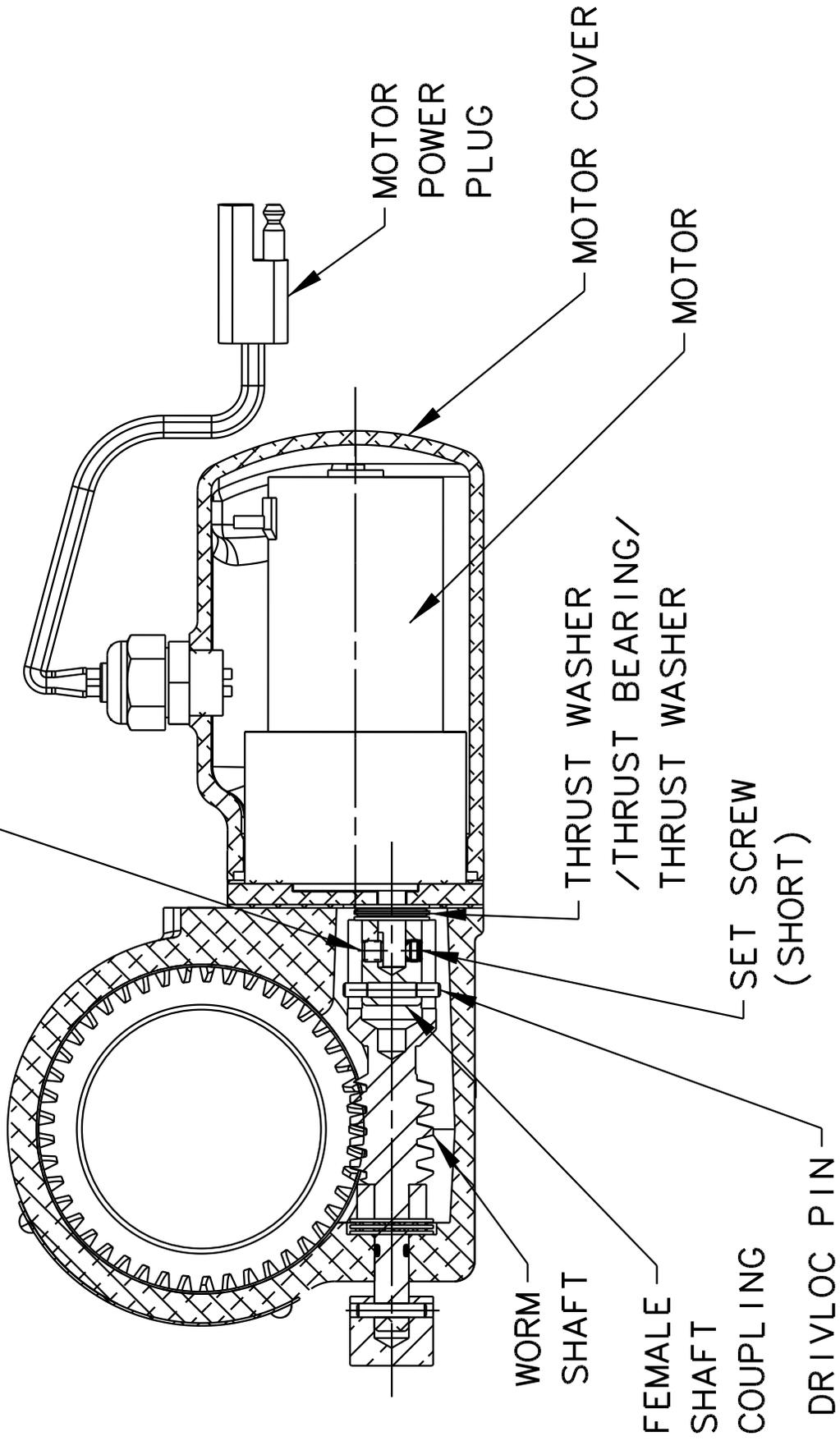
holes in the mounting pad on the monitor. Check that the rubber gasket on the motor assembly has remained in the correct position then carefully push the motor assembly towards the monitor, making sure the alignment pins engage the holes in the mounting pad on the monitor.

- 8) Reinstall the 4 motor screws and any wire harness clamps in their original positions. The screws should be secured with #242 Loctite. The screws should be tightened evenly in a crisscross pattern, being sure that the motor squarely clamps the gasket tight against monitor pad.
- 9) Reconnect the 2 position motor power plug to the monitor harness. Turn on system power and test the replaced motor using the monitor controls.



8494 MOTOR ASSEMBLY

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 HEAVY DUTY MULTIPURPOSE INDUSTRIAL
 STRENGTH GREASE IN 8494 MONITORS.



8494 MONITOR MOTOR CROSS SECTION