Installing SAE O-Ring Fittings

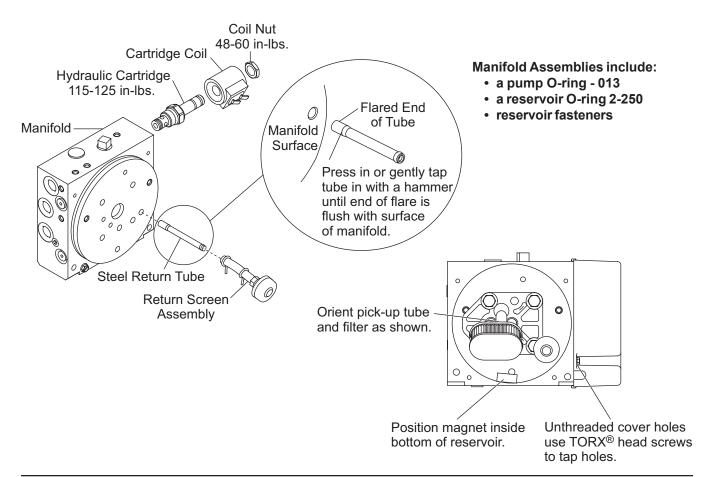
- 1. Turn jam nut on fitting as far back as possible.
- 2. Lubricate o-ring with clean hydraulic oil.
- 3. Screw fitting into port by hand until the washer contacts port face and shoulder of the jam nut threads.
- 4. Unscrew fitting to proper position no more than one full turn.
- 5. Using two wrenches, hold fitting body in position and tighten jam nut until the washer again contacts port face, then tighten an additional 1/8 to 1/4 turn to lock fitting in place. Final torque on the jam nut should be approximately 20 ft-lbs.

Manifold Assembly

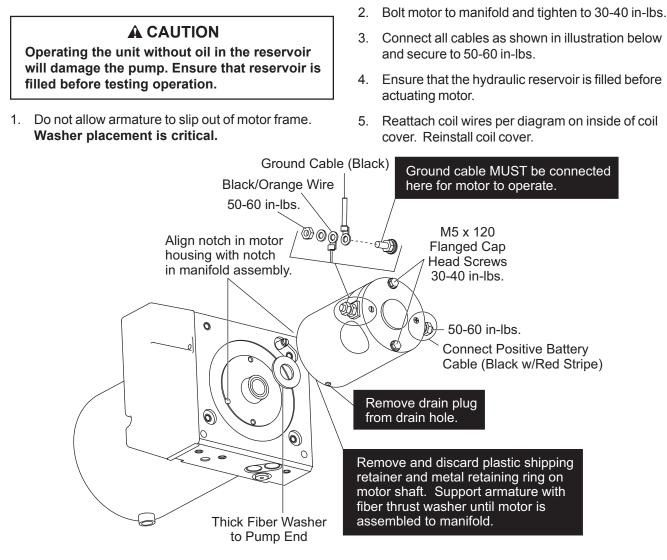
- 1. Thread the hydraulic cartridges in to the proper hole and tighten to a torque of 115-125 in-lbs.
- 2. Install the Cartridge Coil and Coil Nuts. Torque the coil nut to 48-60 in-lbs.

All Kits

- 3. Install the steel return tube by inserting the flared end into the manifold. Tap the tube gently with a hammer until the end of the flare is flush with the surface of the manifold.
- 4. Use pliers to install the return screen assembly.
- 5. Install the new pump o-ring and bolt the pump to the manifold as shown. Use existing fasteners and tighten to 150-160 in-lbs.
- 6. Install the new reservoir o-ring and reservoir. Tighten reservoir screws to 15-20 in-lbs .
- 7. Fill reservoir with clean fluid through fill hole on the reservoir. Refer to the Owner's Manual or Mechanics Guide for the proper fluid. DO NOT mix different types of oils. Actuate unit and refill reservoir. Adjust pump pressure relief valve if necessary. See Mechanic's Guide for the system you are working on for details about pump pressure adjustment.



Replacement Motor Installation



HYDRAULIC UNIT TORQUE SPECIFICATIONS Alternately, torque fasteners to torque specifications listed.		
Location	Fastener Size	Torque (In. Lbs.)
Pump Cap Screws	5/16"-18 x 2-1/2" with Flat Washer or 5/16"-18 x 2-1/4" without Flat Washer	150-160
Motor Terminals (+ and -)	5/16"-24 Nut	50-60
Motor to Manifold Cap Screws	M5 x .80 x 120	30-40
Reservoir Screws	#10-24 x 5/16"	15-20
Valve Cartridges	7/8" Hex	115-125
Coil Nuts	3/4" Hex Jam Nut	48-60
Cartridge/Coil Cover Screws	#8-32 x 1/2" or Standoff Screws	15-20
Check Valve	3/8"-24 Hex Socket SAE O-Ring Plug	55-65
Manifold Mount Bolts	1/4"-20 x 2-3/4"	105-115

The company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used.