

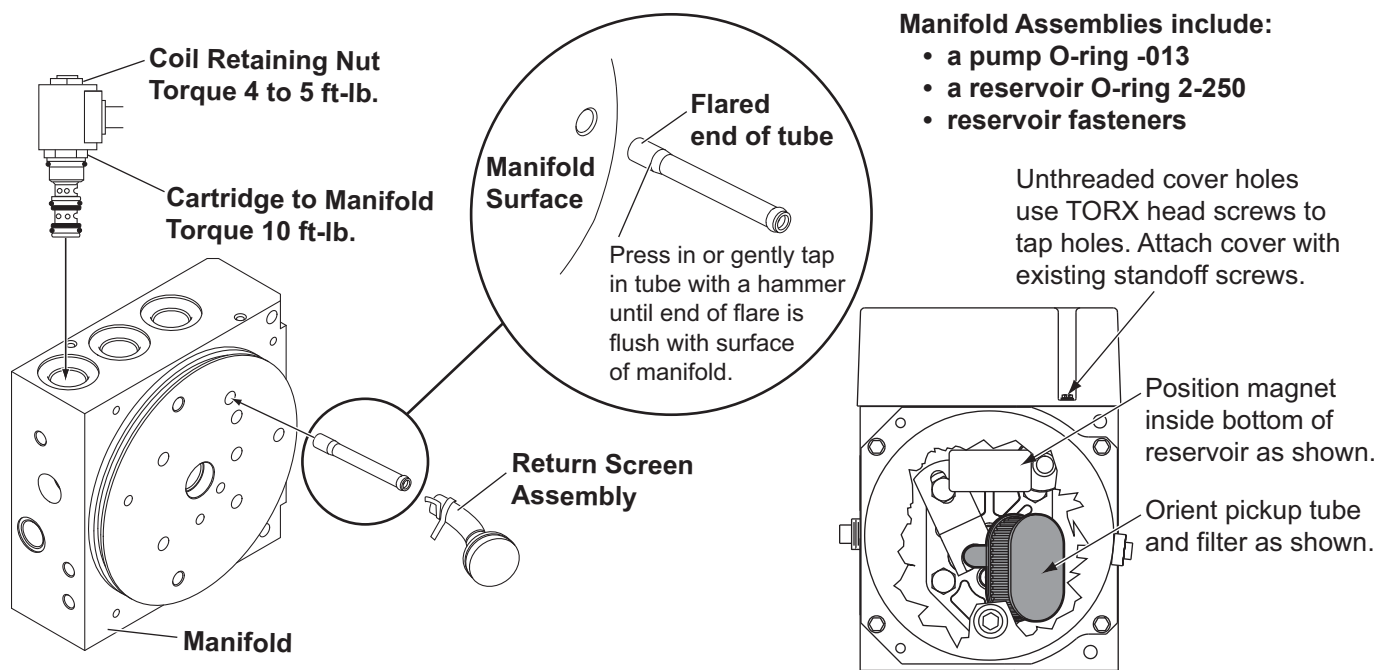


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**DD A DIVISION OF DOUGLAS DYNAMICS, L.L.C.**

## Valve Manifold Assembly 56608 or Manifold Assembly 56610

### Installation Instructions



#### Manifold Assemblies include:

- a pump O-ring -013
- a reservoir O-ring 2-250
- reservoir fasteners

#### HYDRAULIC UNIT TORQUE SPECIFICATIONS

Alternately, torque fasteners to torque specifications listed.

Location	Fastener Size	Torque (in-lb)
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	1/4"-20 x 6-1/4"	55-65
Reservoir Screws	#10-24 x 5/16"	30-35
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
Lift Frame Cross Member to Manifold Cap Screw	3/8"-16 x 1" (No Washers)	180-240
Manifold Mount Bolts	1/4"-20 x 2-3/4"	105-115

### INSTALLATION INSTRUCTIONS

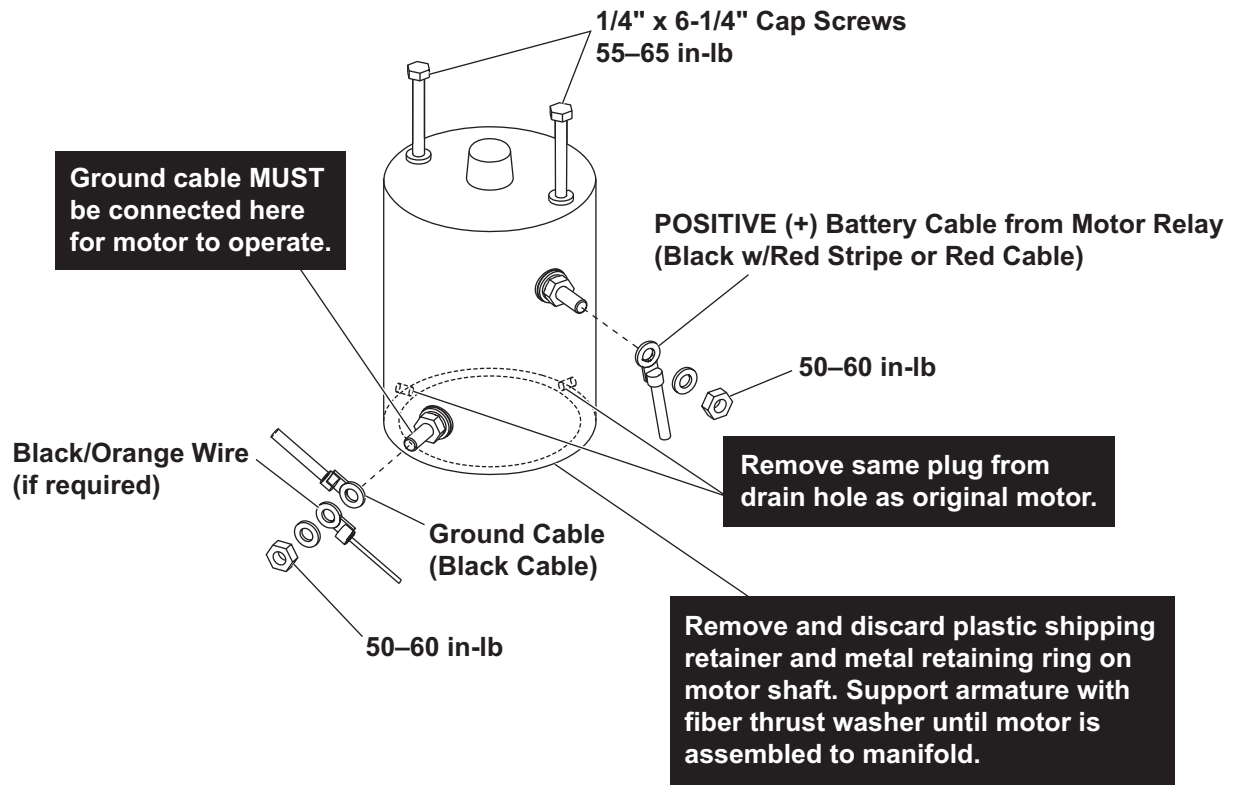
1. Turn jam nut on fitting as far back as possible.
2. Lubricate O-Ring with clean hydraulic fluid.
3. Screw fitting into port by hand until the washer contacts port face and shoulder of the jam nut threads.
4. Unscrew fitting to proper position — no more than one full turn.
5. Using two wrenches, hold 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-lb.

**Use the following procedure to install hydraulic hoses.**

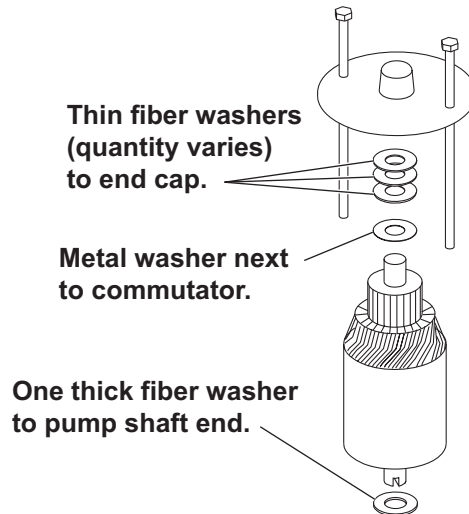
**Note: Overtorquing JIC hose fitting ends will result in a fractured fitting.**

1. Screw flare nut onto fitting flare and hand tighten.
2. Align hose so there are no twists or sharp bends.
3. Using two wrenches, hold the hose in position and tighten flare nut 1/8 to 1/4 turn beyond hand tight. Final torque on the flare nut should be approximately 20 ft-lb.

## Replacement Motor Installation



If armature is accidentally allowed to slip out of motor frame, proper washer placement is critical.



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