

FurrowForce Hydraulic Compressor Motor and Manifold Replacement Instructions

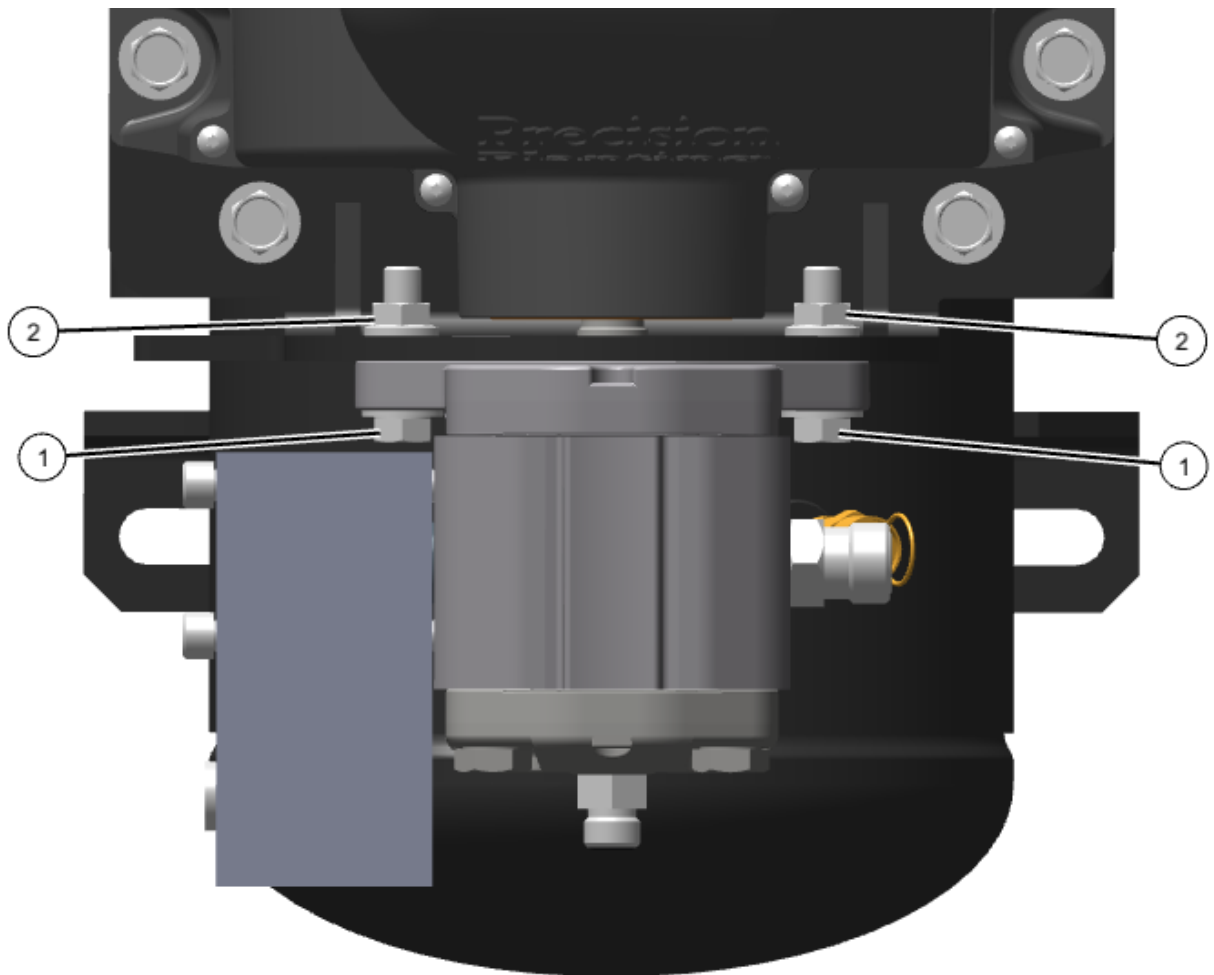
Instructions for kit 756502.

Step 1:

Disconnect the hydraulic supply hose from the existing manifold, and the hydraulic return and case drain hoses from the existing motor.

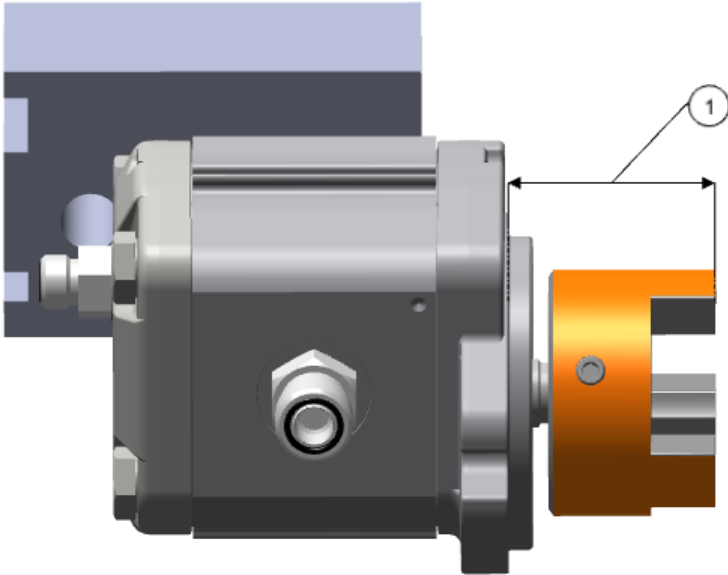
Step 2:

Remove the two bolts and washers (1) and flange nuts (2) that secure the motor to the compressor mounting bracket. Discard the hardware. Heat may be need to loosen the threadlocker.

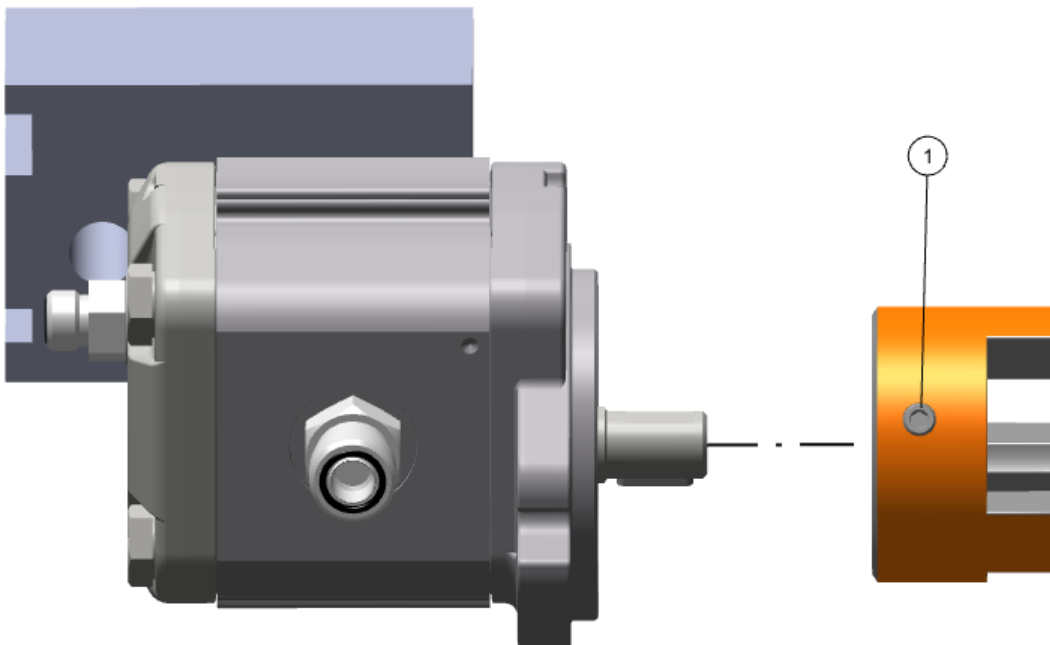


Step 3:

Remove the motor and manifold assembly from the compressor and measure the distance from the motor to end of the Lovejoy coupling to the nearest 1/32". See below (1).

**Step 4:**

Loosen the set-screw (1) in the Lovejoy coupling and remove the coupling from the motor shaft. Heat may be needed to loosen the threadlocker on the set-screw.

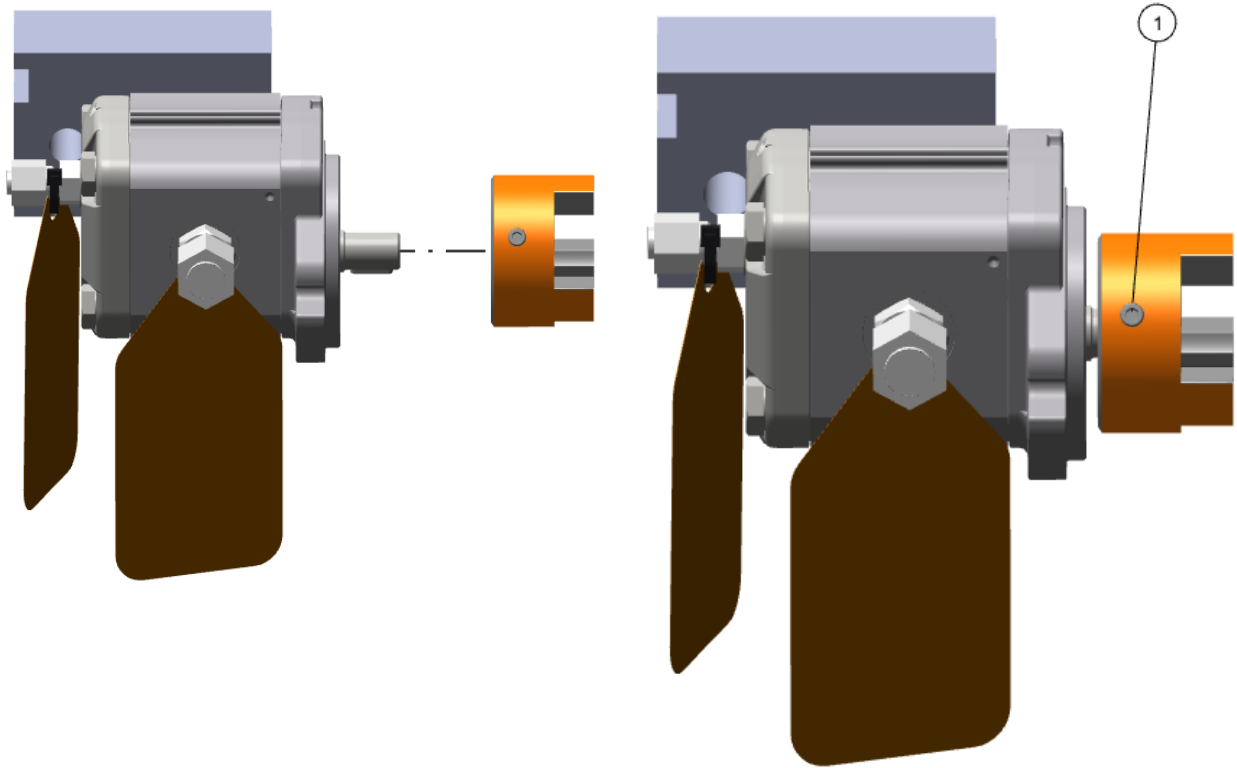


Note: A new Lovejoy coupling (756512) may be installed if preferred, versus removing and re-installing the current one.

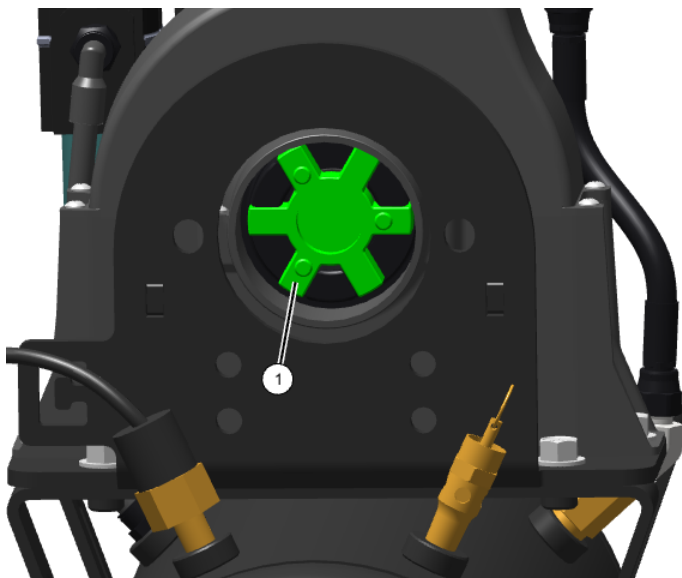
Step 5:

Locate the new motor and manifold assembly and align the key on the motor shaft with the keyway in the Lovejoy coupling. Apply threadlocker to the set-screw and install the coupling on the motor shaft within 1/32" of its position previously measured on the old motor. Tighten the set-screw (1).

Note: The top coupling/fan shroud may also be removed to check the proper installation of the coupling. When fully installed and positioned correctly, the motor coupling should be just touching the spider in the compressor coupling.

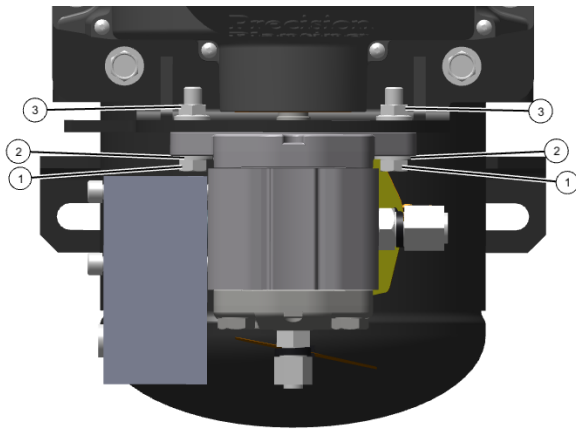
**Step 6:**

Ensure the spider (1) is installed in the Lovejoy coupling on the compressor or the motor and align the new motor and manifold assembly with the compressor.



Step 7:

Locate the provided hardware kit and apply threadlocker to the threads of the two 3/8–16 X 1.5” bolts (1). Install the 3/8” flat washers (2) and insert each bolt through the motor housing and compressor bracket. Secure each bolt with the 3/8” —16 serrated flange nut (3).

**Step 8:**

Re-install the hydraulic supply hose to the manifold and the hydraulic return hose and case drain to the motor. **Do not remove the pre-installed check valve fitting from the return port of the motor.**