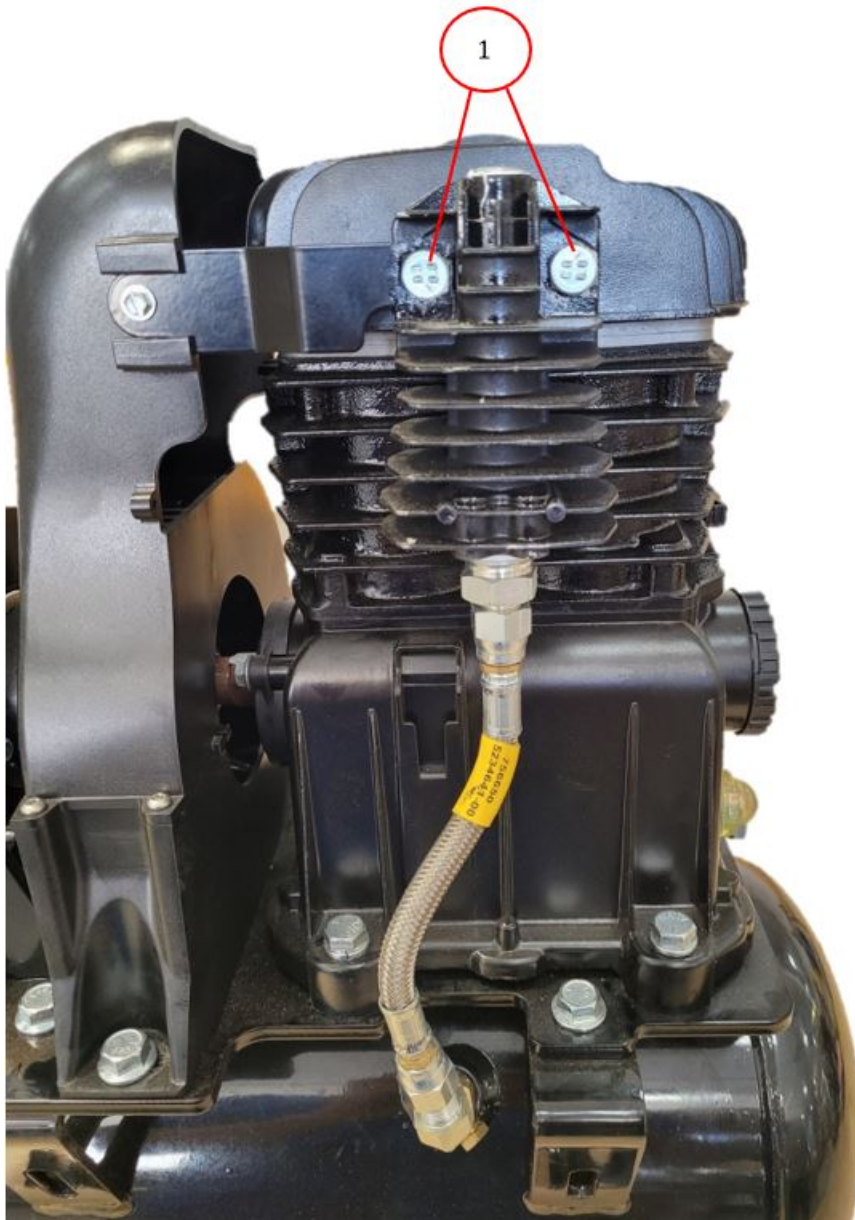


FurrowForce Hydraulic Compressor Replacement

Instructions for kit number 756590

Step 1:

Remove the hardware (1) that attaches the compressor output line or aftercooler to the compressor. (Aftercooler shown).



Step 2:

Using a 1-1/16" wrench, remove the air filter (1) from the compressor.



Step 3:

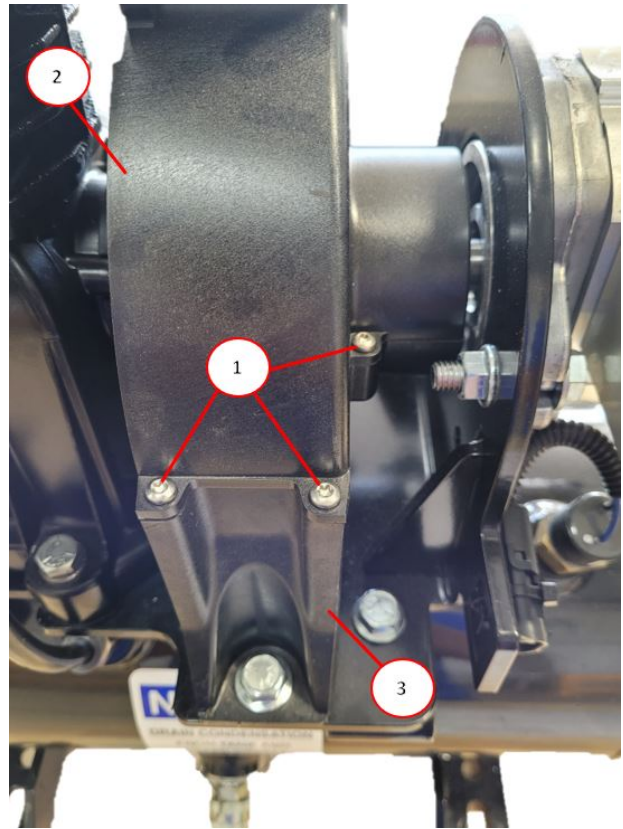
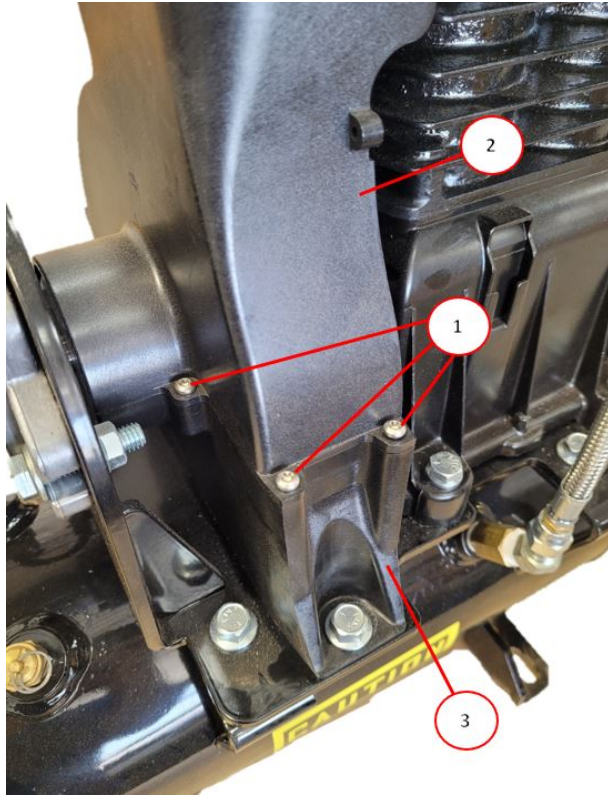
Locate the screw (1) that secures the water separator mounting bracket to the compressor. Loosen the screw with a 5/32" hex key and lift the water separator and bracket out of the mounting slot.

Note: It is not required, but removing the airline (between the water separator and tank) from the tank PTC fitting (2) will make removal of the compressor easier.



Step 4:

Remove the six screws (1), three each side, that secure the upper flywheel shroud (2) to the lower flywheel shroud (3). Remove the upper flywheel shroud.



Step 5:

Use a 9/16" socket to remove the four bolts (1), two each side, that secure the compressor to the mounting plate. Then remove the two bolts (2), one each side, that secure the lower flywheel shroud to the mounting plate. Slide the compressor sub-assembly away from the coupling and fully remove the compressor.

**Step 6:**

Place the provided flywheel wrench on the flywheel as shown and remove the flywheel bolt. **The bolt has left-hand threads.**



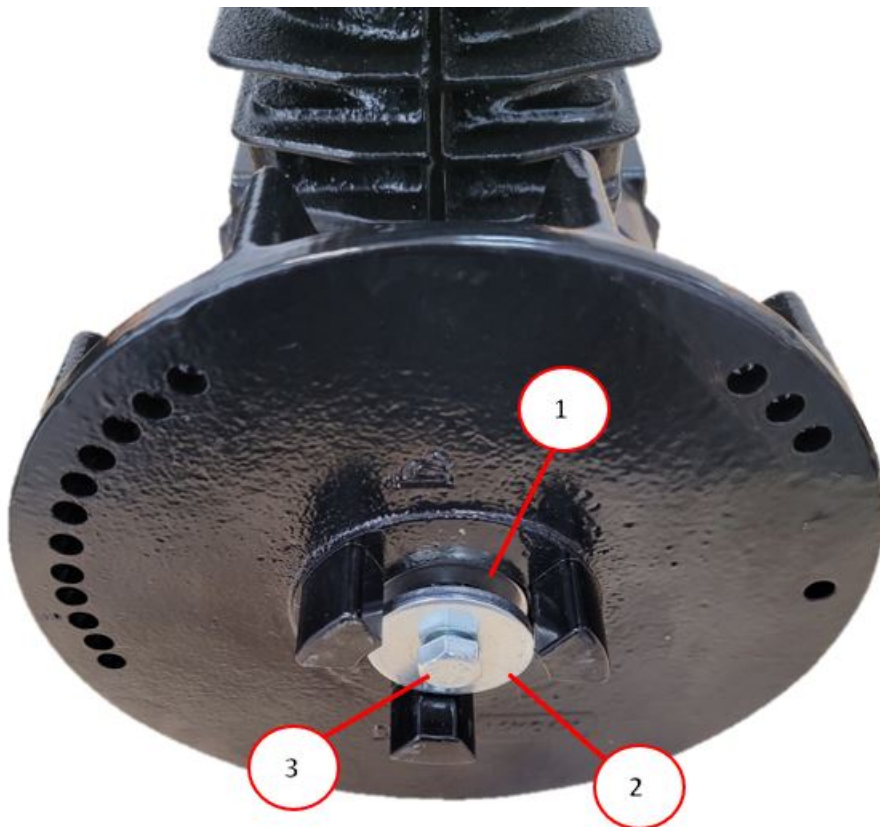
Step 7:

Use a 522 large gear/pulley (or similar jaw type) puller to remove the flywheel from the compressor being replaced.



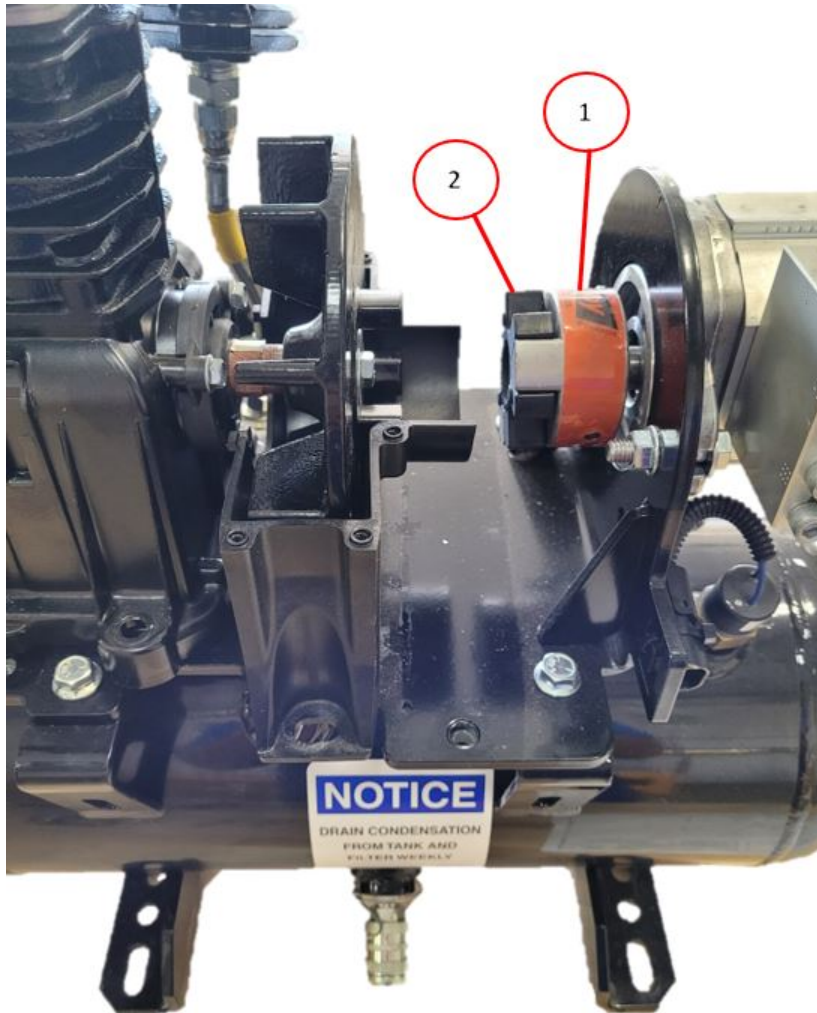
Step 8:

Place the flywheel on the shaft of the new compressor as shown. Install the spacer (1) (if included with original compressor), washer (2), and bolt (3) and, using the flywheel wrench to hold the flywheel, **torque the bolt to 20 ft-lb.** Again, the bolt is left hand thread.



Step 9:

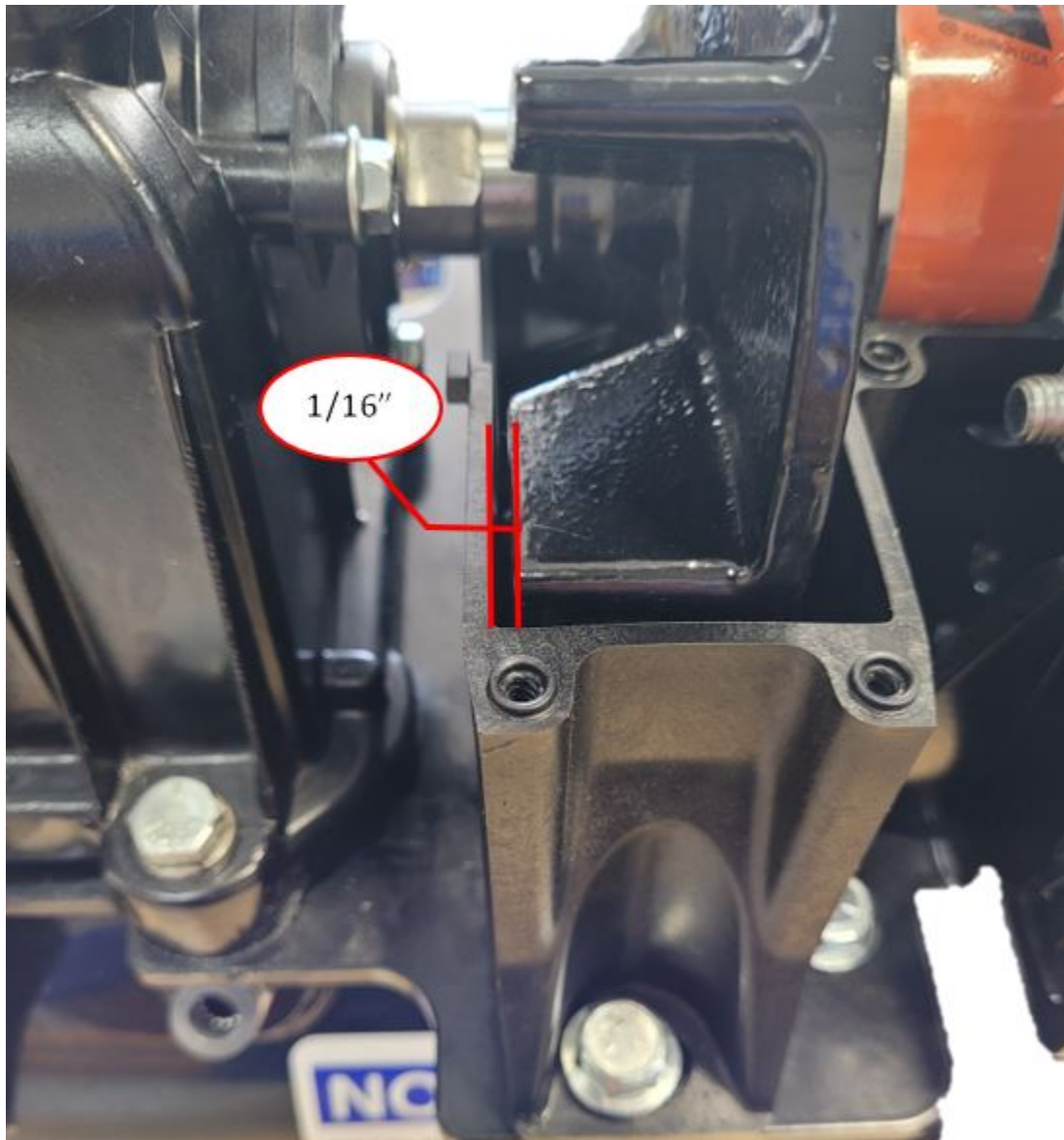
Place the lower flywheel shroud and new compressor on the mounting plate and align the flywheel with the coupling (1). Ensure the spider (2) is installed.

**Step 10:**

Use a 9/16" socket and re-install the four bolts and lock washers that secure the compressor to the mounting plate.

Step 11:

Loosely install the two lower flywheel shroud bolts. Position the lower flywheel shroud so there is **1/16"** of clearance between the fins of the flywheel and the shroud (on each side) as indicated. Tighten each bolt, retaining the 1/16" of clearance.

**Step 12:**

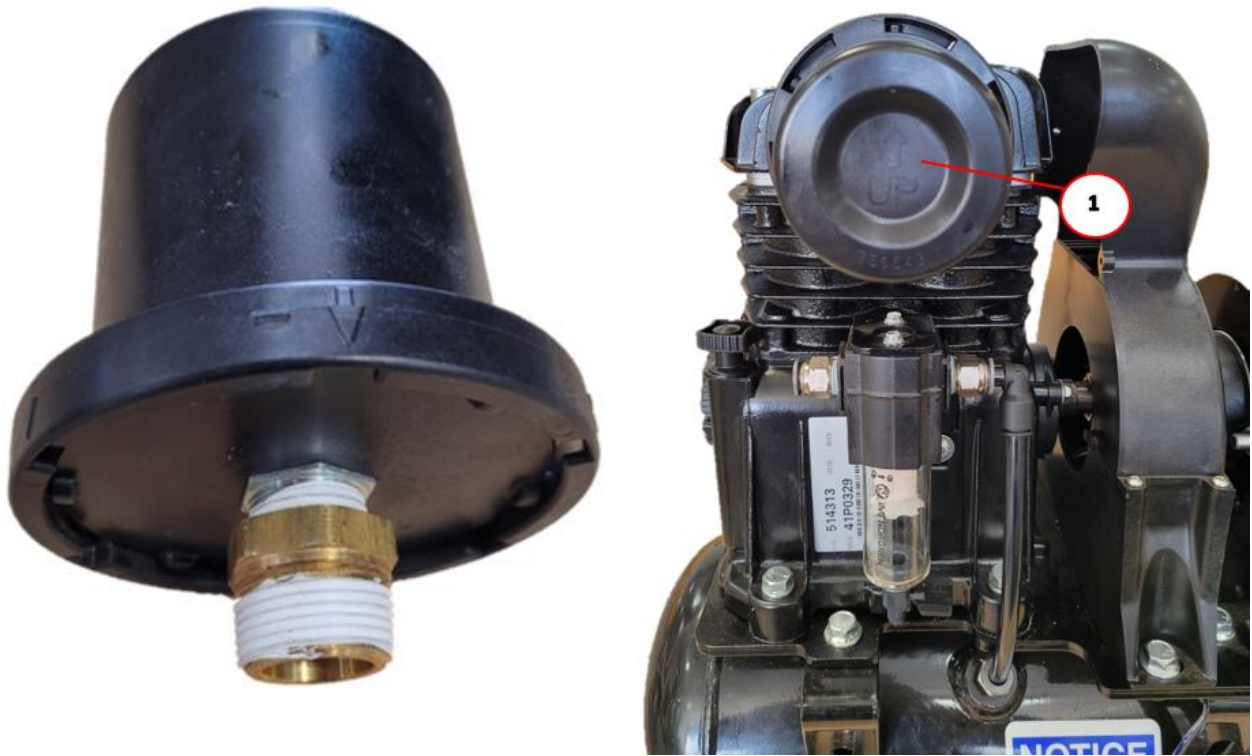
Re-install the water separator to the compressor and the airline to the tank PTC fitting.

Step 13:

Re-install the upper flywheel shroud to the lower flywheel shroud.

Step 14:

Re-install the air filter. Apply PTFE thread seal tape or thread sealant to the fitting threads before installing. If using thread sealant, use Loctite 513 Dri-Seal, or similar. The “arrow and UP” icon on the end of the filter cover should point up as shown (1).



Note: Once the filter is re-installed, it is recommended that the outer cover is removed and the pre-filter sock and filter element are cleaned as needed.



Step 15:

Re-install the aftercooler or compressor outlet line to the compressor.

Note: The new compressor does not come filled with oil. Oil must be added before operation.

Step 16:

Remove the oil dip stick (1) and use the provided oil to fill the compressor to the required level. Use the sight gauge (2) to fill to the correct level. **Do not overfill.**



Step 17:

Re-install the oil dipstick and rotate the cap so it is under the compressor fin. This will help keep the dipstick in place.