

FurrowForce Hydraulic Compressor Temperature Switch Update

These instructions are for update kit 756539 and detail the steps to install a temperature switch in the 756500 FurrowForce Hydraulic Compressor.

Quantity	Part Number	Part Name
1	200373	Zip Tie Mount
2	63124	Zip Tie
1	756595	Temperature Switch Harness
1	756596	Temperature Switch
1	955940	Instructions

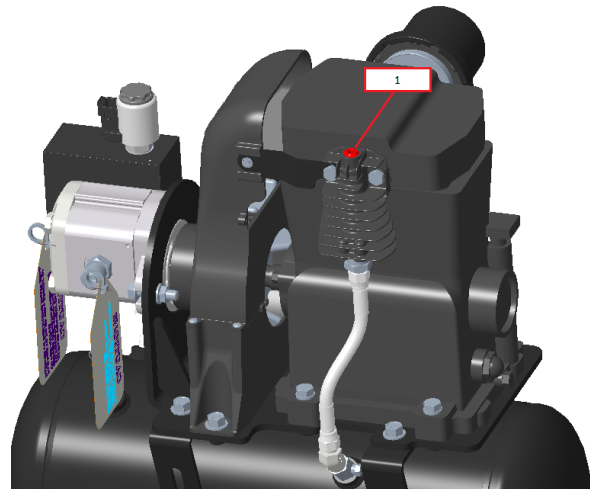
Note: The temperature switch harness has 3 connections, which are labeled to ensure proper installation.

1. Power — Plugs into Compressor Power Harness, 756560 or 756561.
2. Solenoid — Plugs into the valve solenoid on the hydraulic manifold.
3. Thermostat — Plugs into the temperature switch on the compressor.

Compressor power harnesses 756560 and 756561 Rev. 3 and greater have the temperature switch connection built into the harness and do not need to install the 756595 temperature switch harness included in this kit. Revision 3 power harnesses began shipping in October 2021.

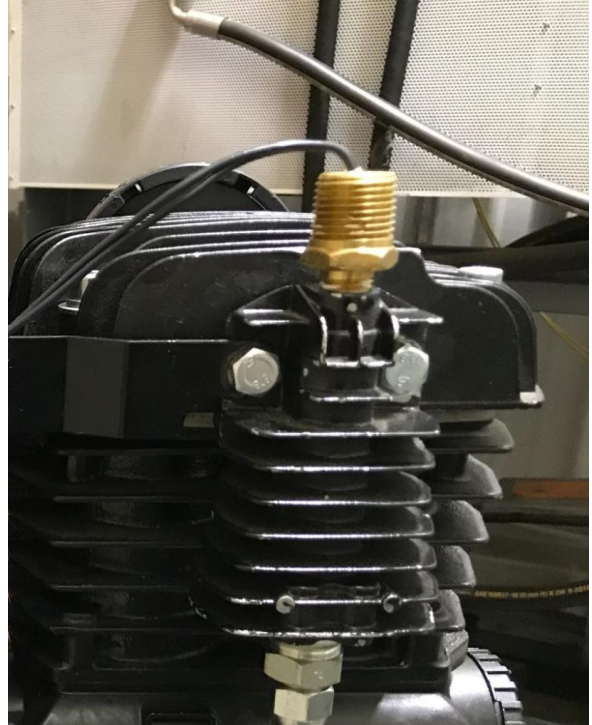
Step 1:

Remove the plug (1) from the top of the compressor aftercooler using an Allen wrench.



Step 2:

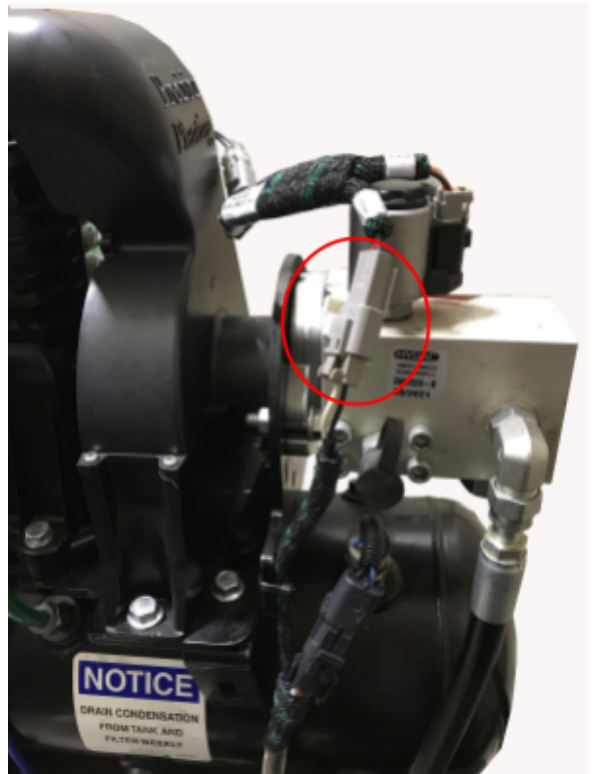
Install the temperature switch into the port in the aftercooler. It is recommended to use PTFE tape or thread sealant. Install approximately 1.5 turns past hand tight (with 2 layers of PTFE tape installed). **Do not over tighten.**



Step 3:

Disconnect the compressor power harness from the valve solenoid on the hydraulic manifold. Locate the connector labeled “power” on the temperature switch harness and connect it to the compressor power harness.

Note: It may be necessary to redo the compressor power harness installation/routing.



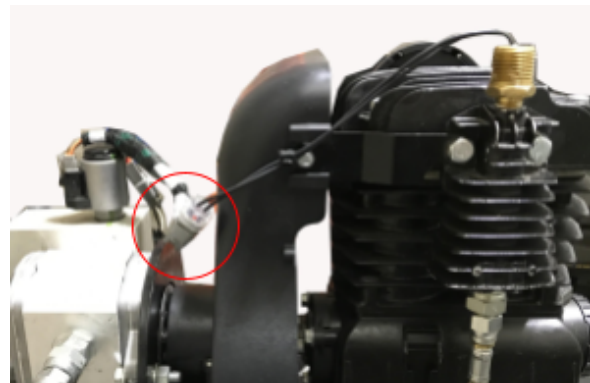
Step 4:

Locate the connector labeled “solenoid” on the temperature switch harness and plug it into the valve solenoid.



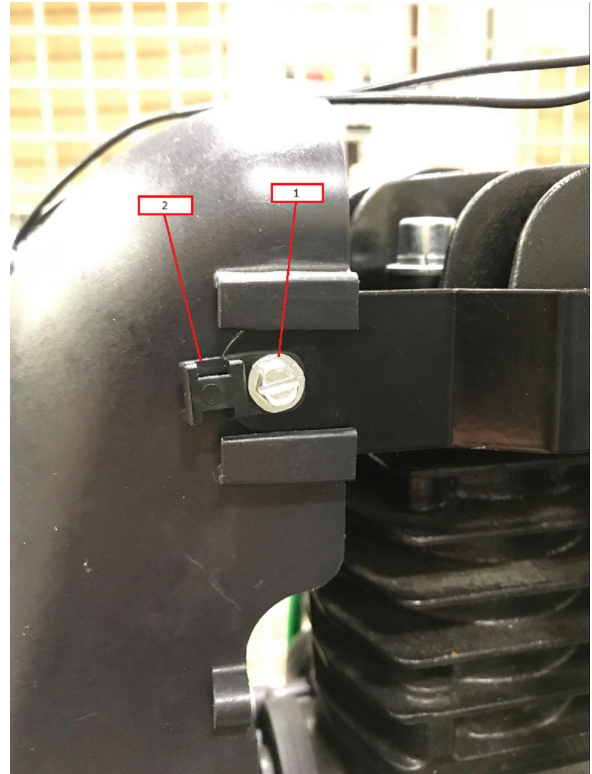
Step 5:

Locate the connector labeled “thermostat” on the temperature switch harness and plug it into the temperature switch installed during step 2.

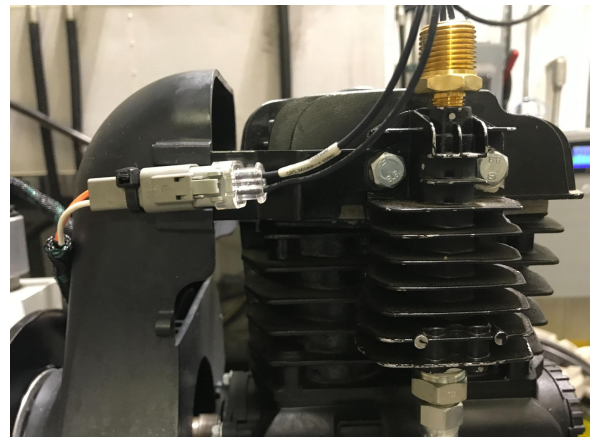


Step 6:

Remove the screw (1) from the flywheel support bracket and align the zip tie mount (2) with the hole. Re-install the mounting screw.

**Step 7:**

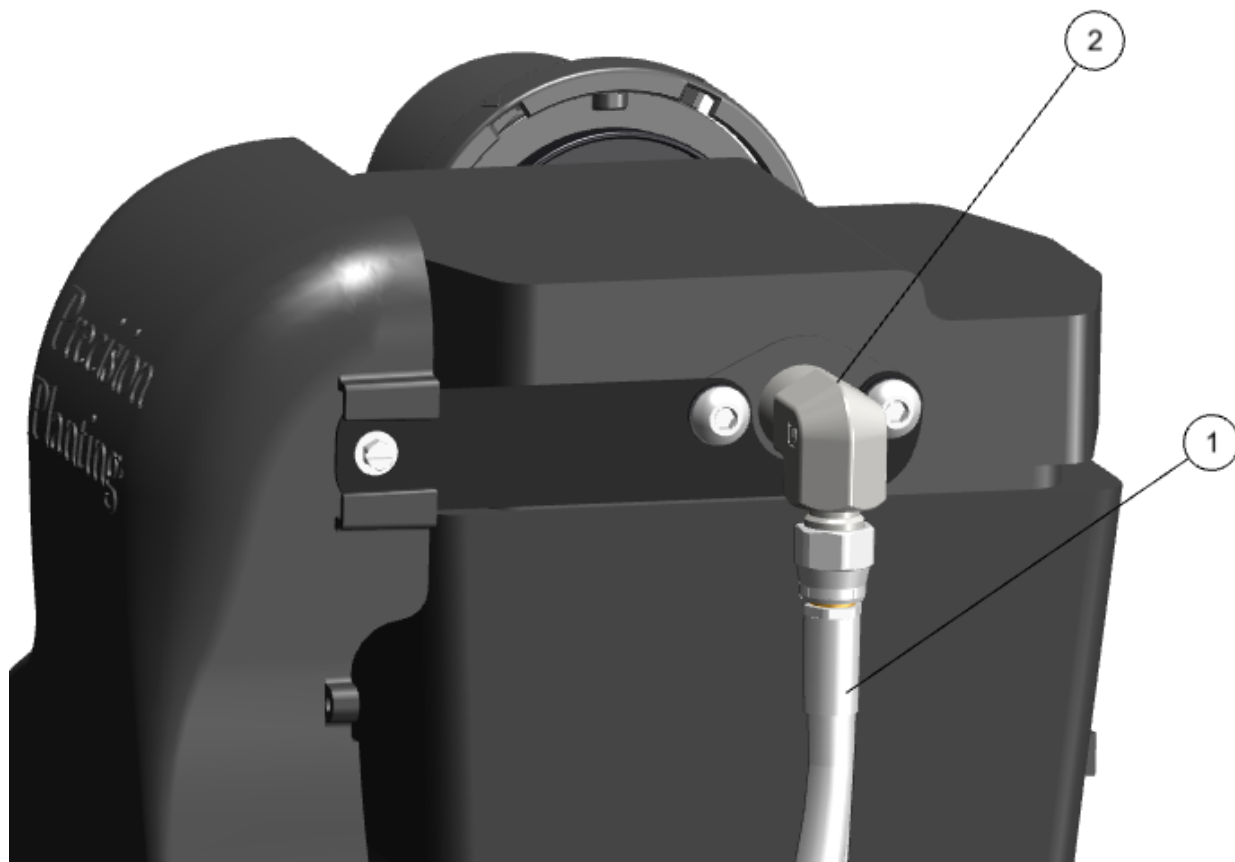
Attach the “thermostat” connector on the temperature switch harness to the zip tie mount using the supplied zip ties.



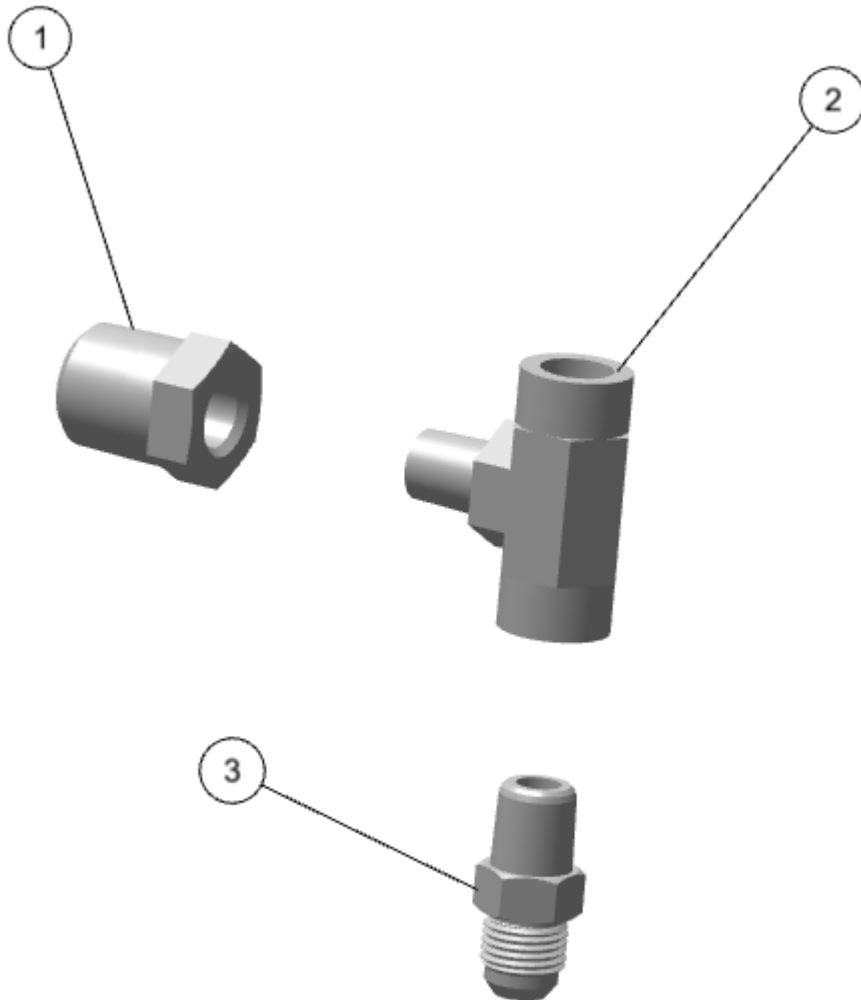
This section covers installing the 756541 pre-aftercooler compressor update kit on first year compressors. This allows the installation of the temperature switch on those compressors.

Step 1:

Remove the outlet hose (1) from the 90 degree fitting and then remove the 90 degree fitting (2) from the compressor.

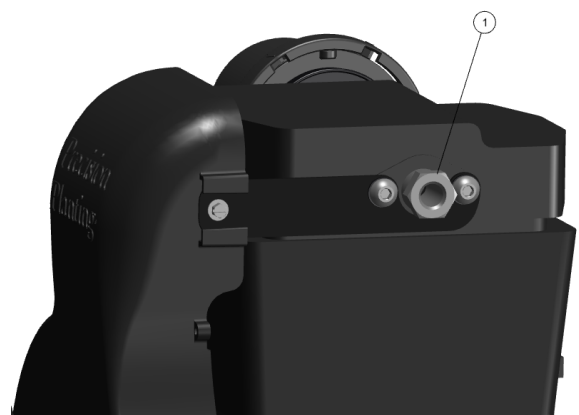


Note: Kit 756541 comes with three fittings; one 1/2" NPT x 1/4" NPTF reducer (1), one 1/4" NPT tee (2), and one 1/4" NPT x 3/8" JIC adapter (3). **Install PTFE tape (or equivalent thread sealant) on all NPT male threads, including the temperature switch. Leave the first two threads bare when applying PTFE tape or thread sealant (if possible).**



Step 2:

Install the 1/2" x 1/4" reducer (1) into the compressor outlet as shown. Tighten the fitting 1.5 to 3 turns past finger tight.



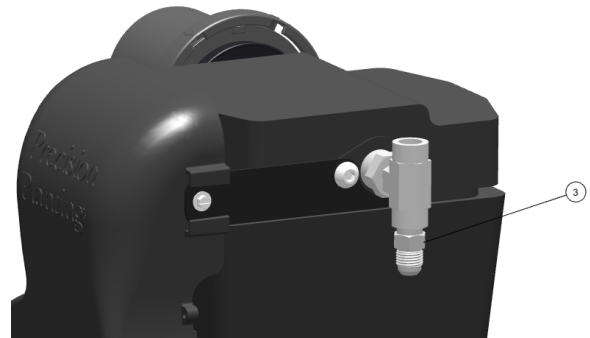
Step 3:

Install the 1/4" tee (2) into the reducer, aligning the female connections vertically. Tighten the fitting 1.5 to 3 turns past finger tight.



Step 4:

Locate the 1/4" NPT x 3/8" JIC adapter (3) and install the 1/4" NPT thread into the bottom connection of the 1/4" tee. Tighten the fitting 1.5 to 3 turns past finger tight.



Step 5:

Reconnect the outlet line to the 3/8" JIC connection. The 45 degree fitting on the tank inlet may need to be clocked in order to properly reinstall the outlet line. **ONLY** tighten the fitting if clocking is needed. **DO NOT** loosen the fitting.

Step 6:

Install the temperature switch into the top connection of the 1/4" tee. Tighten the switch 1.5 to 3 turns past finger tight. **Do not over tighten.**



Step 7:

Refer to step 3 in the previous section to connect harnessing and finish the installation.