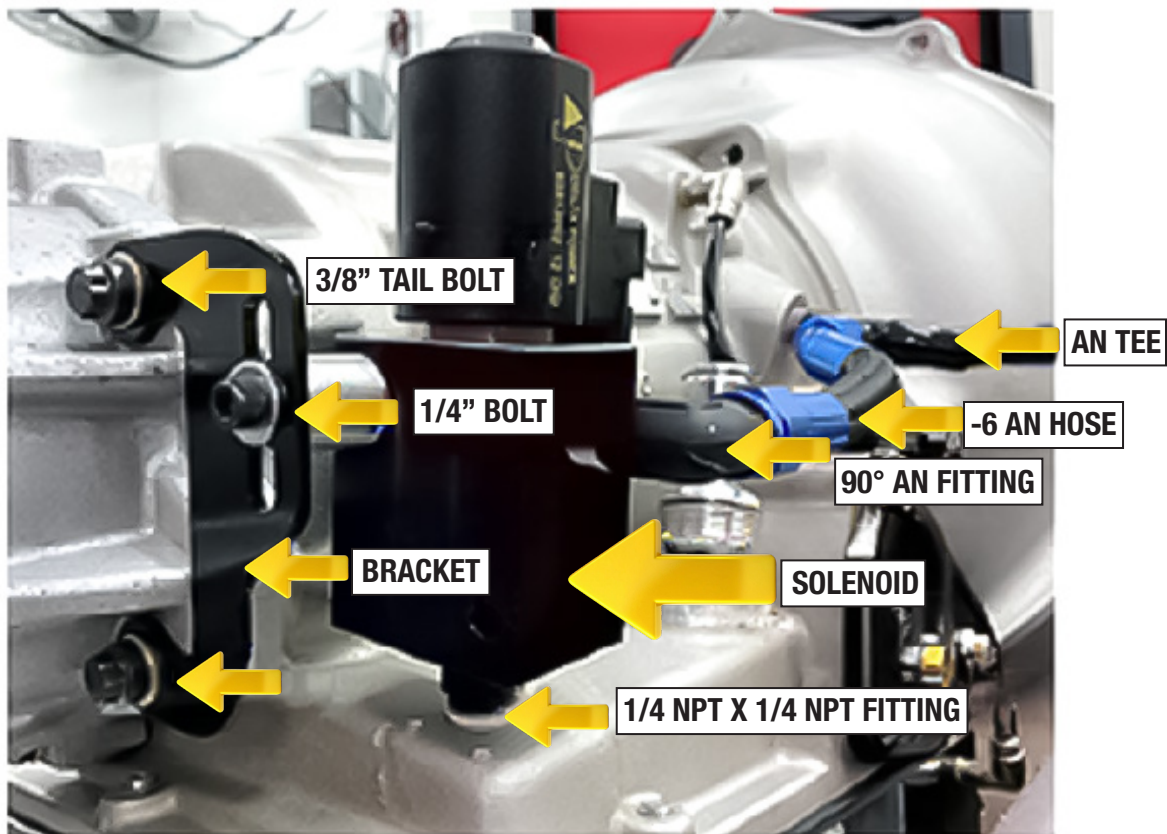


## POWERGLIDE EXTERNAL COOLER PRESSURE DUMP KIT #206451

**EXTERNAL PG DUMP – FOR NON SCS-30 PG'S ONLY!**

**PARTS LIST:**

Part#	Description	Qty	Part#	Description	Qty
960127	-6 AN Tee.....	1	953041	1/4 Washer.....	2
960123	90 Deg Male -6 AN Fitting.....	1	953025	5/16 Washer.....	1
960124	Hex Plug.....	1	952013	1/4 - 28 Nut.....	1
402301	Solenoid.....	1	925019	Solenoid Bracket.....	1
960128	1/4 NPT X 1/4 NPT straight fitting.....	1	940431	Terminal - 22-18 AWG.....	1
203016	Aluminum Solenoid Spacer.....	1	966200	-6 AN Hose Assy.....	1
951341	1/4 - 28 X 3 Bolt.....	1	960134	-6 AN Cap.....	1



- SOLENOID OFF (NO 12V): PORT #1 CLOSED
- SOLENOID ON (12V ON): PORT #1 OPEN TO PORT #3. FLUID DIRECTED TO REAR OF CASE

- This kit assumes you have -6 AN cooler fitting already installed in your transmission.
- If your Transmission does not run an external cooler, you will need to install (1) -6 AN fitting in the out port.
- Use the provided AN cap on the tee if you do not run a transmission cooler.
- Use Teflon paste on all NPT fittings only. -6 AN fittings do not require any sealant.

## Instructions:

- 1) Verify you have all the parts in the above packing list
- 2) Install the -6 AN to 1/4" NPT 90° fitting (960123) into port #1 on the black aluminum solenoid block (402301) and orient it so that it points to the "out" cooler port.
- 3) Install the 1/4 NPT to 1/4 NPT straight fitting (960128) into port #3 on the black aluminum solenoid block (402301)
- 4) Install the -6 AN to 1/4" NPT plug (960124) into port #2 on the black aluminum solenoid block. (402301)
- 5) Remove the (2) passenger side tail housing bolts.
- 6) Attach solenoid bracket (925019) to the case, using the (2) bolts, through the tail housing. Torque to 25 FT/LBS.
- 7) Install (1) 1/4 - 28 X 3" bolts (951341) through bracket (925019) using (1) 1/4" washer (953041) under the head, through the provided spacer (203016), and through the solenoid block. install washer (95304) and nut (952013). Loosely tighten nut for step 8.
- 8) With the solenoid winding facing up, slide the whole block assembly towards the case so that the 1/4 NPT fitting is resting flat on top of the case. Scribe a mark around the 1/4 NPT fitting in the top of the trans case.
- 9) Remove the (2) tail housing bolts
- 10) Remove the solenoid assembly.
- 11) Find the center of the scribe mark made in step 8.  
Drill and tap to 1/4 NPT on center mark.  
When drilling, ensure that you drill 90° to the pan rail, not to the case surface you are drilling through.
- 12) Reinstall solenoid assembly by screwing the 1/4 NPT fitting into the case into the tapped hole made in step 10.
- 13) Reattach the tail housing bolts going through the solenoid bracket 1<sup>st</sup>. Tighten to 25 ft/lbs.
- 14) Tighten the bracket to solenoid 1/4" bolt to 9 ft/lbs.
- 15) Install the 90° degree -6 AN swivel "tee" (960127) to the transmission existing -6 AN cooler outlet fitting. Before fully tightening the fitting, orient the one outlet so it faces the solenoid block (402301). Tighten down the fitting.

