



BLK90520 GEN 5 LT Swivel Thermostat Housing

1) Remove existing Thermostat Assembly from the LT Housing.

Remove the existing thermostat housing gasket and set aside.

If you chose to replace this the Part numbers are:

- GM P/N 12620318
- FEL-PRO P/N 36106
- Mahle P/N C32719

Next hold the thermostat assembly and push down on the thermostat top as shown until the aluminum tabs bottom out in the slot. Then twist to release the top and freeing the spring and thermostat from the plastic OE housing.

2) Install Thermostat, Spring and Top into the new Billet Thermostat Housing Bottom (90520L).

Install the thermostat and spring into the silver thermostat housing bottom (90520L).

Next place the thermostat top into the spring and compress the spring and top until it is possible to twist the thermostat top into the thermostat housing bottom and release tension. (reverse of disassembly)

Make sure the thermostat top is firmly seated like the OE assembly was.

3) Install Steam Vent Tube into Thermostat Swivel top assembly (90520F).

Thread the steam vent tube into the thermostat swivel top assembly and tighten. 5 in-lbs. is recommended for the 1/16" National Pipe Thread. **Do Not Over Tighten! In-lbs. are different than ft-lbs.**

4) Install Thermostat Bottom assembly into Thermostat Swivel top assembly.

First make sure the O-Ring is seated in the groove properly as unpacking and thermostat install can dislodge the O-Ring located on the back of the thermostat housing (90520L). *A little bit of petroleum jelly helps hold it in place if necessary.*

Next - line up the steam vent holes, this helps the two assemblies to locate onto each other. There is an alignment bump that only allows the two assemblies to connect one way. (Figure 1)

Holding the two assemblies together, carefully install the thermostat housing gasket. Rotate the flange to the approximate location of the factory housing.

5) Install Thermostat assembly onto water pump.

Using the three M6 x1.0 x 16mm socket head cap screws, attach the thermostat housing to the water pump. Finger tighten only at this time enough to keep the assembly together with the ability to rotate the water neck to the position you need. Once the location is achieved tighten the M6 cap screws to 14.7NM or 11 Ft-Lbs.

