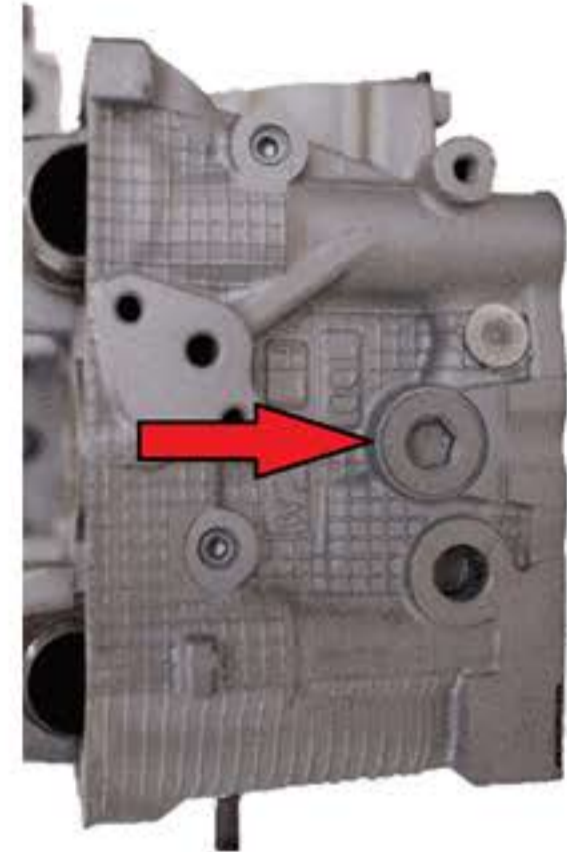


## Installation Instructions

Please read all instructions before attempting installation.

1. Drain cooling system and retain coolant. If you are planning on running new coolant please be respectful of the environment and dispose of used coolant properly.
2. Using a 12mm hex key ("allen wrench") socket, remove the plug shown from the rear of the LH cylinder head (the side opposite the turbocharger). This can be done from above or below the car. If you have a TMIC, you can choose to do it from below.
3. Thoroughly clean and dry the threads in the cylinder head and the fitting. A wire brush and a quick drying solvent such as acetone can be beneficial at this time. **THIS IS IMPORTANT TO PREVENT LEAKS.**
4. Apply sealant to the threads of the Coolant Mod fitting. **IMPORTANT: Sealant must dry to ensure a leak free seal.** Permatex offers a 1 minute gasket maker in both grey (#25238) and black (#25229). If you cannot allow 12-24 hours for regular Permatex Ultra Grey sealant to cure, I recommend using the 1 minute gasket maker.
5. Thread in fitting to head and tighten with a 1" crow's foot or wrench. The fitting does not need much torque. Remember the threads in the head are aluminum and the sealant will act similar to Loctite and reduce the chance of the fitting ever backing out.
6. Locate the return hose from the heater core. This is the 5/8" hose that attaches to the black metal pipe extending from the back of the engine (outboard most pipe). This pipe goes directly to the suction of the water pump.
  - a. If installing in a 2007 or older Subaru, you will need to cut the provided silicone hose-using a razor blade, hose cutter, shears or sharp scissors-to 6.5in(165mm)-scale below. Overall length-with fitting- should be just under 7.5in(190mm). Next you can cut your heater hose 1" passed the black steel pipe or use the remaining hose you just cut to connect the T to the heater core line.
  - b. If installing in 2008 or newer Subaru: The T will fit in the heater hose as it travels near parallel with the firewall. The heater hose has an insulated cover in this area. Mock up the location of the T and cut the heater hose in the appropriate location. You will need to slide the insulation down the hose, or remove it, to allow for installation of the hose clamps.
7. Slide hose clamps onto heater hose and install T.
8. Position and tighten hose clamps.
9. Look over the installation and ensure the hoses are not going to interfere with any components like steering linkage.
10. If sufficient time has passed for the sealant to cure, fill and burp the cooling system.



CONGRATS! You're done.

6.5in

