



CTS FSI/Golf R Throttle pipe Install Instructions



Included in the kit: Intake pipe, 2 hose clamps, 2 M8 bolts, 1 water/meth bung plug, 1 silicon pipe connector (if installing on GTI/Jetta, you will receive a 1 hose clamp, 1 silicon pipe cap).

Have the following tools at hand:

- Ratchet with 8mm and 10mm socket
- Philips screwdriver
- Flathead screwdriver
- Silicone lubricant
- T30 torx bit
- Pipe clamp remover

Make sure the car is cooled off before starting the install.

Step 1: Remove engine cover along with airbox.



Step 2: (Golf R installation only) Undo the pipe clamp holding the diverter valve to the rubber intake hose and pull free. Using a T30 torx bit, undo the single bolt holding the diverter valve to the bracket. Unclip the sensor connector. Release the 2 pipe clamps holding the silicone connector to the throttle pipe, pull both the valve and the silicone off the pipe.



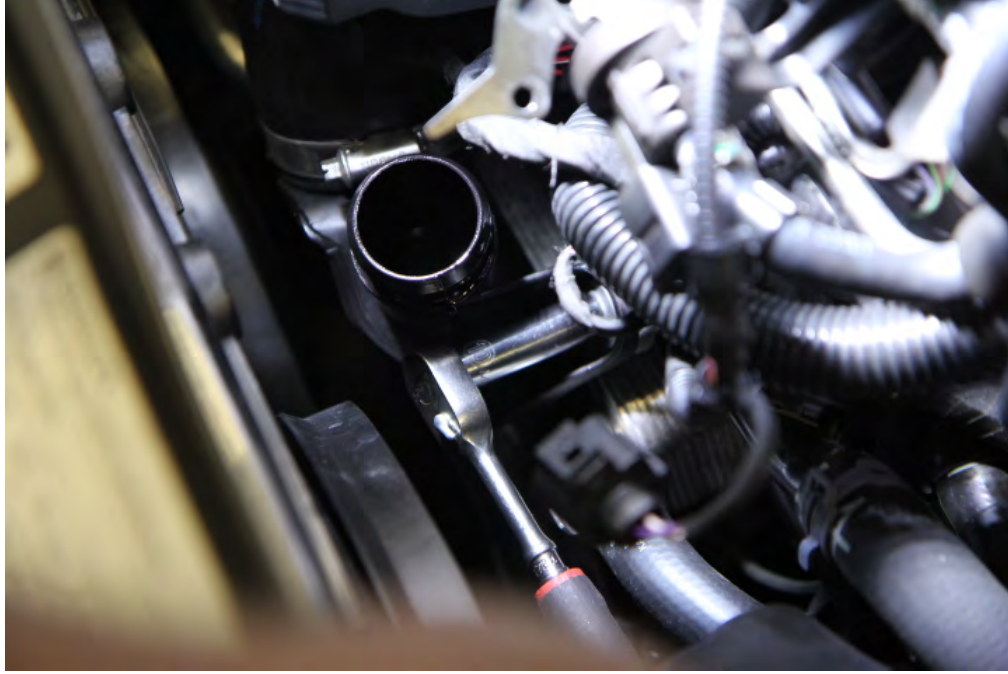
Step 3: Using a ratchet with an 8mm socket, loosen the 2 hose clamps at the top of the throttle pipe connecting it to the throttle body.



Step 4: Pull the connector off of the the MAP sensor located halfway down the stock throttle pipe.



Step 5: Using a ratchet with a 10mm socket, undo the bolt holding the top bracket of the throttle pipe to the engine.



Step 6: With the car up on a hoist or on jackstands. Use a T30 Torx bit to remove the bolt holding the bottom bracket of the throttle pipe to the engine.



Step 7: Using a flathead screwdriver or 8mm socket, loosen the 2 hose clamps holding the rubber hose to the bottom of the throttle pipe and the intercooler. Pull the hose free.



Step 8: Wiggle the entire throttle pipe assembly down and out of the car.



Step 9: Transfer the bottom mounting bracket hardware (rubber bushing with metal sleeve) to the new throttle pipe. Using a Philips screwdriver, remove the MAP sensor off the old pipe. Reattach to the new pipe using an 8mm socket and the supplied bolts.

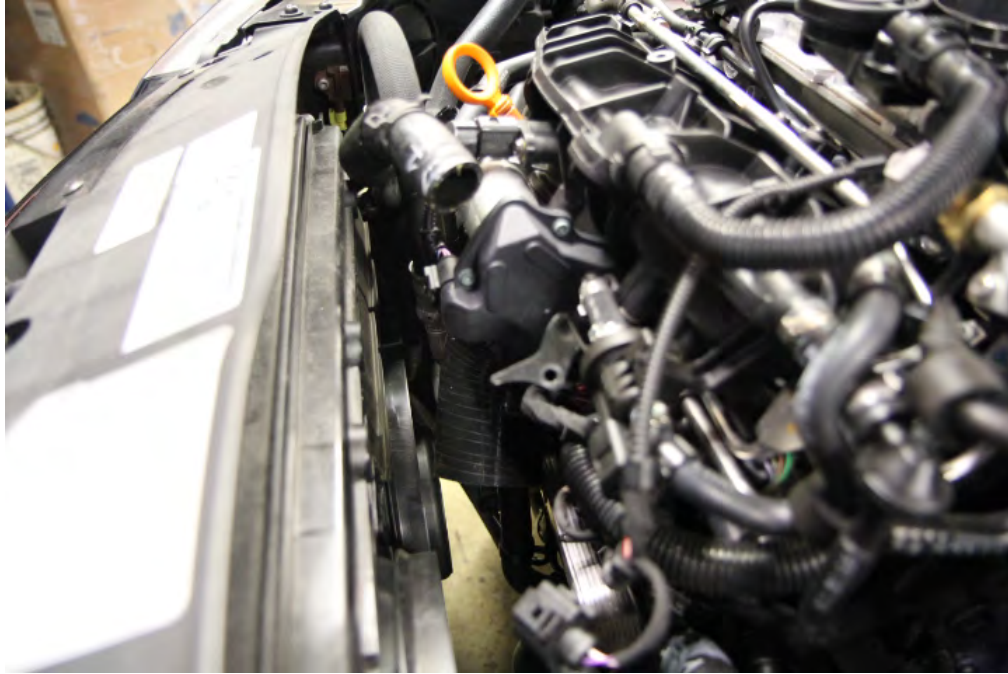




Step 10: Using an allen wrench, thread the plug into the new pipe (can use teflon tape or sealant if necessary).



Step 11: Manouver the included silicon onto the throttle body with the short bend pointing up. Use an 8mm socket to tighten one of the included hose clamps onto the silicon joining it with the throttle body.



Step 12: Place the second hose clamp loosely over the top of the throttle pipe and feed the pipe up from the bottom inserting it into the upper silicon hose. Tighten the hose clamp over the silicon and pipe joining the throttle pipe to the throttle body.



Step 13: Using the T30 Torx bit, reattach the bottom bracket of the throttle pipe to the engine.



Step 14: Plug in the MAP sensor connector

Step 15: Reinstall the bottom rubber hose. Tighten down the 2 hose clamps joining the silicon to the bottom of the throttle pipe and intercooler. Use silicon lubricant to help slide things together.



Step 16: Reverse step 2 to reattach the diverter valve to the intake. Reinstall your engine cover with airbox. You are done!

