



## CTS TSI Throttle pipe Install Instructions



**Included in the kit:** High Flow Throttle pipe, 2 hose clamps, 2 M6 bolts, 1 water/meth bung plug, 1 silicon pipe connector.

### **Have the following tools at hand:**

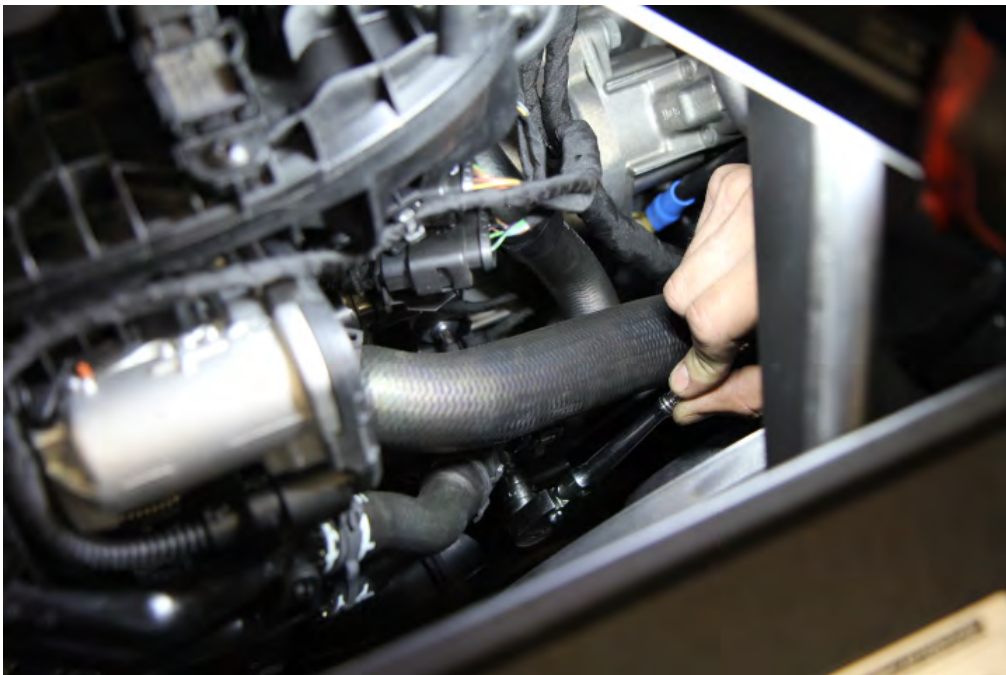
- Ratchet with 7mm, 8mm socket and extension
- Flathead screwdriver
- Silicone lubricant
- T20 torx bit
- T25 torx bit
- T30 torx bit
- 3/16 allen wrench
- Phillips screwdriver
- 5mm allen wrench

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

**Step 1:** From the top of the engine bay, unplug the map sensor from the OEM throttle pipe.



**Step 2:** Using a ratchet with a T30 torx bit, Loosen the top bolt of the OEM bracket.



**Step 3:** Using the 7mm socket, undo the top gear clamp at the top of the OEM rubber hose.



**Step 4:** Raise the car on jackstands or hoist. Use the T25 torx to remove the 8 screws holding the belly pan to the subframe.





**Step 5:** Using the 7mm socket, undo the bottom gear clamp at the base of the OEM throttle pipe. Pull the rubber hose free of the pipe.



**Step 6:** Using the T30 Torx, undo the bottom bracket bolt holding the throttle pipe to the engine.



**Step 7:** Use the flathead screwdriver to unclip the OEM wiring harness from the pipe bracket.



**Step 8:** Wiggle the OEM pipe free of the car.



**Step 9:** Use the T20 Torx to remove the MAP sensor from the OEM pipe and use the supplied M6 allen bolts to reinstall in the supplied high flow pipe. Take note of the plug direction on the pipe. Utilize lubricant while reinstalling the MAP sensor into the new pipe to avoid tearing the o-ring. Use the 3/16 allen to install the supplied meth bung plug into the pipe.





**Step 10:** From underneath the car, install the supplied replacement silicone hose connector to the base of the throttle body. Slip one of the supplied gear clamps over the silicone and tighten with the 8mm socket.



**Step 11:** Place the second gear 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. Insert the base of the pipe into the OEM rubber hose and tighten down the OEM gear clamp.

**Step 12:** Reverse steps 5, 4 and 1 to complete the installation

**You are done!**

**ETS  
TURBO**