



CTS TSI Throttle pipe Install Instructions



Included in the kit: Turbo Outlet pipe, 2 hose clamps, 1 Billet turbo to silicon outlet, 1 2.5in silicon hose.

Have the following tools at hand:

- T25 torx
- T30 torx
- Screwdriver
- Ratchet
- 8mm socket
- Hoist, hydraulic jack, jackstands.

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

Step 1: With the vehicle raised up on jackstands or a hoist, remove the 8 T25 torx bolts holding the engine pan to the bottom of the vehicle.



Step 2: Remove the 7 T25 torx bolts holding the passenger side lower inner fender liner to the car. Note that 2 of the torx bolts are under the front bumper cap. Pull the liner free.



Step 3: Use your screwdriver to pop the retaining clip off of the rubber intercooler hose then separate the rubber hose and plastic pipe.



Step 4: Use the T30 torx bit to remove the 2 bolts holding the plastic pipe to the engine.



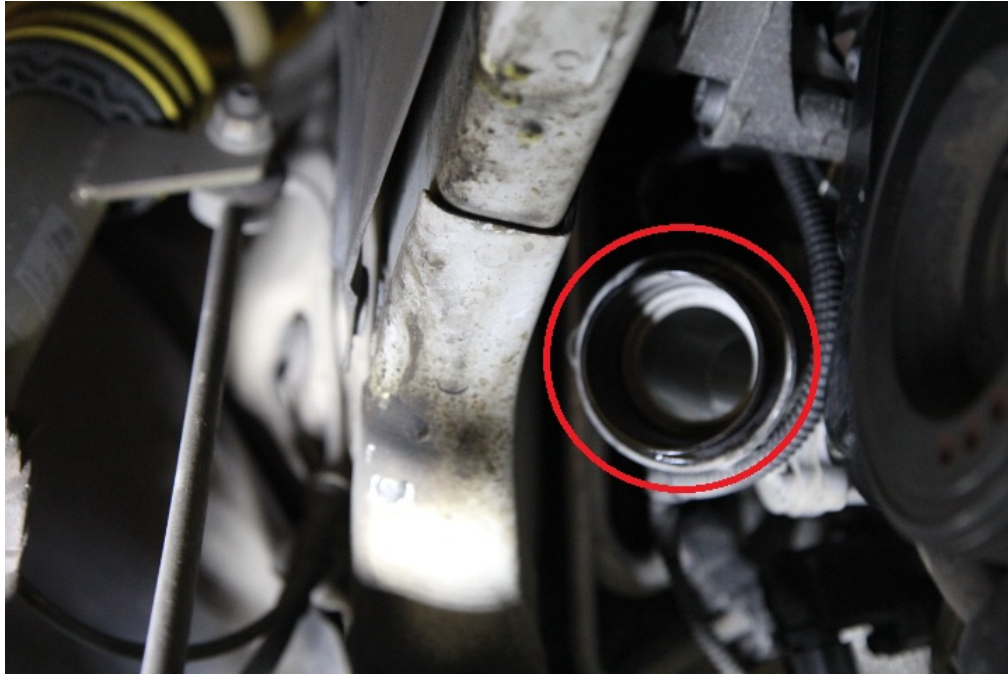
Step 5: Using the screwdriver, pop the retaining ring off of the upper pipe joint then pull the plastic discharge pipe off of the vehicle.



Step 6: Transfer the square o-ring from the old Turbo connector to the supplied billet outlet replacement.



Step 7: Reinstall the retaining ring onto the turbo, then snap the new billet outlet into place.



Step 8: Pull out mounting screws and rubber gromets from the old discharge pipe and reinstall into new pipe.



Step 9: Slip the 2 hose clamps onto the silicon connector then slip the silicon connector onto the discharge pipe. Loosly tighten both of the clamps on either end of the silicon to avoid slipping.



Step 10: Manouver the outlet pipe into position sliding the silicon over the turbo connector. Tighten the hose clamps over the silicon.



Step 11: Reinstall the 2 T30 torx bolts holding the pipe to the engine.



Step 12: Reinstall the rubber intercooler hose with the retaining clip. Reinstall the inner fender liner and engine pan. You are done!

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TURBO**