



**CTS Turbo BMW Air Intake Install Instructions (2013 BMW 335i A/T shown)**

**Part number CTS-IT-800-20, CTS-IT-800-30**



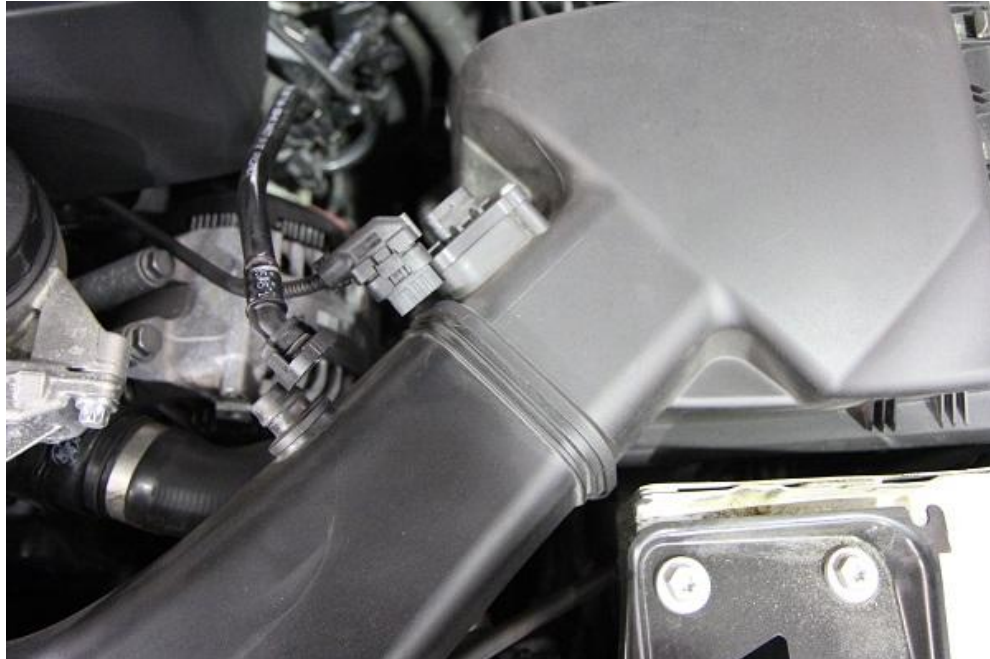
NOTE: These steps are the same for manual and automatic transmission vehicles, F20/F21/F22/F23 and F30/F32/F33 generations.

Have the following tools on hand:

- T20 torx
- 10mm wrench and 10mm deep socket
- 7mm and 8mm nut drivers or sockets
- Flat and Philips screwdrivers

Note: make sure the vehicle is cold before working on it. NEVER work on a hot engine.

Step 1: Loosen factory clamp on the stock intake (7mm), unclip and remove breather line (if equipped) and MAF connector. Unclip 4 metal clips holding the airbox together. Remove factory intake tube.



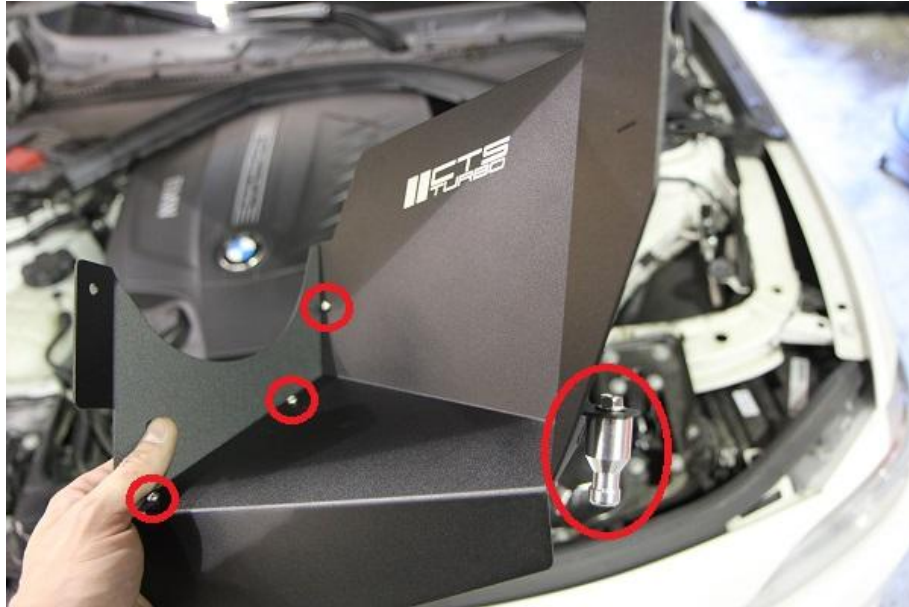
Step 2: Remove the factory air filter and bottom portion of the airbox. Pull straight up, it is held in by rubber grommets.



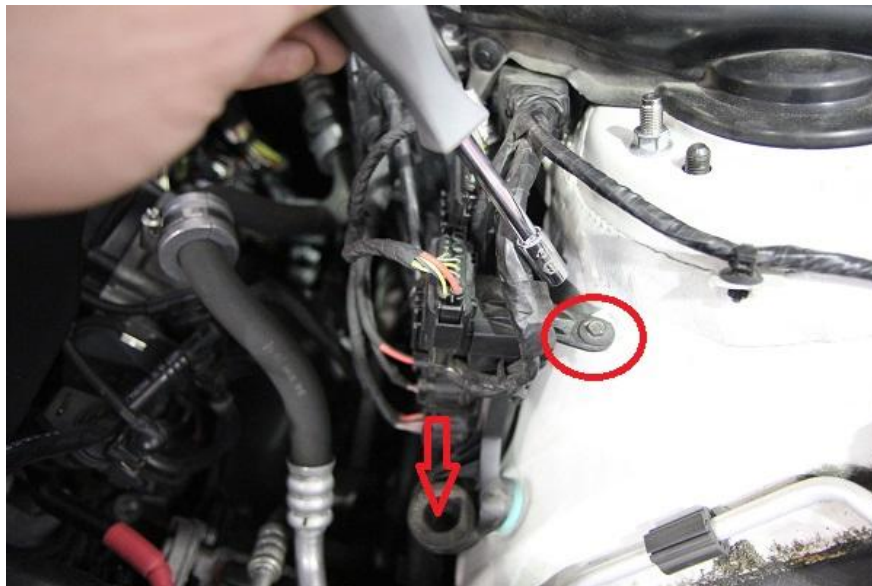
Step 3: Transfer the rubber grommet from the front of car onto the CTS intake tube. Install the intake tube CTS-IT-880 on the vehicle. Do not tighten clamp yet.



Step 4: Assemble the heatshield, CTS-HS-800-1 + CTS-HS-800-2 using supplied screws. Extra screws are included just in case. Note that smaller heatshield goes UNDER the larger one. Attach mounting stud with supplied 10mm bolt.



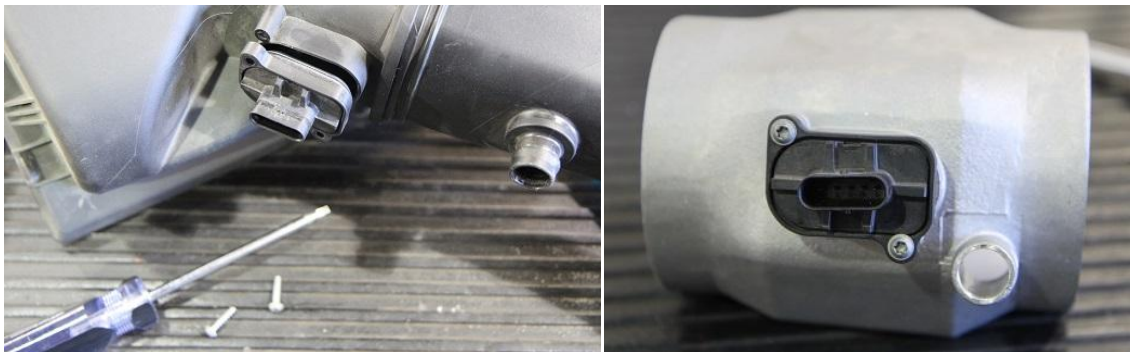
Step 5: locate and remove 8mm screw next to the strut tower. Install heatshield using the small screw you just removed and make sure mounting stud is installed in the factory grommet indicated by arrow.



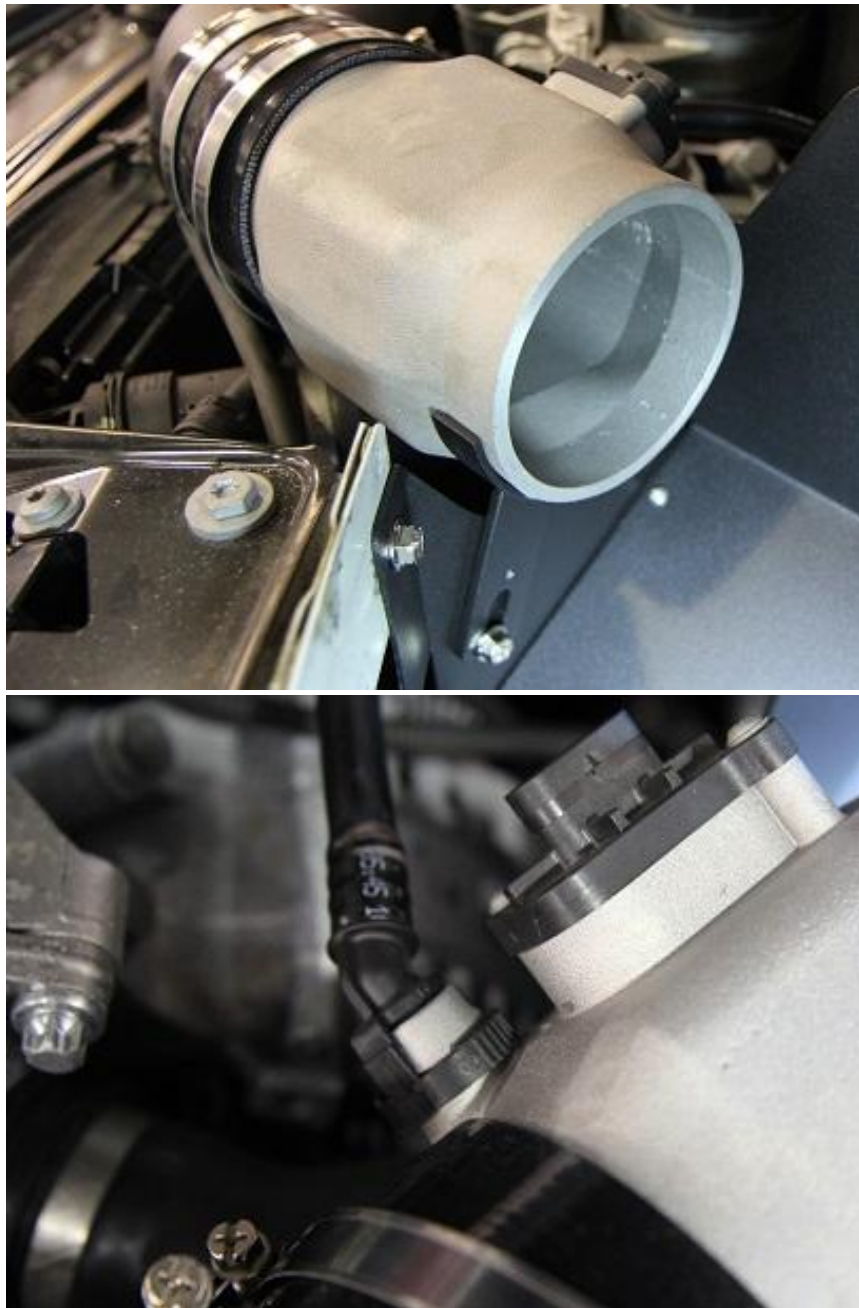
Step 6: Attach the front of heatshield using 10mm bolt and nut. There is a hole on the front where the heatshield will line up. Reach into the opening to secure the nut. Note: lower factory airduct will remain installed on the vehicle.



Step 7: Transfer the MAF sensor from factory intake to CTS MAF housing using T20 torx. Be careful when handling the sensor. Small amount of lubrication on the sensor o-ring will make the install easier.



Step 8: Install the silicon coupler, MAF housing and the MAF support bracket (CTS-HS-800-3). Connect breather line, if equipped, otherwise leave the black cap cover on. Do not tighten clamps yet, adjust MAF housing until everything lines up perfectly. Take your time, this is a crucial step.



Step 9: Install the air filter – filter will rest on the support bracket and clamp will go around the support and filter securing both. Tighten all clamps (8 and 7mm) starting on filter side, work your way over to factory clamp, make sure you line up all the components as shown. Reconnect MAF harness. Start the car and let idle for 5-6 minutes. Test drive and you're done!

