



INSTALLATION GUIDE

CTS Turbo Mercedes-Benz C400/C450/C43 AMG M276/W205 Intake System



WHAT IS INCLUDED

1. CTS heat shields
2. CTS High-Flow air filters
3. Silicone couplers
4. Hardware
5. Billet inlet adapters

Special Tools required:

1. E8 torx
2. E10 torx

NOTES

Vehicle used in this guide is a 2019 Mercedes-Benz C43 AMG. Other cars will follow the same steps.

Always make sure the car is safe to work on. Do not work on a hot motor.

NOTE: BEFORE YOU REMOVE ANY FACTORY PARTS FOR THIS INSTALLATION, KEEP THE KEY 30FT AWAY FROM THE VEHICLE AND WAIT AT LEAST 20 MINUTES TO ALLOW THE ECU TO GO INTO "SLEEP" MODE. DISCONNECT THE NEGATIVE BATTERY TERMINAL BEFORE INSTALLATION. DO NOT RETURN THE KEY TO THE VEHICLE UNTIL THE INSTALLATION IS COMPLETED AND BATTERY IS RECONNECTED. TAKING THESE STEPS WILL PREVENT THE "CHECK ENGINE LIGHT" FROM COMING ON DUE TO SENSORS BEING UNPLUGGED TOO SOON.

STEP 1

Remove the engine cover.



STEP 2

Disconnect the intake sensor connector from the stock intake on both sides.

****WAIT 10-15 MINUTES FOR THE CAR TO BE COMPLETELY ASLEEP, OTHERWISE IT WILL TRIGGER A CEL WHEN REMOVING THE PRESSURE SENSOR CONNECTOR.**



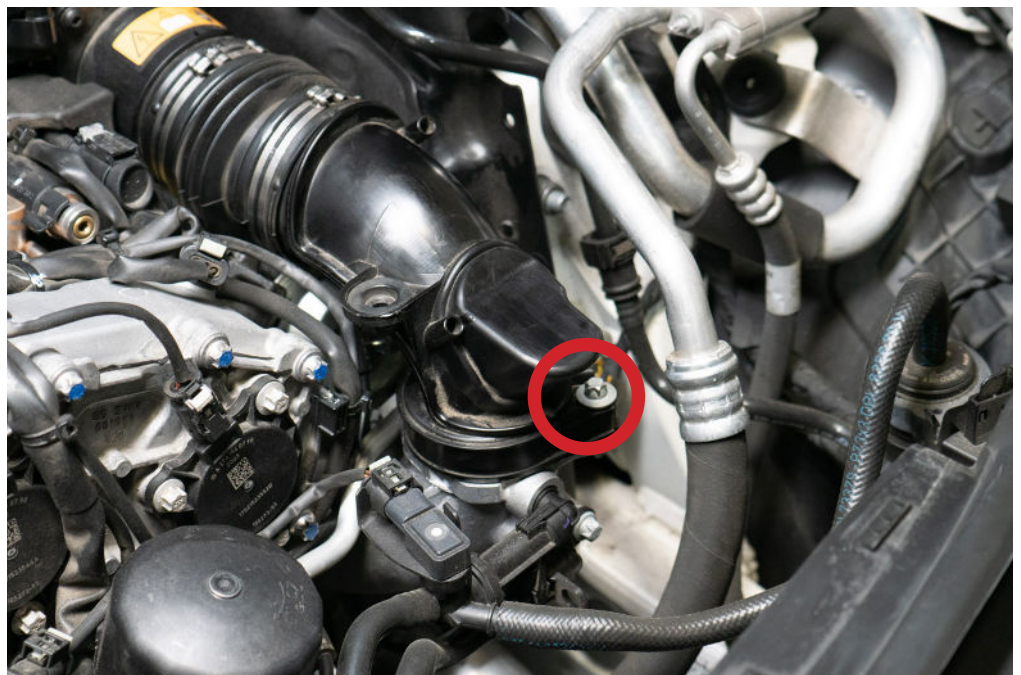
STEP 3

Remove the intake ducts.



STEP 4

Remove the E10 torx bolt at the turbo inlet, this is the same on both sides.



STEP 5

You can now lift and remove the stock air boxes.



STEP 6

Remove the foam shielding.



STEP 7

There are two E8 torx bolts that you need to remove indicated in the image. Repeat for the other side.



STEP 8

Install the billet inlet adapters with provided hardware.



STEP 9

Assemble the heat shields.

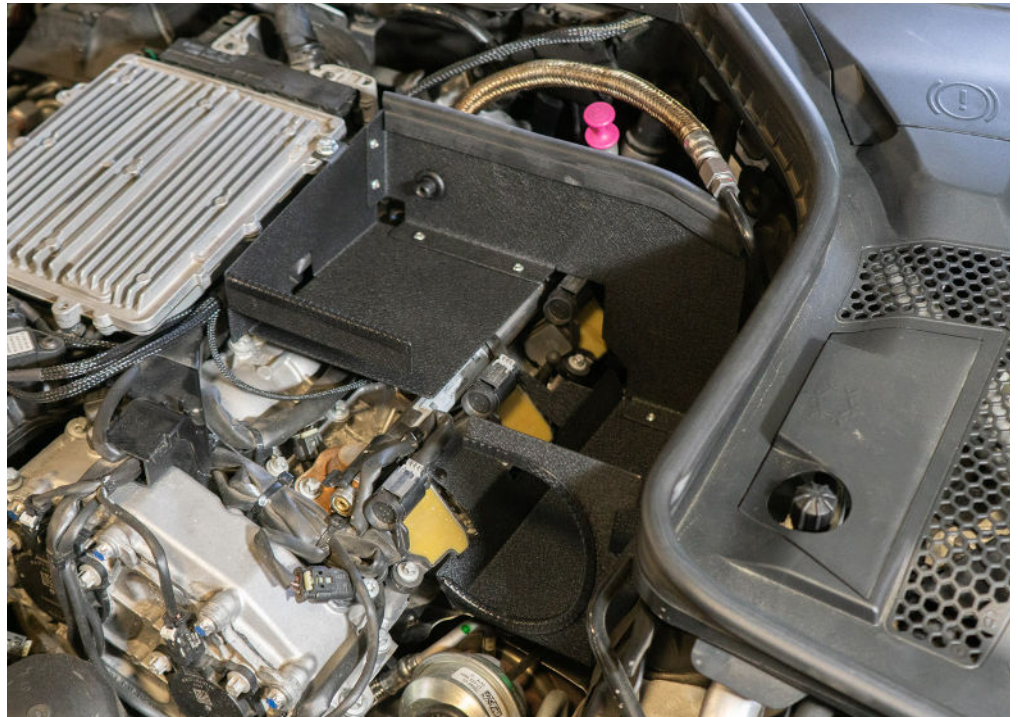


STEP 10



STEP 11

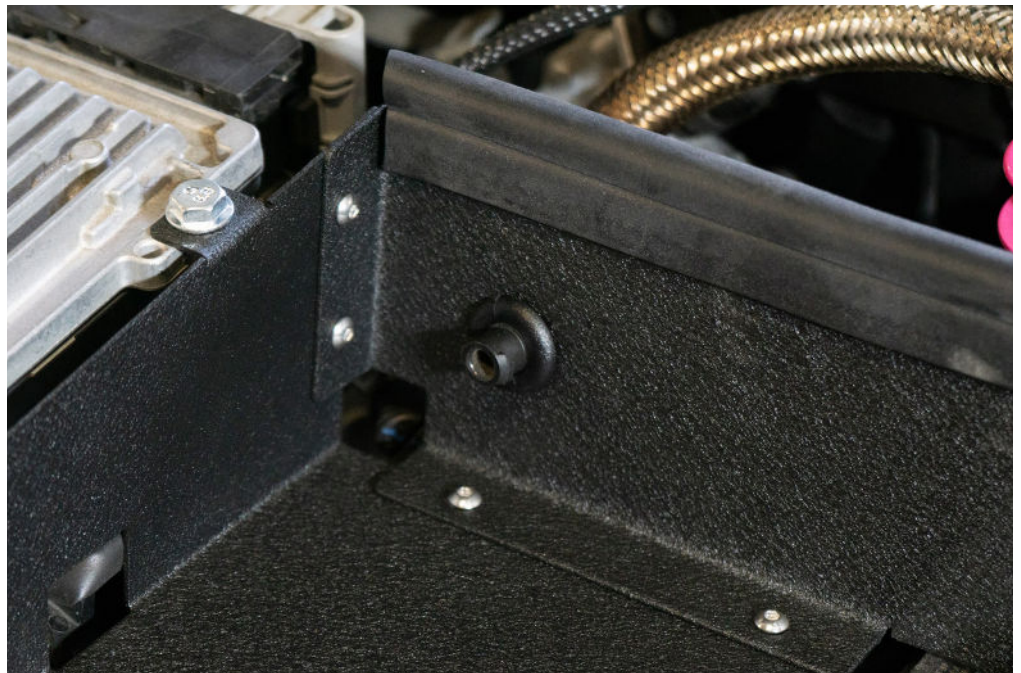
Install the heat shields. Reinstall the E8 torx bolts to secure the heat shields.



STEP 12

Remove the sensors from the OEM intake and install on the CTS heat shields.

Reconnect the electrical connectors.



STEP 13

Install the intake pipe and air filter. Ensure there is a about 1.25" (32mm) stick out.



STEP 14

The silicone couplers have two lengths. The longer side is used on the passenger side and shorter one on the driver side.

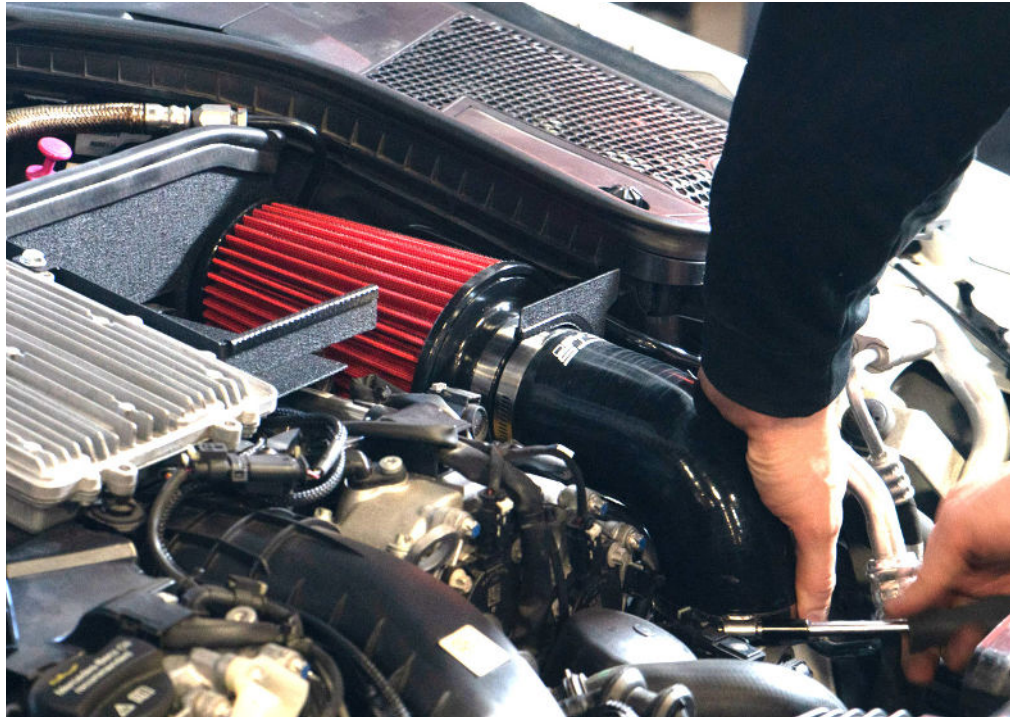


STEP 15

Install the air filter and silicone coupler with provided clamps.

Repeat for both sides.

****Ensure the silicone coupler is all the way on the billet inlet adapter.**



STEP 16

Reinstall the air ducts and engine cover and you are done.

