



INSTALLATION GUIDE

CTS TURBO CHARGE PIPE UPGRADE KIT FOR F20/F22/F30/F32
AND G01/G11/G30/G32 BMW B58 3.0L



WHAT IS INCLUDED

1. CTS CHARGE PIPE
2. SILICONE
3. CLAMPS
4. HARDWARE



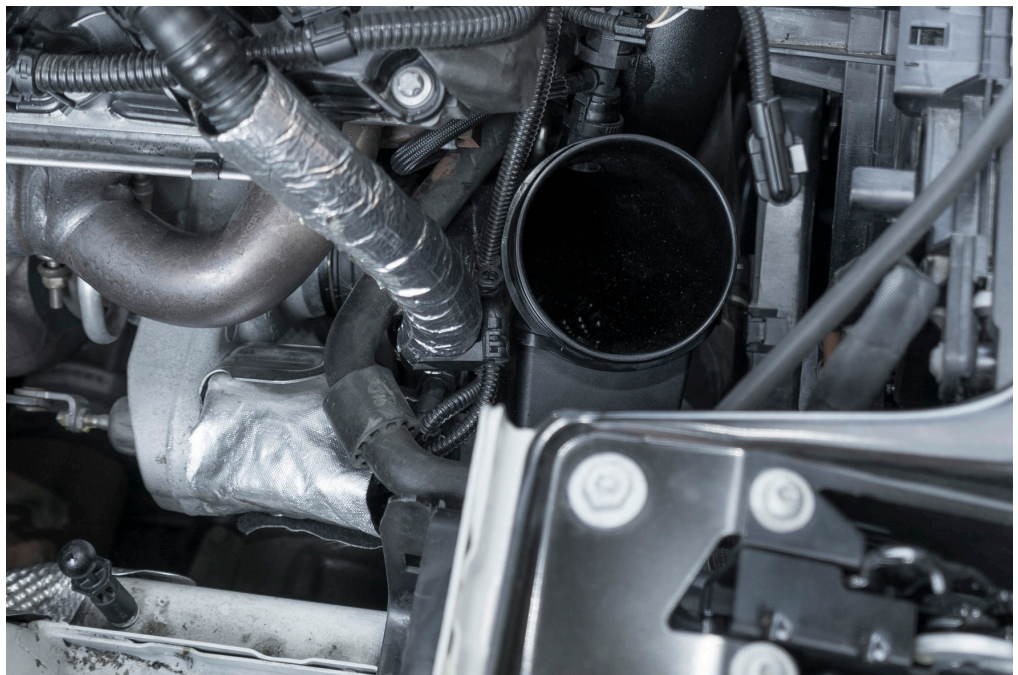
NOTES

Vehicle used in this guide is a 2016 BMW 340i Xdrive. Other cars will follow the same steps.

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

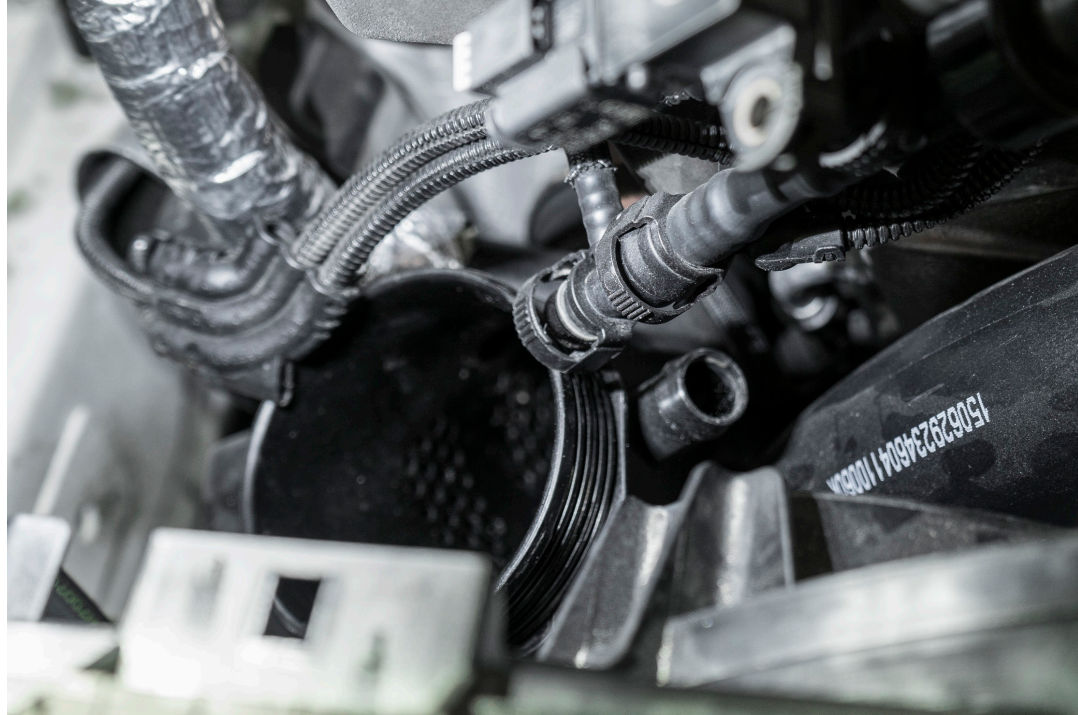
STEP 1

Remove the stock air box and inlet duct.



STEP 2

At the turbo inlet pipe you need to disconnect vacuum line.



STEP 3

Disconnect the electrical connector connected to the PCV hose attached to the side of the turbo inlet pipe.

Un-clip the harness connected to the turbo inlet pipe.



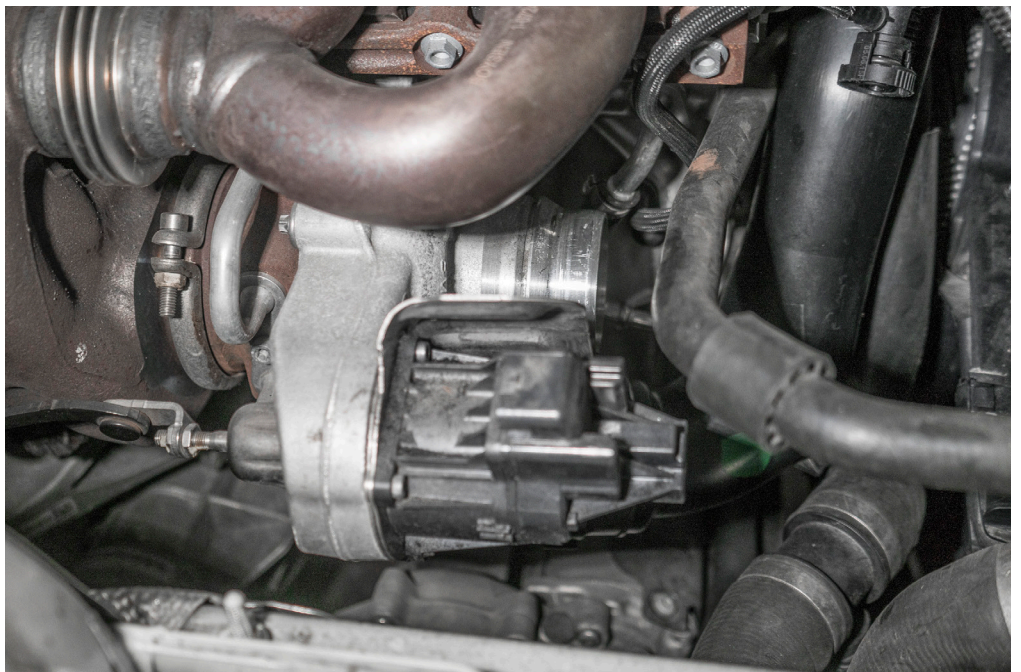
STEP 4

Remove the PCV hose located at the top of the valve cover.



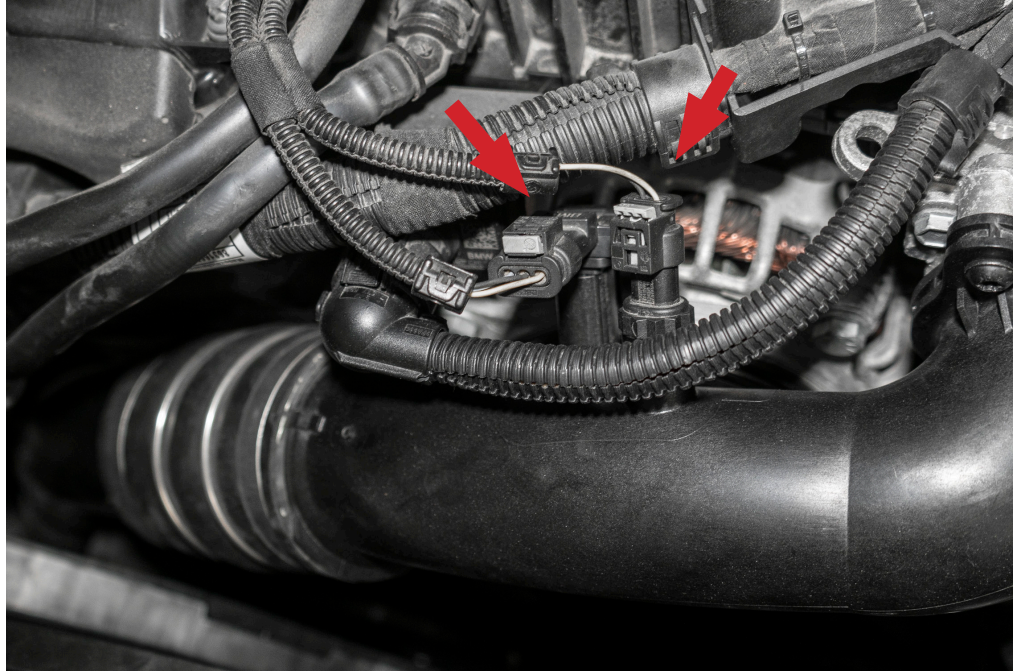
STEP 5

Remove the turbo inlet pipe. There is a spring clip you need to pull up to release it from the turbo.

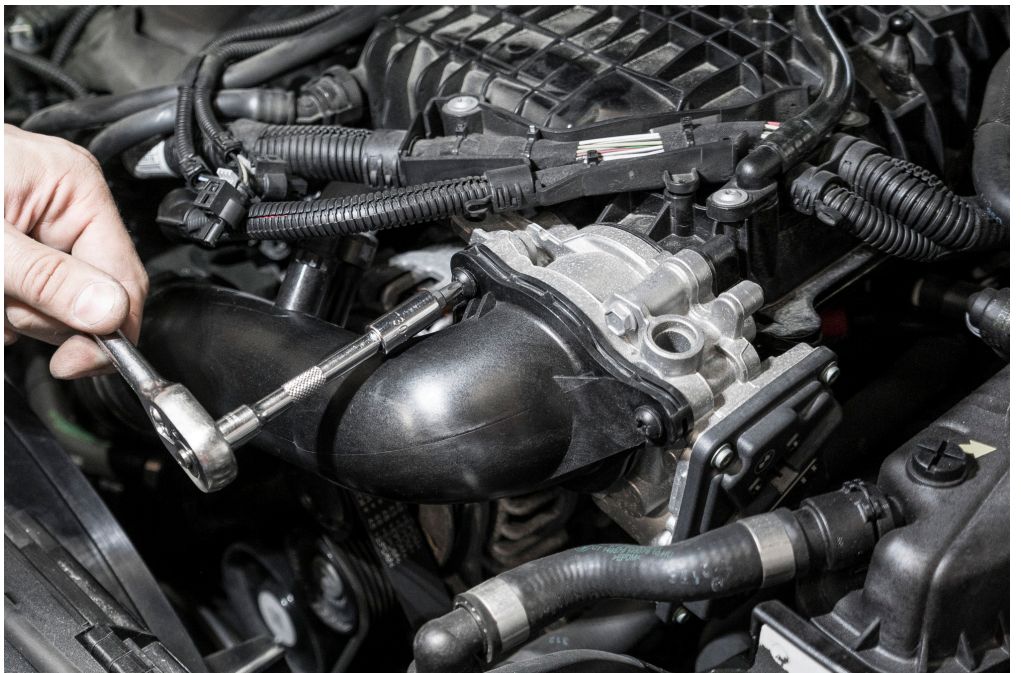


STEP 6

Disconnect the MAP and air temperature electrical connectors.

**STEP 7**

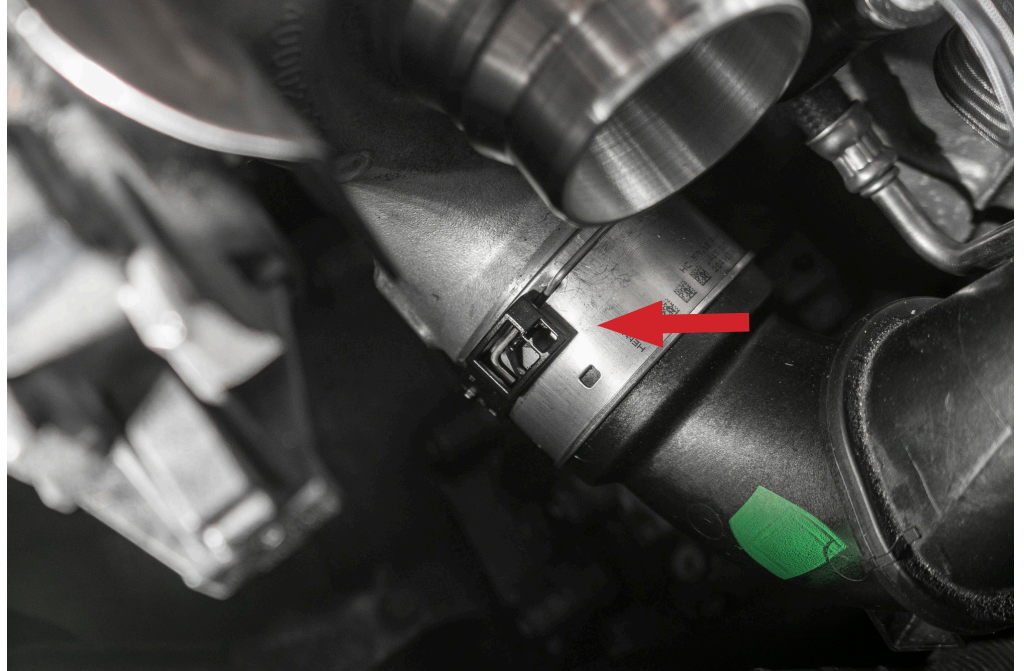
Remove the 3 screws securing the charge pipe to the throttle body.



STEP 8

Pry the plastic retainer on the charge pipe indicated by the arrow free from the lower end of the stock charge pipe.

You can now remove the stock charge pipe.



STEP 9

Change over the MAP and Air temperature sensor to the CTS charge pipe



STEP 10

Remove the o-ring from lower end of the stock charge pipe and insert into the lower end of the CTS charge pipe.

Do not install the spring clip yet.



STEP 11

Install the lower CTS charge pipe on to the turbo outlet.

Insert the spring retaining clip.



STEP 12

Install the upper part of the CTS charge pipe, silicone and clamps.

Reinstall the 3 OEM bolts to the upper charge pipe before tightening the clamps connecting the charge pipe.

Connect the electrical connectors.



STEP 13

Reinstall back from STEP 5 and you are done!

Make sure to do a last pass and check all electrical connectors, PCV and vacuum lines.

