



INSTALLATION GUIDE

CTS TURBO BMW F10 M5/M5C & F06/F12/F13 M6/M6C HIGH PERFORMANCE INTERCOOLERS



WHAT IS INCLUDED

1. CTS High Performance Intercoolers



NOTES

Vehicle used in this guide is a 2013 BMW M5. 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 intake system



STEP 2

Remove charge pipe.



STEP 3

Disconnect the vent pipe.



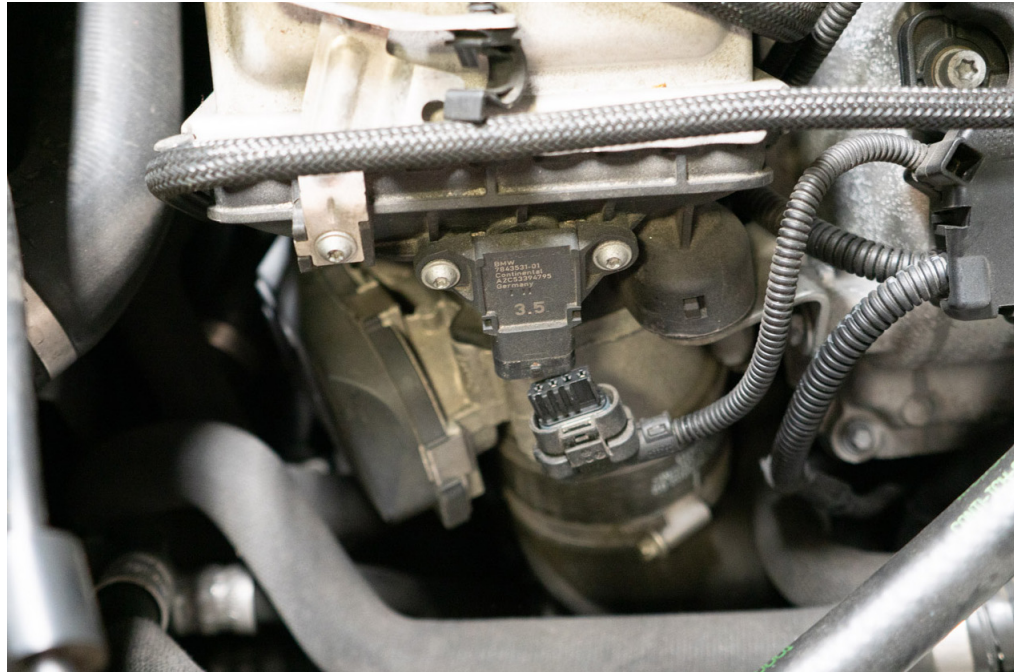
STEP 4

Disconnect the electrical connector, PCV line and grommet held to the bracket on the stock intercooler.



STEP 5

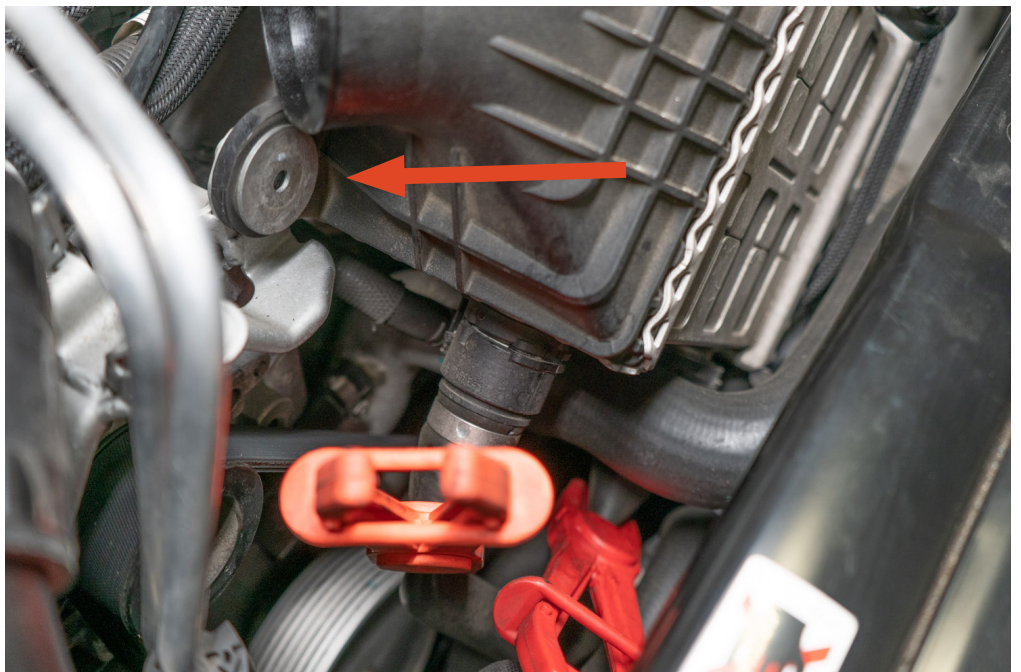
Disconnect the pressure sensor electrical connector.



STEP 6

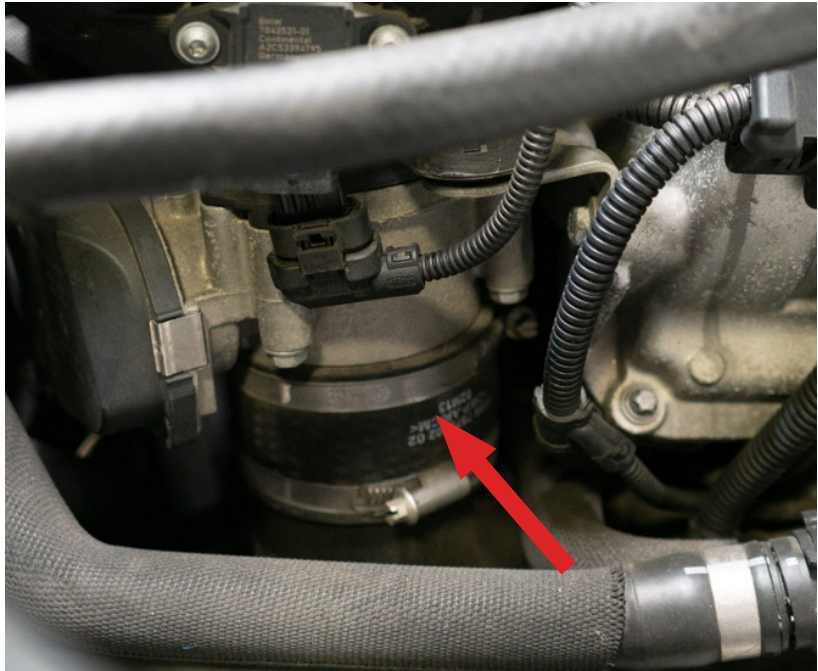
Clamp of the two lines shown and remove.

Remove the bolt indicated by the arrow.



STEP 7

Loosen the upper clamp indicated by the arrow.

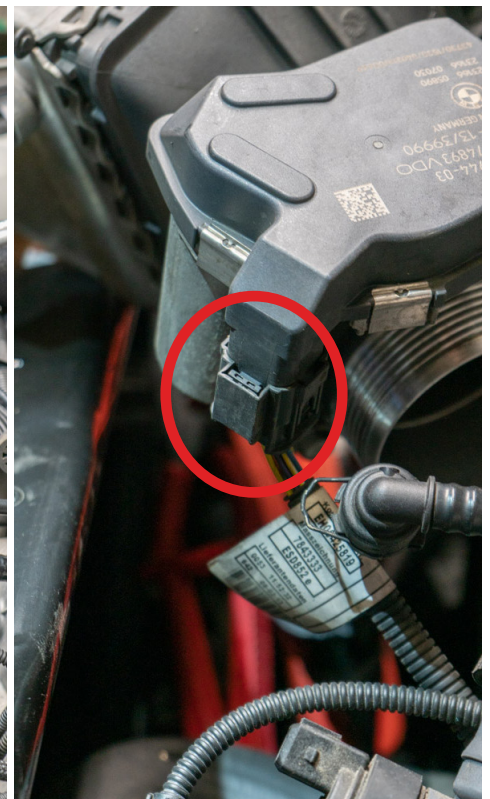


STEP 8

You can partially remove the intercooler.

Remove the electrical connector at the throttle body.

You can now fully remove the intercooler.



STEP 9

Transfer throttle body to the CTS intercooler



STEP 10

Transfer grommet to CTS intercooler



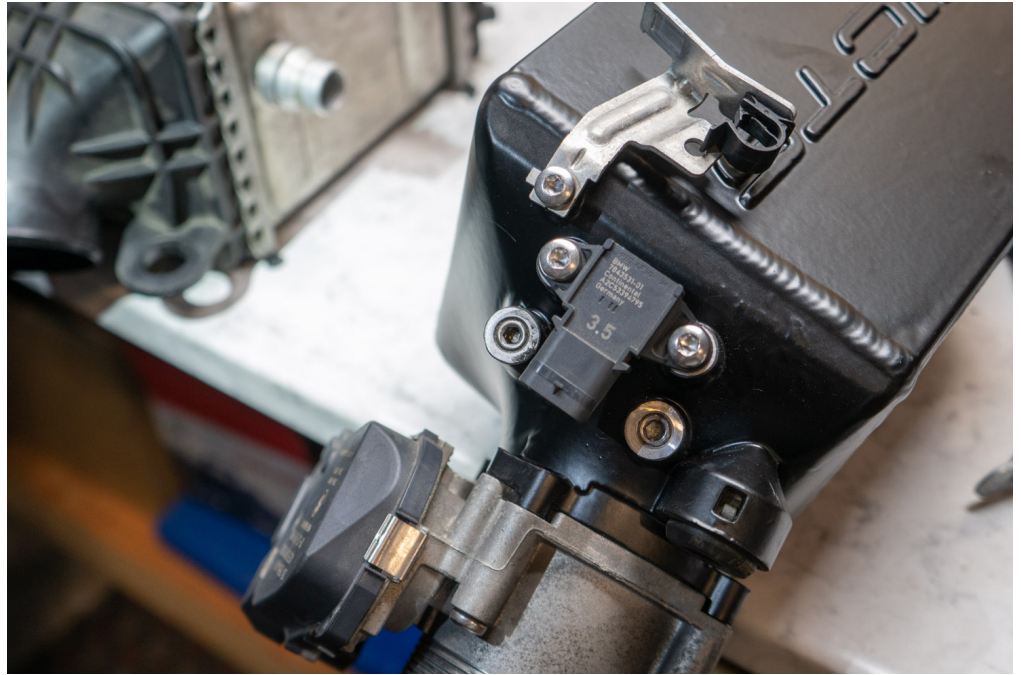
STEP 11

There is another grommet with steel inserts to transfer to the CTS intercooler



STEP 12

Lastly transfer the pressure sensor and bracket to the CTS intercooler



STEP 13

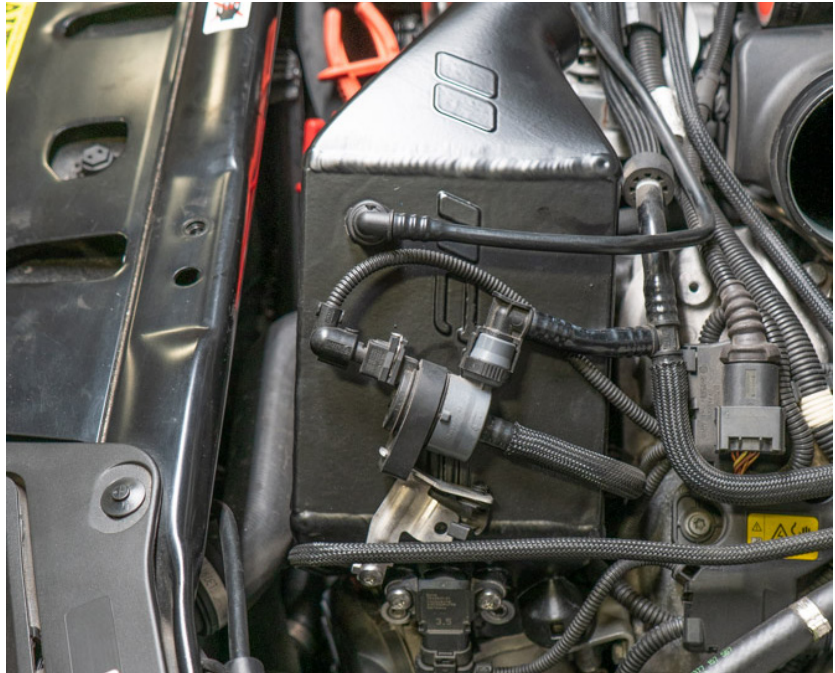
You are ready to install the intercooler. Ensure to reconnect the throttle body electrical connector.

Once seated. Tighten the upper clamp at the throttle body.



STEP 14

Reconnect sensors, PCV and vent line.

**STEP 15**

Reinstall bolt and washer to secure intercooler.



STEP 16

Reinstall charge pipe.

Repeat this process for the other side.

Reinstall the intake system and you are done.

