



INSTALLATION GUIDE

**CTS Turbo BMW N54
Chargepipe - BOV Kit with Meth Bung
CTS-IT-900**



20630 Mufford Crescent, Unit #309
Langley, British Columbia V2Y 2V9

www.CTSTURBO.com

WHAT IS INCLUDED

1. Chargepipe
2. Silicone Coupler
3. Hose clamps
4. Bypass Valve Blockoff
5. Blow Off Valve (included with BOV Option)
6. BOV Clamp (included with BOV Option)
7. O-ring (included with BOV Option)

**TOOLS REQUIRED**

1. Flat blade screwdriver
2. 6mm, 8mm, 10mm Sockets
3. T-20, T-30 torx
4. 3mm Allen
5. Needle Nose pliers
6. Snap Ring Pliers
7. Pick

NOTES

Vehicle used in this guide is a 2008 BMW 135i. Always make sure the car is safe to work on. Do not work on a hot motor. We do not accept any liability for incorrect installation or damage during the install.

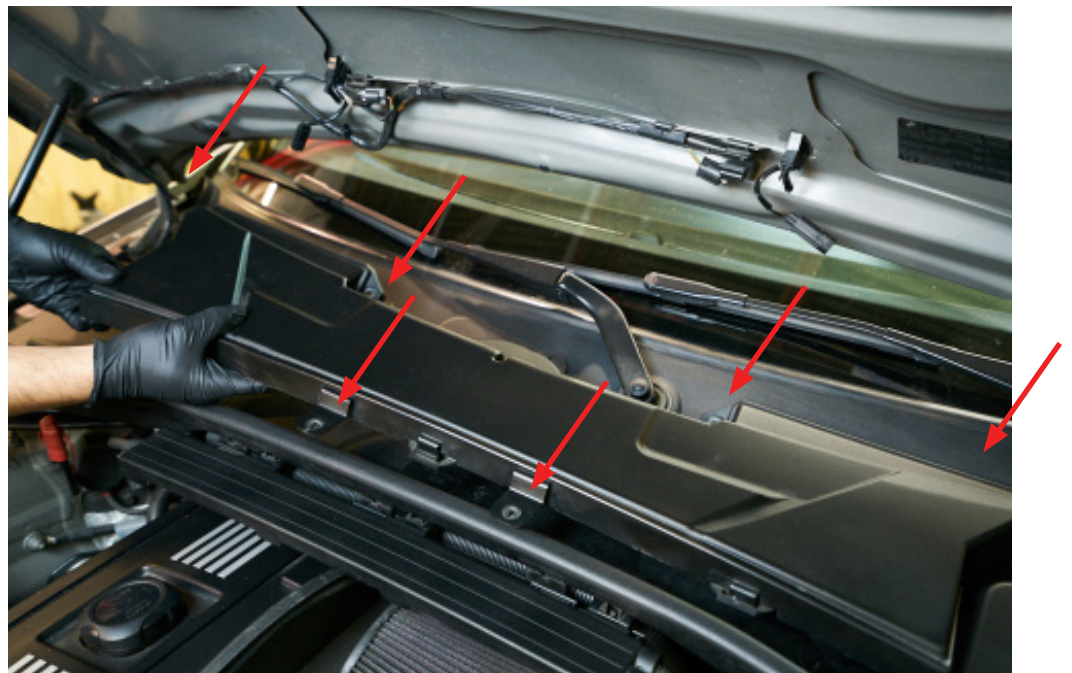
STEP 1

Begin by removing your air scoop and stock intake or intake kit to gain access to the charge pipe.



STEP 2

Remove the cabin air filter housing from the cowl panel by unscrewing the six 8mm self threading screws.



STEP 3

Remove the brake master cylinder cover by sliding out the rubber seal and releasing the retaining tabs.

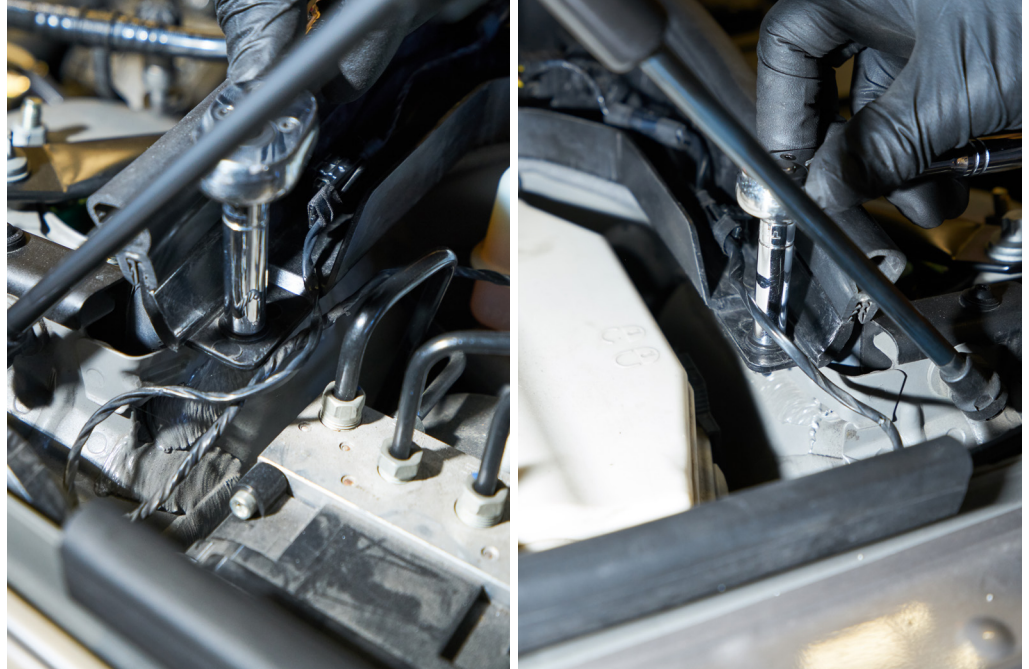
**STEP 4**

Remove the passenger side cowl the same way.



STEP 5

Remove the two 8mm bolts on either side of the cowl.

**STEP 6**

Use a flathead screwdriver to release the plastic rail holding the battery cables.

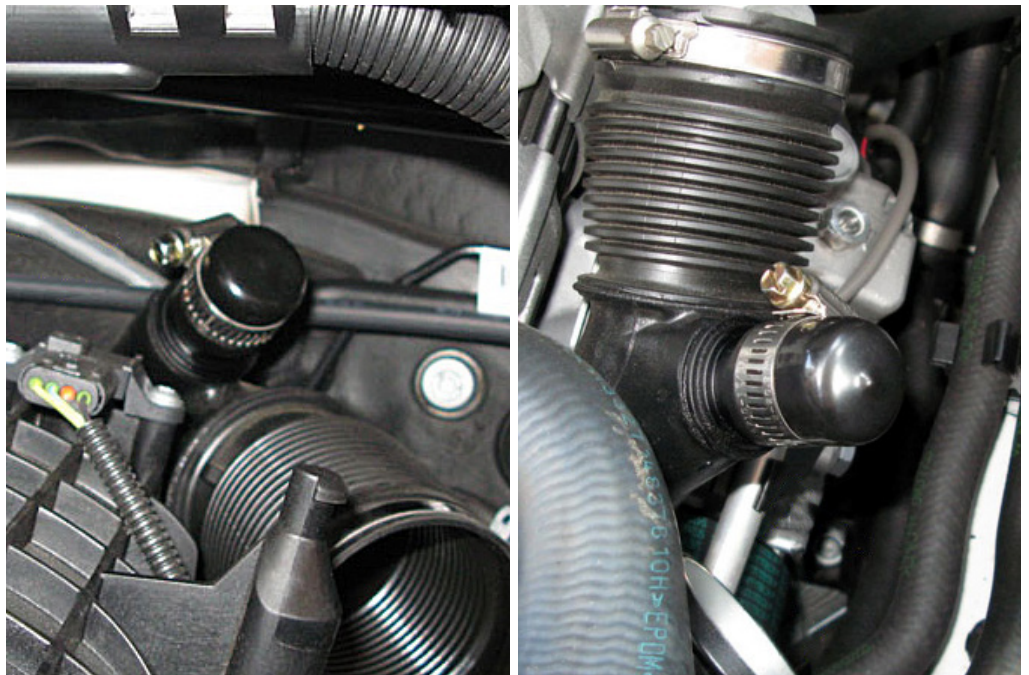


STEP 7

Remove the stock diverter valves and their hoses on the stock charge pipe and remove them.

**STEP 8**

Install the bypass valve block offs with the provided hose clamps.



STEP 9

Use a 10mm socket to loosen the hose clamp on the intercooler pipe

Use a flathead screwdriver to remove the clip on the throttle body side.

**STEP 10**

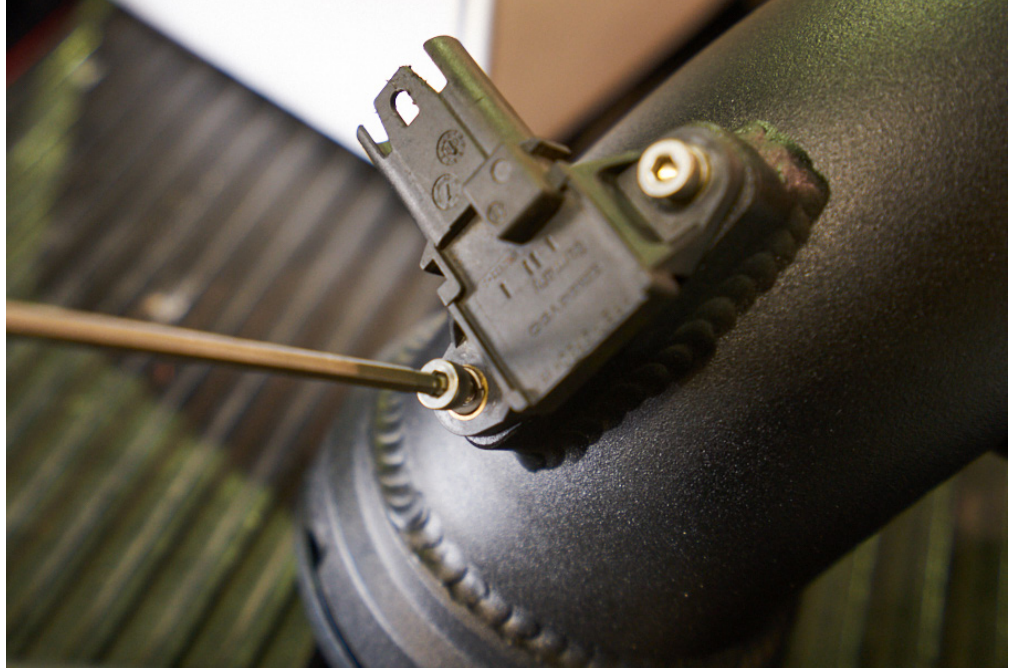
Remove the stock charge pipe from the engine bay.

There is a MAP sensor you will need to unclip.



STEP 11

Transfer the map sensor to the new chargepipe using a 3mm allen.

**STEP 12**

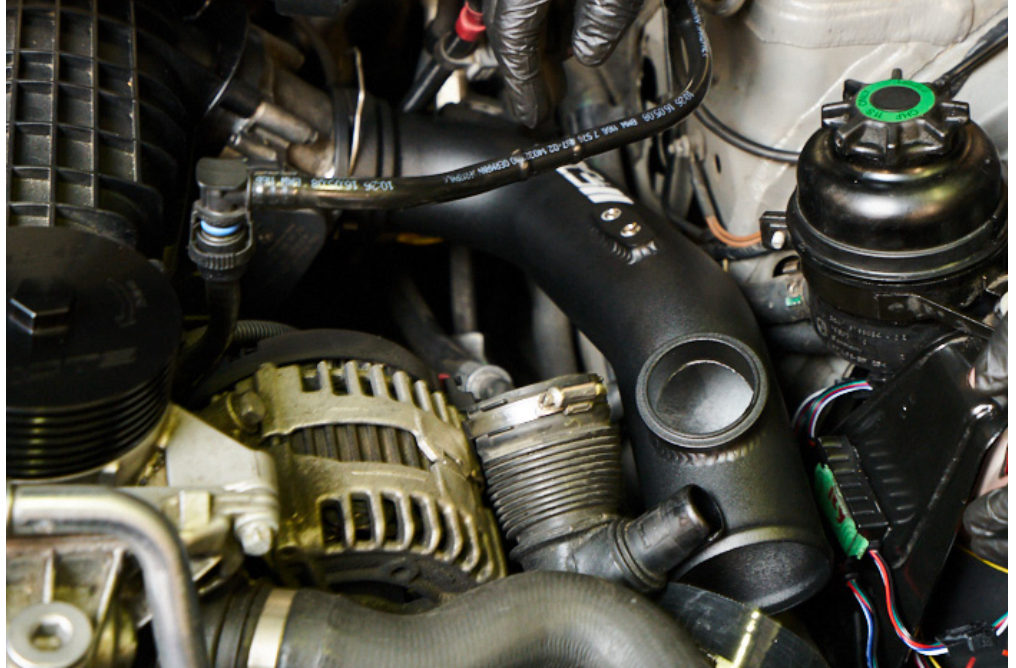
Transfer the o-ring and the C clip from the stock pipe to the new charge pipe.



STEP 13

Install the CTS Turbo Charge pipe beginning with the throttle body side and using the silicone coupler on the intercooler side.

Reconnect the MAP sensor.

**STEP 14**

Install the BOV using the provided oring and clamp and connect the vacuum line.

Reinstall your intake kit and cabin air filter and you are done!

