



## INSTALLATION GUIDE

INTAKE FOR BMW B58 ENGINE  
M140/M240/340/440  
CTS-IT-340



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

[www.CTSTURBO.com](http://www.CTSTURBO.com)

### WHAT IS INCLUDED

1. CTS heat shields
2. CTS MAF housing
3. CTS silicone coupler
4. CTS high flow air filter
4. Weather stripping
5. Hardware



### TOOLS REQUIRED

1. 10mm socket
2. T20 torx
3. 2.5mm allen
2. Screw driver

### NOTES

Vehicle used in this guide is a 2016 BMW 340i. Always make sure the car is safe to work on. Do not work on the car until it has cooled down. We do not accept any liability for incorrect installation or damage during the install.

**STEP 1**

Locate the stock air box on the right side of the vehicle.

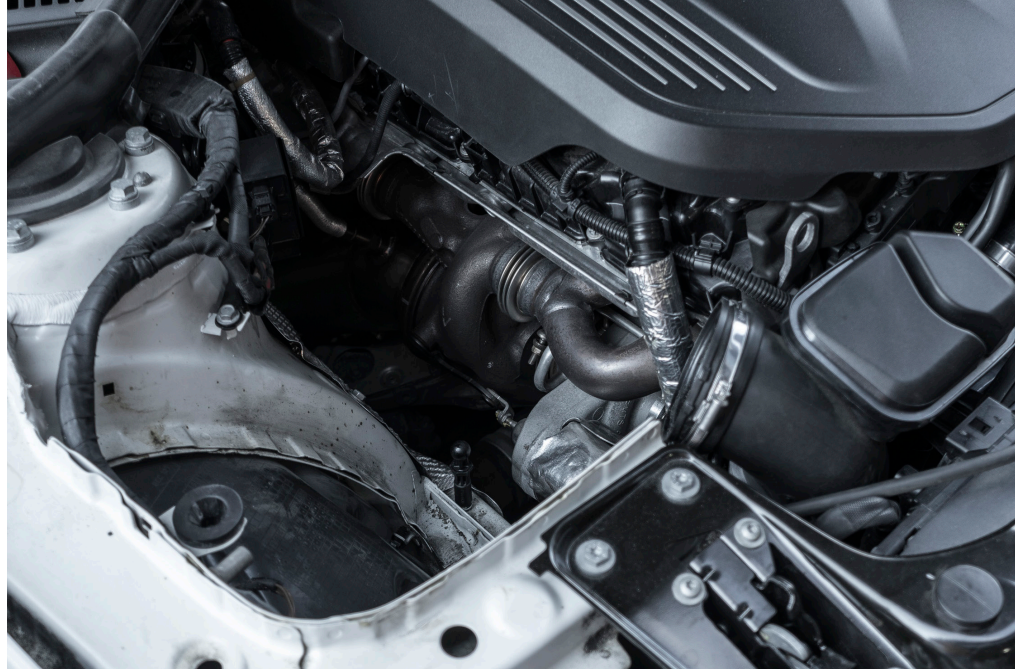
**STEP 2**

1. Disconnect the MAF sensor
2. Loosen the clamp



#### STEP 3

Lift and remove the stock air box



#### STEP 4

Locate the clamp that attaches the turbo inlet duct, loosen and remove.



**STEP 5**

1. Unscrew the ball pin that attaches the stock intake.
2. Remove the 10mm nut near the strut tower

**STEP 6**

1. Install the 4 provided metal clips near the turbo.
2. Install the provided CTS turbo heat shield.



**STEP 6**

1. Place the weather stripping to the main heat shield.

2. You will see that the weather stripping is slightly longer than the shield. Cut the piece off and attach to the turbo heat shield.



**STEP 7**

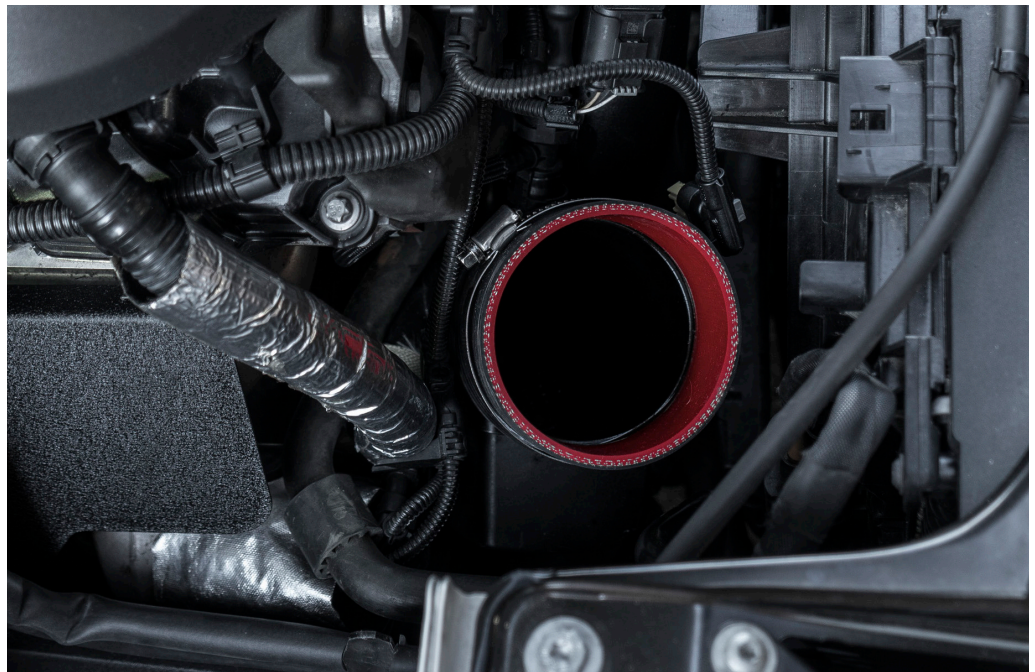
Install the heat shield using the stock 10mm nut near the strut tower.

Using the 10mm nut provided install where the ball pin was located.

**STEP 8**

Install the longer CTS silicone coupler and clamps at the turbo inlet.

Tighten the lower clamp now.



### STEP 9

Transfer the MAF to the CTS housing



### STEP 10

Attach the CTS air filter, silicone coupler and CTS MAF housing.

Tighten the clamps





#### STEP 11

Install and tighten clamp by the turbo inlet.

Inspect and check no parts are making contact.



#### STEP 12

Reinstall the MAF sensor.

YOU ARE DONE!

