

CTS TURBO

INSTALLATION GUIDE

CTS Turbo Toyota Corolla GR Intake System
CTS-IT-344



WHAT IS INCLUDED

1. Intake System



NOTES

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

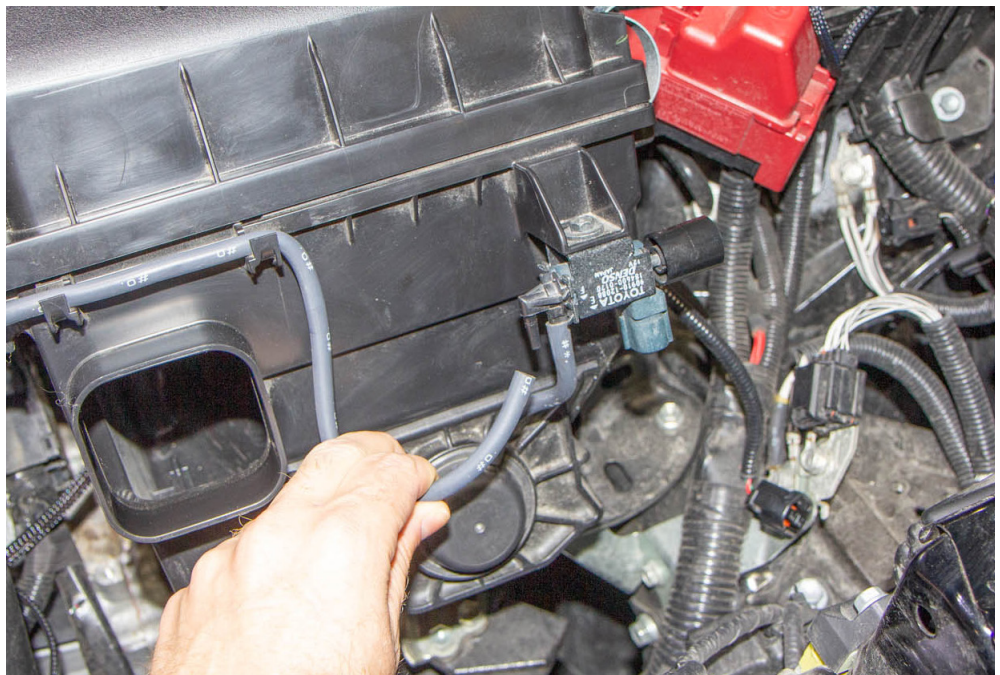
STEP 1

Remove the front engine bay trim.
Use a flat head screw driver or plastic remove tool to pop out the pins.



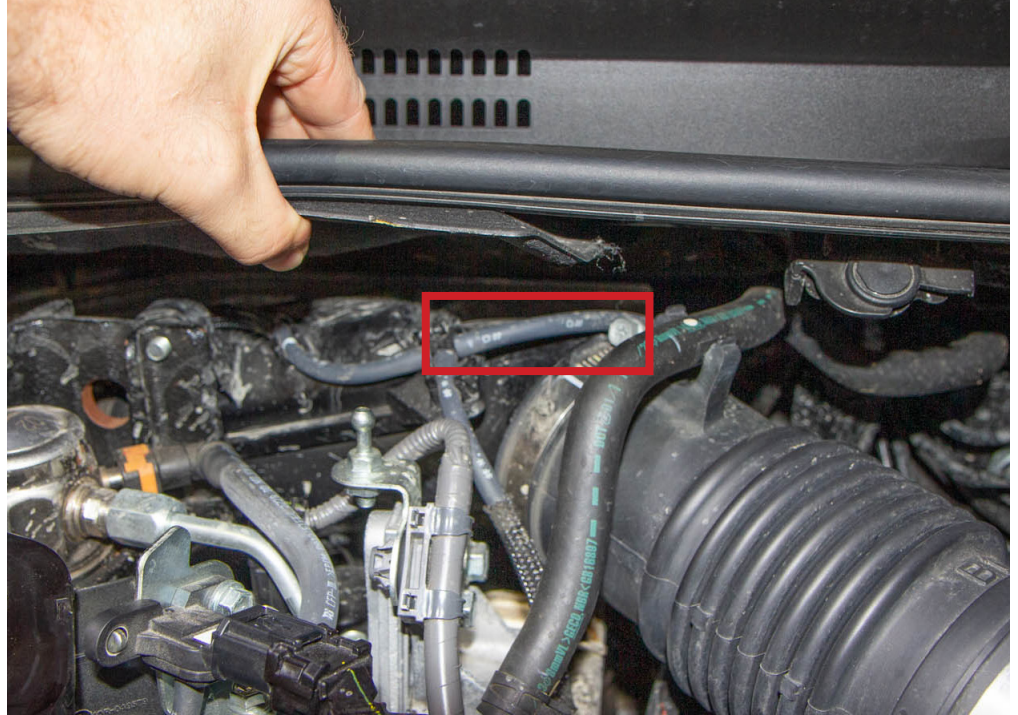
STEP 2

Remove the this line from the intake
vacuum sensor.



STEP 3

Follow that vacuum line to the intake pipe and remove.



STEP 4

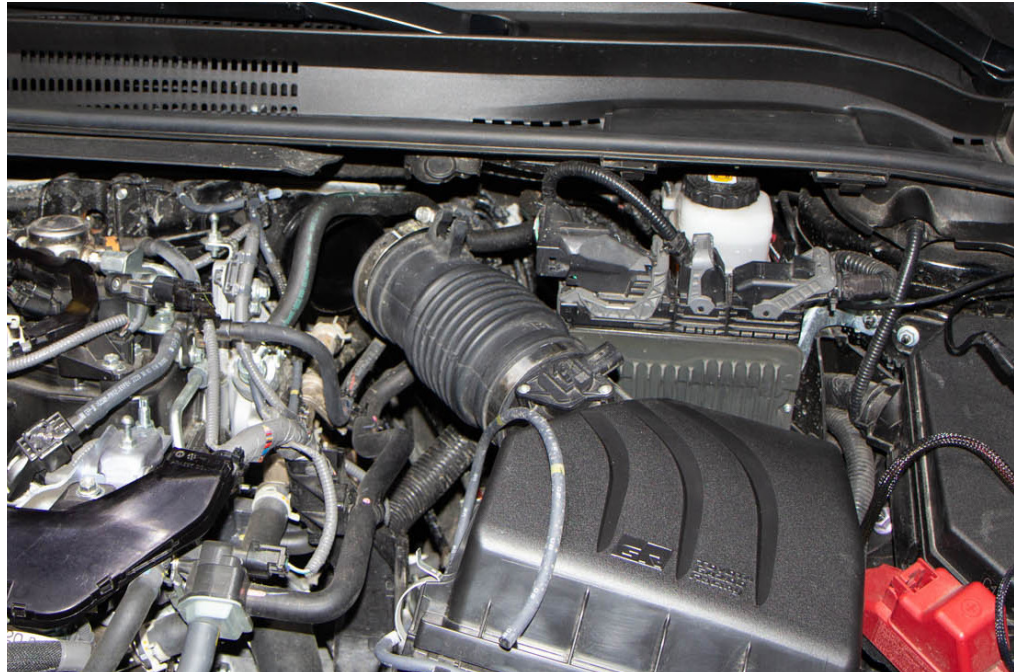
Cap off the line we just removed with provided cap and zip tie.



STEP 5

Disconnect the MAF electrical connector.

Loosen the clamp connecting the air box to the intake pipe.



STEP 6

Lift and remove the air box.



STEP 7

Next remove the upper bolt that holds the turbo inlet pipe.

This bolt is on really tight, so have fun breaking it loose.



STEP 8

Now remove the lower bolt.



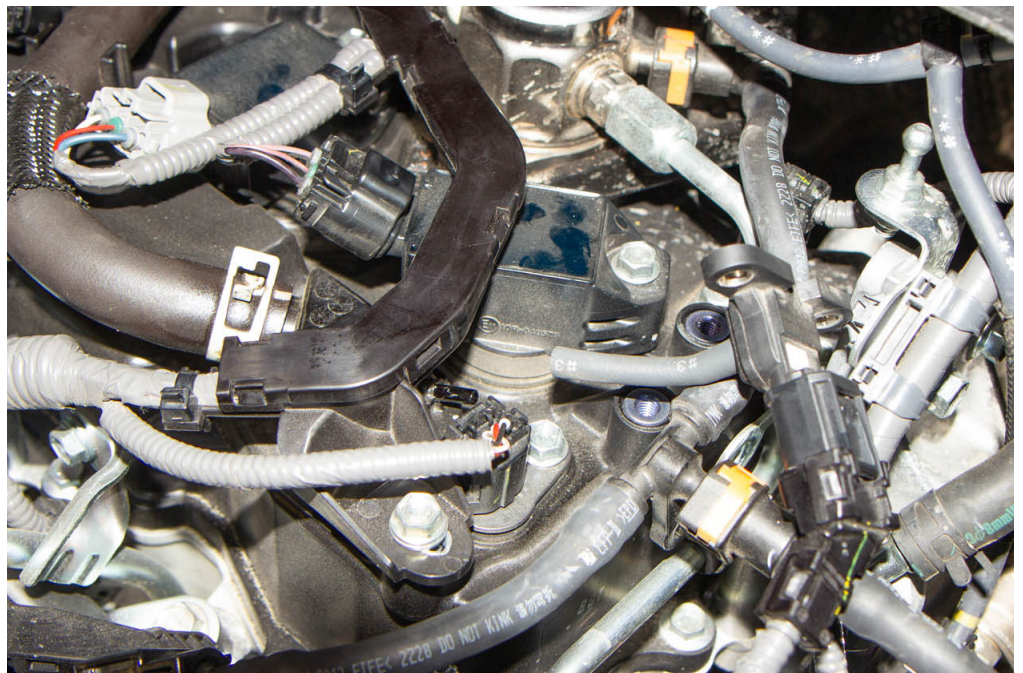
STEP 9

You can now remove the turbo inlet.



STEP 10

Remove the vacuum line hose shown. Remove it from the vacuum sensor as well.



STEP 11

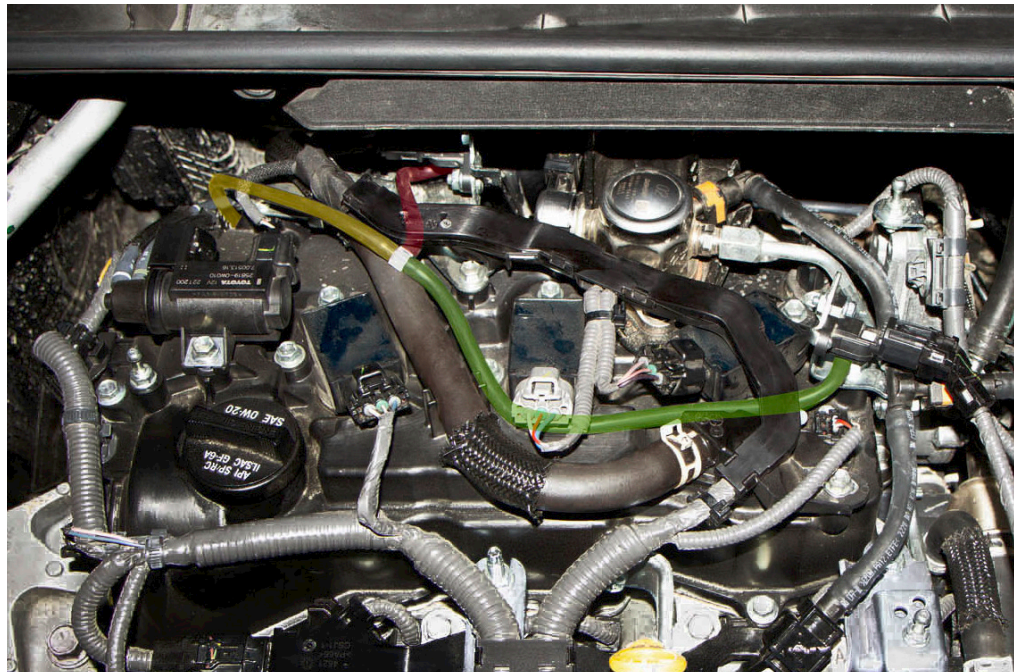
Next remove the vacuum line that runs from the sensor to the turbo.



STEP 12

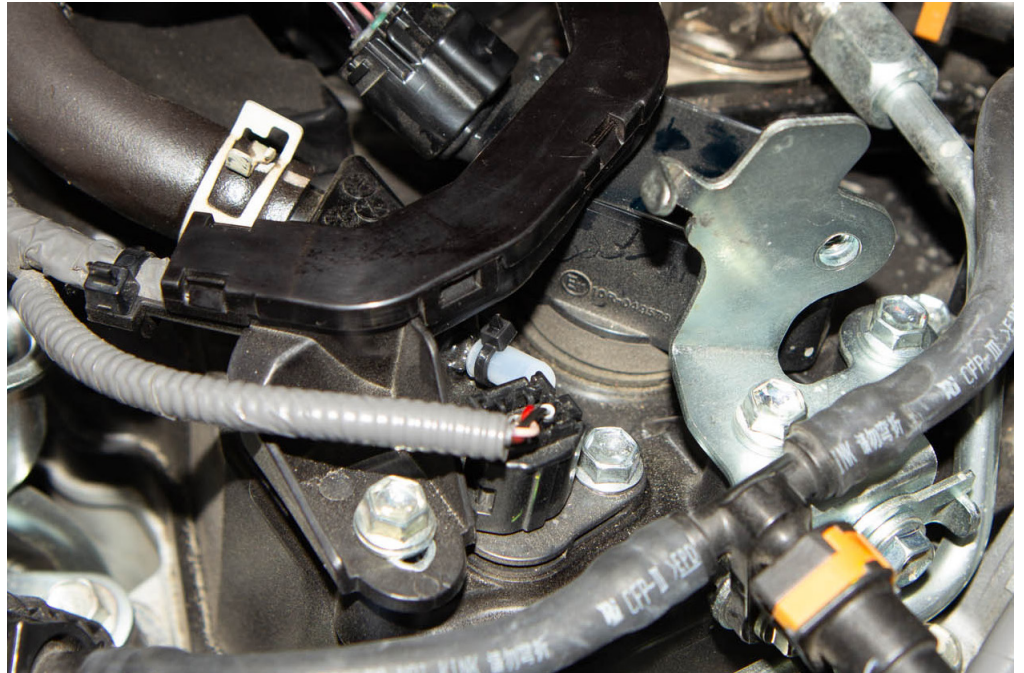
With the provided hoses and T connector, run the lines as indicated.

1. Orange runs to the turbo.
2. Red runs to the sensor near the firewall.
3. Greens runs to the vacuum sensor near the intake.



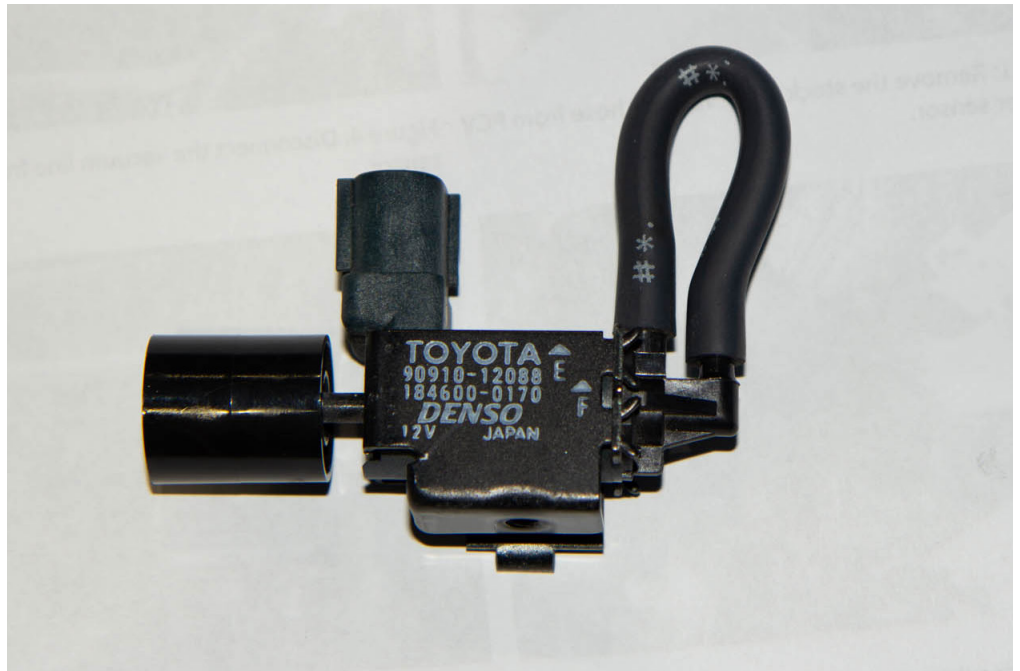
STEP 13

Now block off line by the PCV hose with the provided cap and zip tie.



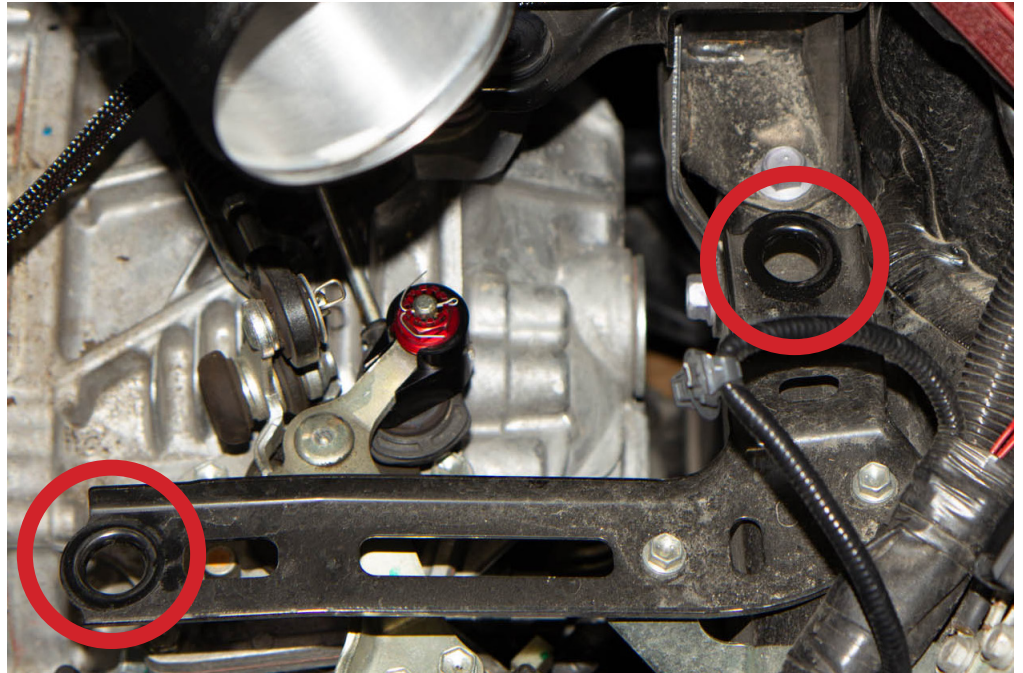
STEP 14

For the intake vacuum sensor route the factory line back into the sensor.



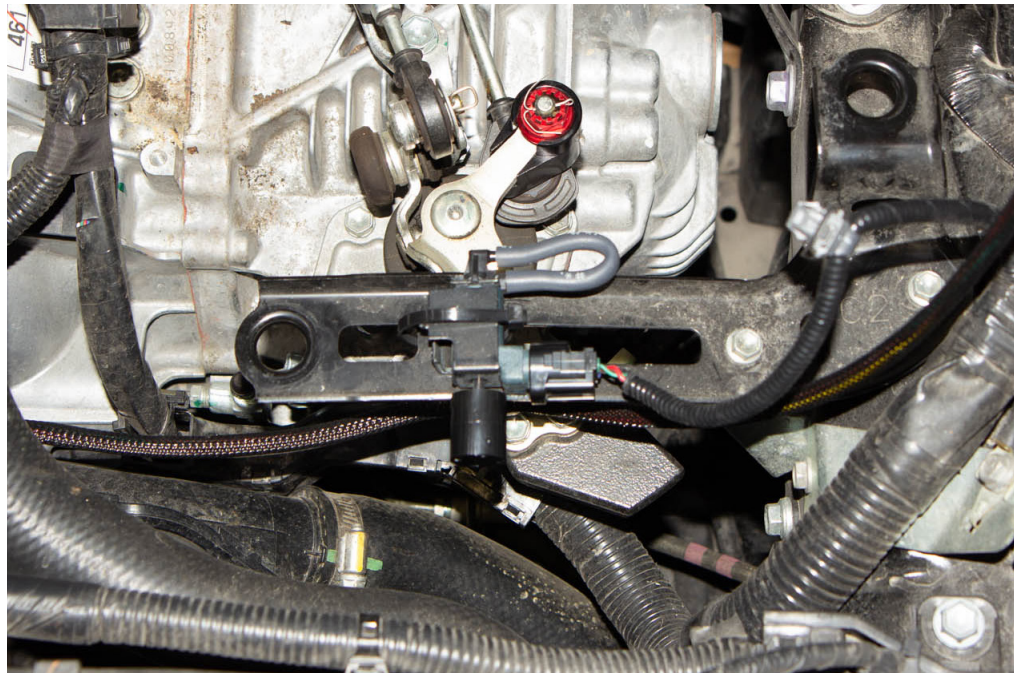
STEP 15

Remove the factory grommets indicated.



STEP 16

Install the intake vacuum sensor as shown with the provided zip tie.



STEP 17

Assemble the heat shield.

Note: the longer bracket goes to the front of the heat shield



STEP 18

Pre-install the provided silicone and clamp on the turbo inlet pipe followed by our intake pipe.



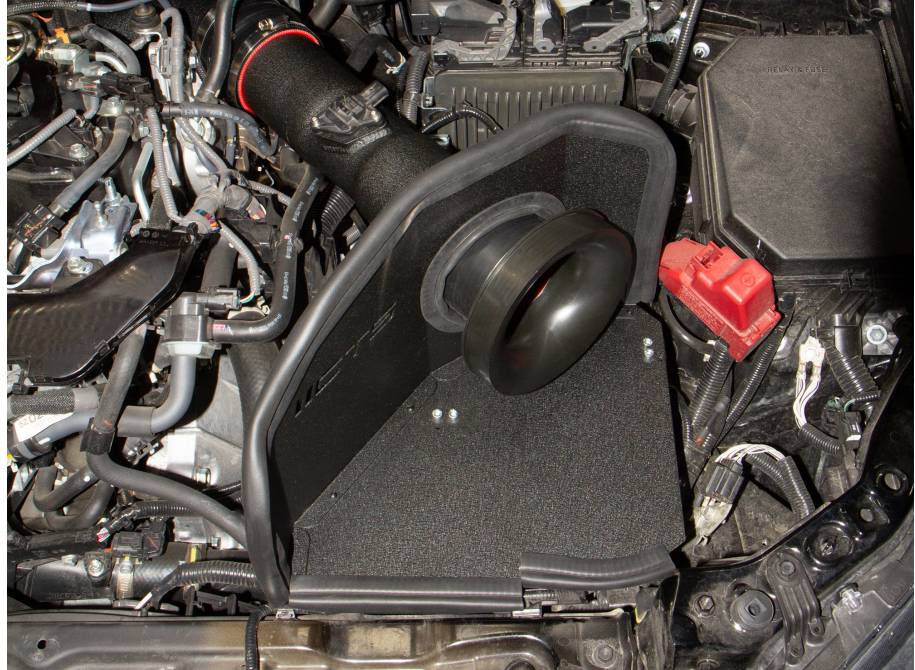
STEP 19

Make sure you transfer the MAF sensor to the intake pipe before installing.



STEP 20

Install the velocity stack onto the intake pipe.



STEP 21

Sometimes from the mold release the filter can have an oily feel. If available use brake clean on a rag to remove or rubbing alcohol before installing.



STEP 19

Make sure to reinstall the engine bay trim and you are done!

