Install guide for Group 15: Audi SQ7/8, RS Q8, Porsche E3 Cayenne GTS, Turbo, Lamborghini Urus

Last updated 27/07/2021

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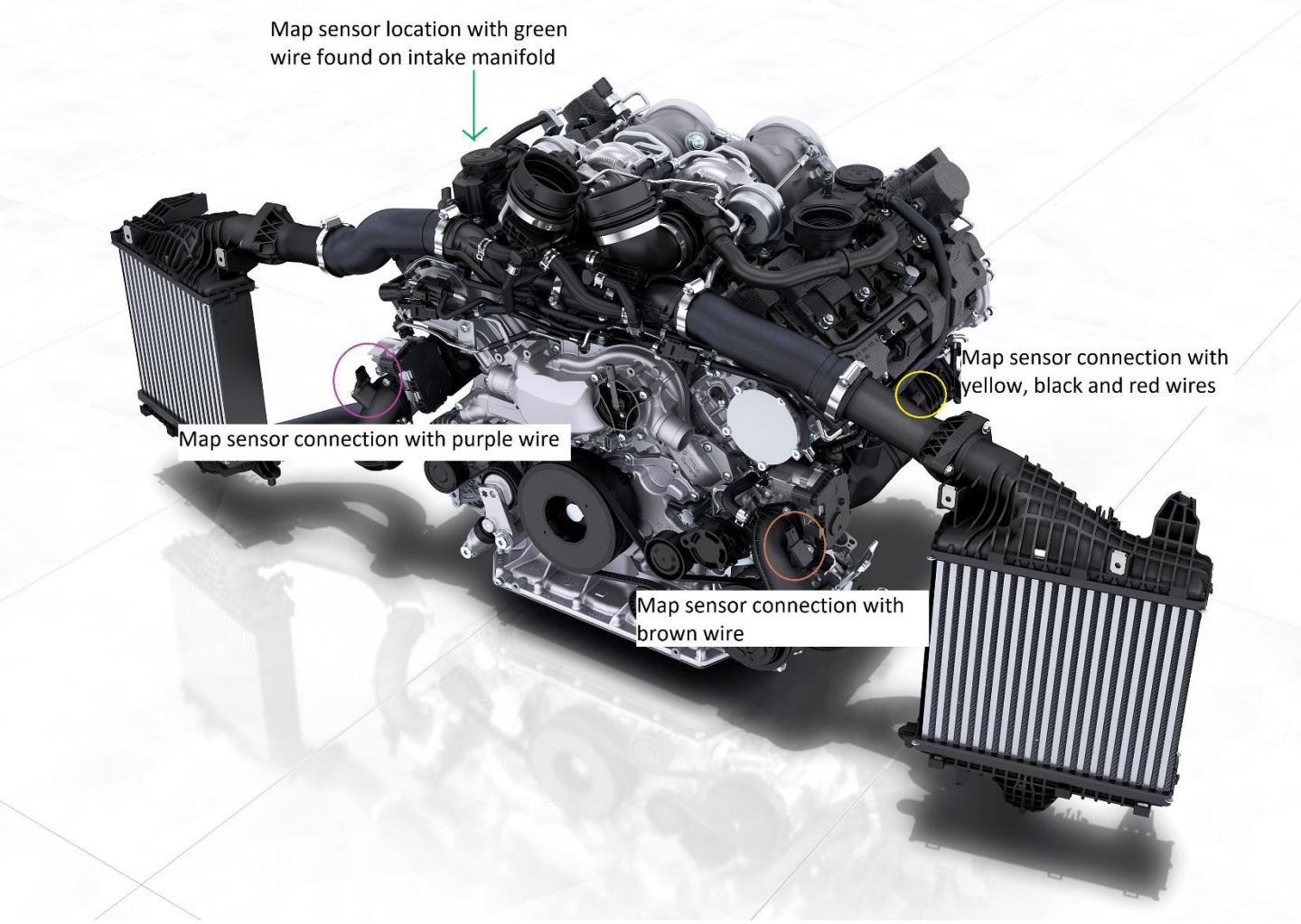
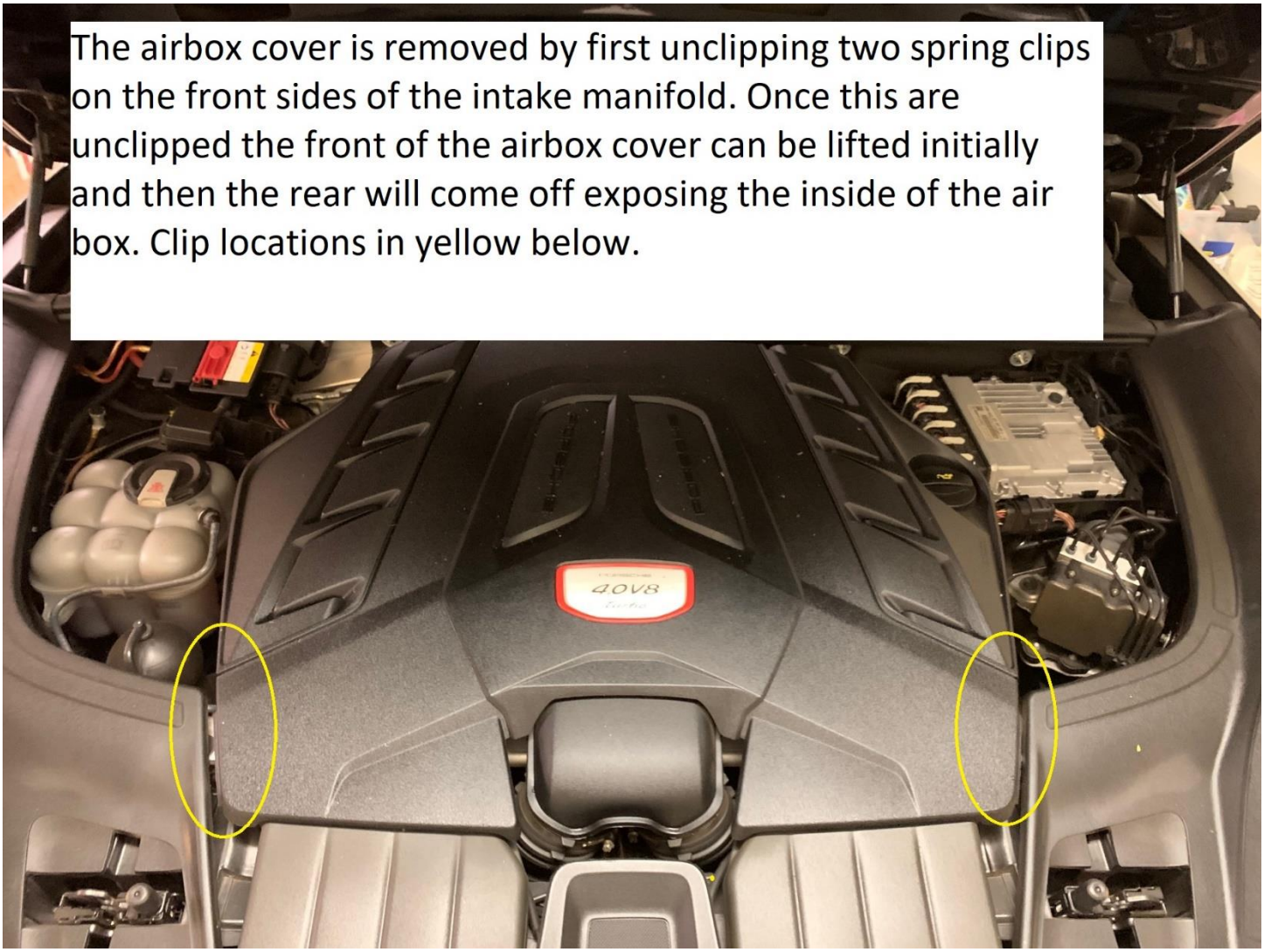
Engine bay sensor locations:

There are four sensors we will connect to in the engine bay. The stock plug is removed from the sensor and plugged into the JB4 harness and the JB4 plug will go into the sensor. Sensor locations are the same for all supported models.



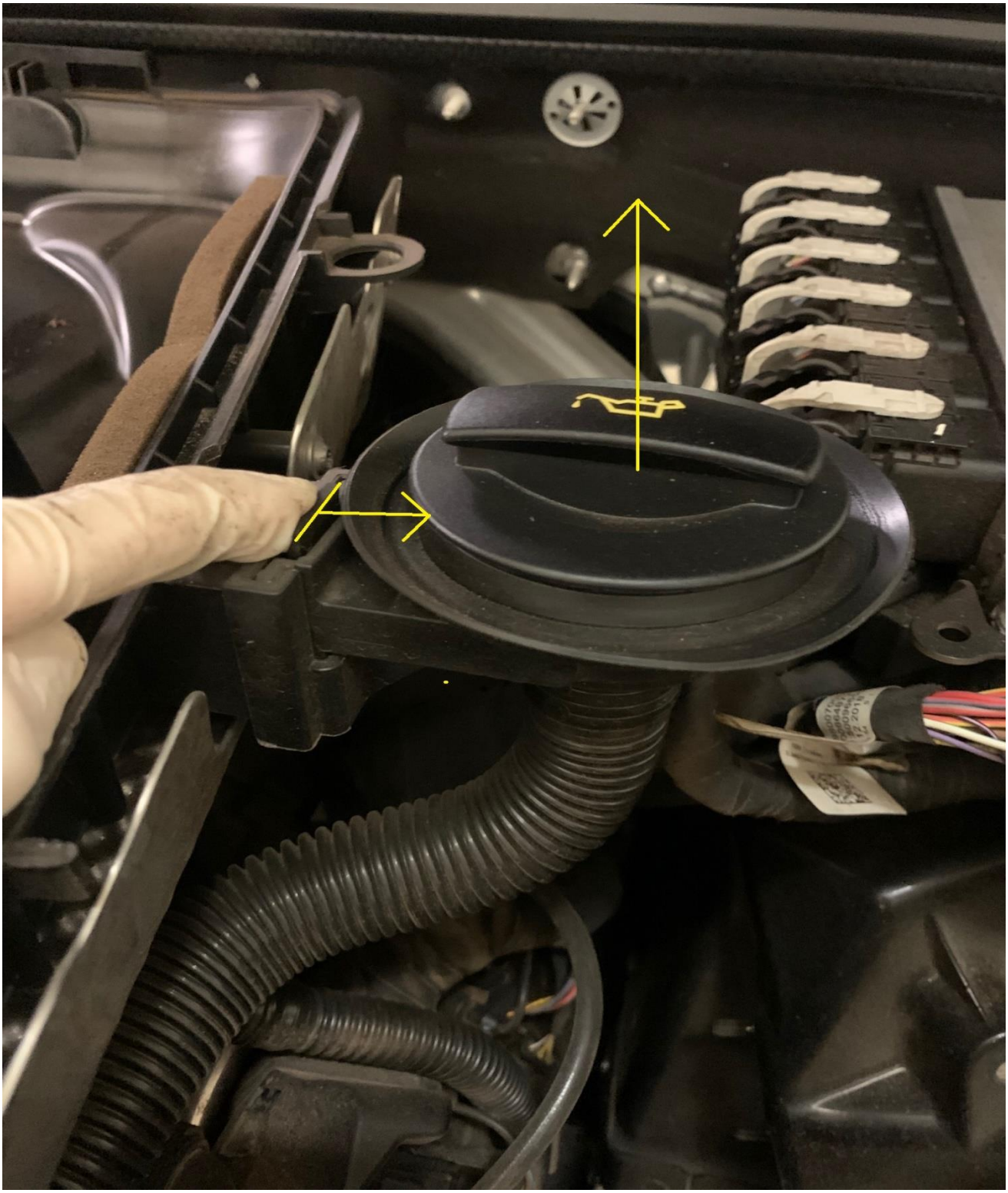
Prior to starting with the installation of the sensors some components need to be removed starting with the air box on the engine.



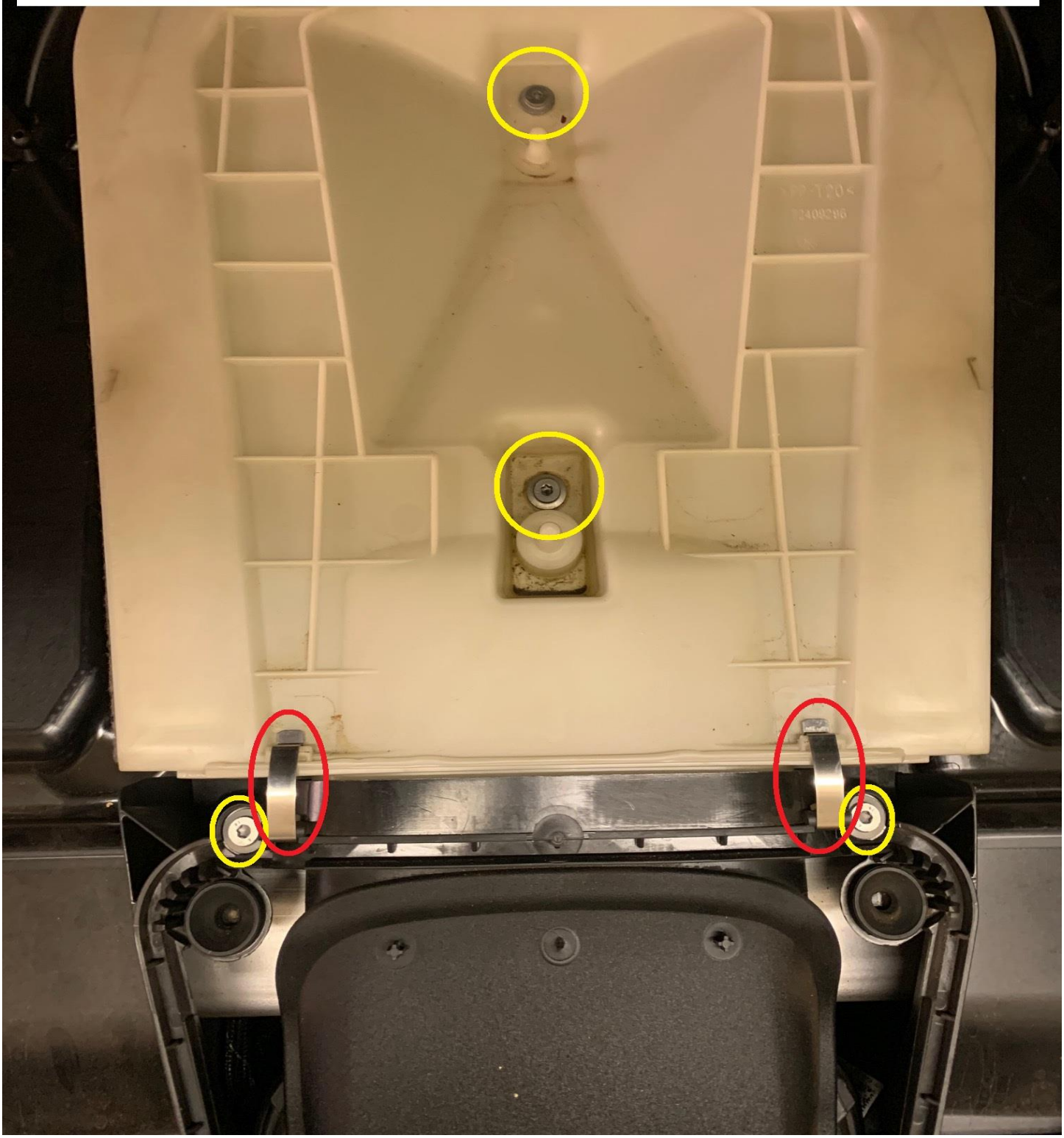

Left side spring clip


Right side spring clip

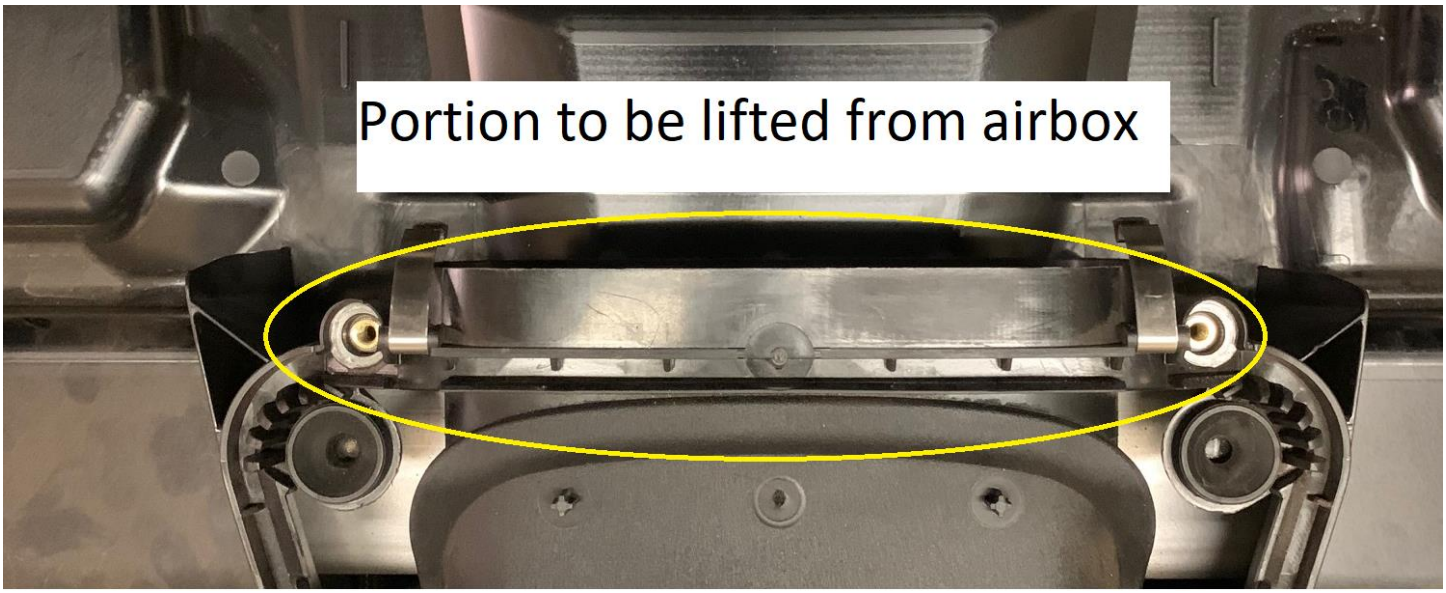
Once the air box cover is removed the oil filler assembly can be unclipped by pushing the tab to the right and then lifting it gently.



In the next step we will remove the four T25 Torx screws and two spring clips removing the air filter from the intake assembly.



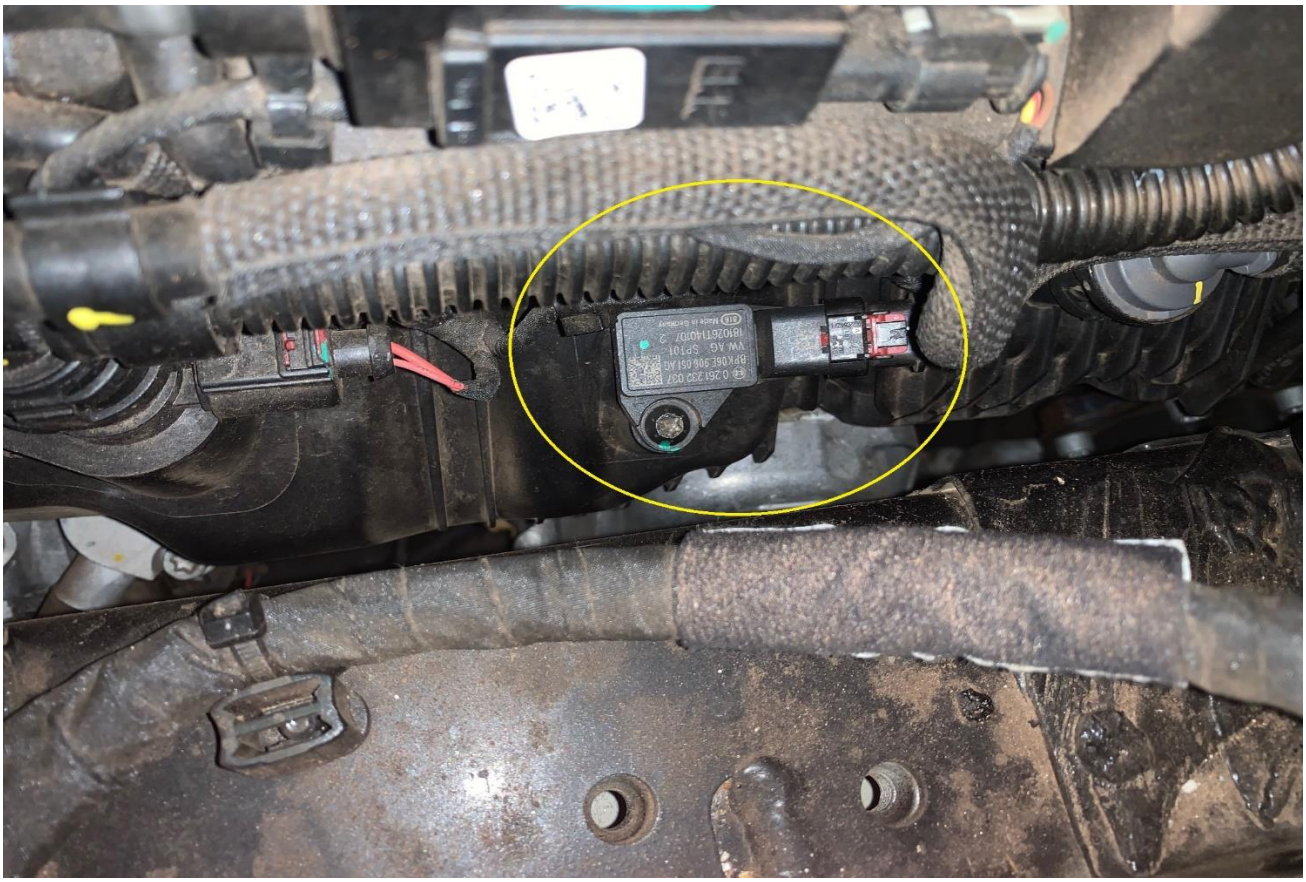
The airbox is ready to be removed. It his held in place with grommets in the front sides and rear of the engine bay. Lift these but do not move the air box out of place. Once it has lifted slightly lift and unclip the air intake portion gently from the air box portion shown below leaving it in place. Once this is out remove the airbox.



At this stage we are ready to start installing the sensors. It is advisable to do the install with a cold engine. With the hood open lock the car and move the key far from the car and wait for 5 minutes so the vehicle can power down.

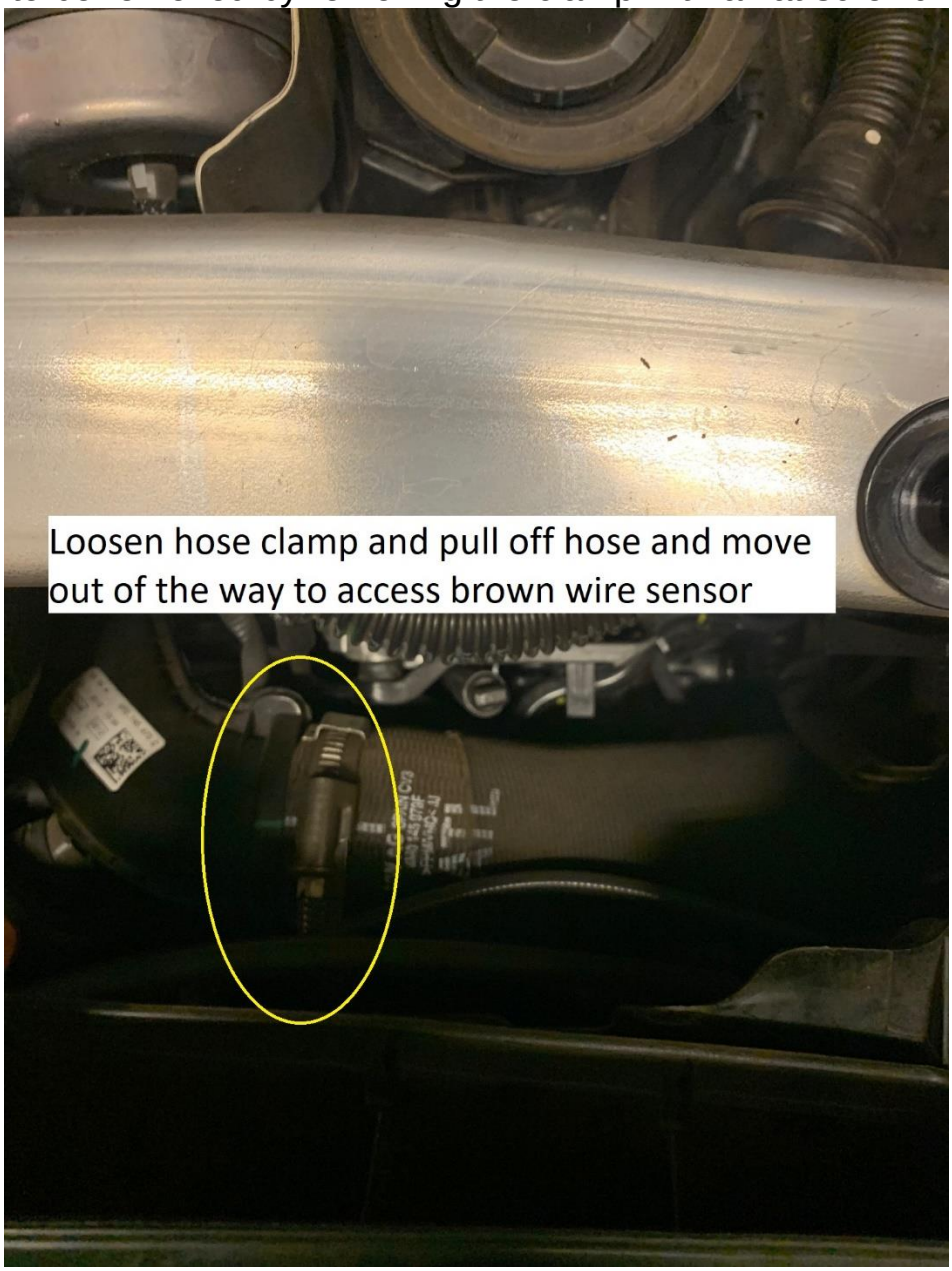
Sensor A: Multi colour boost sensor plug

The sensor is found on the right hand side of the engine bay (driver side for a left hand drive car). The sensor plug is removed by pulling back on the red locking tab till it reaches the unlock position and then pressing down. It helps to push the plug in to the sensor when pressing down to unclip it. Install the multi colour plug, it is the one with the yellow, black and red wires into the sensors and the original plug into the JB4 harness at the same location pushing the grey locking tab forward.
(if you cannot get it unclipped try the left hand side of the motor sensor which has the same clip and is easy to reach to understand the mechanism.

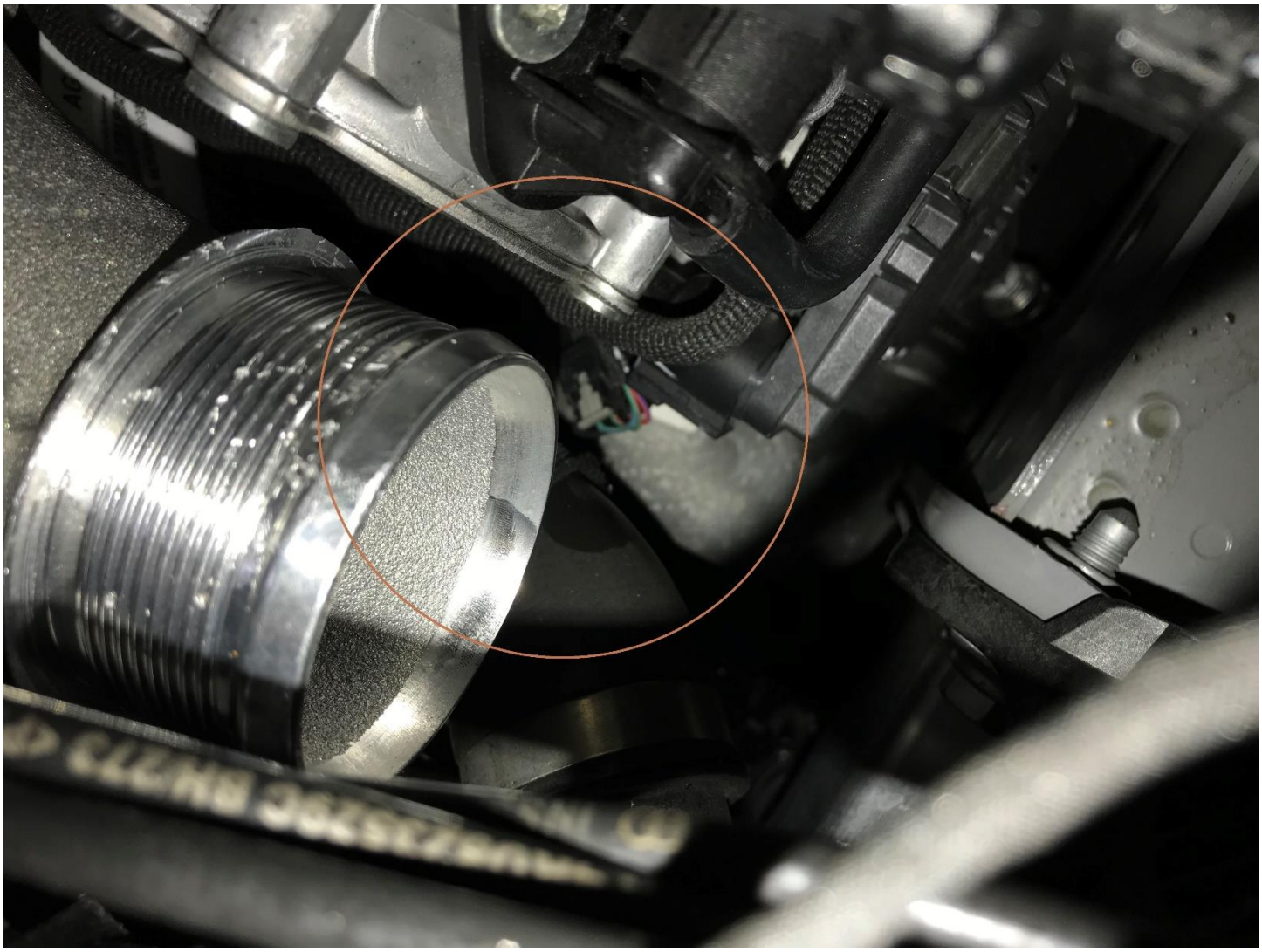


Sensor B: Brown wired boost sensor plug

This sensor is located in the front right of the engine bay just before the throttle body and the plug with the black and brown wire connects to it. To reach it the charge pipe will need to be removed by removing the clamp with a flat screwdriver and pushed out the way.

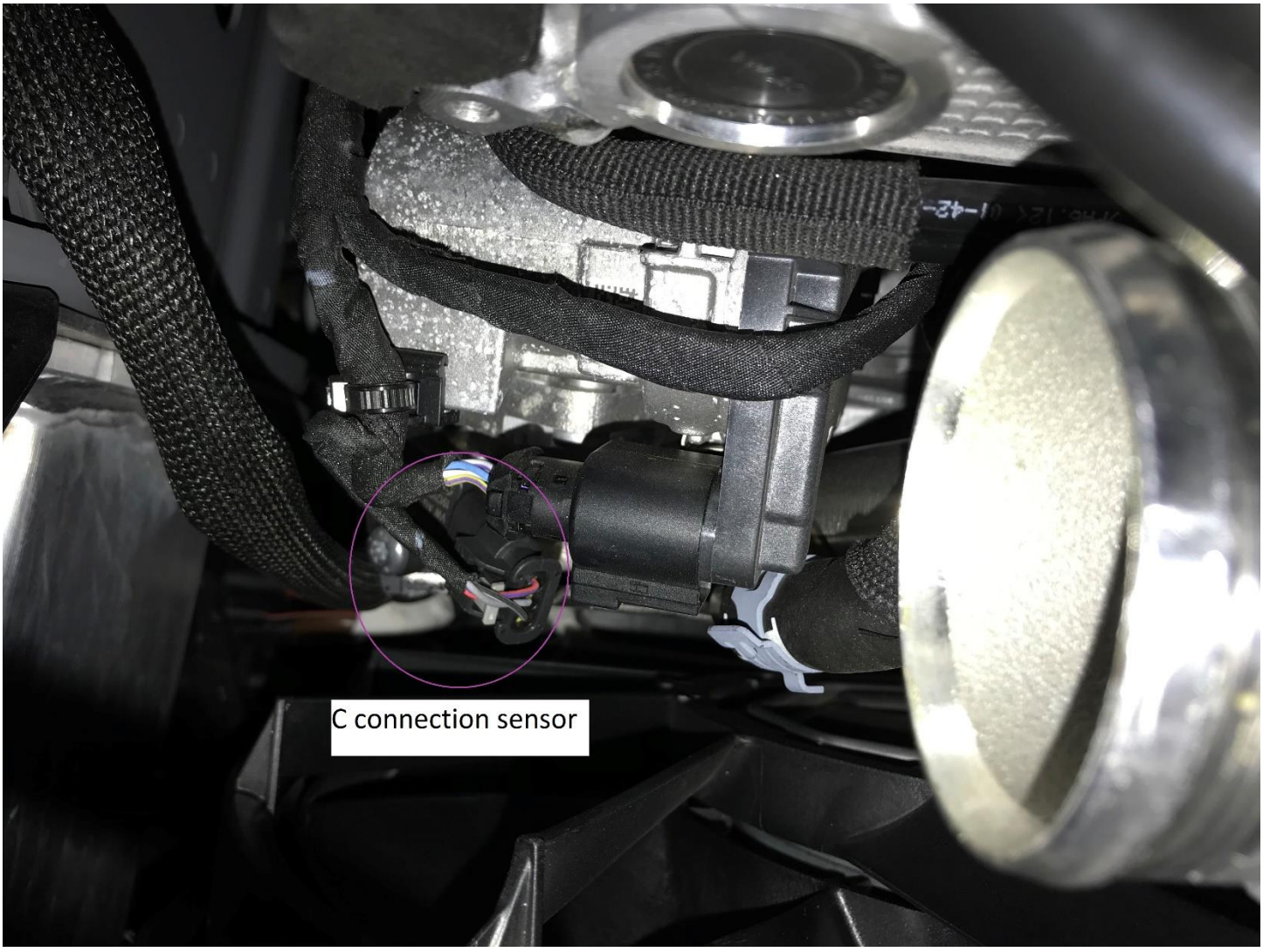


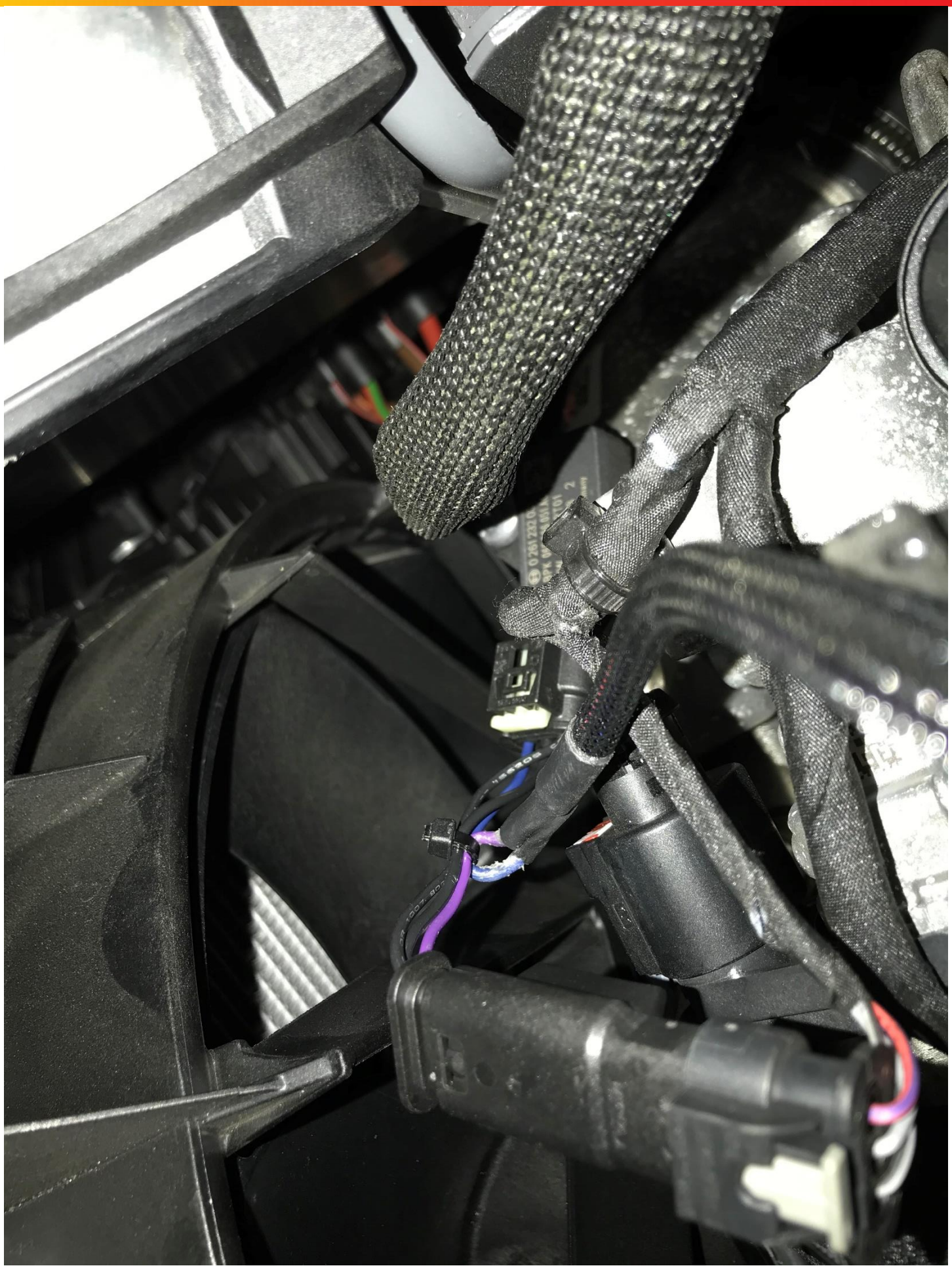
The original plug has a grey locking tab that slide back. You press down on it once unlocked and the plug will unclip. Connect the brown wire plug into the sensor and the original plug into the JB4 harness. Lock the JB4 side sensor into place by pushing the grey locking tab forward.



Sensor C: Purple wired boost sensor plug

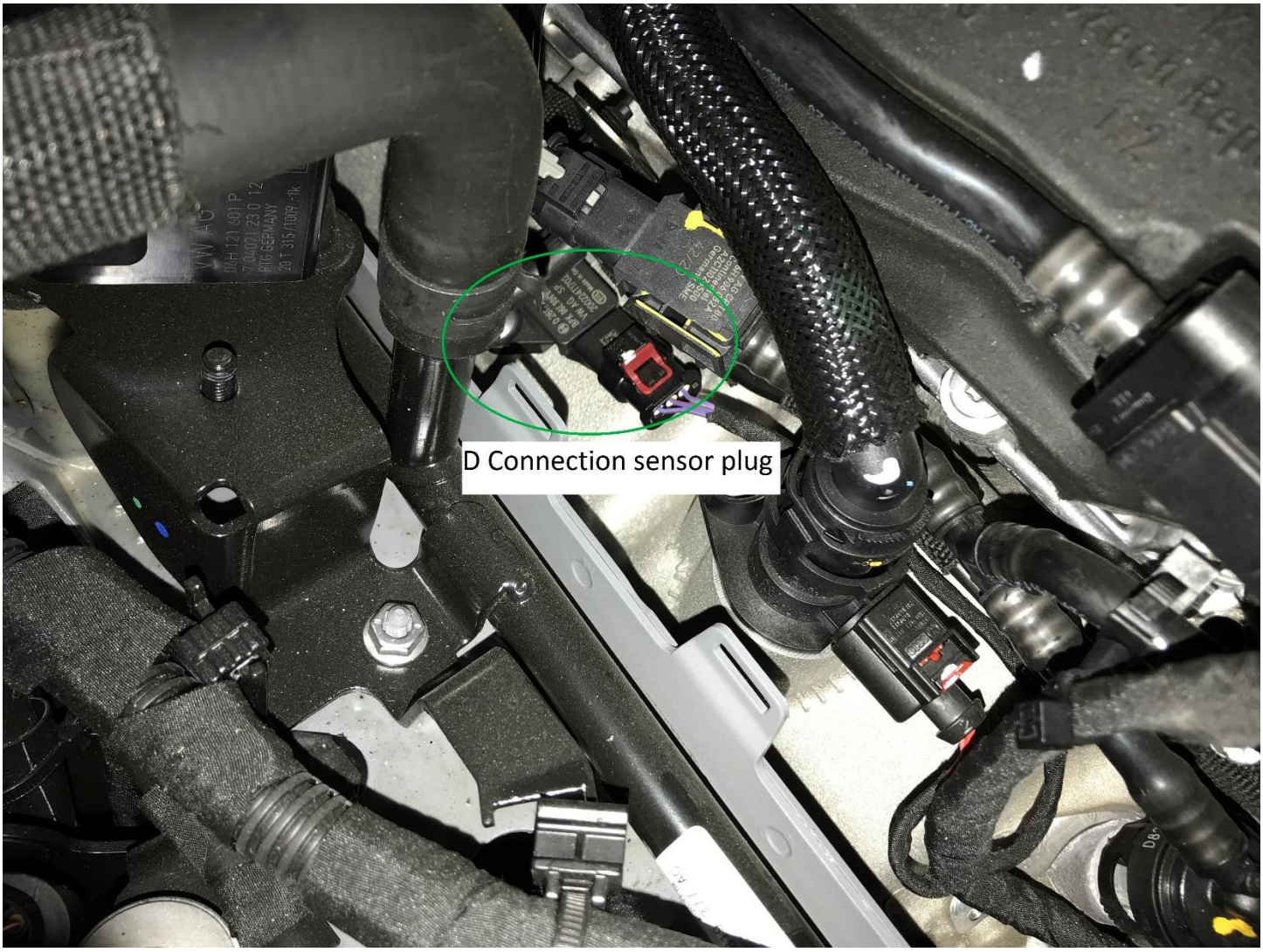
This sensor is located in the Left of the engine bay and the plug with the black and purple wires connects to it. To reach it the charge pipe will need to be removed by removing the clamp with a flat screwdriver and pushed out the way. The original plug has a grey locking tab that is slid back and then pressed down to release plug.


C connection sensor



Sensor D: Green wired boost sensor plug

This sensor is located in the Left of the engine bay on the intake manifold and the plug with the black and green wires connects to it. It has a red locking tab that is slid back and by pressing down on the tab once unlocked it releases the plug.

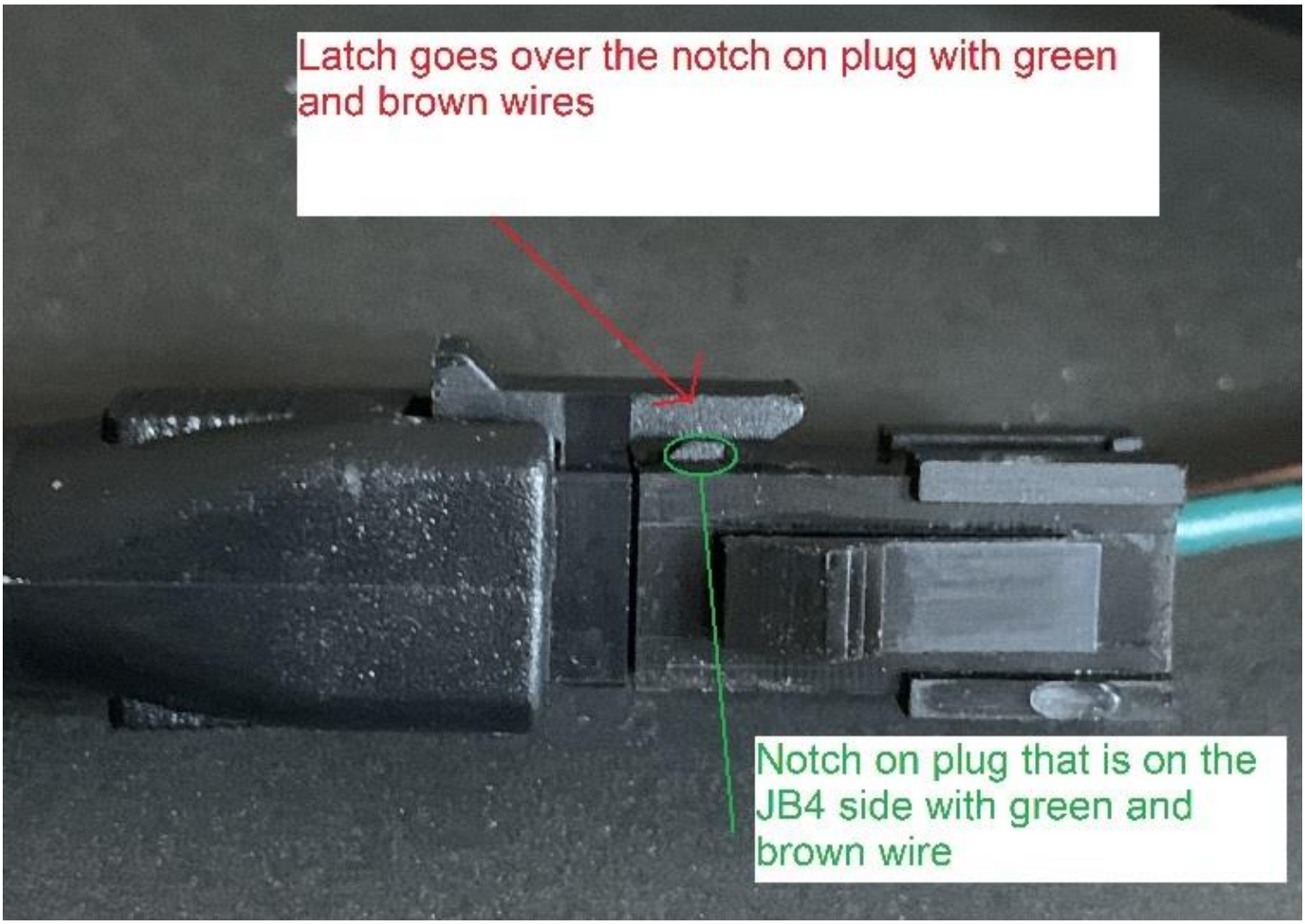


Once the last plug is connected everything can be assembled in reverse order.

The JB4 can be located in the firewall in the below location.

At this stage the car can be unlocked and the OBD data cable can be routed to the inside of the interior. For simplicity of install we have routed via the door stop but a more permanent install can be done via the firewall. (we are evaluating a suitable grommet and will amend the install guide once this procedure is final).

The small end of the OBD cable connects to the JB4 harness as per the below picture.




V8


AUTO
FRONT
REAR
RS

The large end of the OBD cable can be installed into the OBD port found on the drivers side to the left of the steering trim.

At this stage the install is complete. For any install assistance or tuning support email george@burgertuning.com.

If you have opted for the JB4 Connect Kit in the next two pages is a guide on how to install.

JB4 Connect Kit (Pinned Power) Install Guide

04-13-2020

1) Open the JB4 enclosure.

2) Install the DB9 connector and ensure both screws are secure.

3) Put the JB4 enclosure back together.

Very Important

4) Ensure the Connect Kit *IS NOT* in direct contact with the metal JB4 enclosure or any other nearby metal. Aim the smaller side of the Connect Kit (circled below) DIRECTLY towards the driver's seat for best signal quality. Failure to do this may lead to connectivity issues.