

2021+ G80 M3 / G82 G83 M4 / G87 M2 S58 JB4 Install Guide

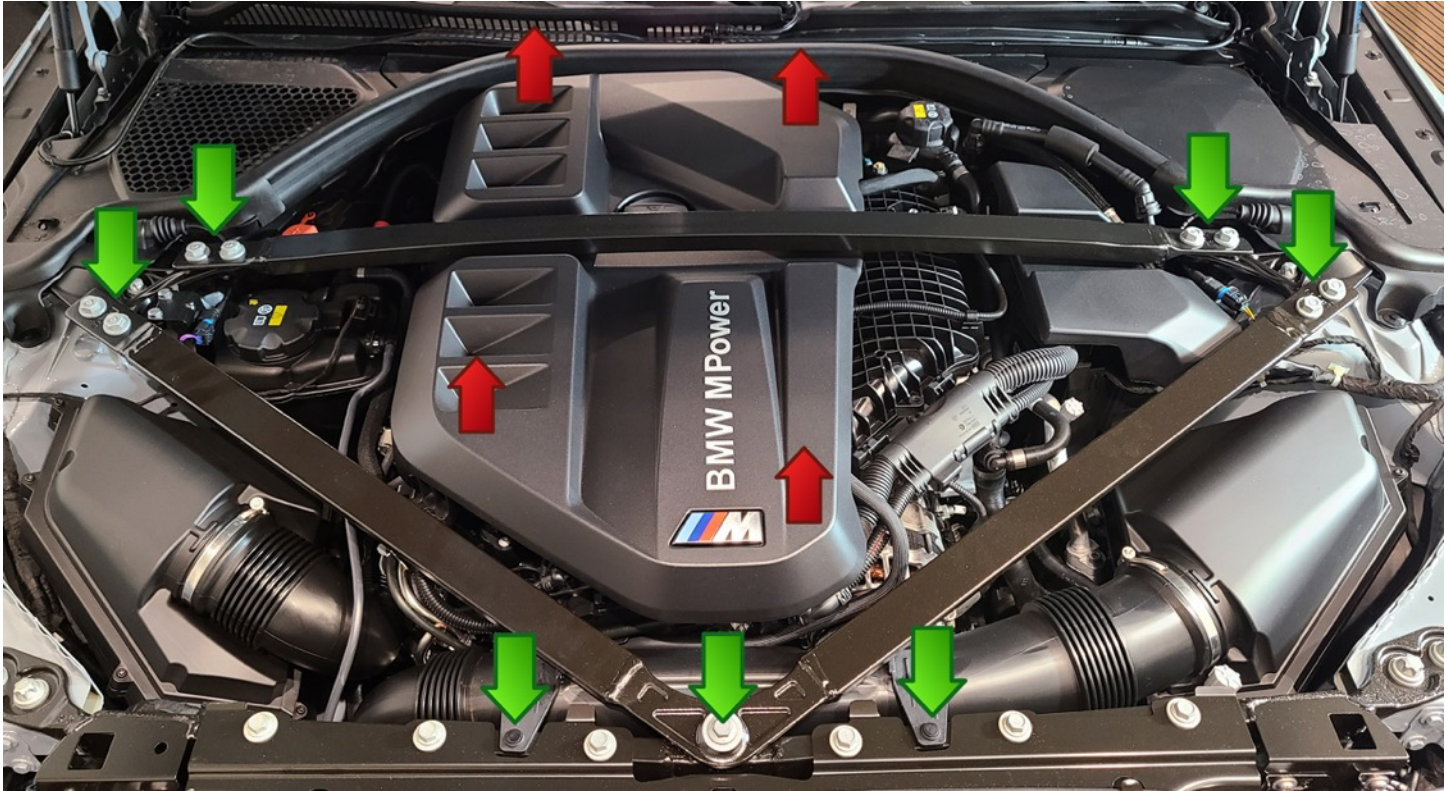
Last updated 09/19/2025

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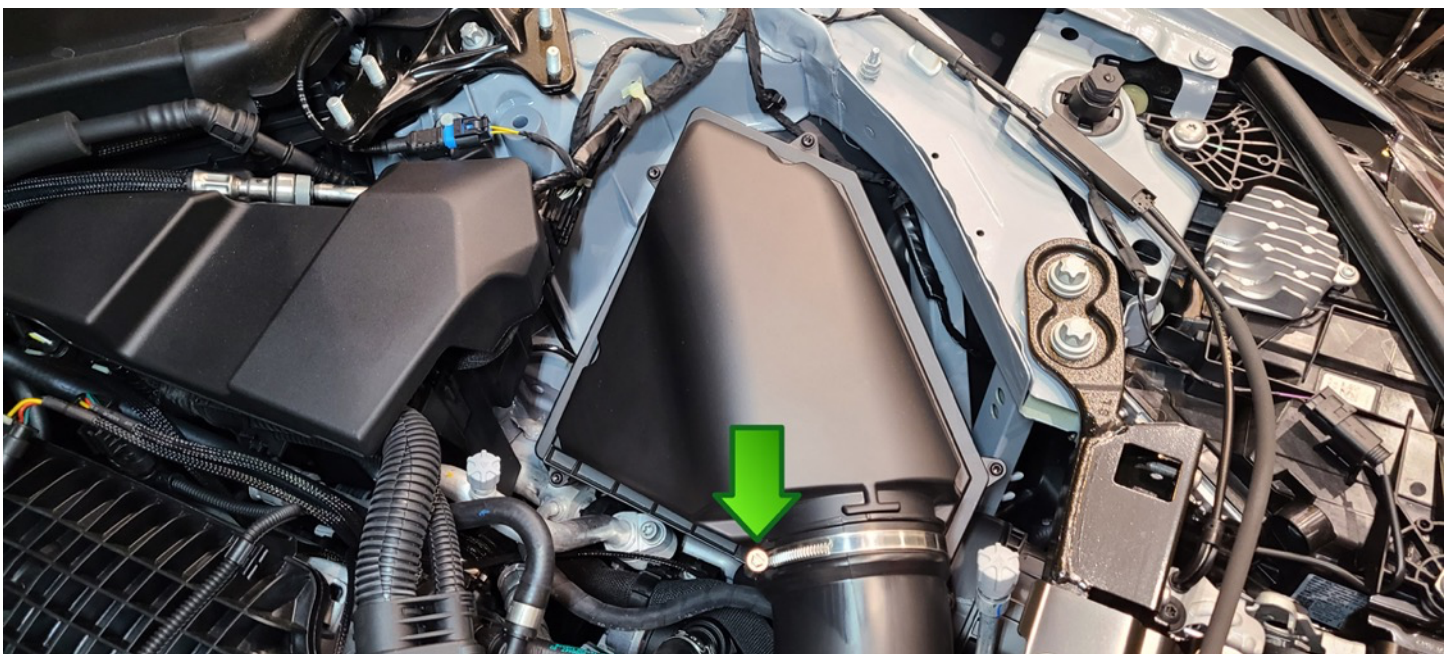
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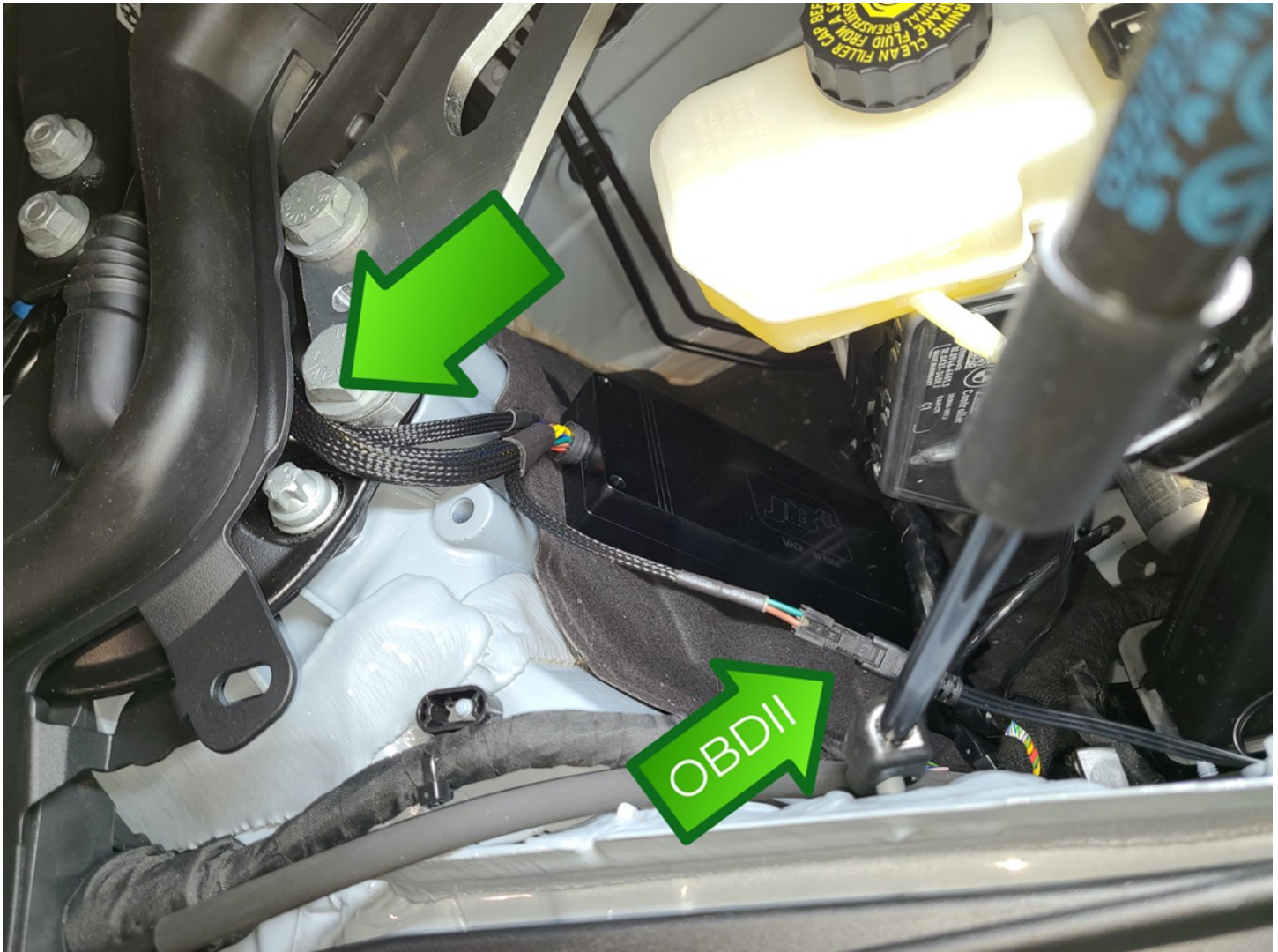
Disconnect the negative battery terminal or lock the car and wait 10 min for the ECU to go to sleep. Be sure the key is far enough away from the car to avoid waking it up. Remove both strut braces by removing these (8) 15mm bolts and (1) 13mm center bolt. Then remove the plastic tabs that hold the long intake tube. Then pull upward on the engine cover in the front and rear to remove.



Loosen right (facing the engine) clamp on the intake tube with a flat head screwdriver or a 6mm socket. Completely remove the right factory airbox from the car.

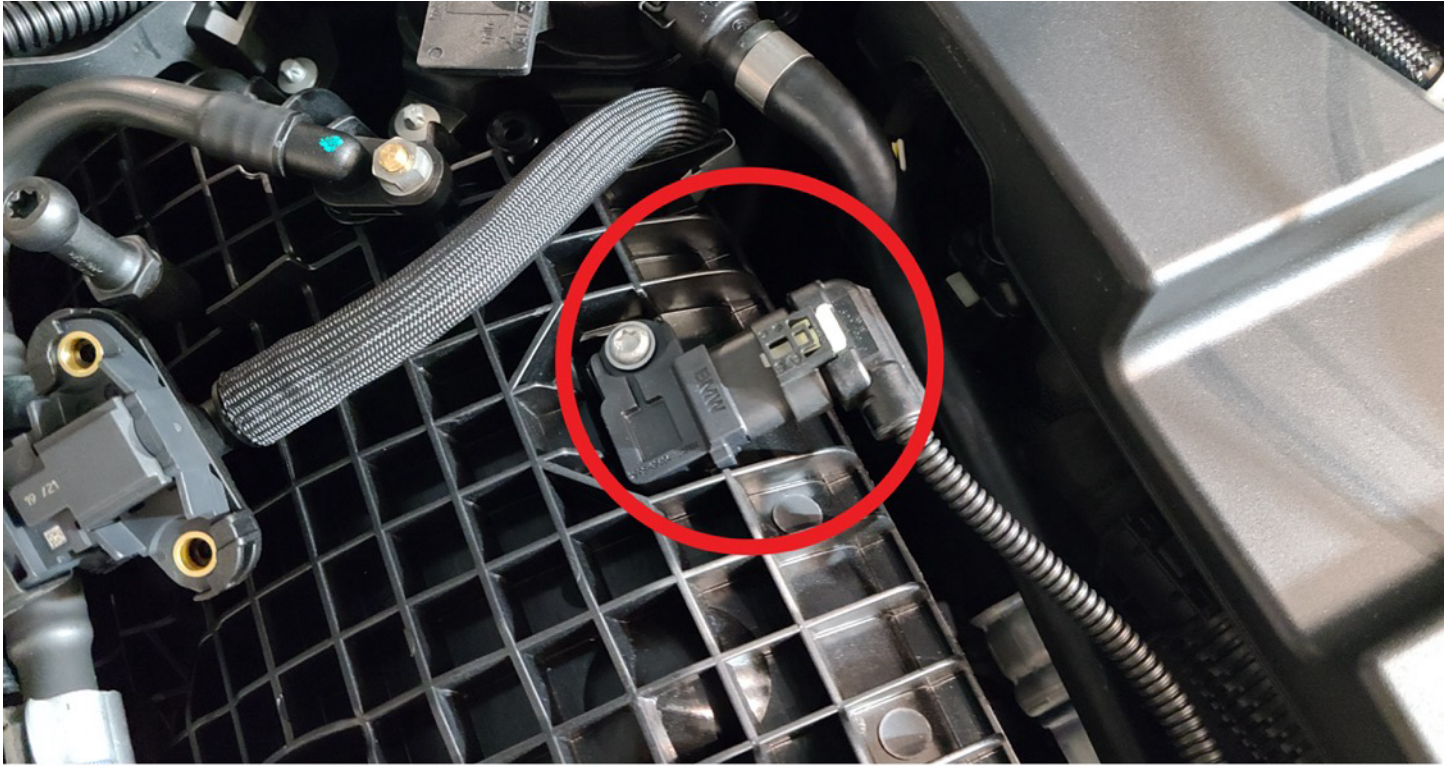


Open the cover on the right rear (facing the engine), secure the JB4 and route the wires to the engine compartment under the weather stripping and plastic.



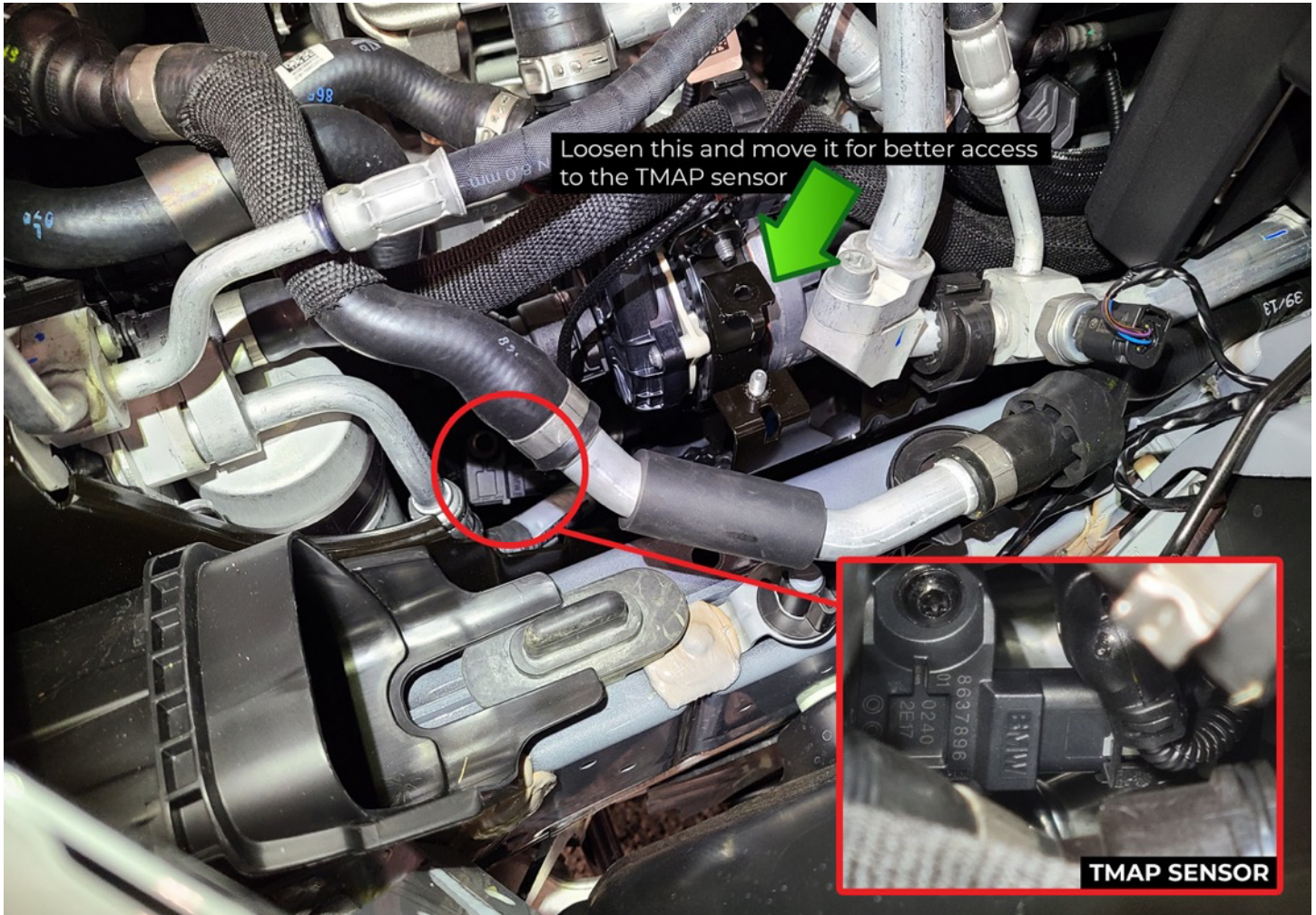
MAP SENSOR

Plug in the connector with the rainbow wires to the MAP sensor on top the intake manifold.



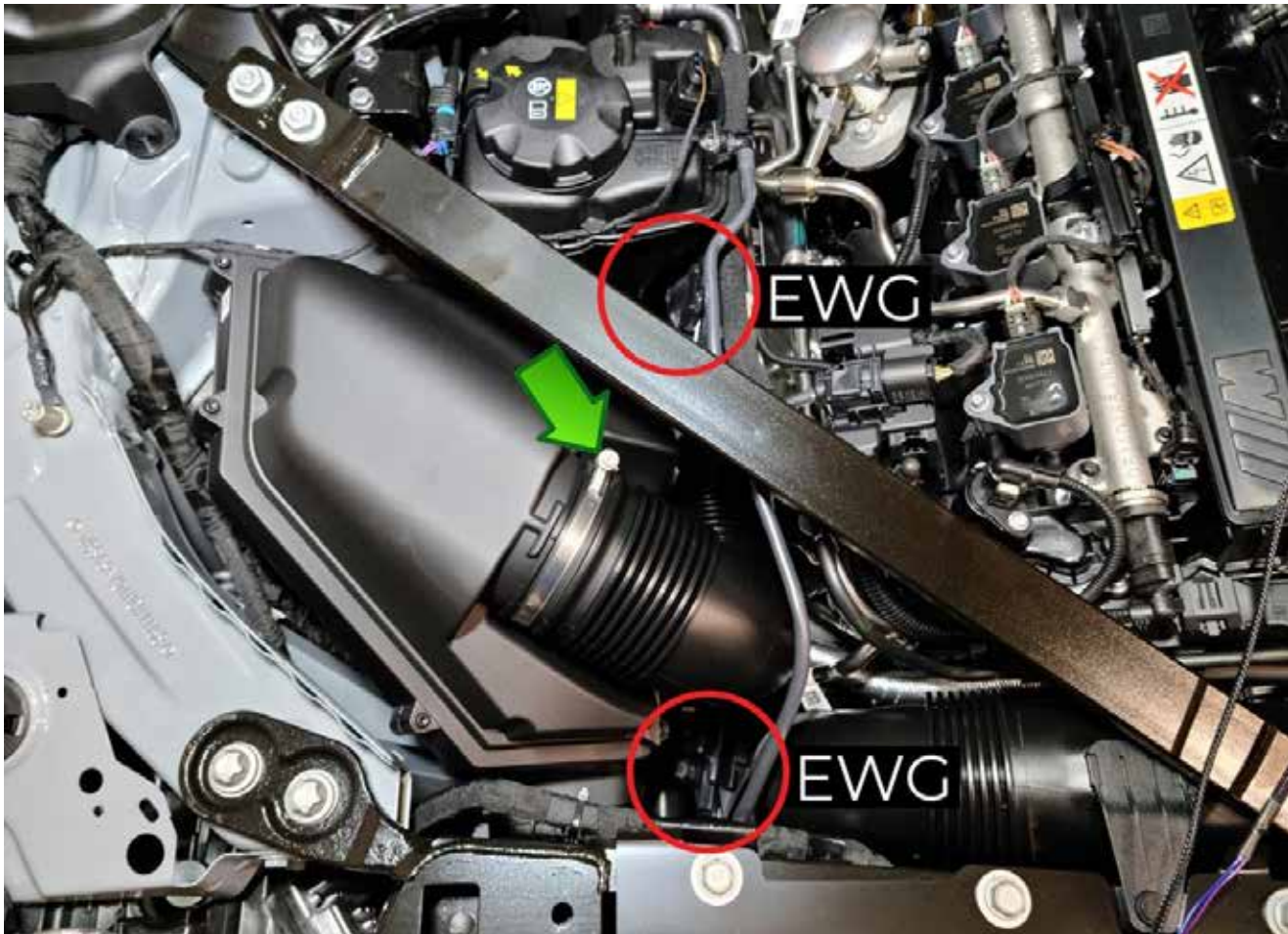
TMAP SENSOR

Plug in the connector with the brown and black wires to the TMAP sensor on the charge pipe. This connector is tricky to get to so if you're able to reach it without removing or loosening any parts you're attaching it to the wrong connector. The AC condenser pressure sensor is nearby and often confused for the TMAP sensor.



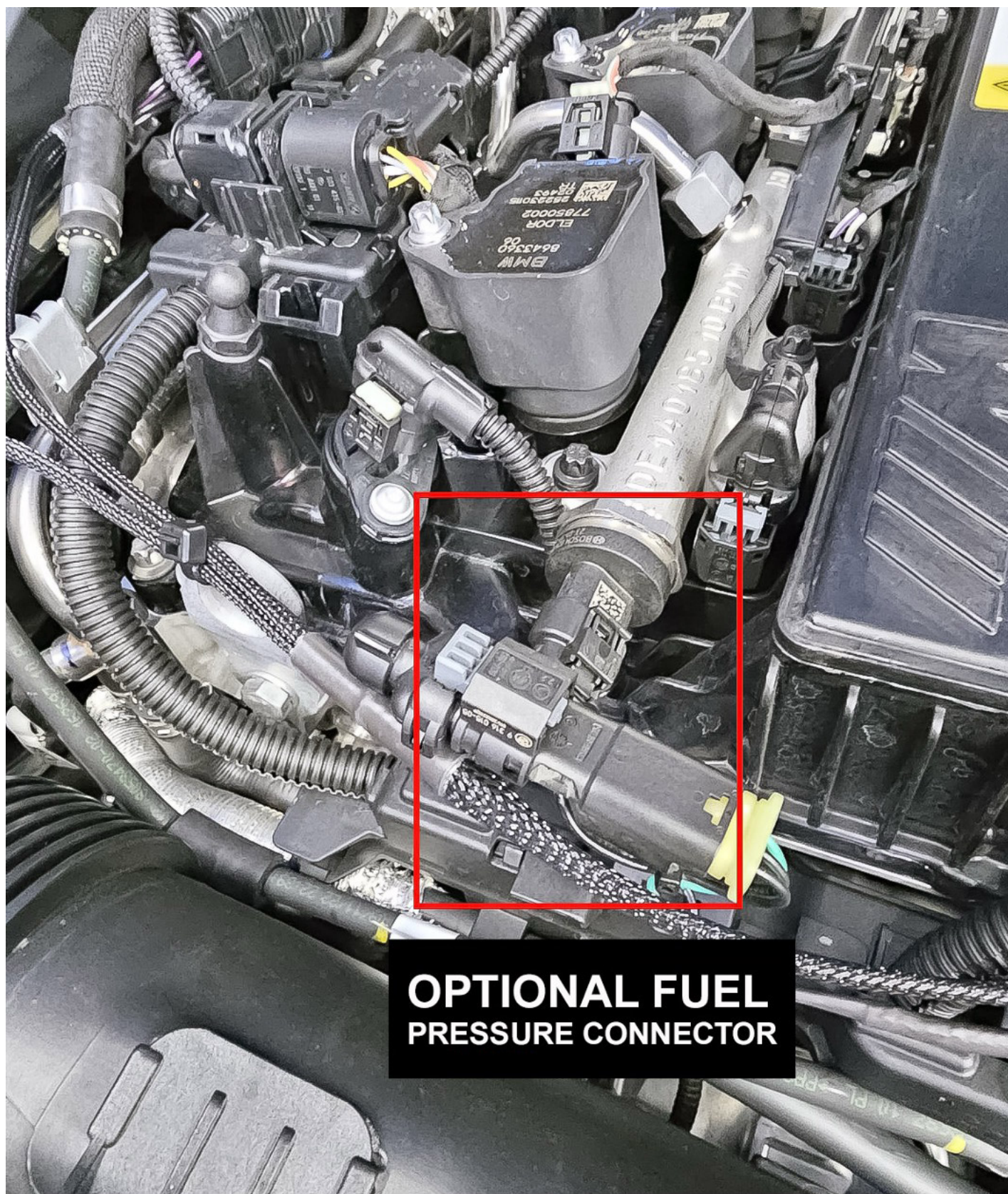
OPTIONAL ELECTRONIC WASTEGATE (EWG) CONNECTORS

Plug in both EWG connectors with the black, purple, and blue wires on the left side of the motor (looking at the vehicle). To do this you the factory airbox should be removed the same way as the right side. Either wire can connect to either connector. Note some newer ECU versions may throw false alarm fault codes with these connections attached. Faults will generally start with "123" such as "123401". If you have these faults simply revert the EWG connectors to factory for now, we will enable them via a future JB4 firmware update.



Optional Fuel Pressure Connector

Optional fuel-pressure connection. This is the 5th connection 3 pin connector with 1 green wire and 2 black wires. Installs on the front top of the motor on the fuel pressure rail.



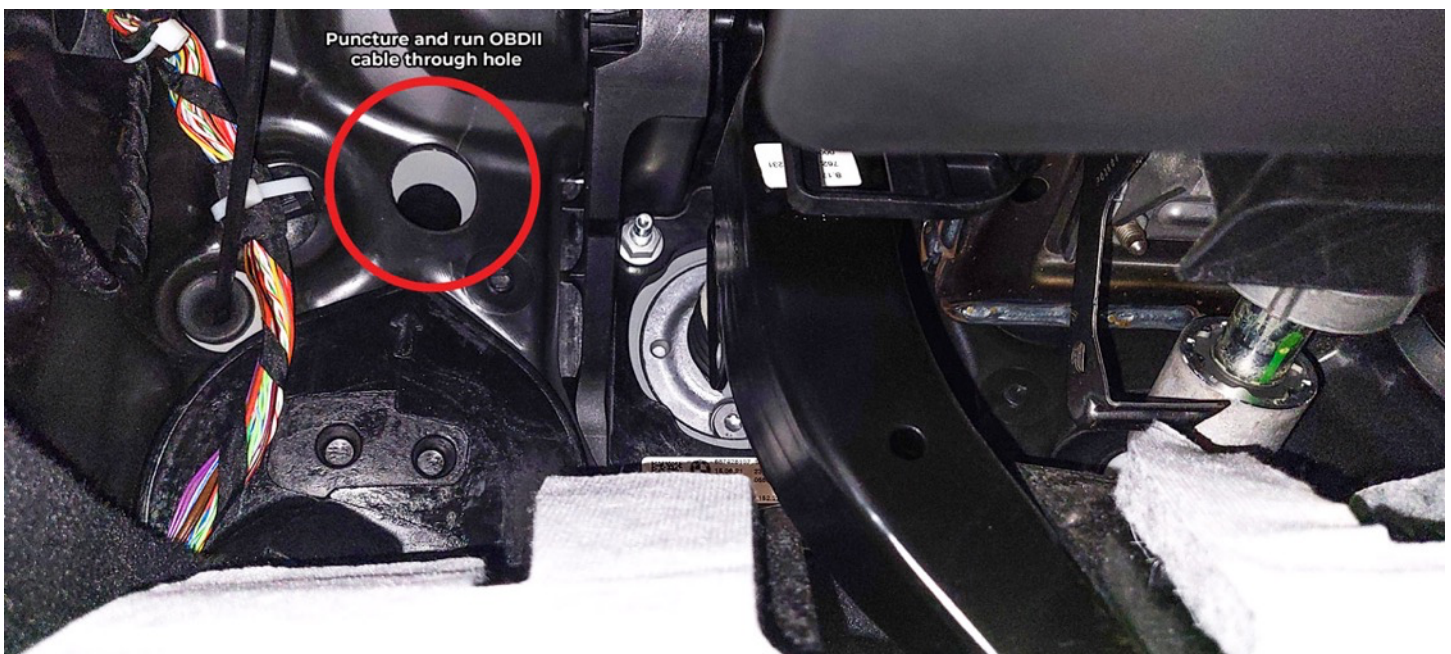
**OPTIONAL FUEL
PRESSURE CONNECTOR**

OBDII Connection

The OBDII plug can be found under above the pedal of the car.



The small end of the wire can be pushed through a to the engine bay by puncturing the grommet found in the front footwell above the pedals. The cover can be easily removed by turning the two fasteners by hand.



Alternatively, the OBD wire can be routed around the doorstop for a quick install method.



When connecting the small plug to the JB4 be sure to orientate the plug correctly using the below picture guide.



For those equipped with the optional JB4PRO adapter and JB4PRO free app or the JB4 Mobile Connect adapter and JB4 Mobile paid app, attach the adapter as shown.

1) Open the JB4 enclosure by loosening the (4) 2.5mm Allen hex bolts and separate each half.



2) Plug the adapter into the end of the JB4 board and ensure its fully inserted before tightening the included Phillips head screws.



3) Place the JB4 in the enclosure bottom ensuring its aligned and fully flush with the alignment tabs and put back in the bottom hole plug.



4) Carefully place the top half of the enclosure. When properly aligned it will sit fully flush with the bottom half. If it's not flush, adjust the board position internally. Tightening down the screws when the board is not properly aligned may damage the JB4 control board and other components.



5) Retighten the (4) 2.5mm Allen hex screws.

6) The FREE JB4PRO app can be downloaded here.

App Store (iOS): <https://apps.apple.com/us/app/jb4-pro/id6746129072>

Play Store (Android): <https://play.google.com/store/apps/details?id=com.burgertuning.jb4pro>

NOTE: The JB4 always remains on the last map/settings selected, you only need to connect if you want to change maps, monitor engine data, or change settings!