

BMS Elite 2021+ G80 M3 G82 G83 M4 S58 JB4 Install Guide

Last updated January 7, 2022

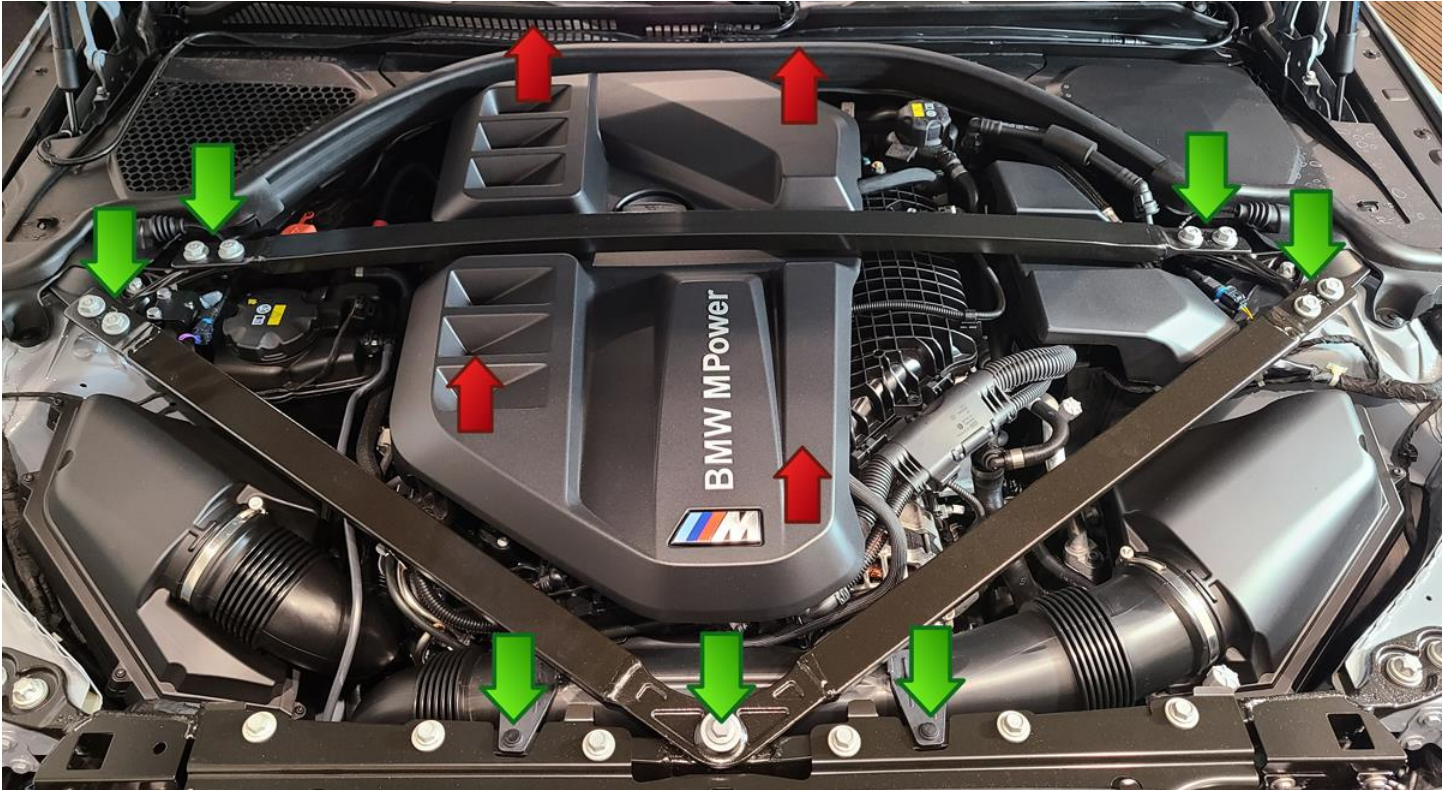
Use subject to terms and conditions posted at <https://burgertuning.com/pages/terms>

THIS PART IS LEGAL FOR USE ONLY IN COMPETITION RACING VEHICLES AS DEFINED UNDER CALIFORNIA LAW AND IS NOT LEGAL FOR USE IN ANY OTHER MOTOR VEHICLE. California law defines a "racing vehicle" as "a competition vehicle not used on public highways." (Calif. Health & Safety Code 39048) This part may only be used on competition racing vehicles operated exclusively on a closed course in conjunction with a sanctioned racing event. Competition-only motor vehicles may not be driven to a racing event on a public highway and must be transported on a trailer or other carrier. USE OF THIS PART IN ANY OTHER VEHICLE MAY SUBJECT YOU TO FINES AND PENALTIES FOR VIOLATION OF FEDERAL AND/OR STATE LAW, WILL VOID YOUR WARRANTY FROM BURGER MOTORSPORTS, INC, AND CAN VOID YOUR VEHICLE'S WARRANTY. It is your responsibility to comply with all applicable federal and state laws relating to the use of this part, and Burger Motorsports, INC hereby disclaims any liability resulting from the failure to use this part in compliance with all applicable federal and state laws.



OPTIONAL JB4 APP SHOWN

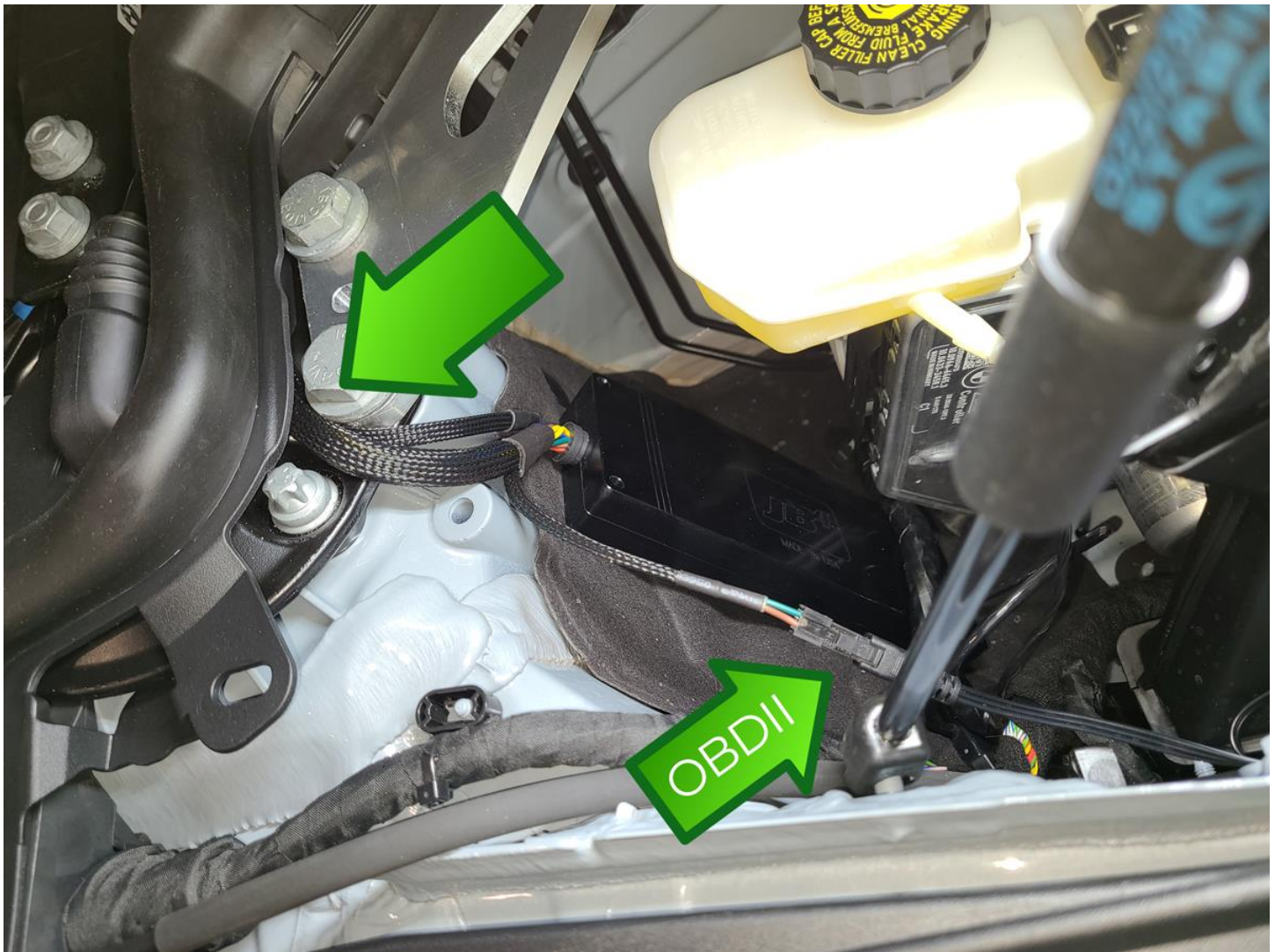
Disconnect the negative battery terminal or lock the car and wait 10 min for the ECU to go to sleep. Be sure the key is far enough away from the car to avoid waking it up. Remove both strut braces by removing these (8) 15mm bolts and (1) 13mm center bolt. Then remove the plastic tabs that hold the long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

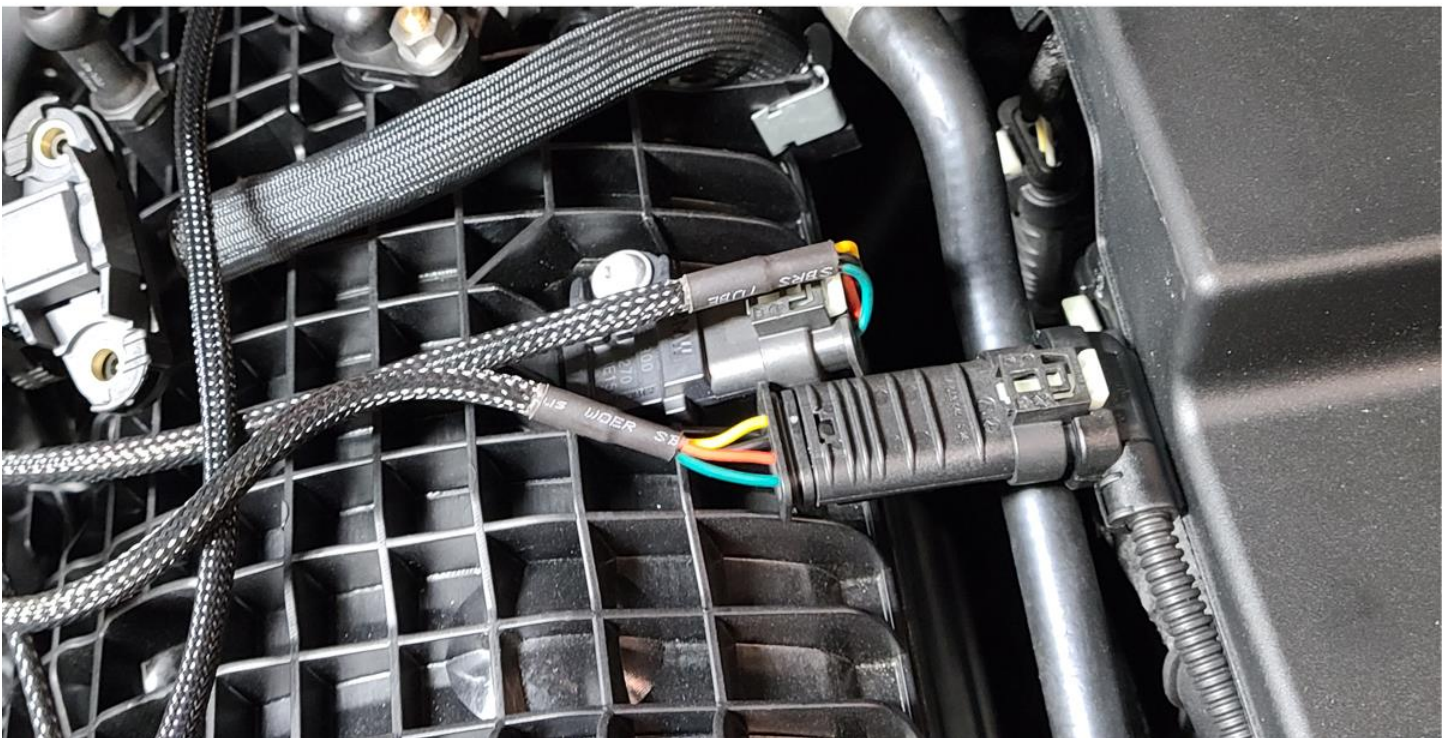
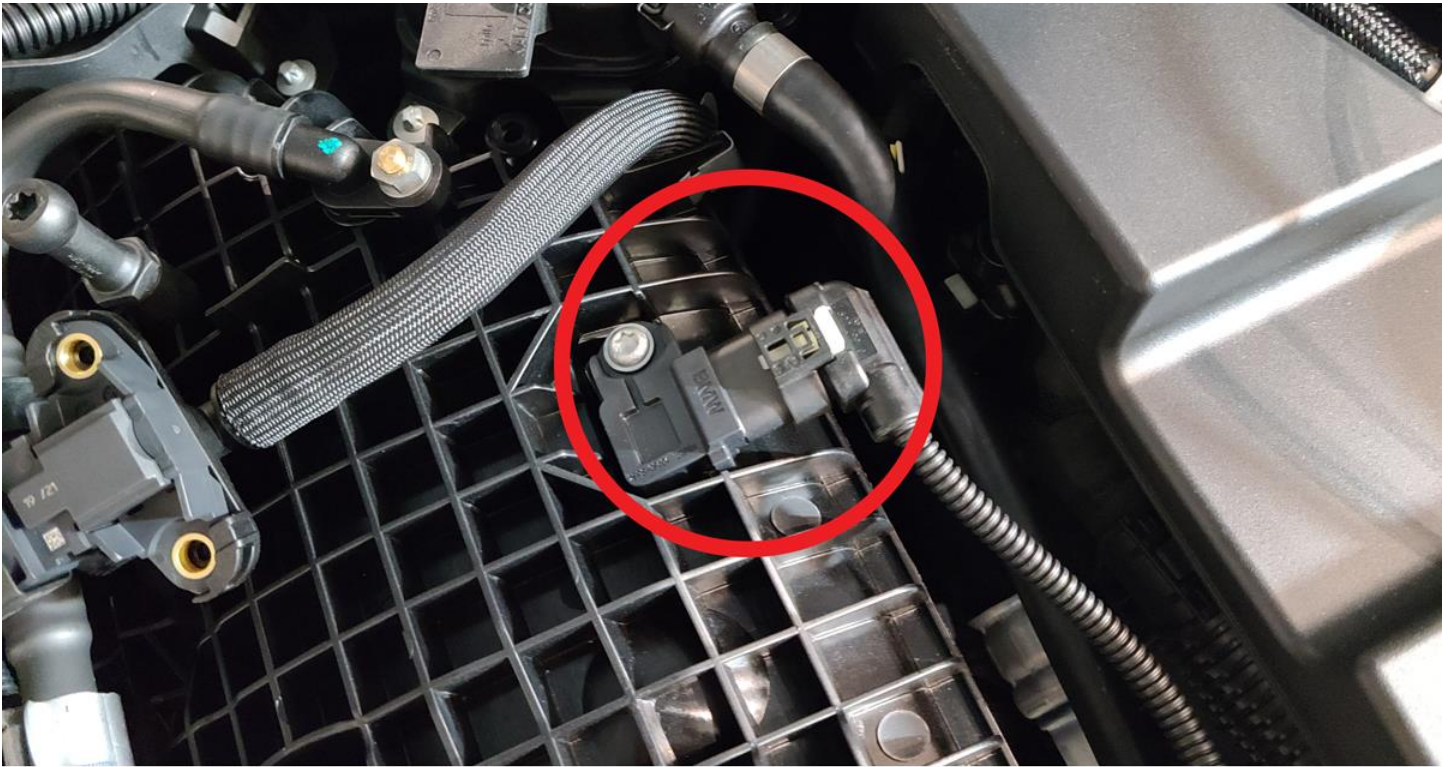


Open the cover on the right rear (facing the engine), secure the JB4 and route the wires to the engine compartment under the weather stripping and plastic.



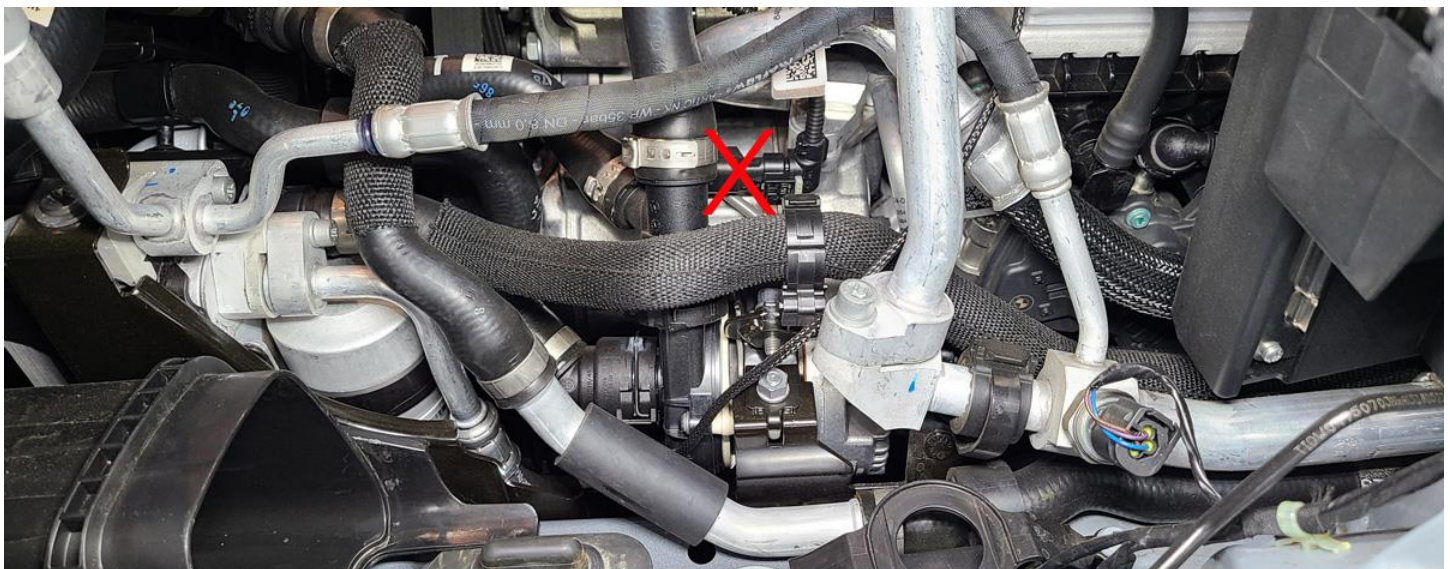
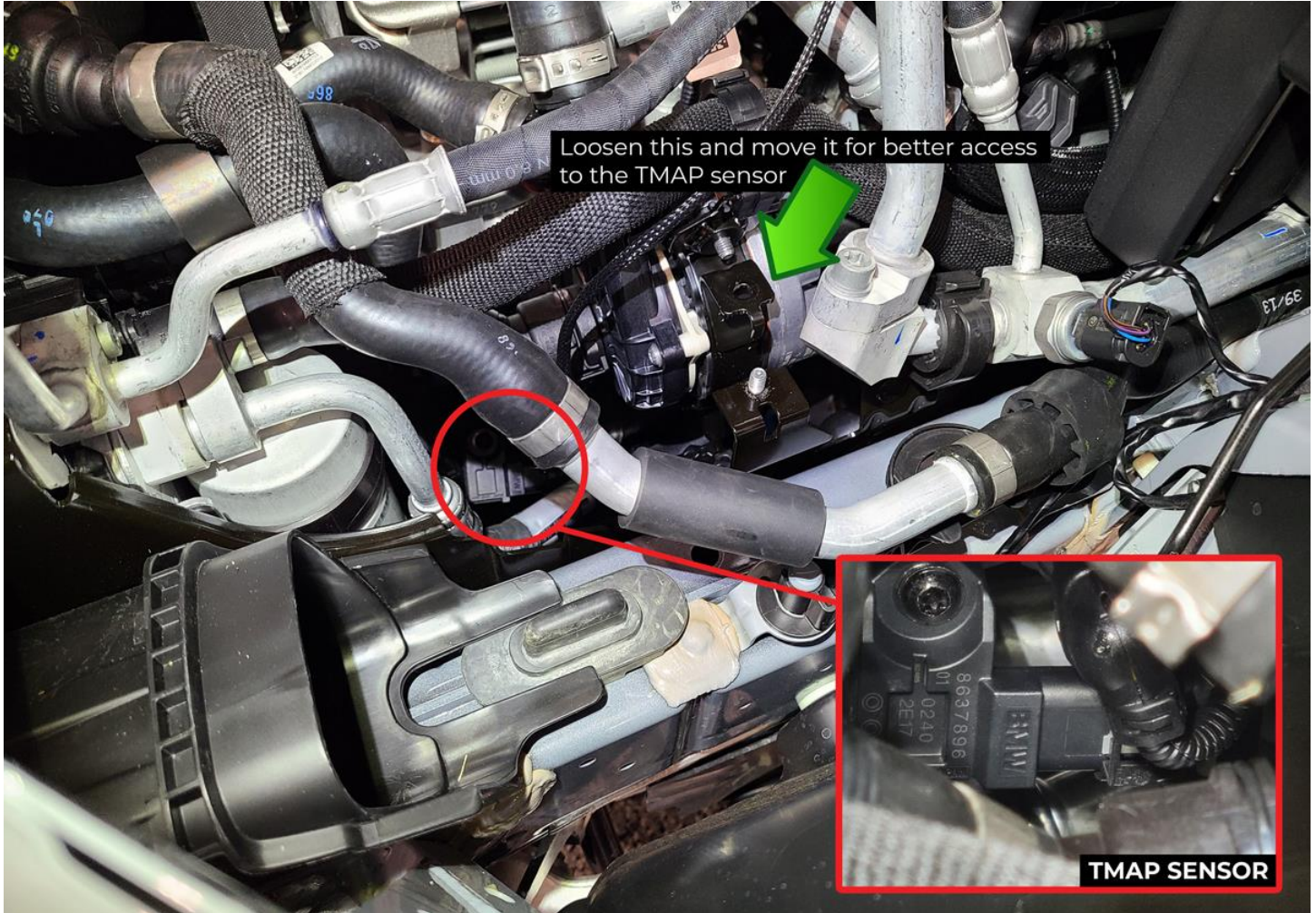
MAP SENSOR

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



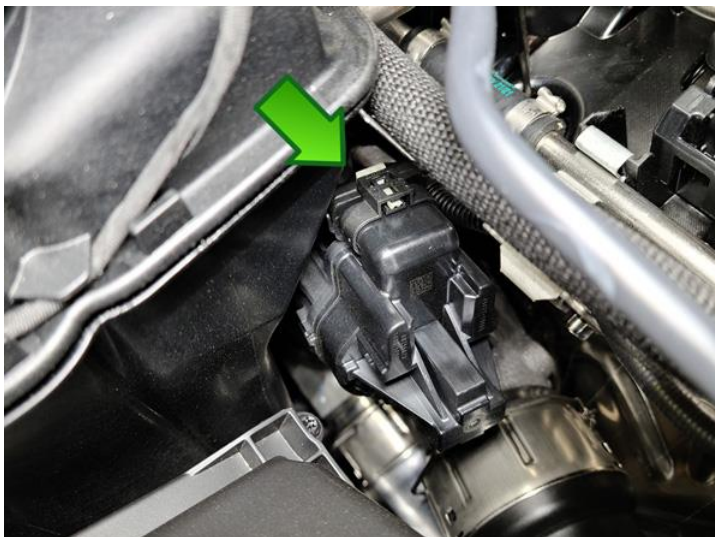
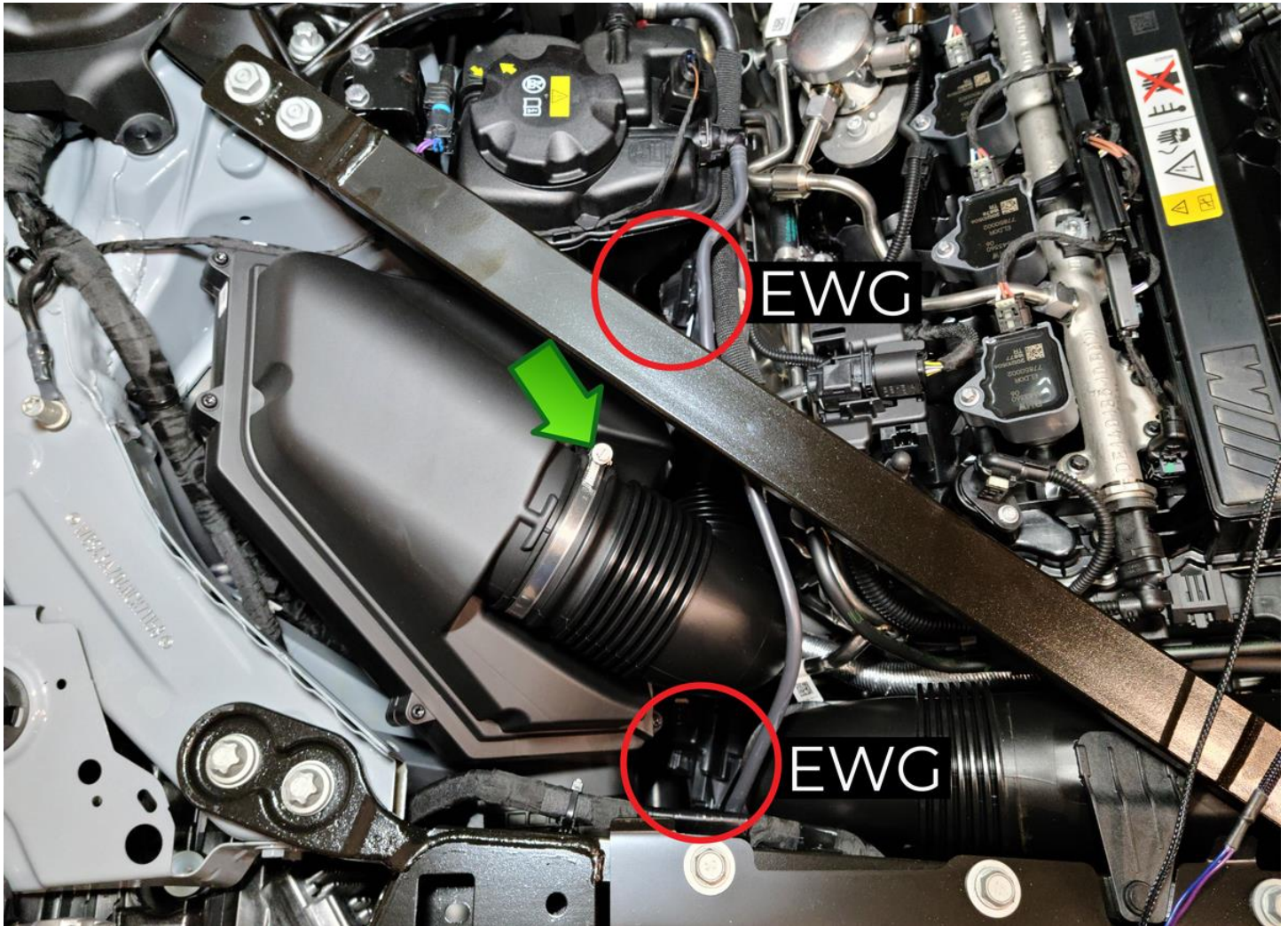
TMAP SENSOR

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.



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.



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.



If you have opted for the Bluetooth module or data cable the end connects directly to the JB4 as per the below guides. Windows software can be found at:

<http://www.n54tech.com/forums/showpost.php?p=197021&postcount=1>

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.



