

JB4 for 2022+ Jeep Wagoneer/Grand Wagoneer 3.0L TT Install Guide

Last updated 3/12/24

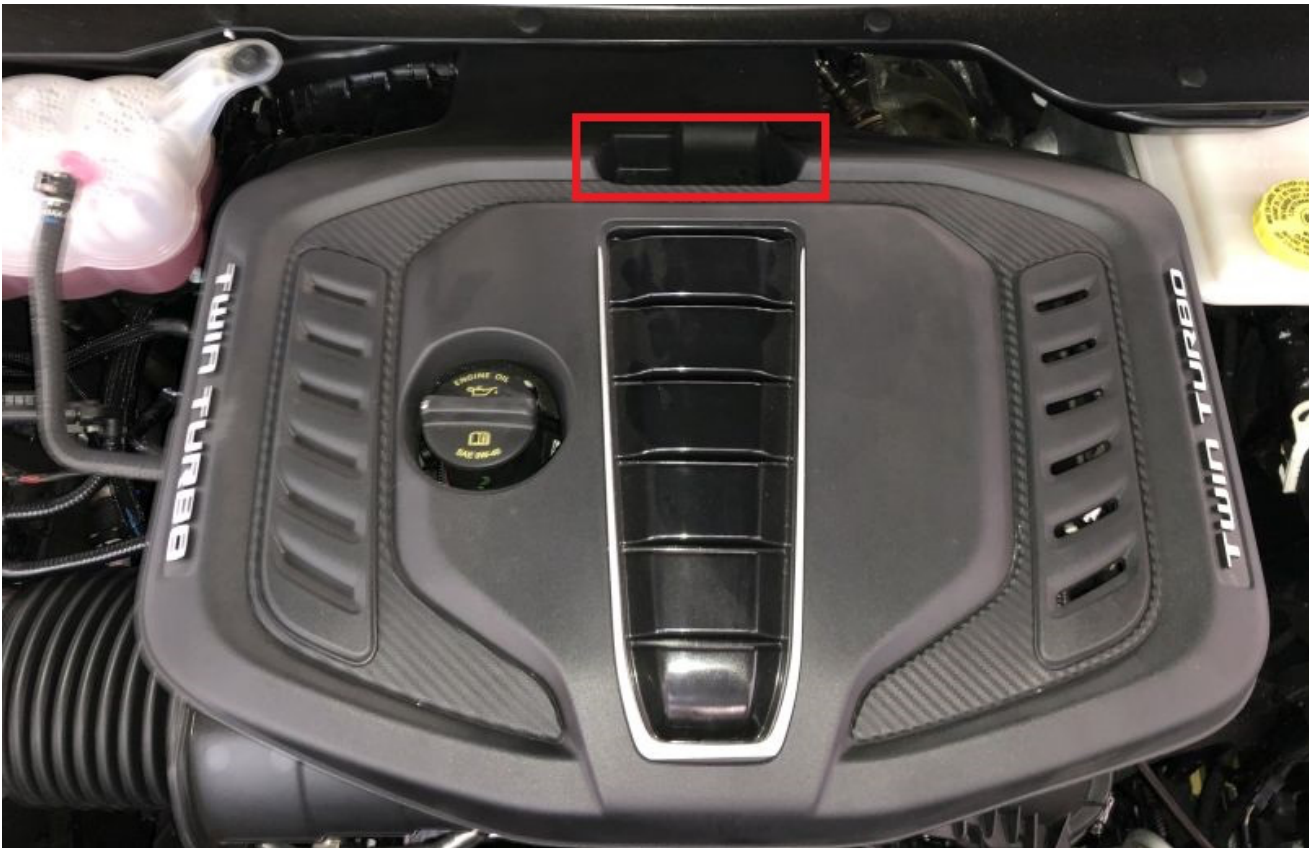
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OPTIONAL JB4 APP SHOWN

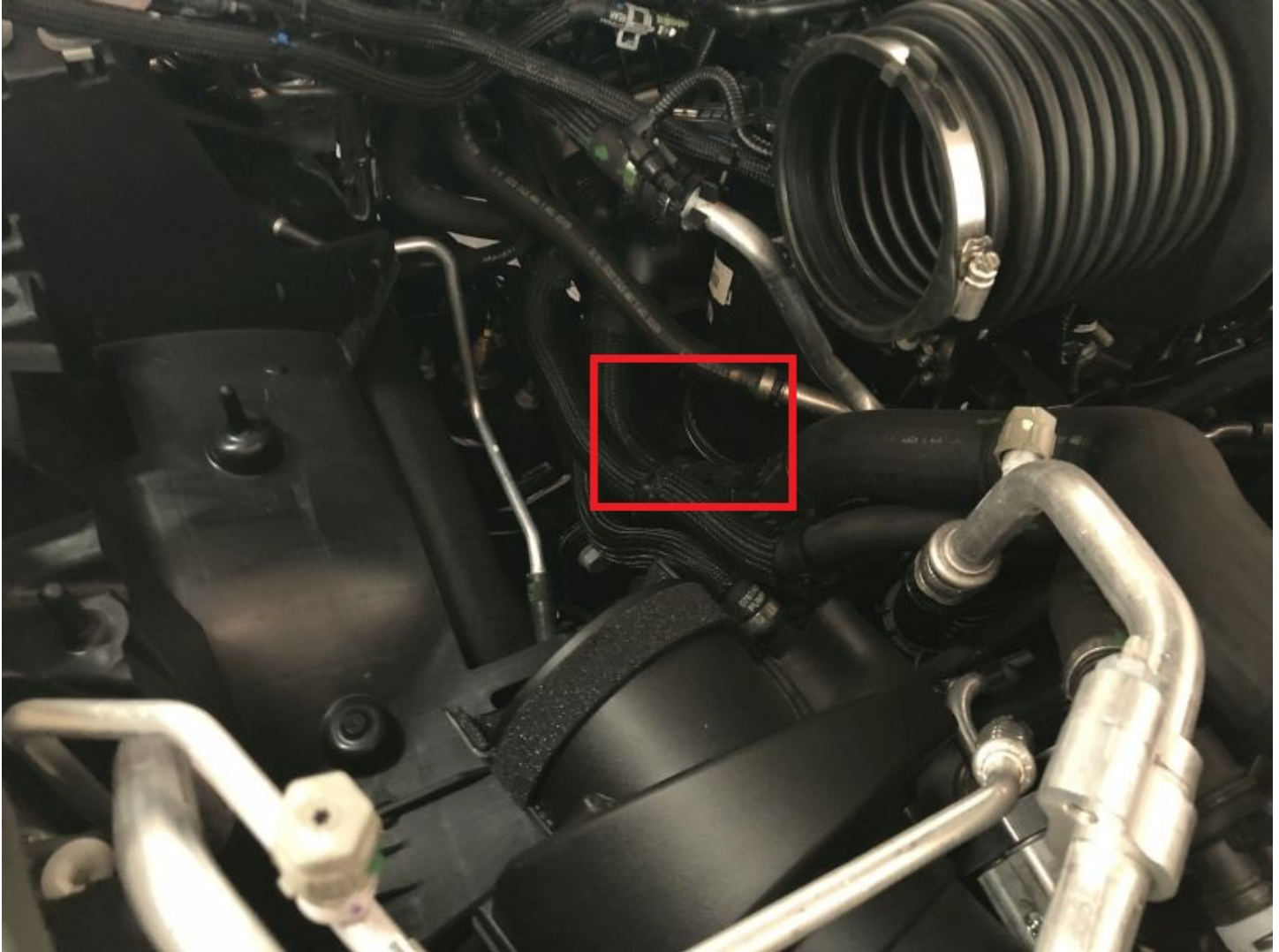
Remove engine cover by undoing the bolt holding it down.

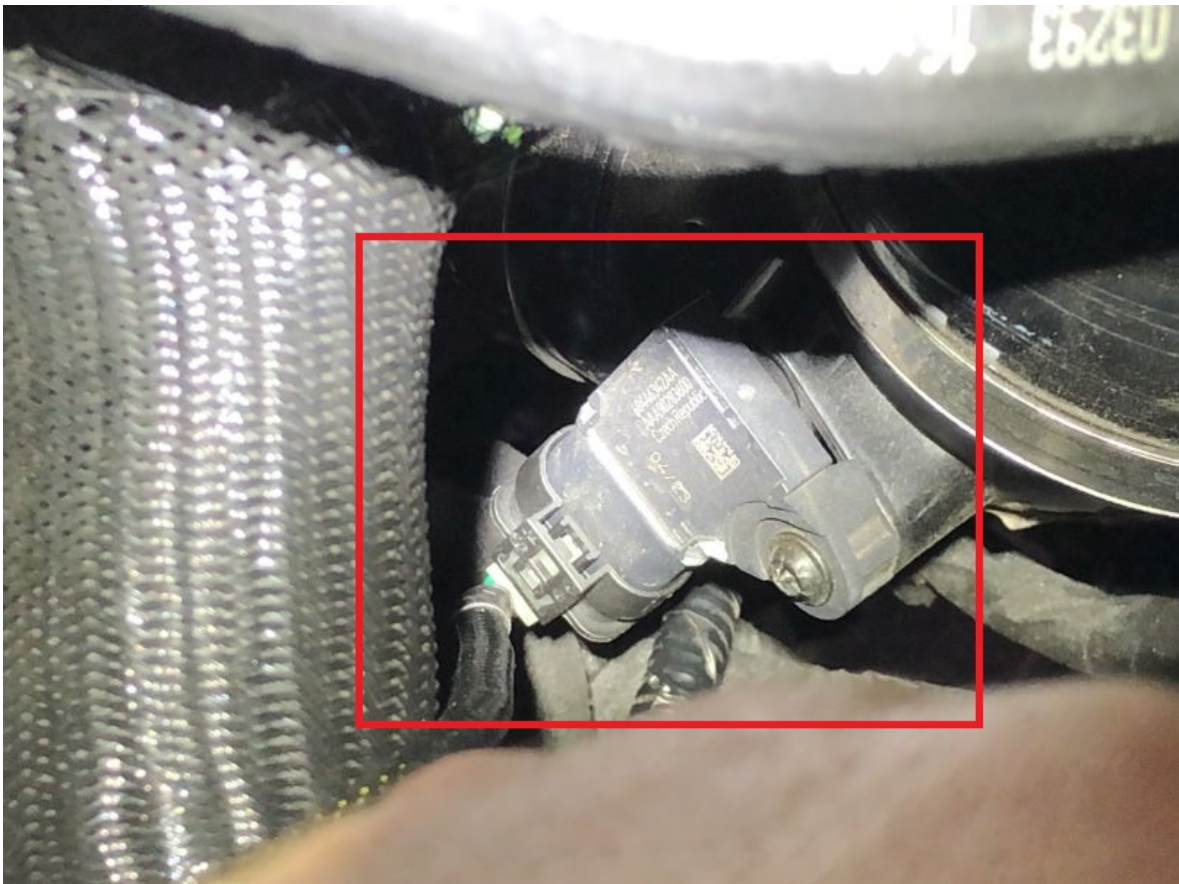
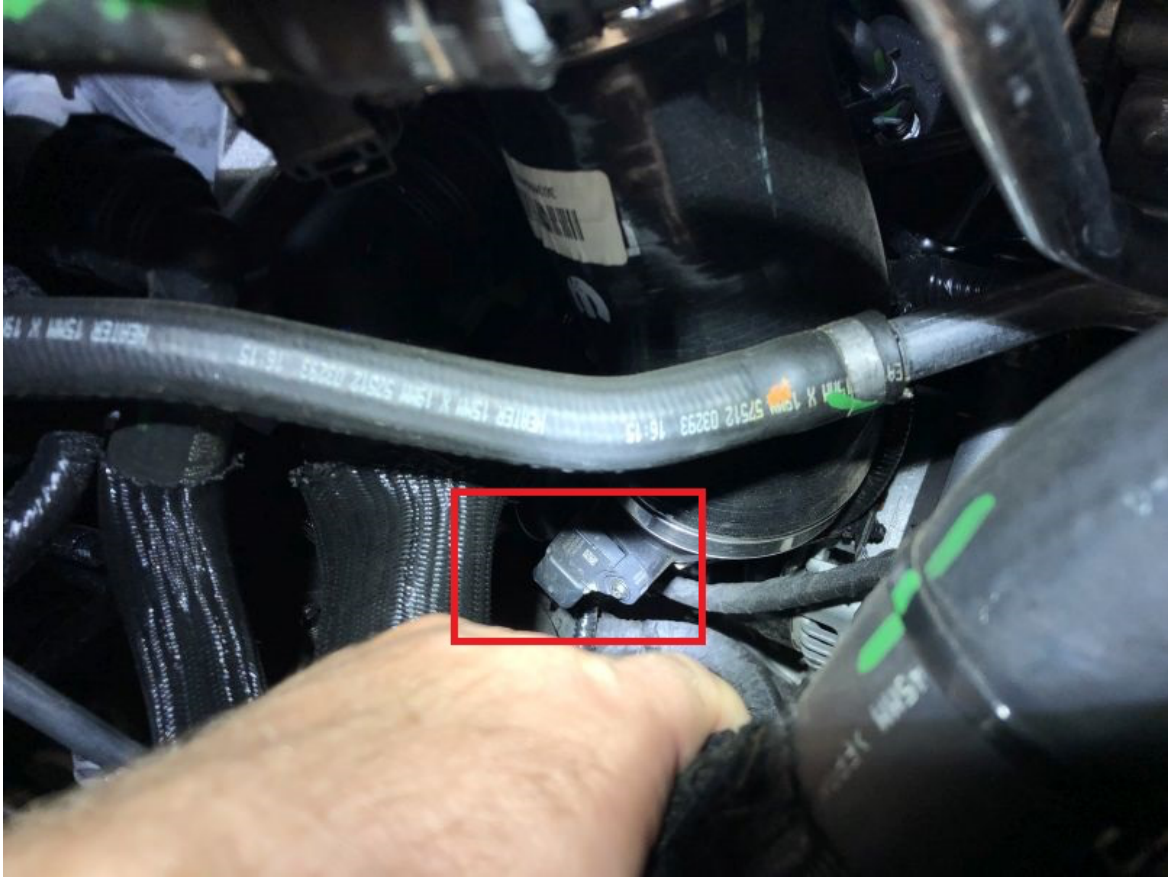


Remove the intake box by undoing the MAF connector and the worm clamp. Then pull up on the intake box to remove from the grommets.

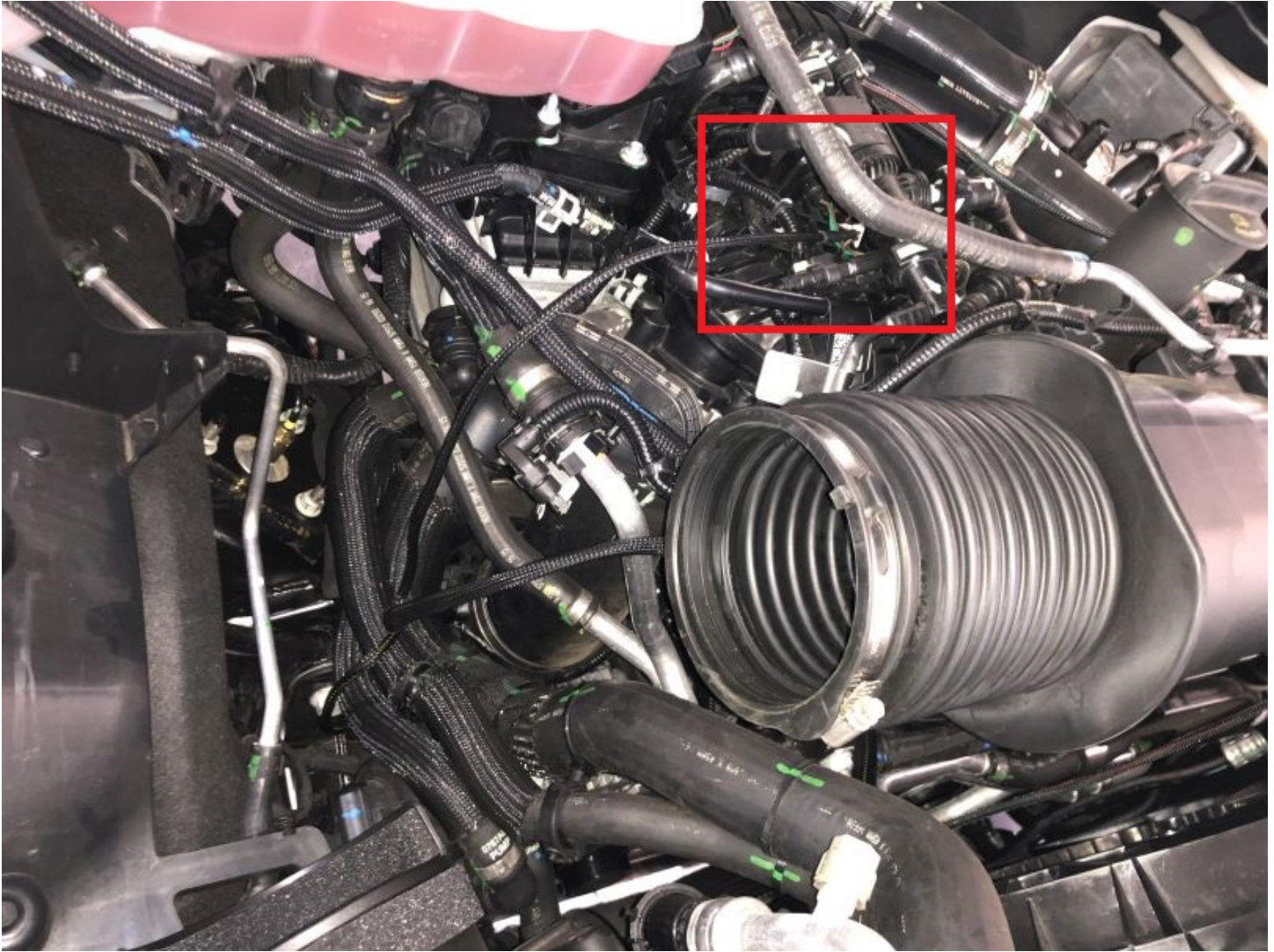


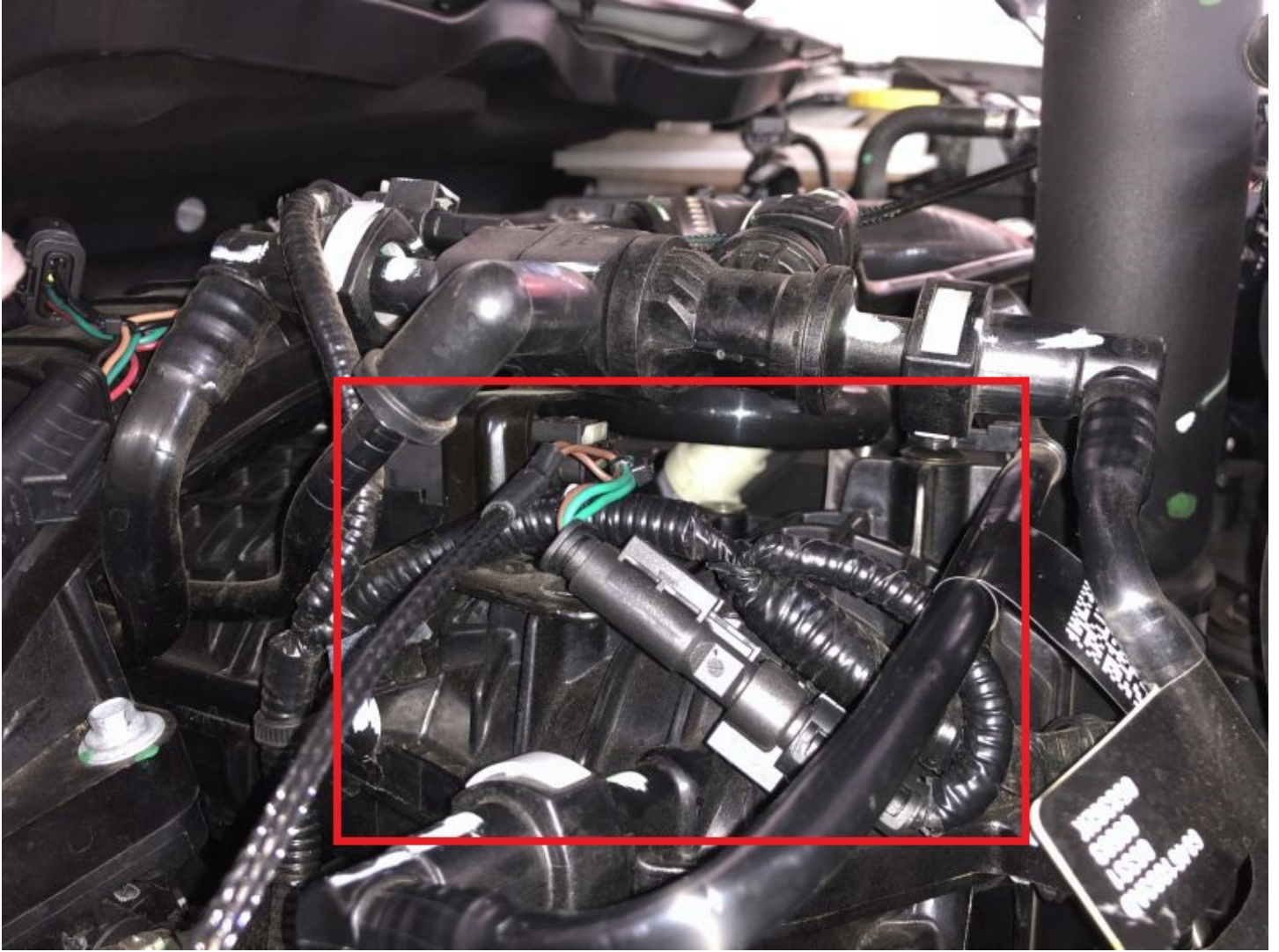
4 wire connectors (Red, Yellow, Black, Green) will connect to the charge pipe sensor. Remove OEM connector from the sensor and plug into the JB4, the other connector from the JB4 will go into the sensor.





3 wire connectors (Green) will connect to the intake manifold sensor.
Remove OEM connector from the sensor and plug into the JB4, the other connector from the JB4 will go into the sensor.





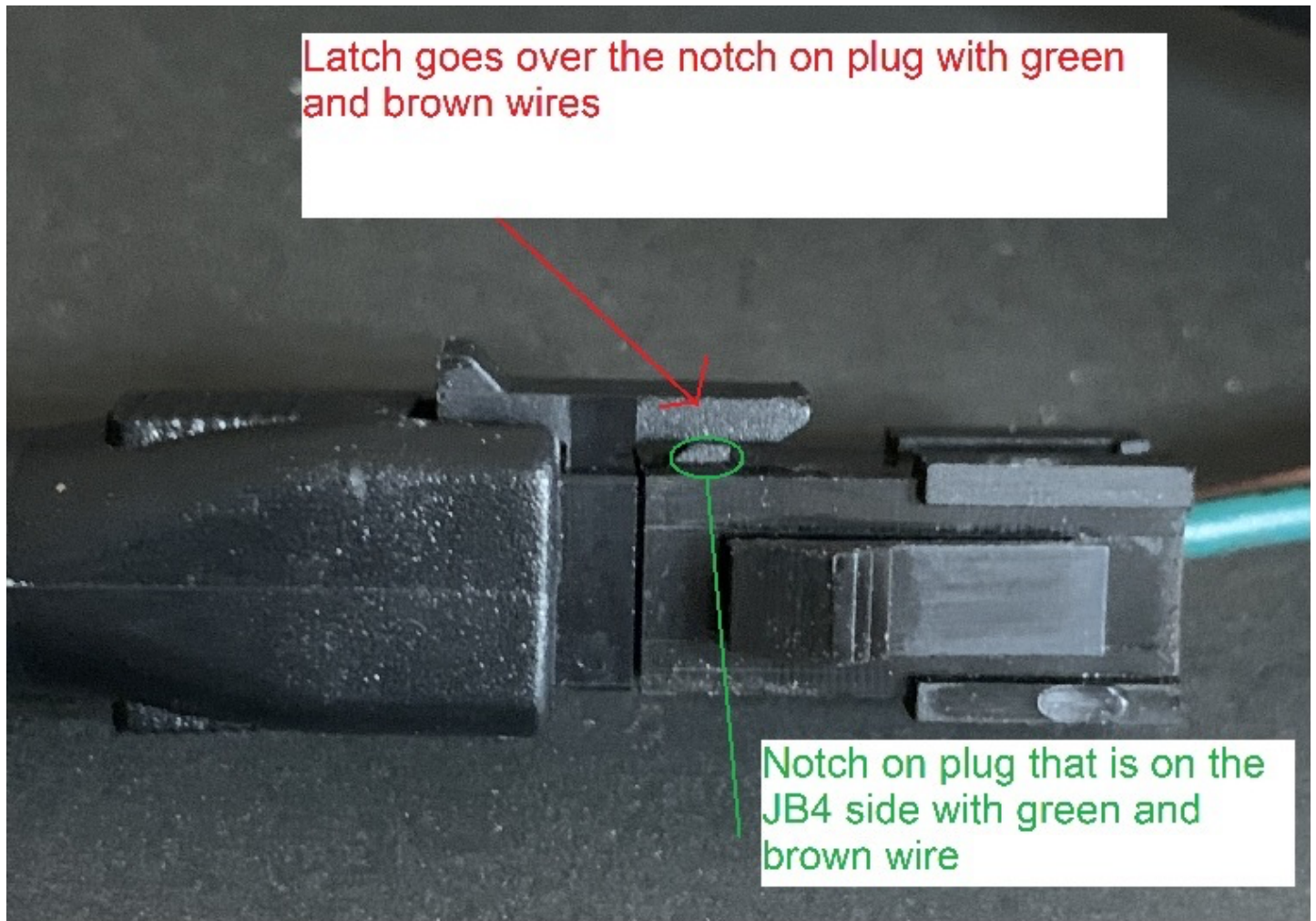
CANbus/OBDII connector: green/brown wires on JB4

Vehicle can now be unlocked, and doors opened as OBDII can be installed/connected with vehicle awake. This optional connector attaches to the OBDII port to allowing the JB4 to take in additional advanced engine parameters to incorporate in to tuning and logging via the app. It can be routed the “quick” way around the door jamb, or the “clean way” through a grommet in the firewall.

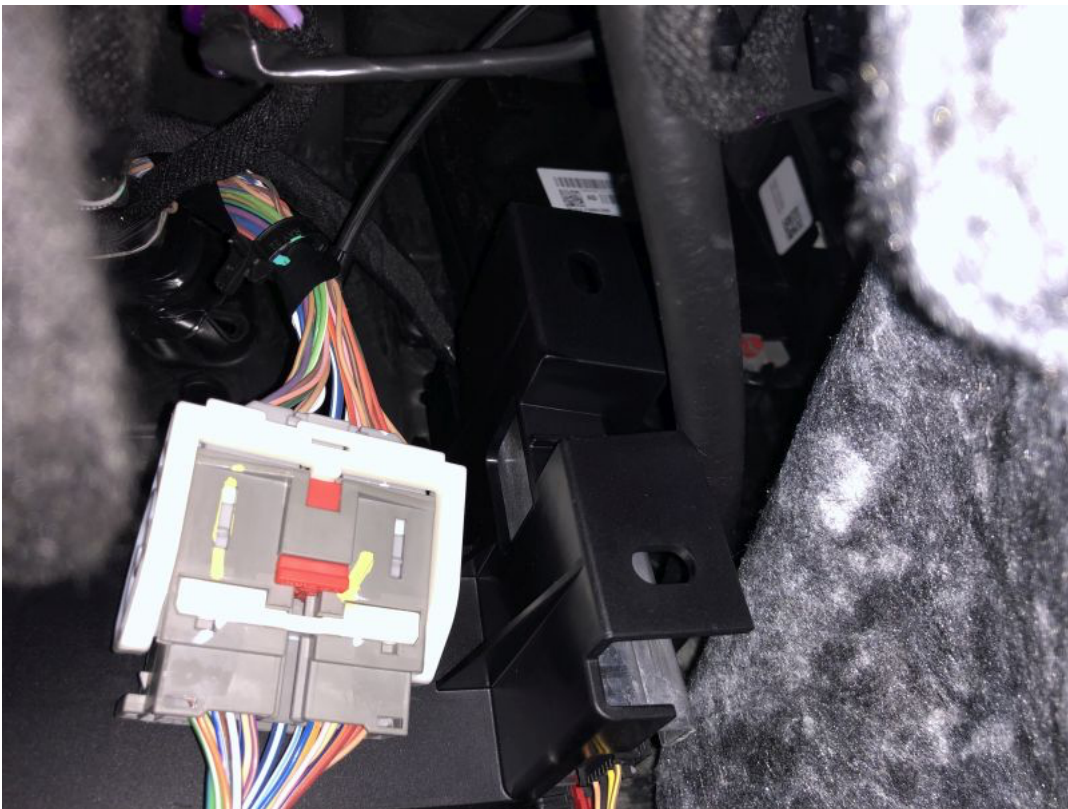


Connect and route the OBD2 from inside the car to the JB4 system by plugging the OBDII cable to the matching JB4 connector.

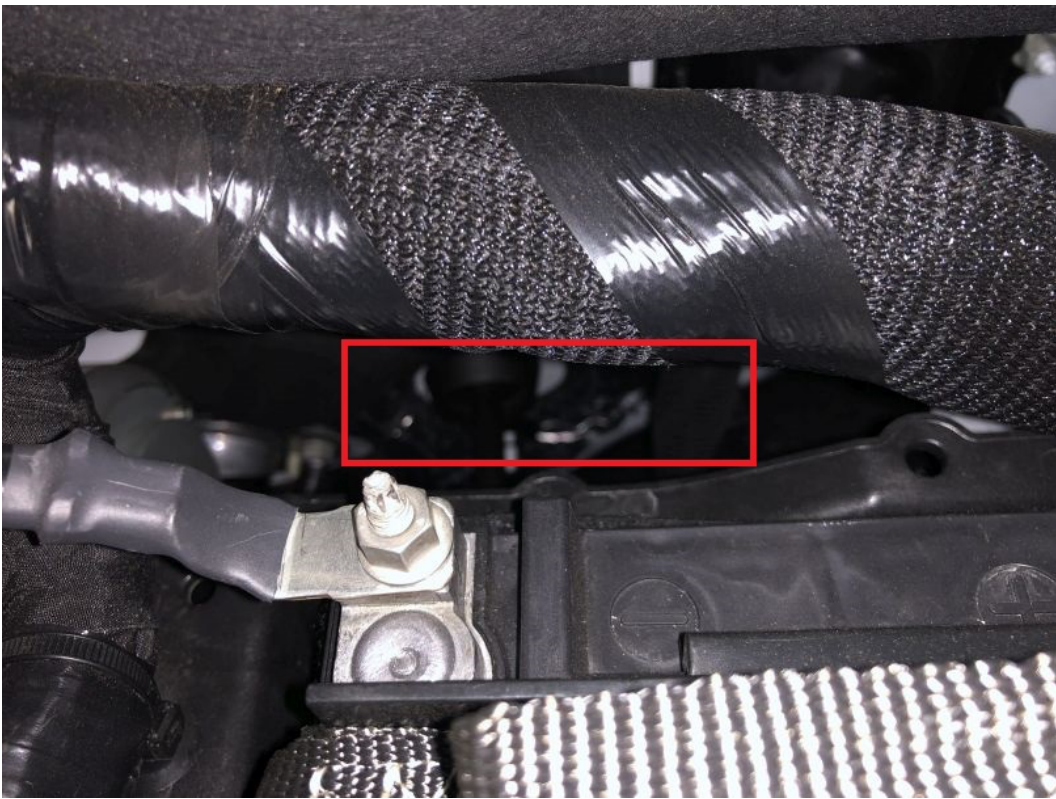
Note orientation should be as shown. If you're able to connect to the JB4 with the app but only see boost and map data, but no other data, then likely the OBDII cable is misaligned, loose, or damaged.



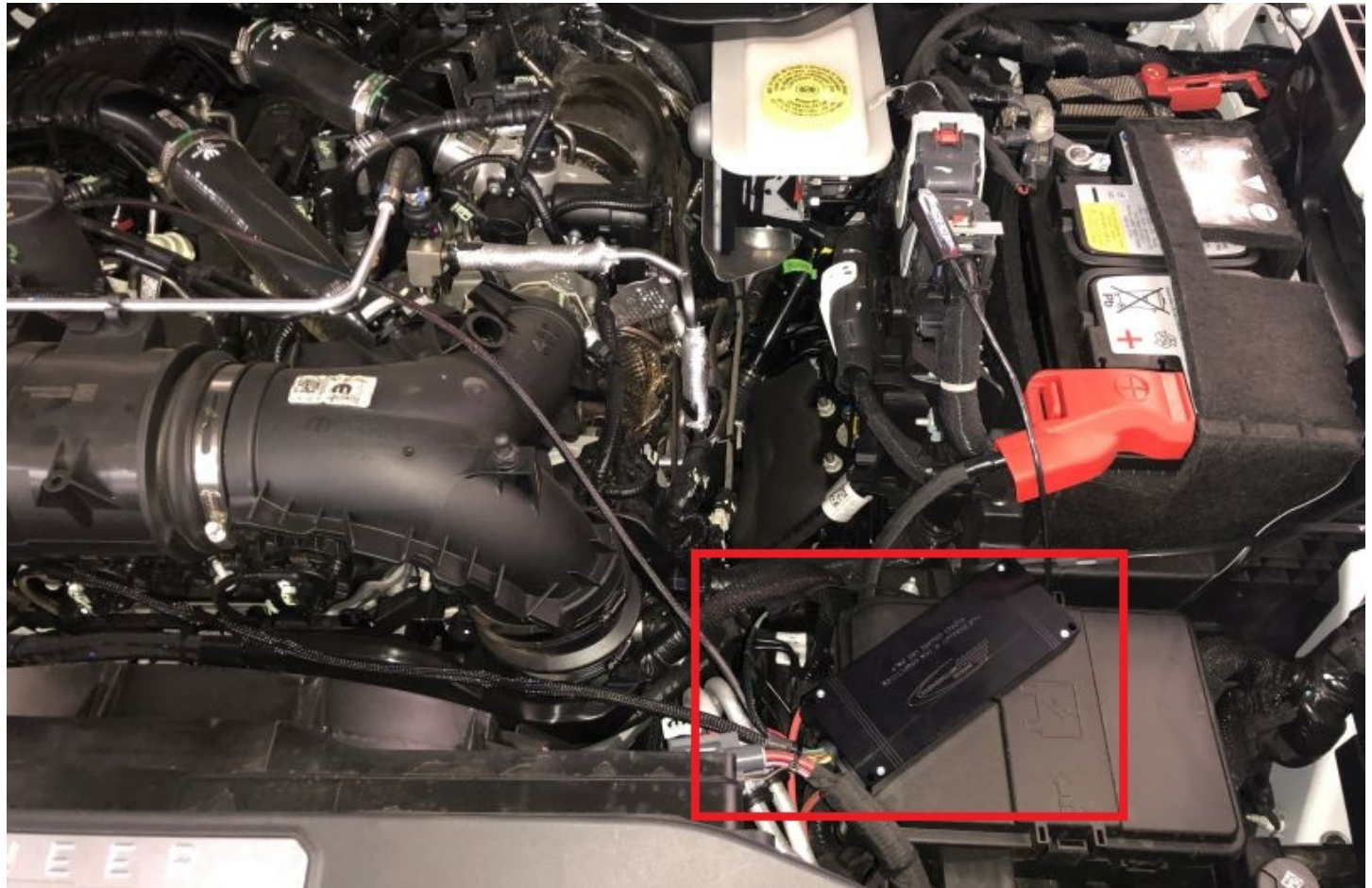
Undo the tabs to lower the panel and route the OBDII wire through the firewall.



The wire can go through the firewall behind the battery or through the door jamb. Connect to the JB4, make sure orientation is correct and the locking tabs align.



Secure the JB4 down.



Put the engine cover back on and tighten the bolt. Installation is now complete. The JB4 comes preset to Map 1.



Installation is complete! The JB4 comes preset to map1 which is suitable for all 91+ octane fuel. Refer to the map guide within the app or the jb4tech.com JB4 support thread for the platform for the full map guide.

If you've opted for the optional JB4 mobile adapter for smartphone integration attach that to the JB4 at this time. Open the enclosure and screw it into the JB4 control board as shown.

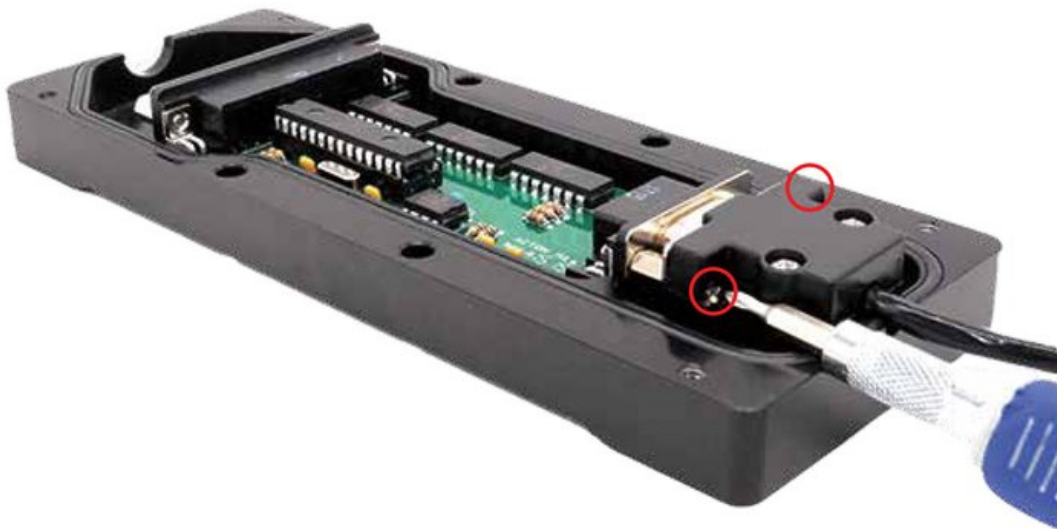
JB4 Connect Kit (Pinned Power) Install Guide

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.

