

2022+ Toyota Tundra 3.5L Turbo JB4 Install Guide

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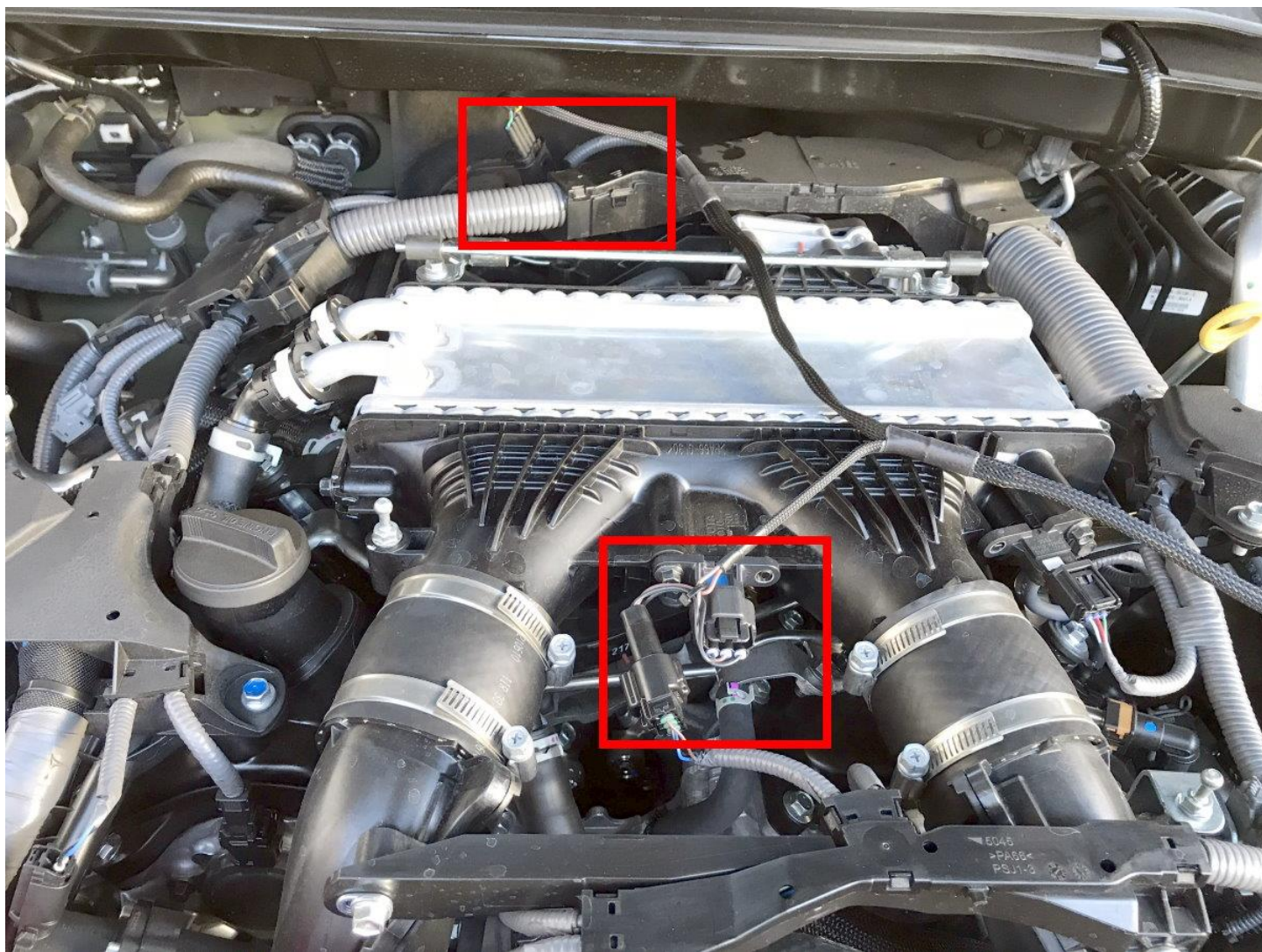
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OPTIONAL JB4 APP SHOWN

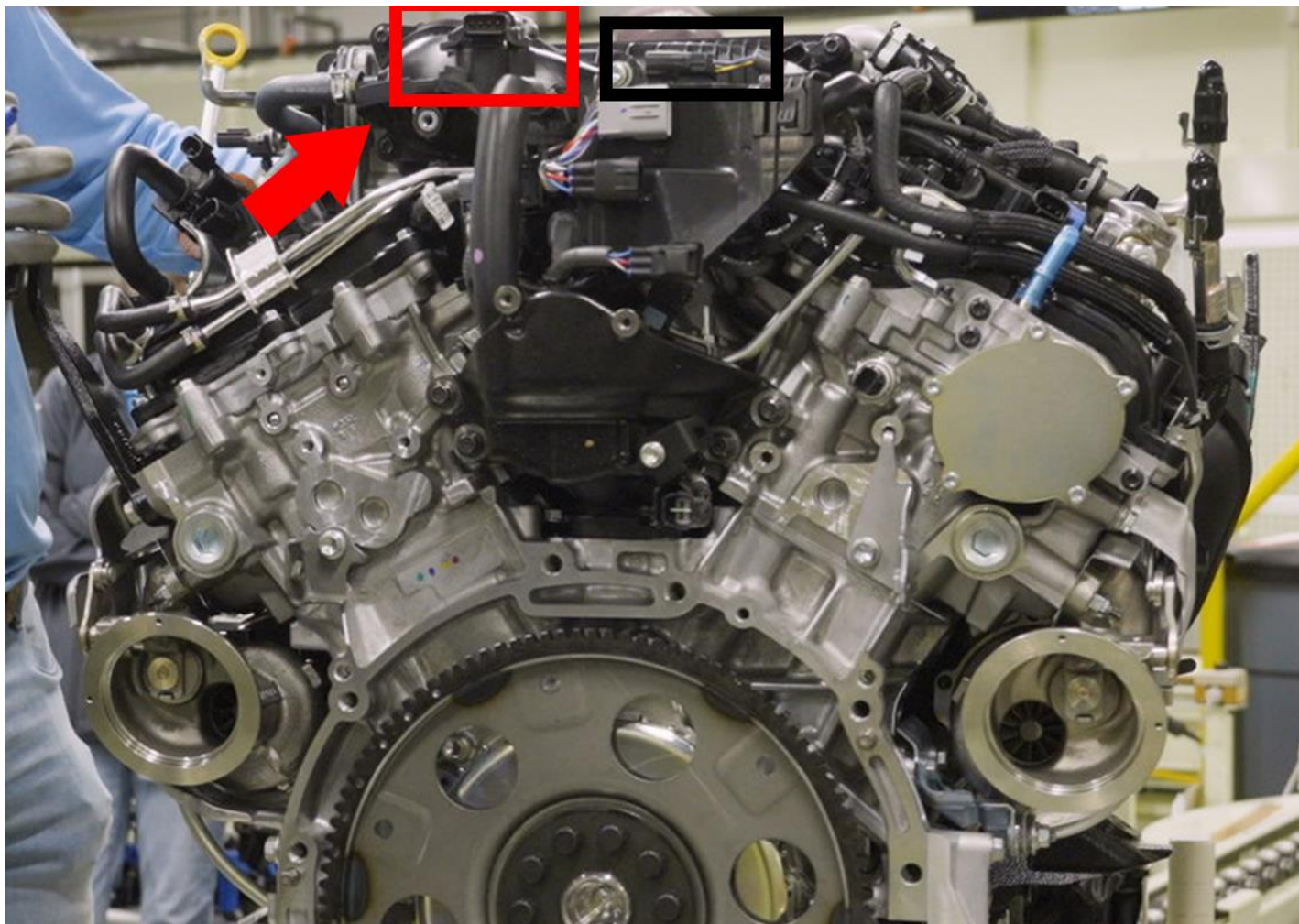
Before starting installation lock the doors, and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

Lift off the plastic engine cover and place it aside. The JB4 connects to two MAP connections under the hood. The JB4 yellow/red wire goes to the rear most sensor while the brown connection goes to the front most sensor. To attach unclip the factory sensor, plug the JB4 in to the sensor, and plug the factory harness in to the remaining JB4 harness connection completing the loop.

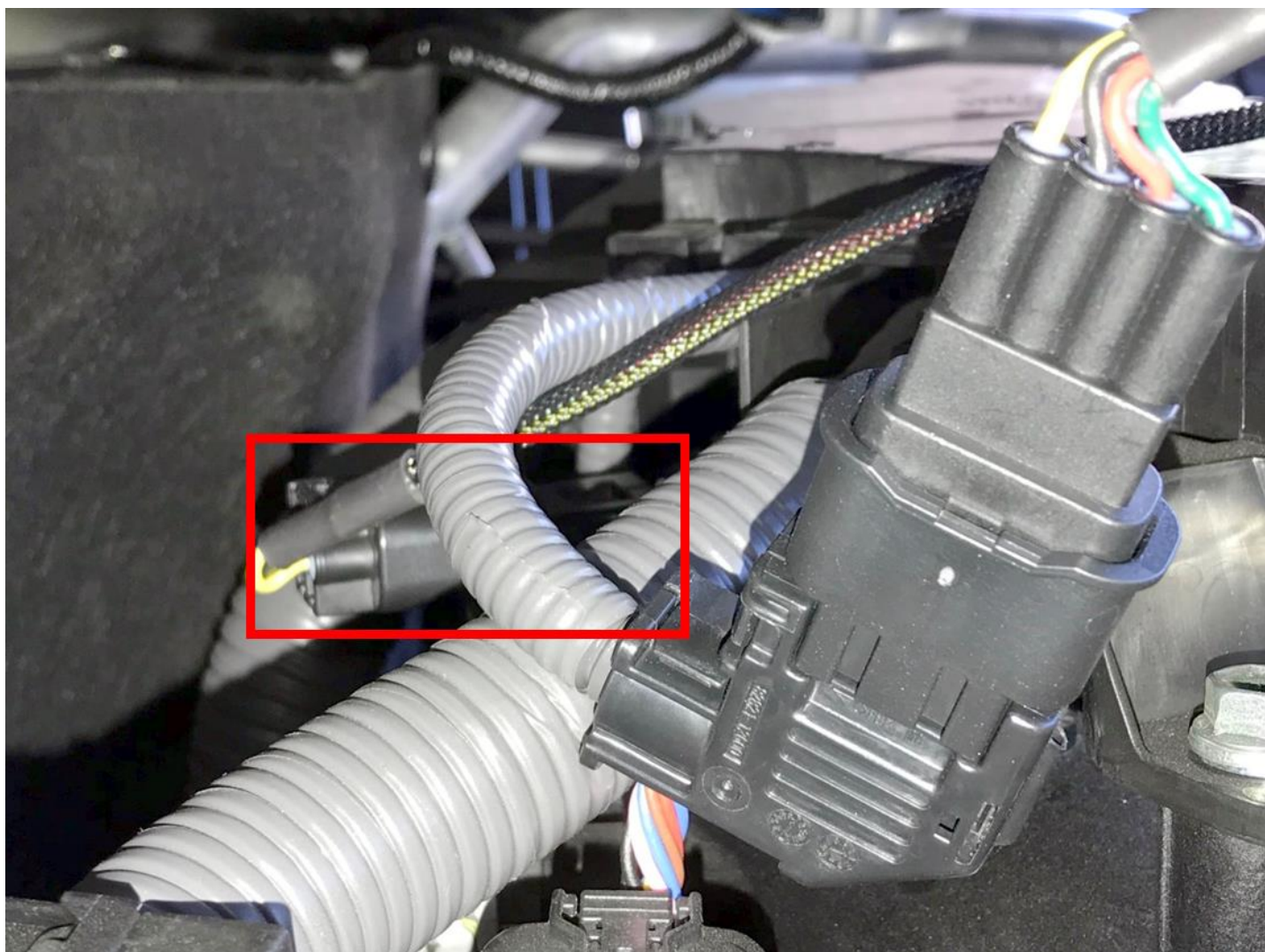


The rear most sensor is tricky to reach as it's under a few factory cables which you'll lift out of the way. This reference photo shows where the sensor is located on the intake manifold. It's in the very back, in the middle, harness facing towards the firewall.

Note the factory connectors have a white plastic insert that will sometimes pull out and stick on the JB4 male connector. If this happens pull the insert off the male connector and plug it back in to the factory connector.



Close up of the JB4 rear connection attached.



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 in to 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.



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.



Under the dash push out the large grommet as shown using your fingers or a long screwdriver. Then feed the small end of the OBDII cable through the opening in to the engine bay.



Grab the OBDII cable and pull it up towards the JB4 enclosure. Note in this photo the OBDII cable comes through the grommet behind the brake booster slightly out of view.



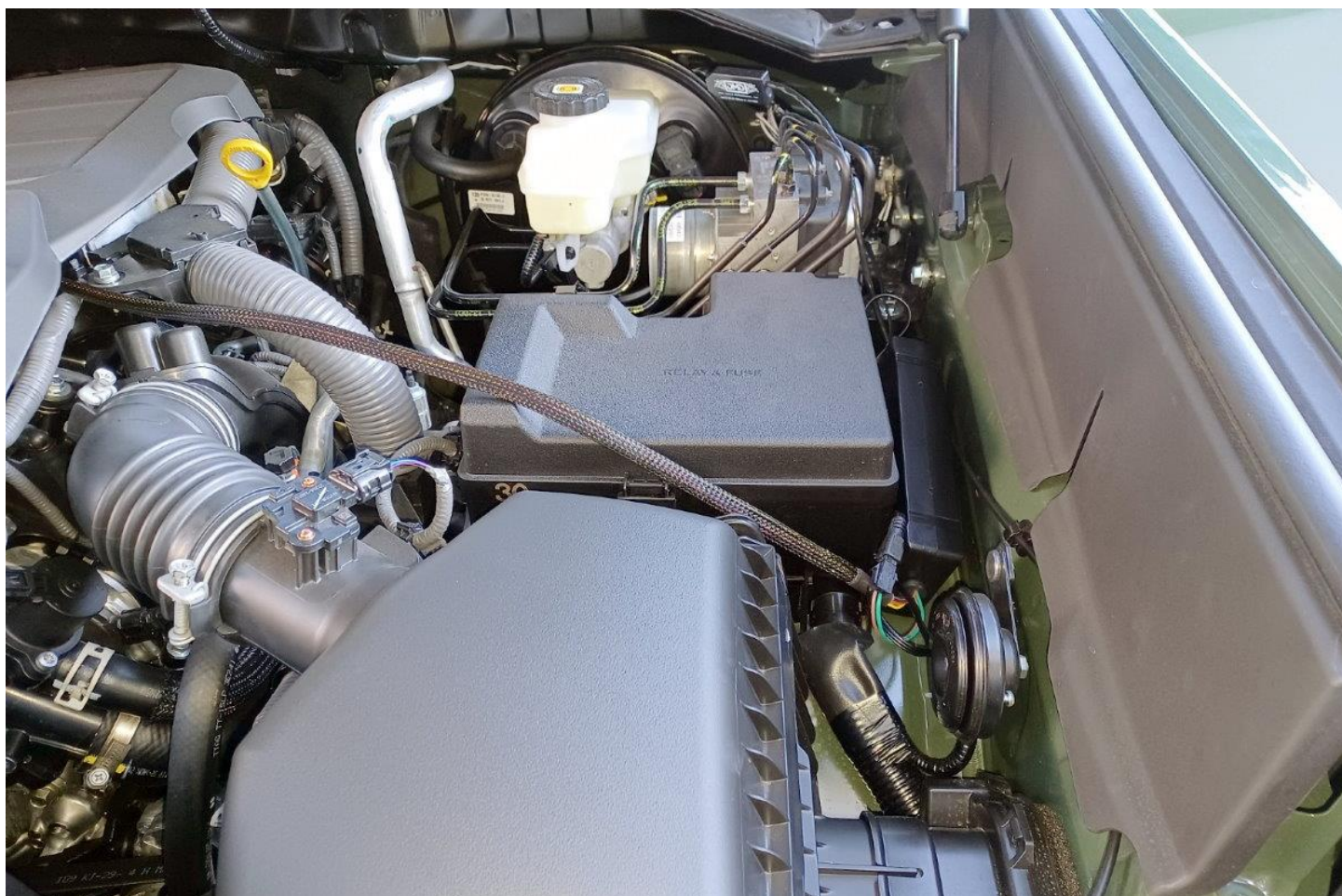
After routing plug the OBDII cable in under the dash and tuck the excess wire behind the side panel as shown. Most of the extra slack can be pulled in to the engine bay.



Plug the OBDII in to the JB4 harness as shown below. Ensure latch slides over clip. It is possible to force this connection incorrectly which will result in only boost/map appear in app and no other data showing until corrected.



Finally place the JB4 system next to the airbox as shown, route the harness and OBDII cable, and reinstall the engine cover. Push the factory grommet back in from the engine bay side over the OBDII cable using a long screwdriver or your fingers.



Installation is complete!

The JB4 comes preset to map1 which is suitable for all 91 octane and higher fuels. Refer to the map guide posted within the JB4 app and the jb4tech.com Tundra support thread for additional map details and use guidelines.