Burger Motorsports

BurgerTuning.com

JB4 Tuner for 2025+ RAM 1500 3.0L I6 Hurricane Install Guide

Last updated 9/25/2025

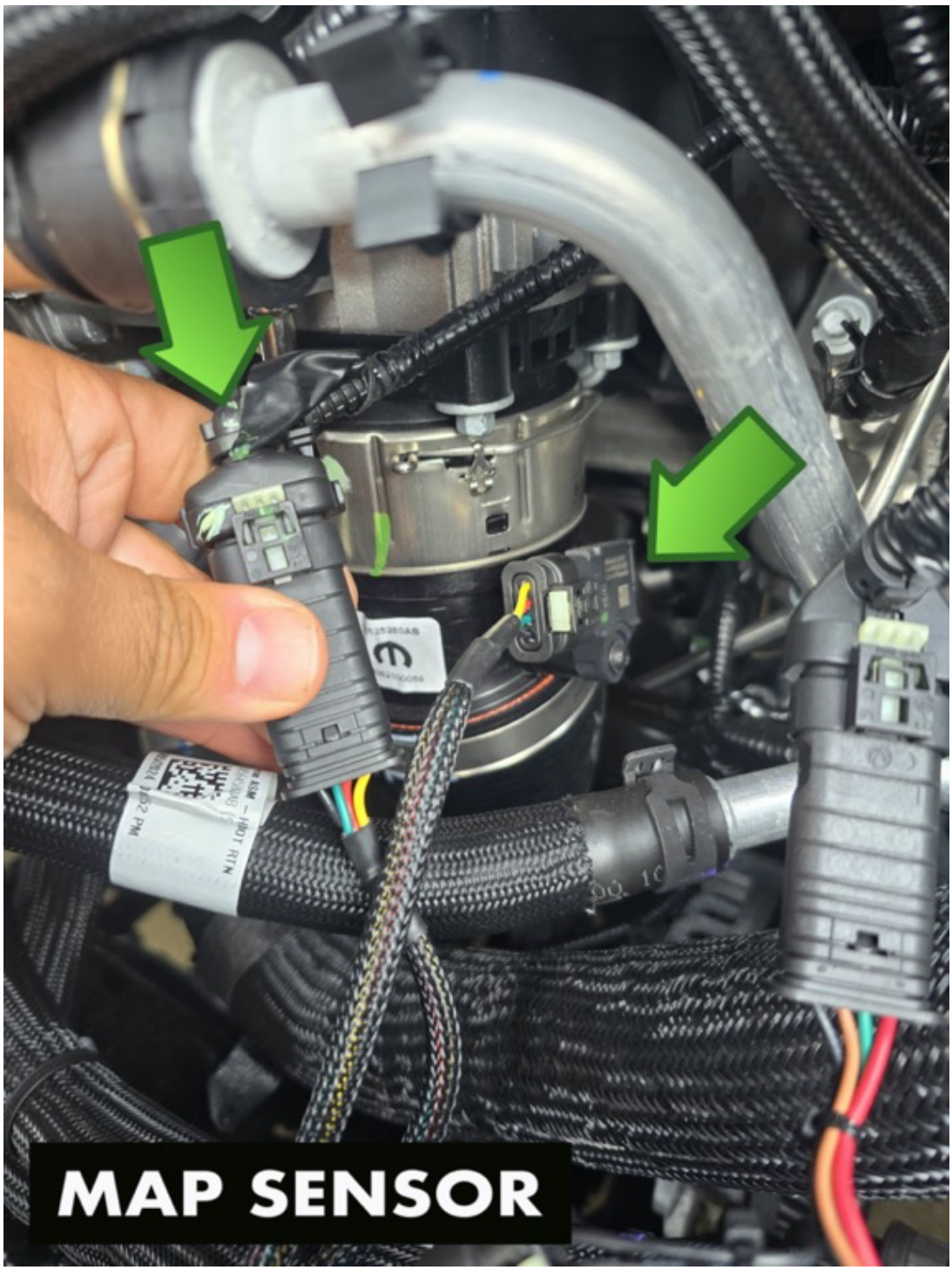
Use subject to terms and conditions posted at https://burgertuning.com/pages/terms

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.

Open the hood, lock the doors, place your key far enough from the car not to wake it up, and wait 5 min for the vehicles computer to go to sleep.

On the left side of the engine (looking at the engine) Attach the two **JB4 MAP** connections to the sensor shown below. Plug the factory harness in to the matching JB4 connection.

IMPORTANT: Note that this JB4 wire bundle has a **YELLOW** wire! It is possible to mix up the connections, and you can damage the JB4 if it is connected in the wrong location.



On the HO version of the engine, the **MAP sensor** will be found in a lower position as shown in the below photo:

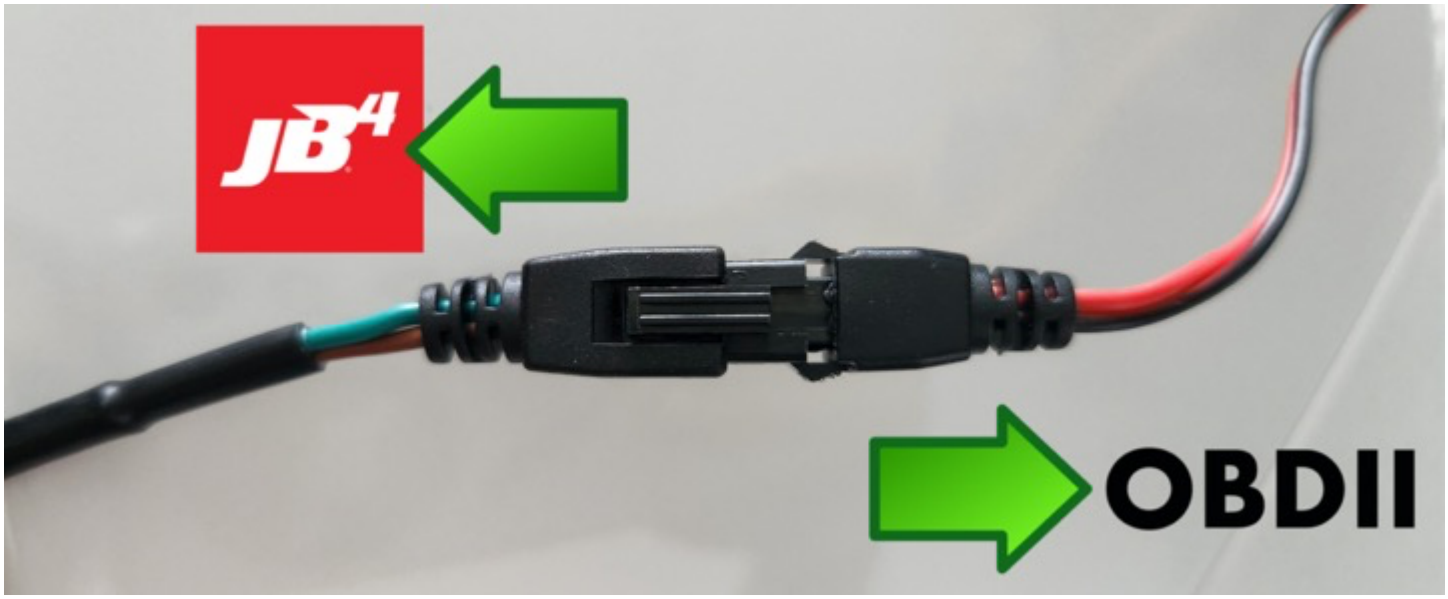
Above the sensor you just connected attach the two **JB4 TMAP** connections to the sensor shown below. Plug the factory harness in to the matching JB4 connection.

On the air intake MAF sensor plug the factory harness in to the matching JB4 connection. **IMPORTANT:** Note the wire colors and confirm you are connecting the correct connector to this location. The correct JB4 wires will be **RED**, **GREEN**, **BLACK**, and **BROWN** at this location.

CANbus/OBDII connector: green/brown wires on JB4

This optional connector attaches to the OBDII port to enable the CANbus features listed below. There are two ways to do this. You can put it through a hole in the firewall under the dash or simply run it through the door jamb aby hiding the wire in between the fender and the A pillar.

The other method is to go from inside of the car under the dash where the pedals are. There is a wire bundle grommet you can push the wiring through the firewall.

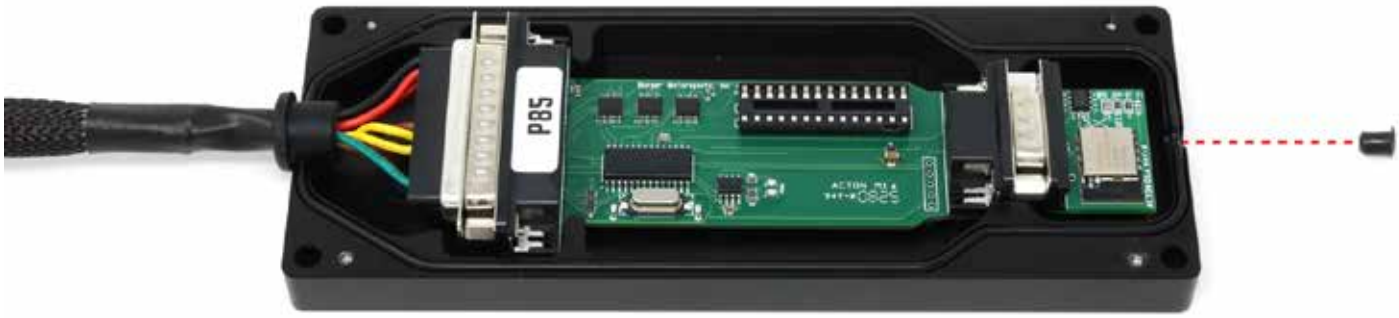


For those equipped with the optional JB4PRO adapter and JB4PRO free app or the JB4 Mobile Connect adapter and JB4 Mobile paid app, attach the adapter as shown.

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 pushed in before inserting and tightening the 2 included Phillips head screws. Adapter must be fully seated

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!

Installation is complete!

*** Troubleshooting ***

If you run into any issues after the install process this guide covers basic diagnostic steps for new installations: https://www.jb4tech.com/forum/general/diy-modification/823791-basic-new-install-jb4-diagnostics