

JB4 Tuner for 2025+ G90 G99 S68 BMW M5 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.

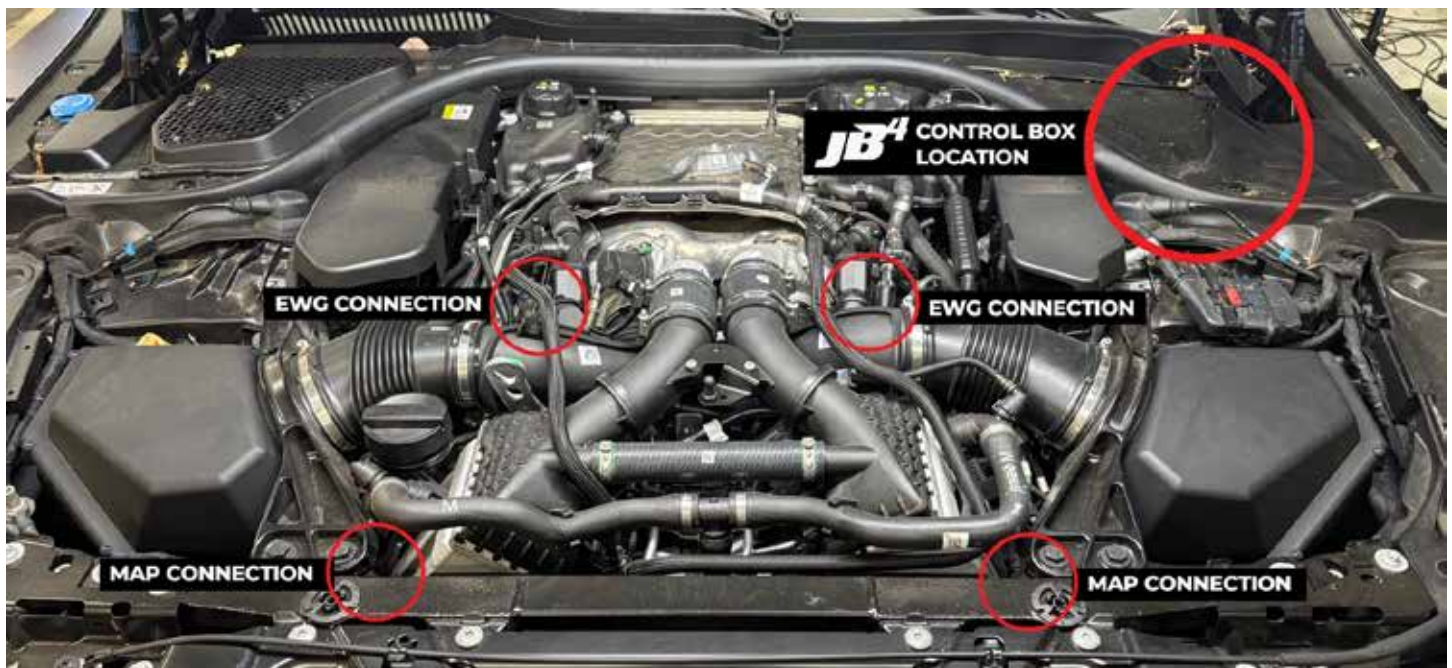


Before starting installation lock the doors and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep.

Remove the engine cover by pulling up on the front and then pulling up on the back. Loosen the left and right strut braces.



There are 4 plugs on the JB4 that go to various sensors on the engine shown below. The EWG connections are optional for those looking to maximize power.



First unplug the factory MAP connector on the left side of the left intercooler. It's the 3rd plug down.



Plug in the longer brown and black JB4 cable to the left **MAP** sensor.



Unplug the factory MAP connector on the right side of the right intercooler. It's the 3rd plug down.



Plug in the shorter yellow, red, green, and black wired JB4 cable.



OPTIONAL: Electronic Wastegate (EWG) Connections

For those looking to maximize power you can also connect the optional EWG connections remove the factory intake tubes by loosening the hose clamps, compressing the tubes, and pulling them upwards.



Remove the right and left turbo inlets by pulling up on the circlip on the PCV hoses. Pull up the large circlip on the turbo inlets and pull it towards the front of the vehicle to remove to access the EWG plugs.

⚠ If you don't want to use the EWG connectors plug in the JB4 EWG connections to each other and tuck them safely away.



Next unplug the factory EWG connector.



Now plug in the shorter JB4 connector with the purple, blue, and black wires to both ends of the connector you unplugged.



Next unplug the left factory EWG connector



Next plug in the longer JB4 connector with the red, purple, blue, and black wires to both ends of the connector you unplugged.



CANbus/OBDII connector: green/brown wires on JB4

Vehicle can now be unlocked, and doors opened as OBDII can be installed/connected with the 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.



The easiest way to route to the engine bay is around the door jamb. Alternatively, it can be run through the firewall into the pedal area if there are any unused grommets. Finally plug OBDII into JB4 harness, note correct clip over notch orientation. If no data appears in JB4 app once connected an issue with the OBDII connection is usually the culprit.



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. **NOTE: PUSH THE ADAPTER ON FIRST, THEN ADD SCREWS. ADAPTER MUST BE FULLY SEATED WITH NO THREAD SHOWING.**



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



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.

5) For those with the JB4 PRO adapter put back in the bottom hole plug. Retighten the (4) 2.5mm Allen hex bolts.

JB4PRO App (FREE) 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>

JB4 MOBILE App (PAID) can be downloaded here.

App Store (iOS): <https://apps.apple.com/us/app/jb4-mobile/id794841332>

Play Store (Android): https://play.google.com/store/apps/details?id=com.dmacpro91.jb4_mobile