

BMS B58TU2 JB4 Install Guide

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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 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.

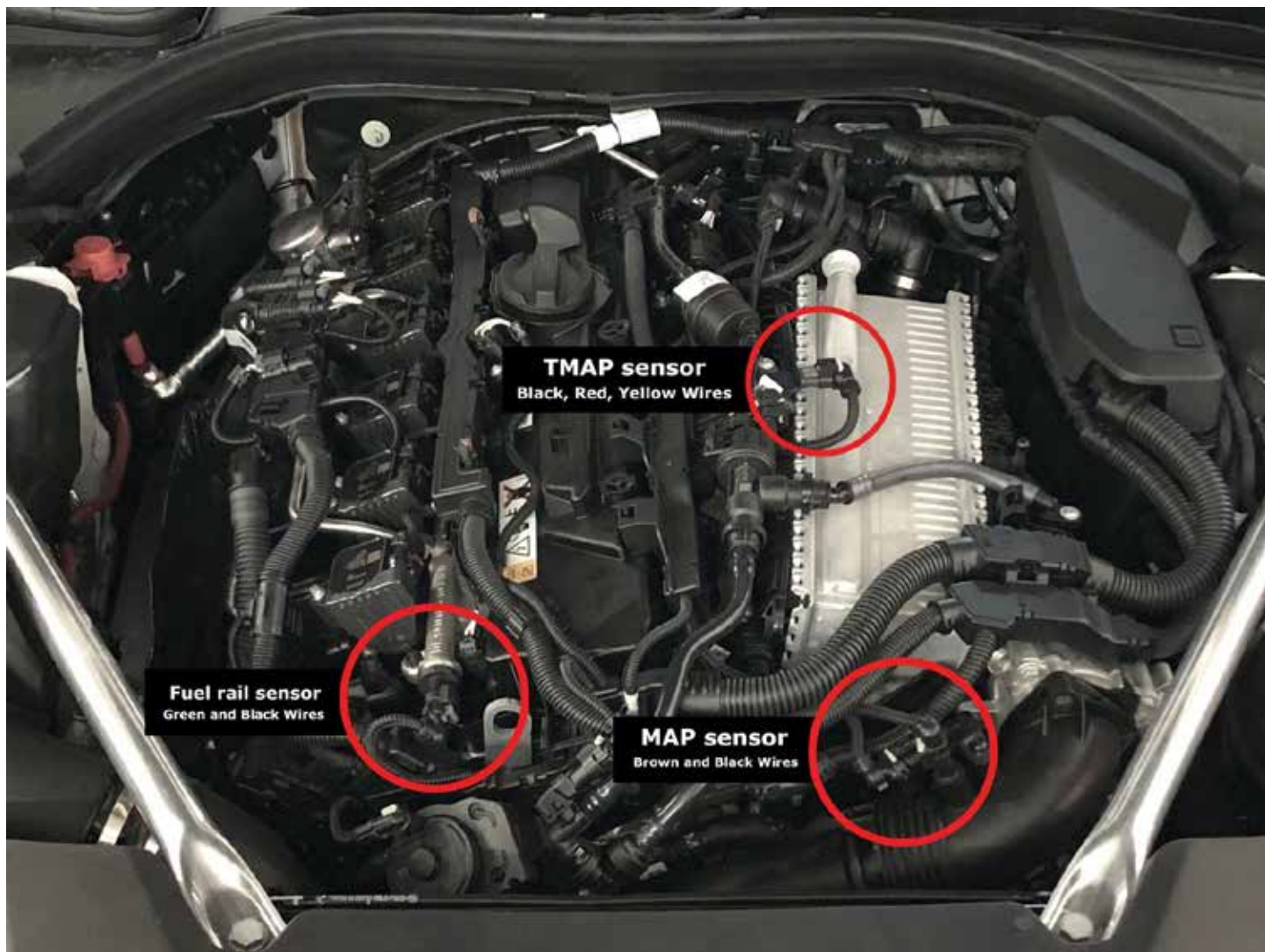


When working with live wires ALWAYS disconnect the negative battery terminal in the trunk first. Do not attempt to install the tuner, connect the tuner box to the harness, or otherwise work on the vehicles electrical system with the battery connected. Doing this may result in a damaging voltage spike being sent to the DME.

1) If equipped, remove the strut brace. Next remove the plastic engine cover. The cover simply lifts off. Also remove the driver side cowl cover. Turning the lock tab 90 degrees will release the tab and allow you to pull the cover off. This is where the JB4 will be stored.



2) The JB4 harness is divided into wire loops each with its own wire color which will be routed to a specific sensor on the vehicle. In addition, there are a pair of green and brown CAN wires that will connect to the CANbus using the included OBDII adapter.



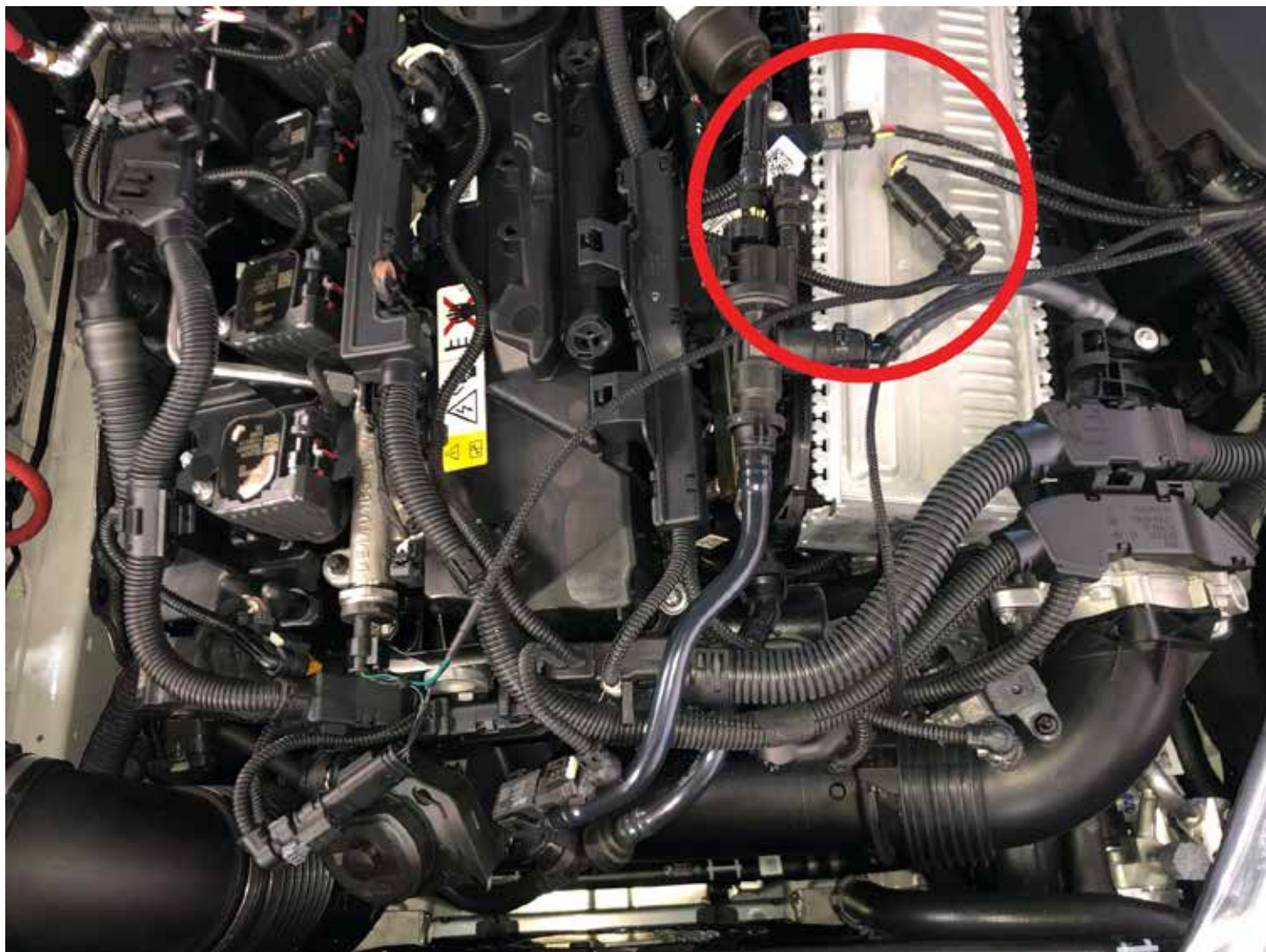
3) TMAP sensor, black, red, and yellow JB4 wires:

The TMAP sensor is located on the intake manifold on the top of the engine next to the oil filler cap. Unplug the factory harness, plug the JB4 harness into the sensor, and plug the factory harness in to the JB4. The clip is released by pushing back and pressing down on the gray locking tab. Alternatively you can use a small flat head screwdriver to lift the clip up from the front.



TMAP sensor
Black, Red, Yellow Wires

JB4 connected to the TMAP sensor.



4) **MAP sensor, brown and black JB4 wires:**

The MAP sensor is located on the top of charge pipe several inches before the throttle body and disconnects similar to the TMAP sensor. Unplug the factory harness, plug the JB4 harness into the sensor, and plug the factory harness in to the JB4.



JB4 connected to the MAP sensor.



5) Fuel rail sensor, green and black JB4 wires:

The fuel rail sensor is located on the top left front of the engine. Unplug the factory harness, plug the JB4 harness into the sensor, and plug the factory harness in to the JB4.



JB4 connected to the fuel rail sensor.



5) 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 by hiding the wire in between the fender and the A pillar.



Remove the panel under the steering wheel by turning the 2 tabs and pulling downward to expose the firewall between the OBDII connector and the brake pedal.



Using a long screwdriver puncture rubber firewall cap pushing. Be careful not to damage any of the wires. Feed the OBDII wire from the interior through the hole to the engine compartment.



Plug the OBDII wire in to the JB4 green/brown pair connector.



Plug the OBDII cable into the OBDII port under the driver's side dashboard.



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 inserted before tightening the included screws.



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 PRO adapter put back in the bottom hole plug. Retighten the (4) 2.5mm Allen hex bolts.

Finally tuck the JB4 control box out of the way. It can optionally be secured with zip ties.

Installation is complete! The JB4 comes preset to map1 which is suitable for all 91+ octane fuels. For additional map details refer to the JB4 app or JB4tech.com support thread for the application.