



BMS F Series N55 Stage 1 Install Guide

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Use subject to terms and conditions posted at <http://www.burgertuning.com/terms.html>



STAGE 1

PLUG & PLAY

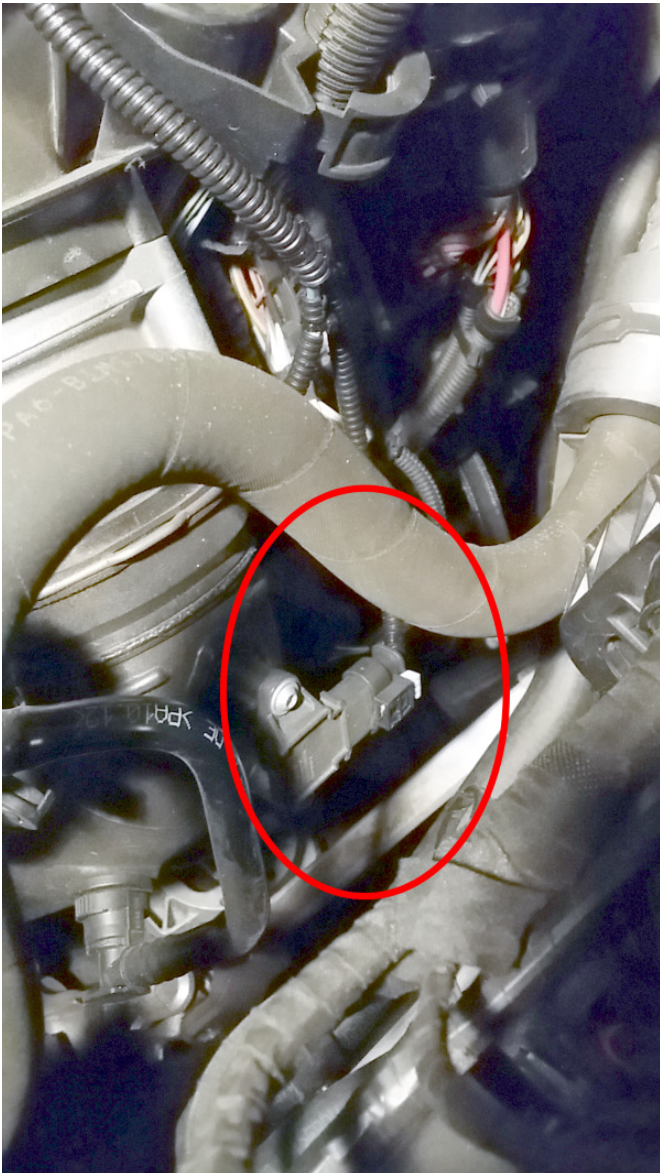
THIS PART IS LEGAL FOR USE ONLY IN COMPETITION RACING VEHICLES AS DEFINED UNDER CALIFORNIA LAW, AND IS NOT LEGAL FOR USE IN ANY OTHER MOTOR VEHICLE. California law defines a "racing vehicle" as "a competition vehicle not used on public highways." (Calif. Health & Safety Code 39048) This part may only 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, LLC, 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, LLC 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) Remove the plastic engine cover. The cover simply lifts off. Also remove the passenger side cowl cover which is secured by 3 10mm plastic release bolts. Turning the bolts 90 degrees each will release the tab and allow you to pull the cover off.

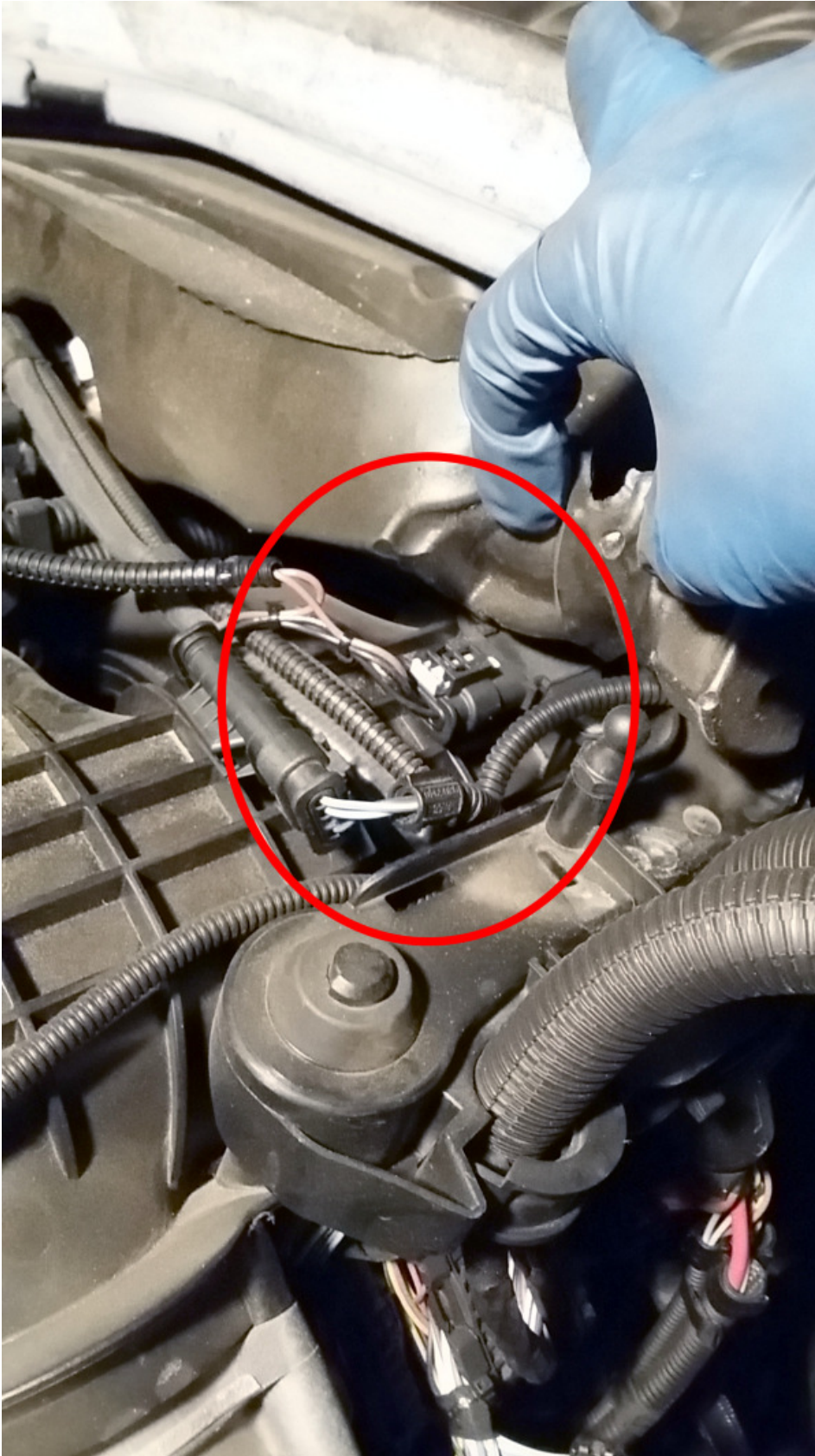
2) The harness is divided in to two wire loops each with its own wire color which will be routed to a specific sensor on the vehicle.

3) The TMAP sensor is located on the driver side of the engine bay, on the charge pipe leading in to the throttle body. Disconnect the TMAP sensor plug and plug it in to the JB female rainbow connection. Plug the male rainbow connection in to the TMAP sensor completing the loop. If you have difficulty removing this sensor plug the JB harness male and female in to each other and practice on how to remove them. Using a small screwdriver from the back side of the clip to lift it up sometimes makes removal easier.

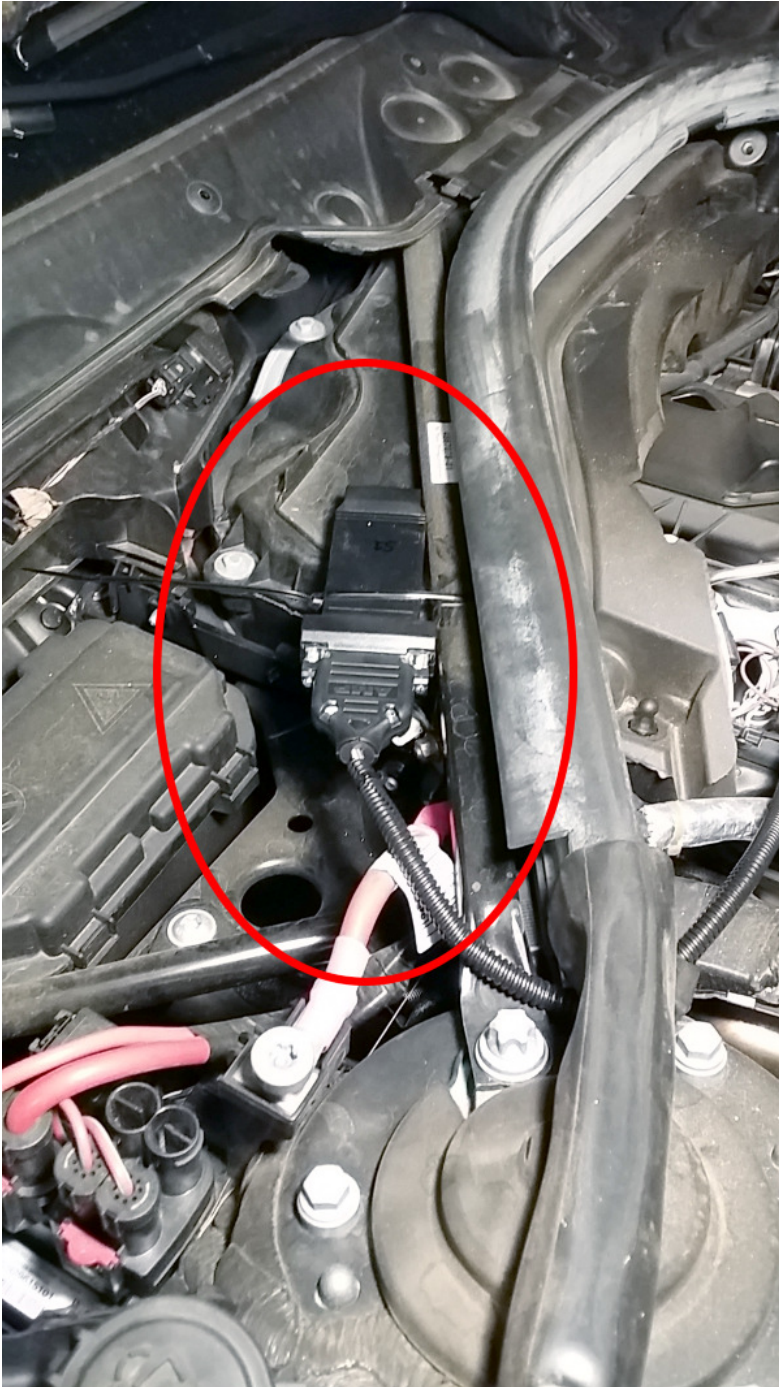


4) The MAP sensor is located on the top of the engine towards the back under engine foam. It is visually identical to the TMAP sensor. Disconnect the MAP sensor plug and plug it in to the JB female brown connection. Plug the male brown connection in to the MAP sensor completing the loop.

Note for 5 & 6 series models you must remove the airbox top to access this sensor. If it's not in the orientation shown below you're looking at the wrong one. Remove the airbox top.



5) The Stage 1 control box should be placed under the passenger side plastic cover as shown. For long term installations we suggest using a zip-tie to secure it to the strut brace. For short term installations it can simply sit in place. Take care to avoid accidentally contacting the 12v battery jumper nut while working in this area.



6) Reinstall the cowl cover. When reinstalling the cowl cover be sure it's fully seated and that you've lifted the rubber seal around it.



7) Reinstall the engine cover by pressing it back in place on top of the engine.

8) Reconnect negative battery terminal.

Installation is complete!