

## F Series N63 / N63TU JB4 Install Guide

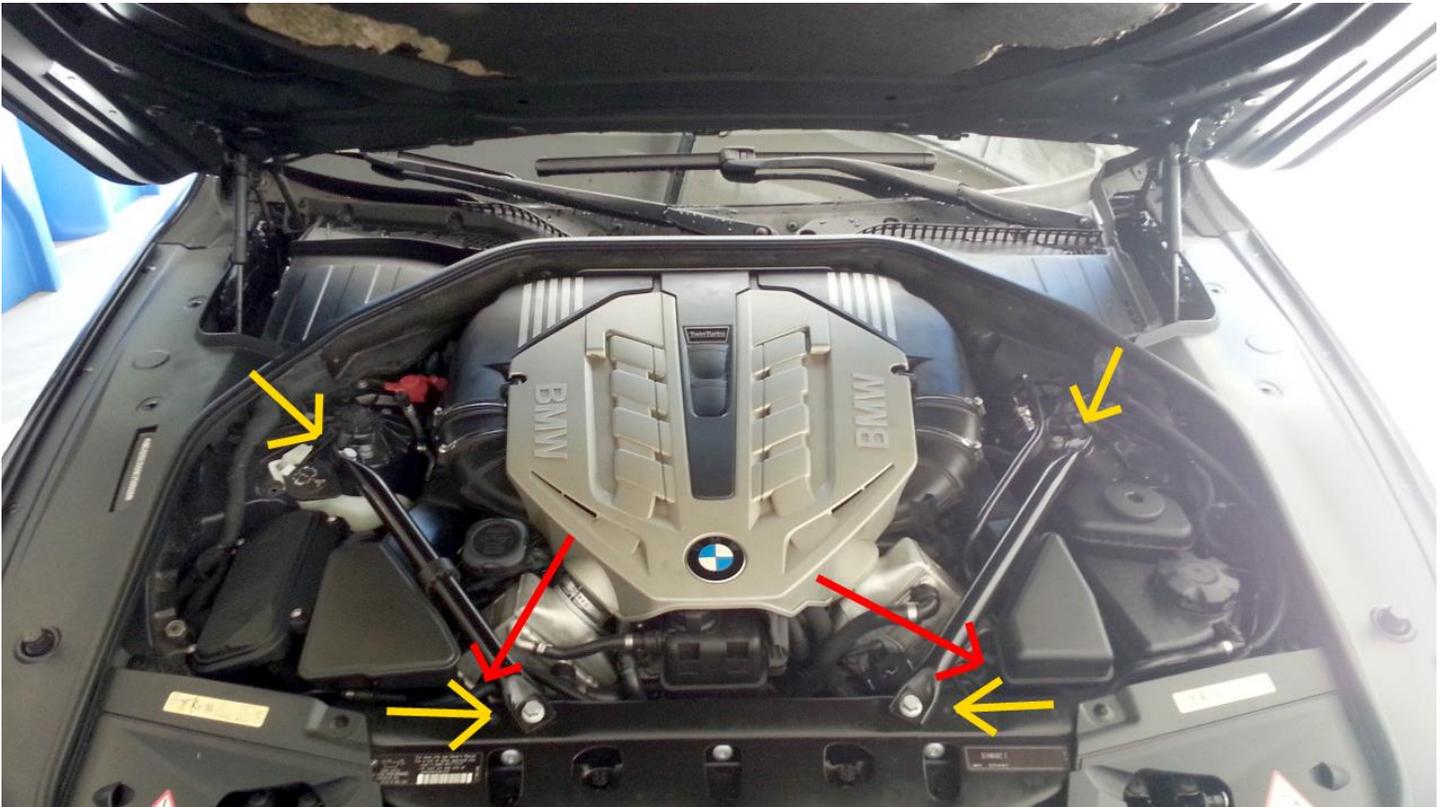
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Optional JB4 App Shown



1. Remove the strut brace retaining bolts indicated by the yellow arrows above. With the bolts removed the strut braces lift out of place and will allow easier access to TMAP sensors mounted to the intercooler cores.
2. The red arrows indicate the general locations of the TMAP sensors we will be intercepting.
3. Remove the driver side plastic cover located by the windshield right side. This is where you will run the OBDII cable through an existing opening into the cabin in a later step.
4. Identify the left and right intercoolers shown in the above picture. The TMAP sensors are located towards the very bottom of them and are difficult to see or reach at this point. The connection points located on the top are NOT the TMAP sensors. In a later step they will be easier to see and reach.



1. Remove the right-side rubber sleeve pictured above. This will allow you to disconnect the plastic hose below it, allowing you to more easily reach the driver side TMAP connection.

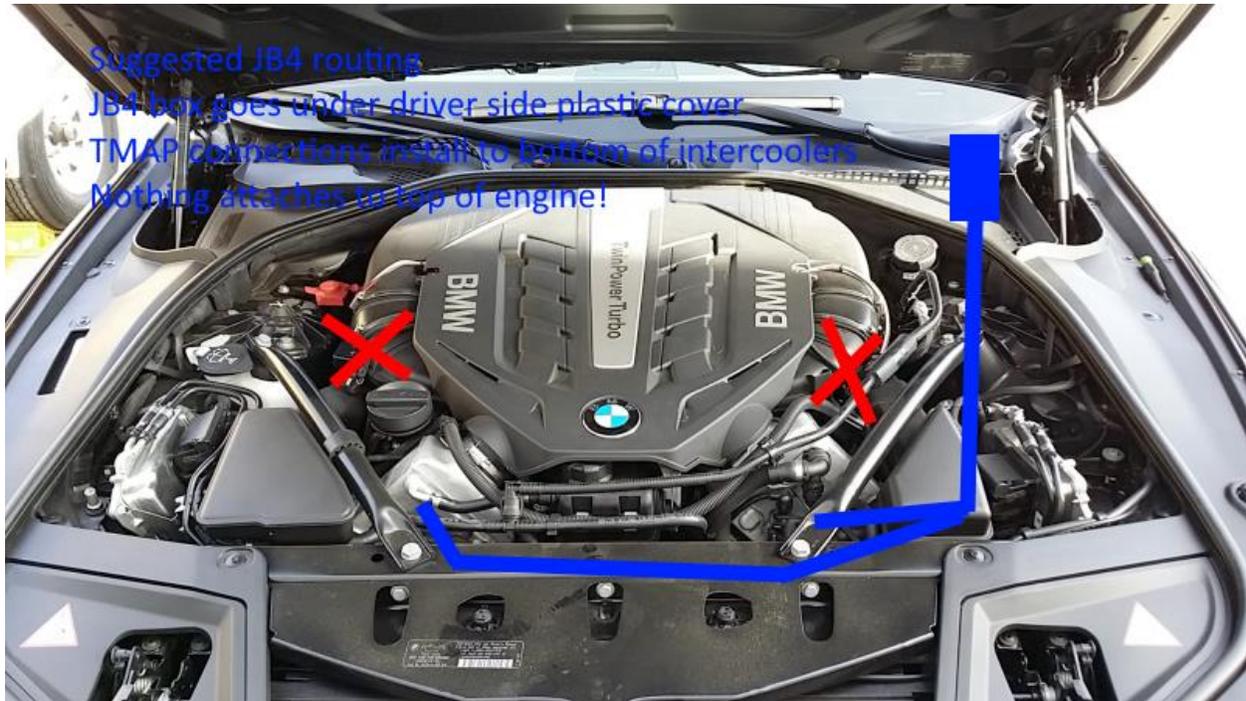


2. Disconnect the plastic hose located below the 2 clamps you just removed pictured above. There is a simple snap connection on the left and right side of the hose and should break loose with minimal force.
3. You should be able to move the plastic hose around enough to see and reach the driver side TMAP connection located close to the bottom of the intercooler. You should also be able to see and reach the passenger side TMAP connection also located close to the bottom of the passenger side intercooler. Both TMAP connections will be mounted to the intercooler itself.

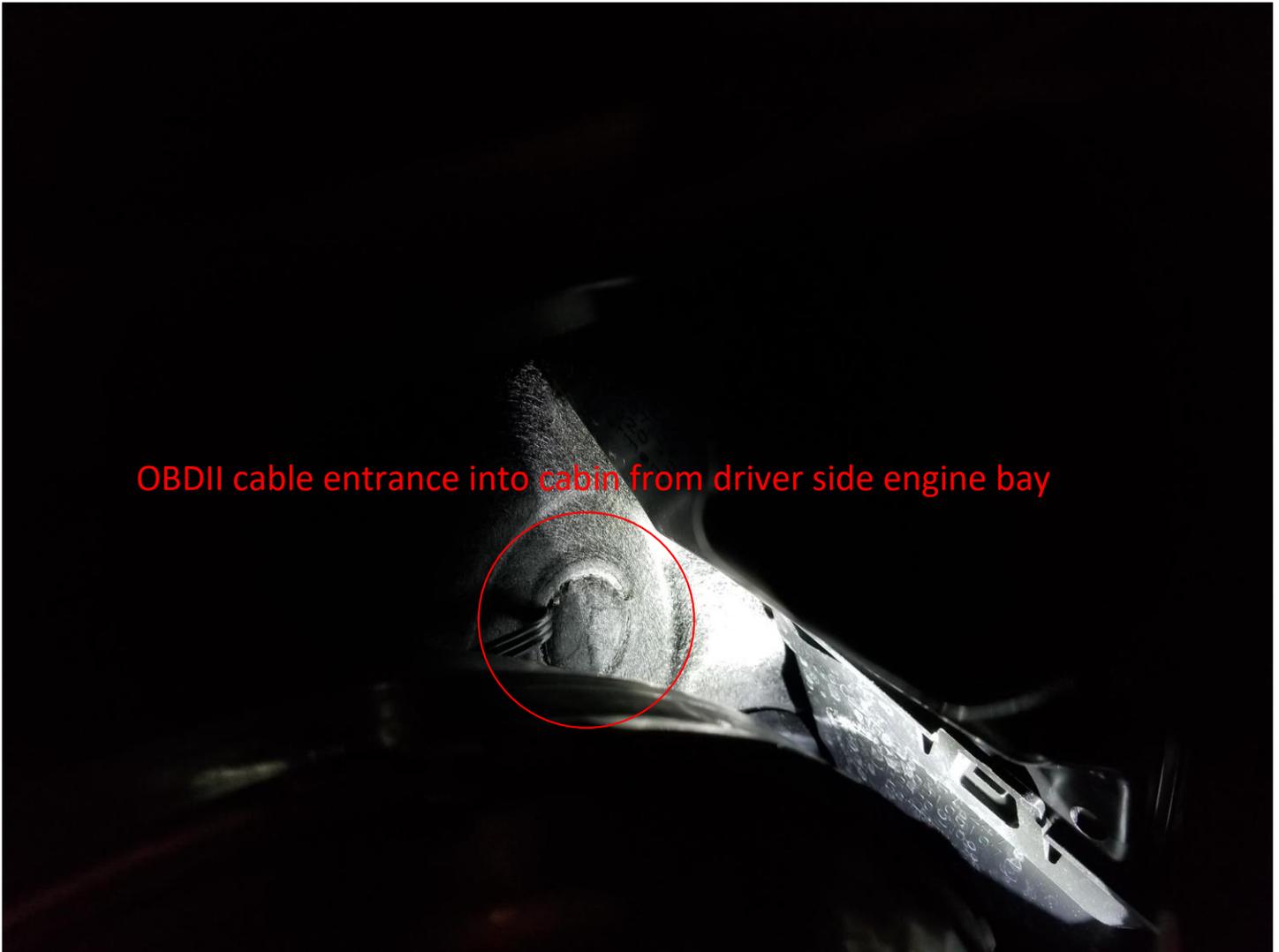
TMAP sensor from N63 TypeA model (flat clip) shown below for reference. N63 TypeB and N63TU will have a tab clip that slides out and is pushed down to release.



4. Mount your BMS control unit under the driver side plastic cover.
5. Route the control box as shown and attach the TMAP connections. There is a split in the rubber seal located by the JB4 making it easy to run the wires below it. Make note of how the JB4 TMAP connections come apart and snap together before trying to connect them. Disconnect each male TMAP sensor cable and plug in the appropriate JB4 male cable. Plug the factory male TMAP cable into the female JB4 connector on each.



6. Note N63 JB4 will have TMAP connectors only while JB4 M63TU includes optional boost solenoid connections that are more difficult to install. N63TU BCM connections should only be attached after confirming a basic installation if JB4 logs indicate a potential tuning benefit. Initially tuck them out of the way.



7. Locate the felt covered hole located on the driver side firewall. Use a screw driver to poke a hole in the felt and route the OBDII cable through it. Plug in the OBDII cable into the OBDII port.
8. Reinstall all removed covers. Installation is complete! The JB4 comes preset to map1 which is suitable for all fuel and modification levels. Higher maps can be selected using the optional JB4 mobile adapter and app.

Note for N63TU models for maximum performance we also suggest unplugging the factory MAF sensors on the top of the engine.

If you've purchased the optional JB4 mobile adapter open the enclosure and plug the adapter into the JB4 board directly as shown. When closing the enclosure ensure the control board is properly lined up and only tighten down screws once the case closes smoothly to avoid damaging the JB4 board. Note some older JB4 mobile adapters have a separate blue wire which will need to be attached to the JB4 harness via a posi-tap, refer to the video on the JB4 Mobile adapter page for additional directions. This video shows how to take apart the JB4 enclosure and plug in the adapter, and for those models that require it, how to attach the posi-tap to the loose blue wire:

<https://youtu.be/Q6NvtltTrUg>

