F Series BMW N63TU JB4PRO Install Guide

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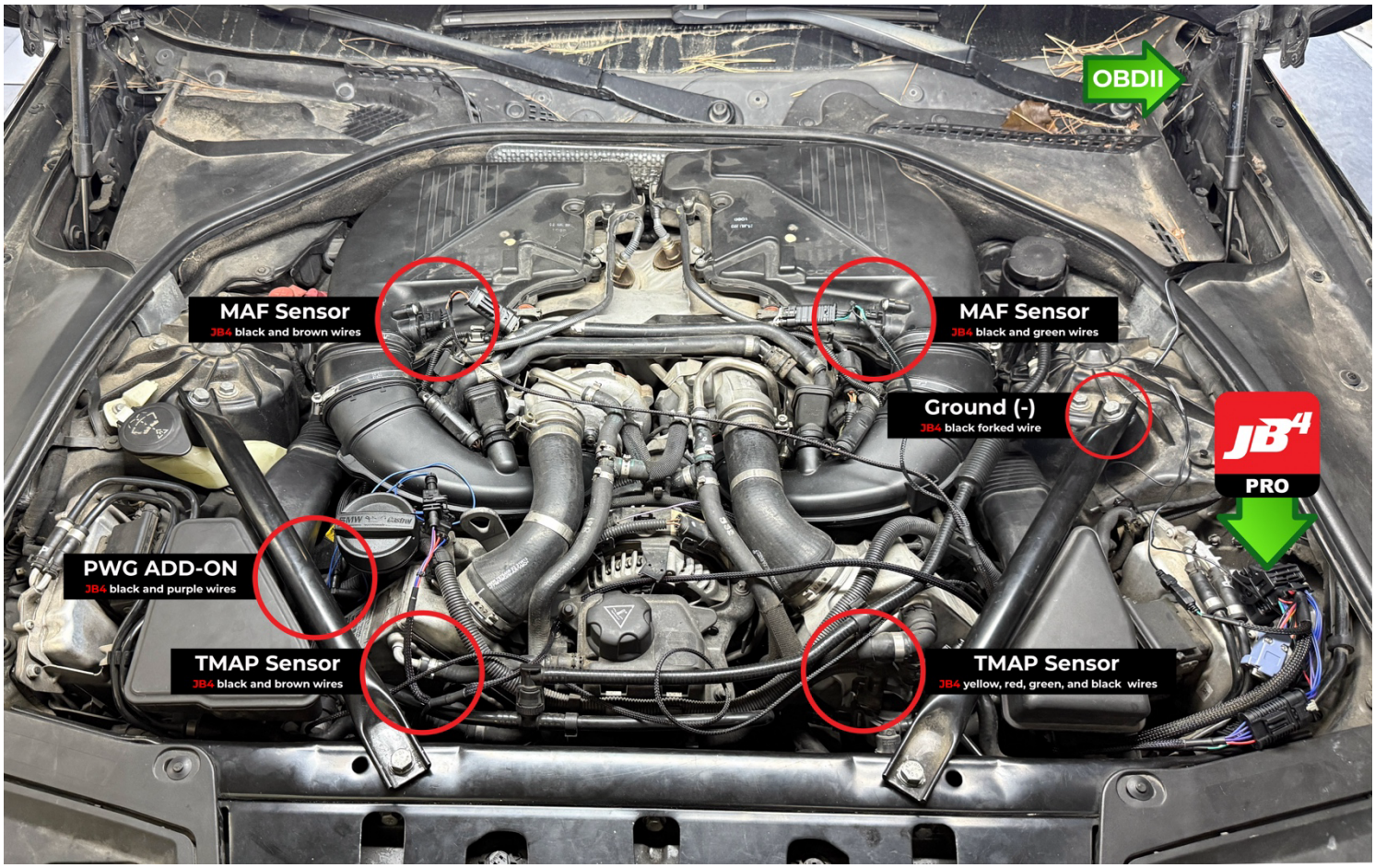
⚠ **ATTENTION:** Before starting installation lock the doors and place the key at least 20 feet away from the vehicle. Wait 10 minutes for the vehicle to go to sleep or disconnect battery.



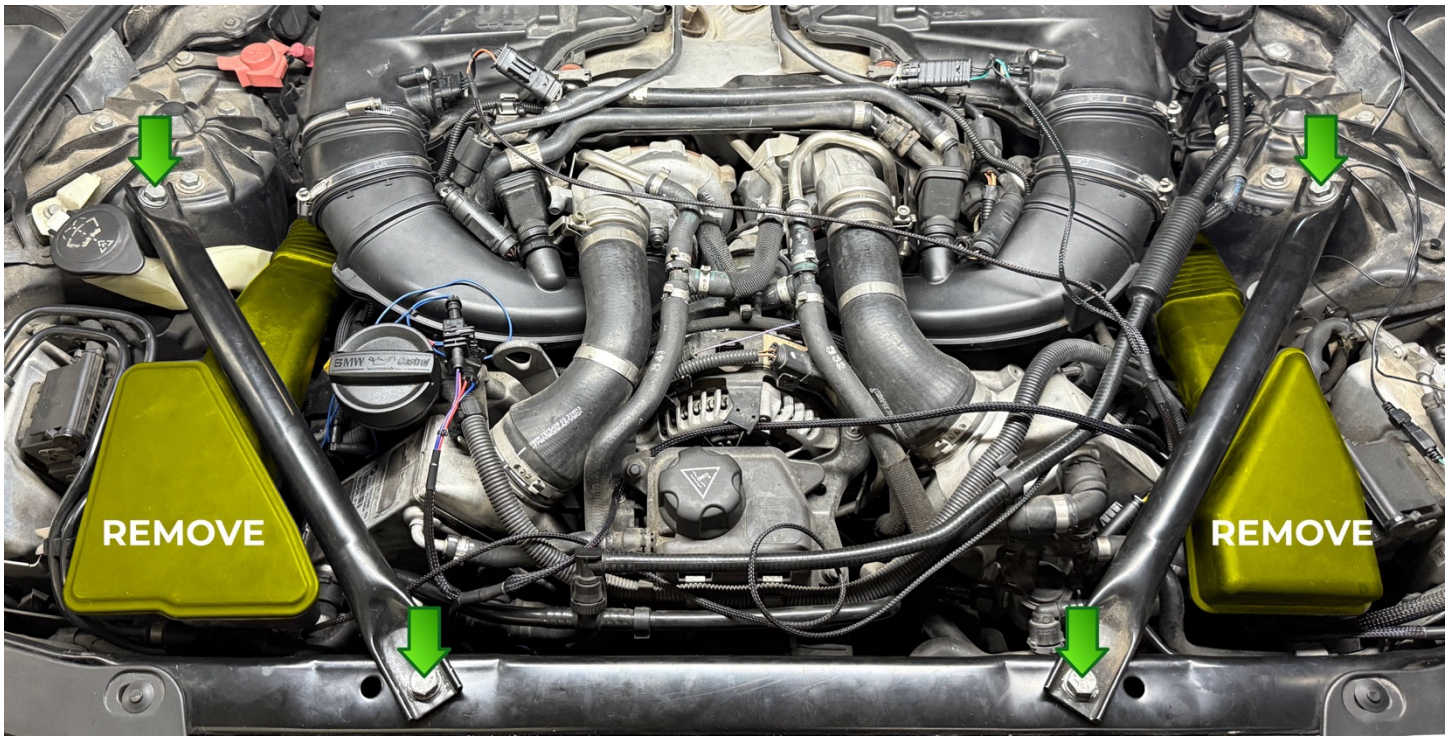
The JB4PRO will connect to 4 points in the engine bay depending. The left MAF sensor (black/brown JB4 plug), right MAF sensor (black/green JB4 plug), the TMAP sensor on the left intercooler (black/brown JB4 plug), TMAP sensor on the right intercooler (yellow/green/red/black JB4 plug. Finally for more advanced builds you can also attach the optional PWG connections under the left intercooler (Blue and black Wires)

Remove the engine cover by pulling up on it.

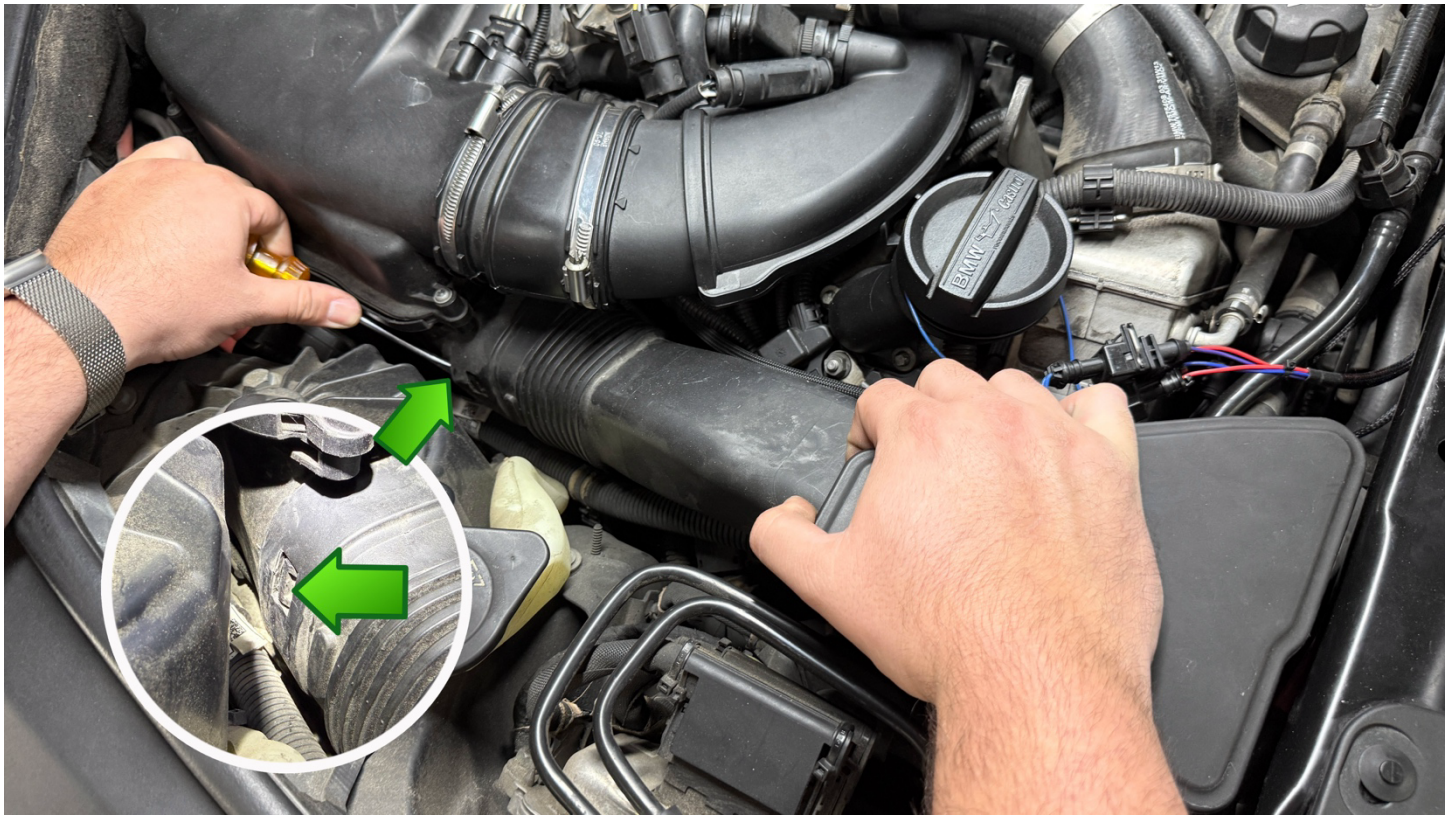
Identify the left and right intercoolers shown in the below picture. The TMAP sensors are located towards the very bottom of them and are difficult to see or reach. The connection points located on the top are NOT the TMAP sensors.



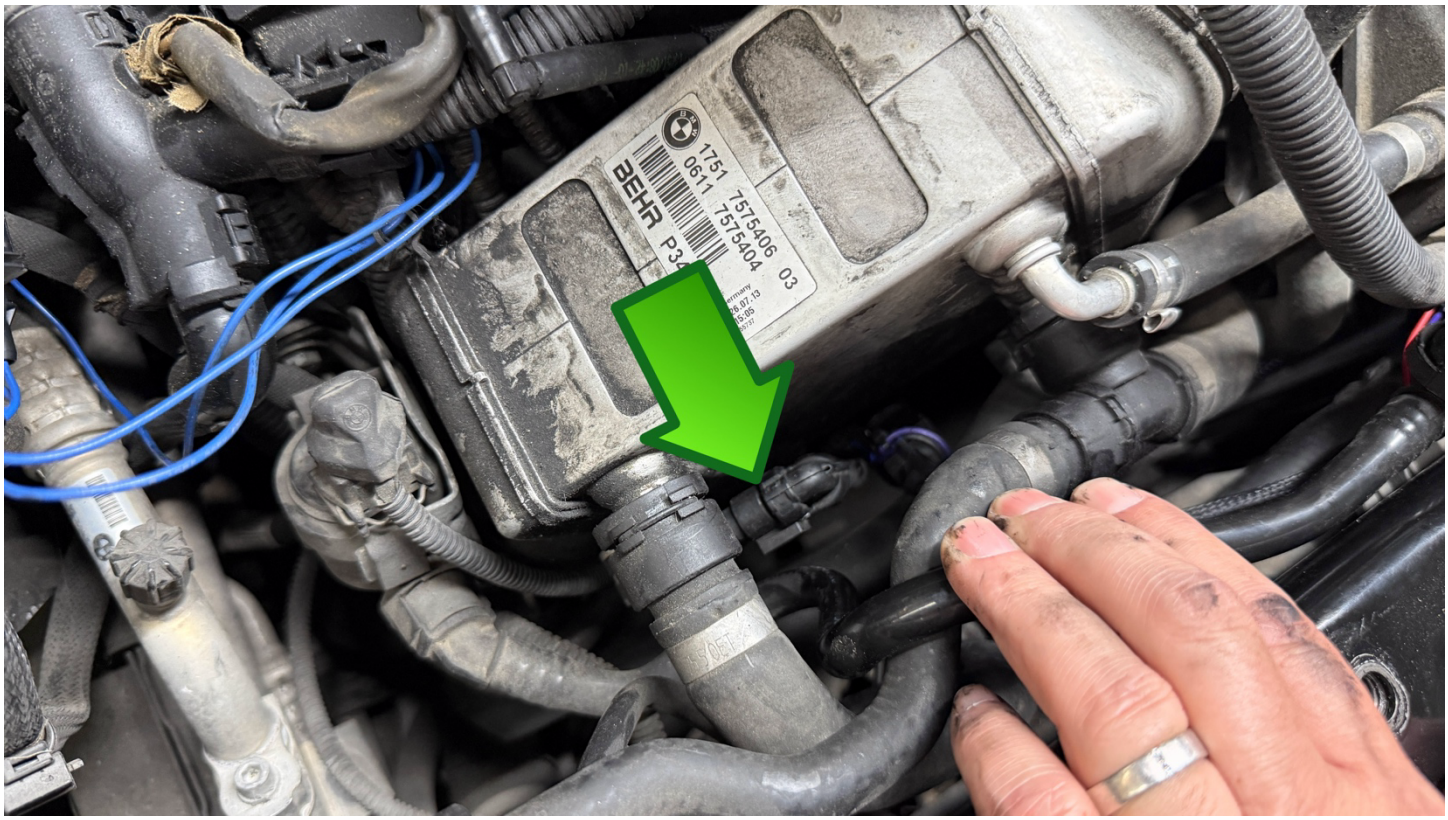
Remove the left and right cross braces by unbolting them. Remove the left and right intake air inlet and resonators highlighted in yellow.



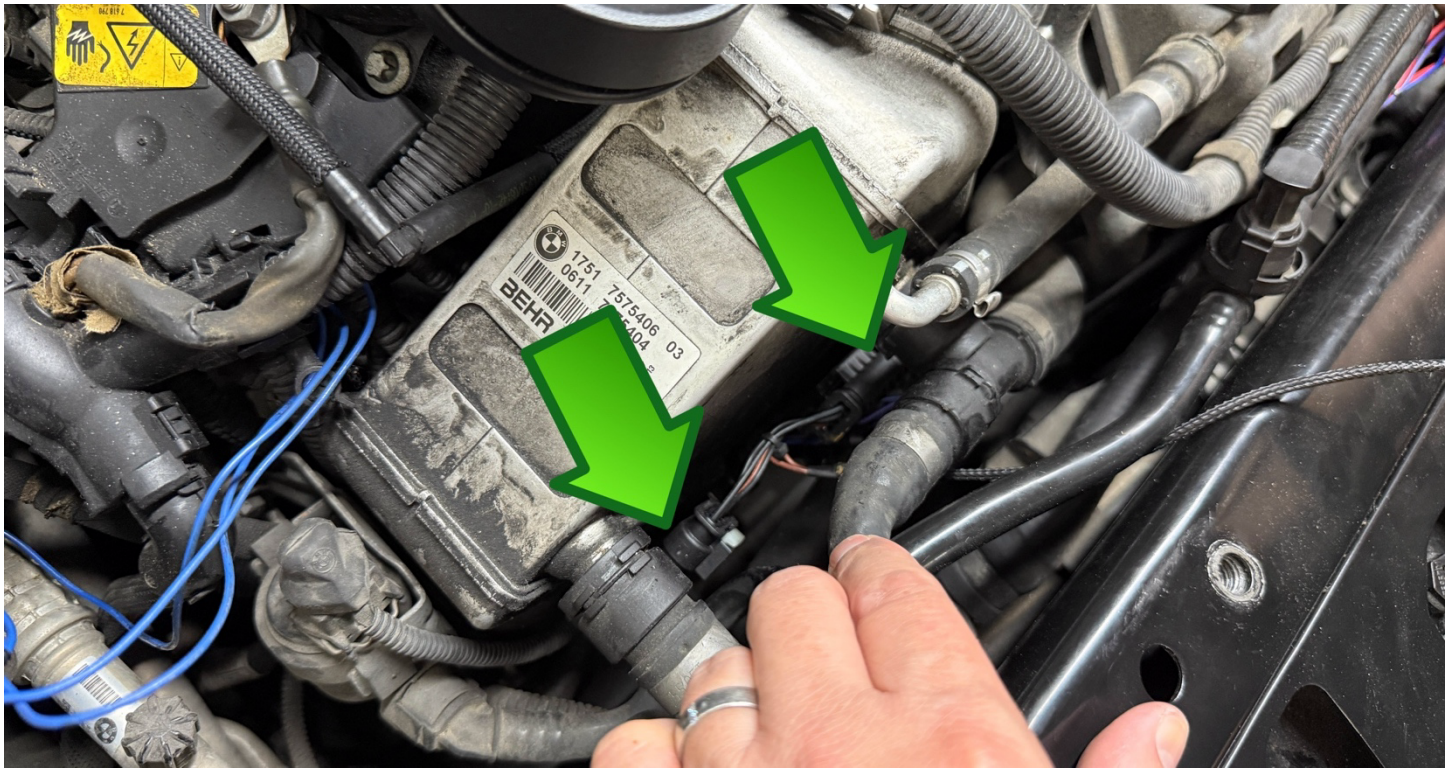
Unclip the tabs to release and wiggle in the intake inlets lose.



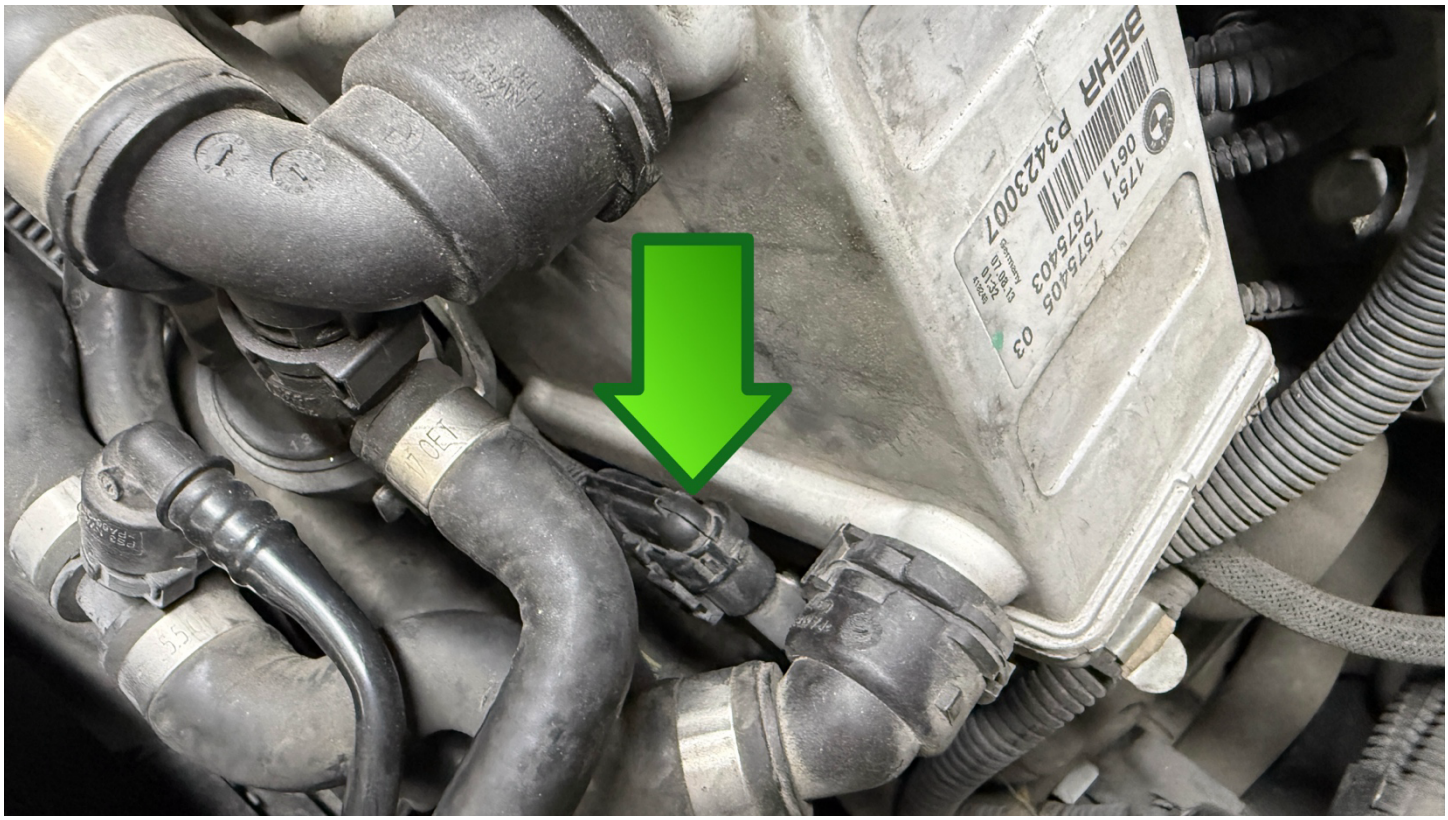
Locate and unclip the left TMAP sensor on the left intercooler.



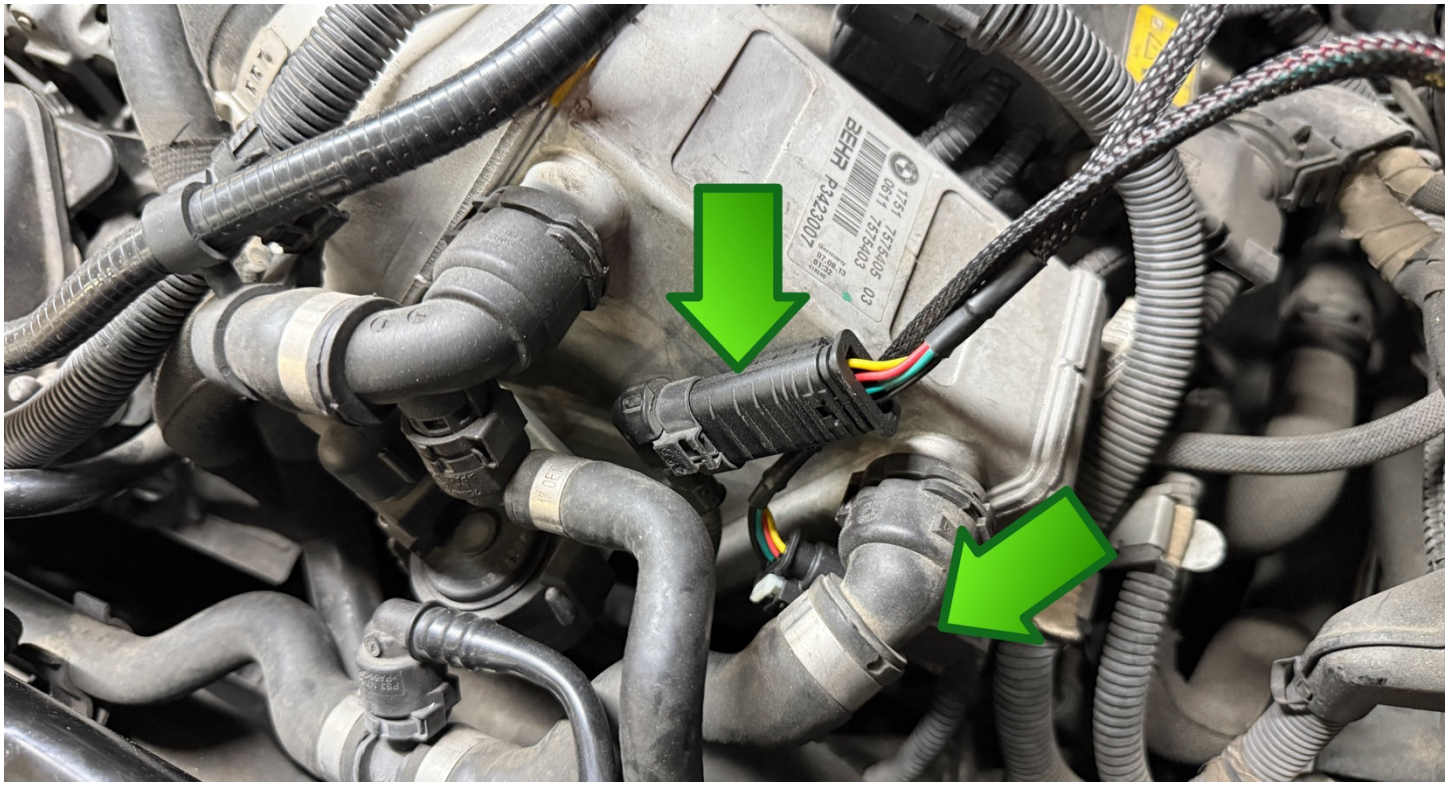
Plug the JB4PRO connector with the brown and black wires into this connector and the connector you unplugged.



Locate and unclip the right TMAP sensor on the right intercooler.



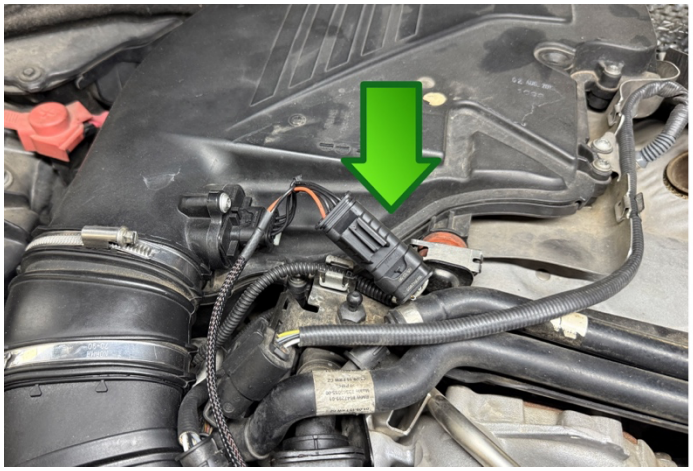
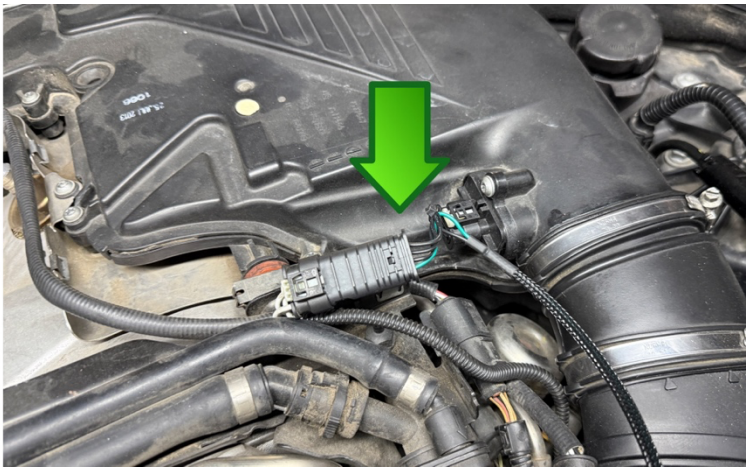
Plug the JB4PRO connector with the yellow, red, green, and black wires into this connector and the connector you unplugged.



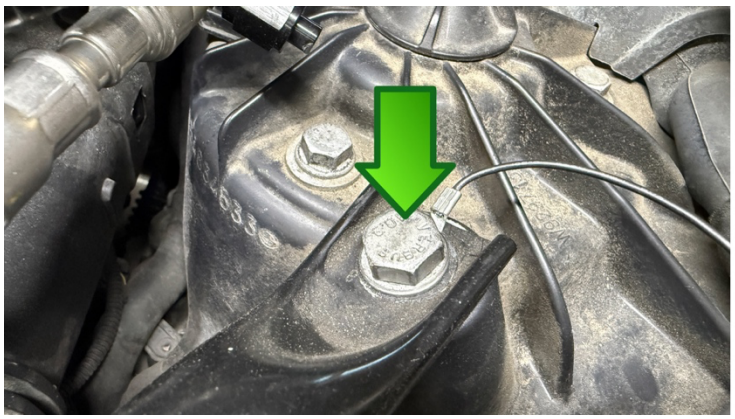
Remove both left and right MAF sensor plugs with the white wires by popping out the gray tabs and pinching and pulling.




Attach the JB4PRO connector with the brown and black wires to the left side and the JB4PRO connector wires with the green and black wires.

Connect the black forked ground (-) wire to a suitable ground. We recommend under the strut brace. Removing the paint makes a better ground contact.




Optional PWG add-on. Note one connector is easy to reach and the other requires intercooler removal (very difficult), so most customers do not attach these. Both locations are next to each under under/near the pass side intercooler.



Connect the connector on the other end to the JB4 PRO connector with the purple, blue, and red wires. Click the gray tab in to lock the connector.





CANbus/OBDII connector: Green/Brown wires on JB4

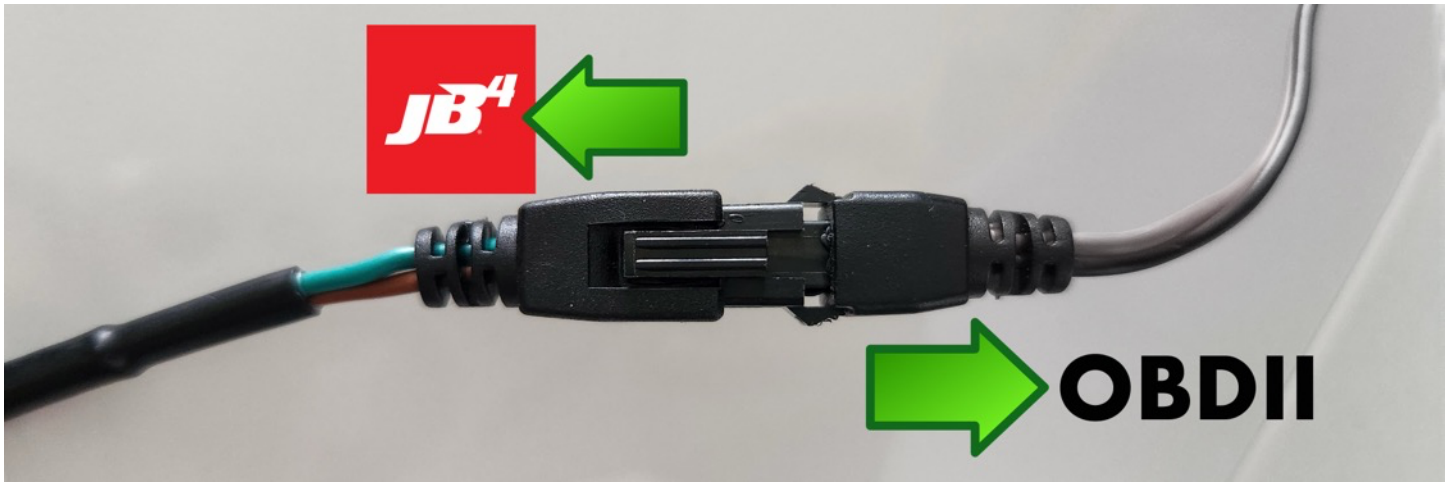
The vehicle can now be unlocked, and doors opened as OBDII can be installed and connected with vehicle awake. Connecting the optional OBDII cable enables advanced JB4 features such as code reading/clearing, advanced tuning features such as warm-up protection, additional data for datalogging, and more. The JB4 does not require this connection to add performance, but it is recommended.



The easiest “quick” method to route to the engine bay is around the door jamb. Alternatively, the “clean” method is to run the wire through the firewall into the pedal area if there are any unused grommets.



For the clean method you'll route the OBDII cable through a hole in the firewall and into the engine bay. There is a grommet that you can pull the wire through that will come out near the brake fluid reservoir. Plug the OBDII wire into the JB4PRO green/brown pair connector. If after installation your app shows no advanced data (engine speed, air/fuel ratio, ignition advance, etc.) then check this first, it's usually the problem.



Final Installation Check: Before starting the vehicle, ensure all JB4PRO connectors are fully seated and locked, the ground wire is securely attached, and all wiring is routed away from hot or moving engine components. Secure any loose wires with zip ties, reinstall all removed components, and verify that no tools or loose parts remain in the engine bay.

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

The JB4PRO comes preset to Map 1.

SCAN TO DOWNLOAD

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