BMS B38/B48 JB4 BETA
Install Guide

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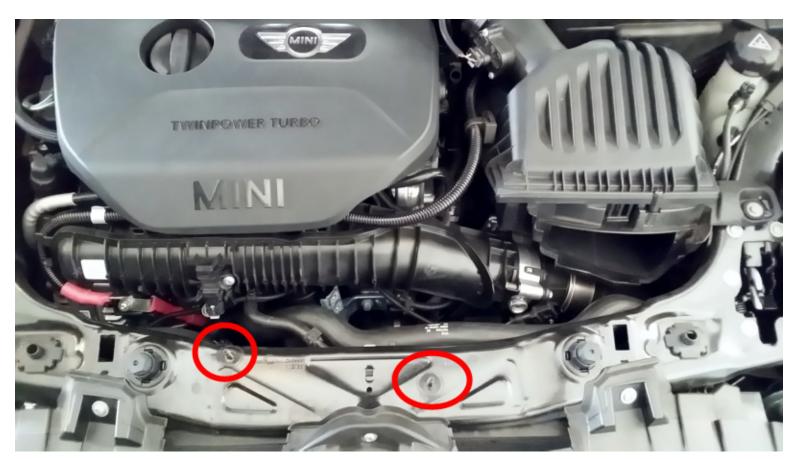
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Before starting installation open the hood, close the doors, lock the vehicle, and let it sit 5 minutes for the DME to go to sleep. Place the keys inside so you don't accidentally wake it up during the install process.

1) Using a 10mm socket remove the bolts holding the air duct and remove the air duct.

2) Locate the MAP sensor, pull the gray clip down, and unplug the sensor.

3) Plug the JB4 brown patch in to the sensor and plug the OEM connector in to the remaining connector on the brown patch.
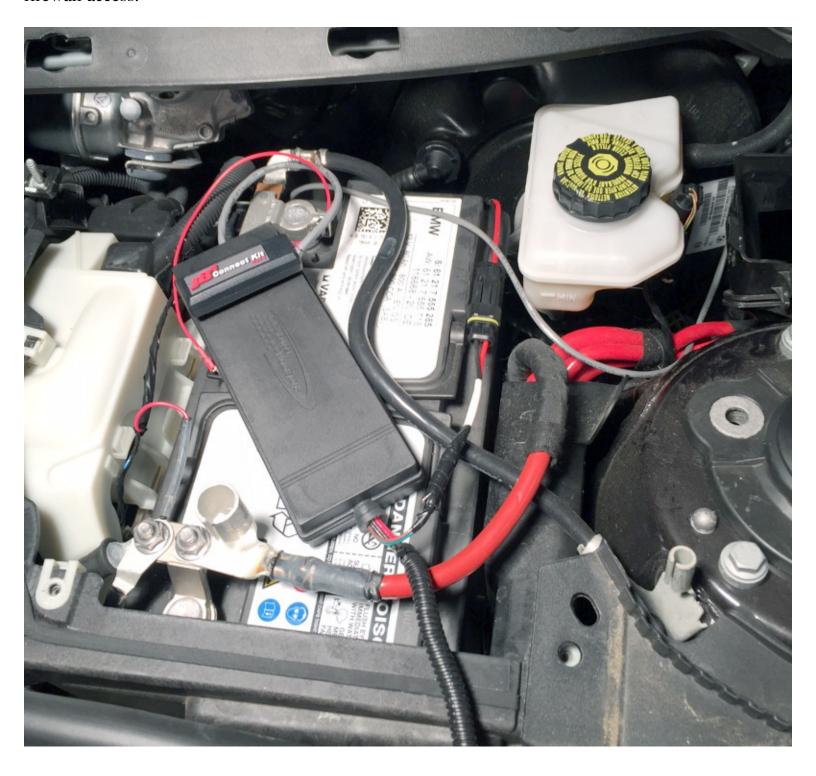
4) Locate the TMAP sensor, unplug it as you did the MAP sensor, connect the JB4 rainbow patch to the sensor, and connect the OEM harness to the JB4 rainbow patch.

5) Route the harness towards the driver side as shown and reinstall the air duct removed in the first step.

6) The final step is to connect the OBDII CANbus cable. Remove the battery cover panel to allow firewall access.
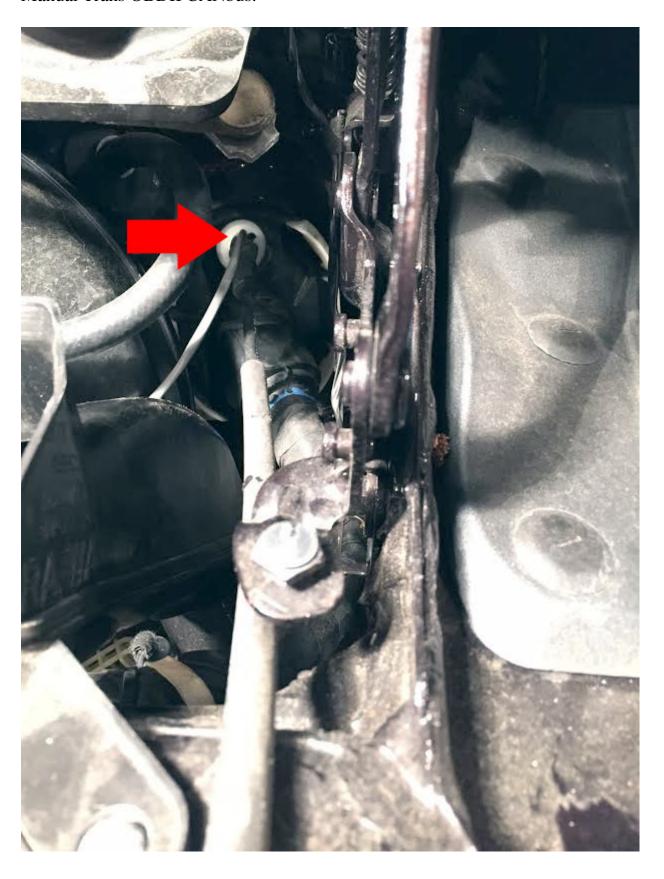
7) Using a screwdriver push in the plastic plug allowing access through the firewall. Note that manual trans models have a clutch line/grommet installed in this location and you'll similarly move it ajar to allow space to feed the OBDII cable through.

Automatic Trans OBDII CANbus:

Manual Trans OBDII CANbus:

8) From the driver side of the vehicle drop the lower kick panel by removing two 2mm bolts and pulling it down.

9) Push the OBDII cable through the firewall hole and plug it in to the matching small black connector on the JB4 harness. Extra wire length can be coiled out of the way.

10) Plug the OBDII plug in to the OBDII port and reinstall the kick panel.

11) Position the JB4 control box on top of the batter taking care to ensure the optional BMS DATA cable if equipped does not touch the battery terminal. Reinstall all removed covers.

Installation is complete! The JB4 comes preset from the factory so no additional changes are needed. Refer to n54tech for map switch directions, additional use notes, interface software, and any other information.