

## Alfa Romeo Giulia 2017+ BMS JB4 Beta Install Guide

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Open the hood, lock the doors, place your key far enough from the car not to wake it up, and wait 5 min for the vehicles computer to go to sleep.



Tools Needed: Small flat head Rachet wrench with extension 10mm socket



The JB4 system has 3 connections total:

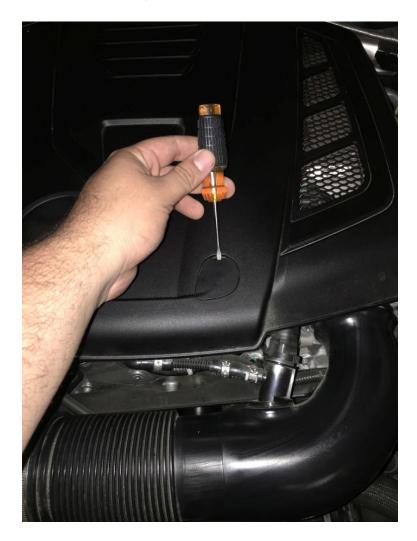
TMAP (Rainbow colored wires, 4 position connector)
MAP (Brown colored wires, 3 position connector)
OBDII (black wire, small 4 position connector to attach to JB4 harness.)

Check the JB4 harness to ensure it's the correct model for the Alfa. The connections and wiring colors will look like this:





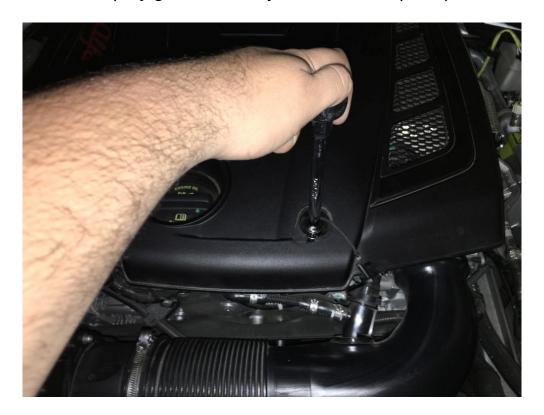
To view the connectors you will have to remove the engine cover. Use the small flathead to remove the tabs covering the 10mm bolts.







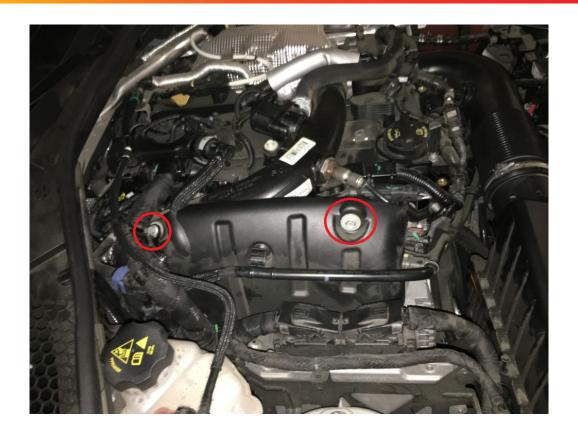
Remove the x2 10mm bolts that hold the engine cover down, then remove the engine cover. The rear is held up by grommets so you will have to pull up with some force.



Once the engine cover is removed, there is another cover with x2 10mm bolts that needs to be removed.



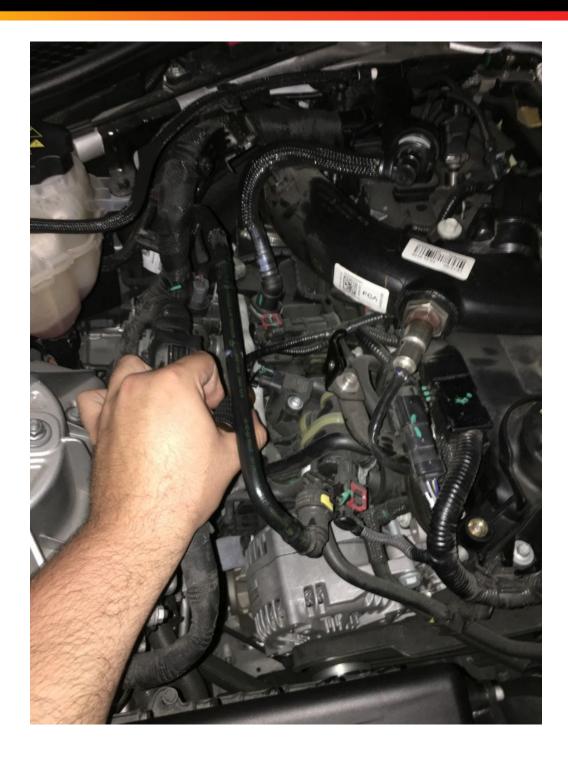




Once the secondary cover is removed you have access to the sensor connections. The first sensor is located on the intake manifold, and we will be using the 4POS Rainbow connectors.

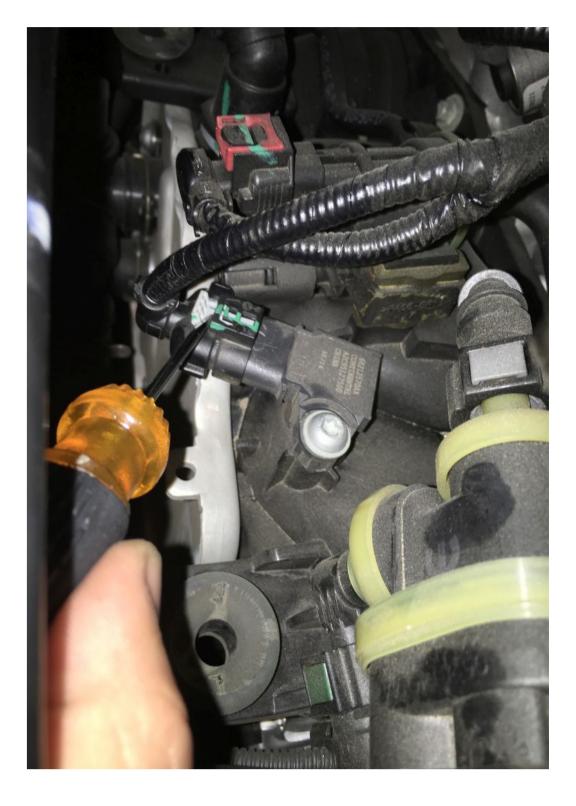




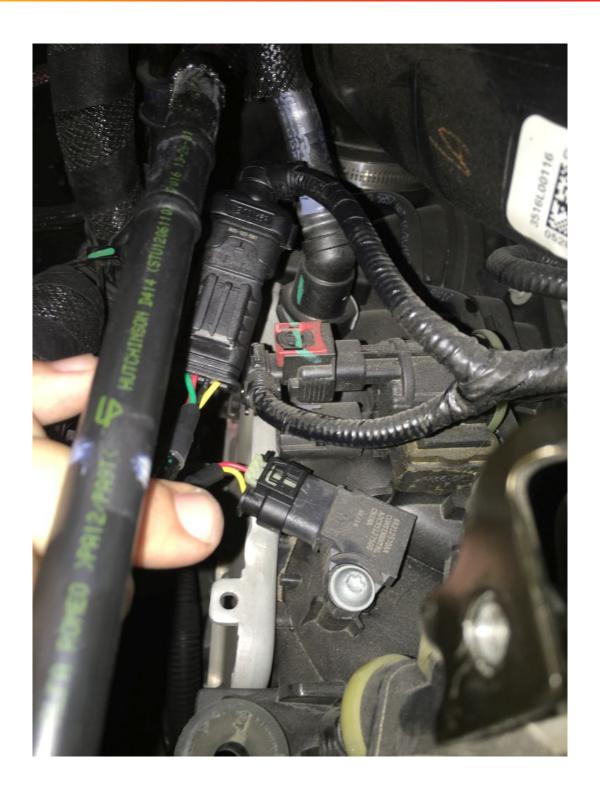




Use a small screwdriver to lift up the retaining clip, press the clip in, and release the sensor. Push the JB4 harness in to the sensor and the factory harness in to the JB4 harness.







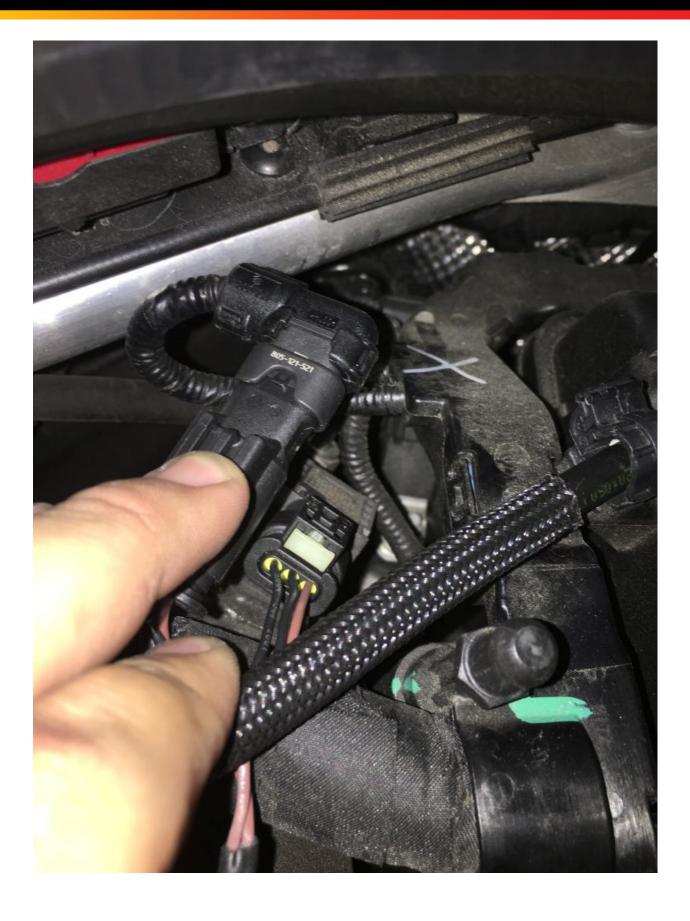


The second connector is on the chargepipe located near the firewall of the car. You will need to do the same with the 3POS brown wire connector.





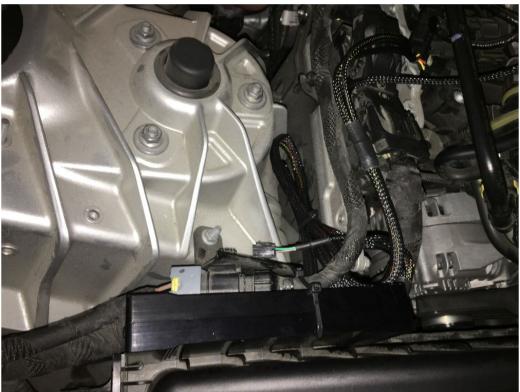






The JB4 control box will sit near the intake. The extra slack from the harness can be ziptied. You can also ziptie the JB4 to the existing OEM harness.







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 positap, 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:





Put the heat cover and the engine cover back on. The basic JB4 and installation is complete!

The OBDII connection allows the JB4 to read in advanced engine data and further improve it's tuning. See the Alfa thread below for an installation video for the OBDII routing.



The JB4 comes preset to map1 which is around 3psi over stock. Refer to this thread for the full map guide, latest firmware, and additional details:

https://www.n54tech.com/forums/showthread.php?t=55457