



Ford Mustang EcoBoost 2.3L Turbo JB4 Install Guide
Last updated 2/16/2019

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Optional JB4 App Shown

Open the hood, lock the doors, place your key far enough way to prevent waking up the ECU, and wait 5 minutes before starting the installation. Alternatively you can disconnect the negative battery cable.



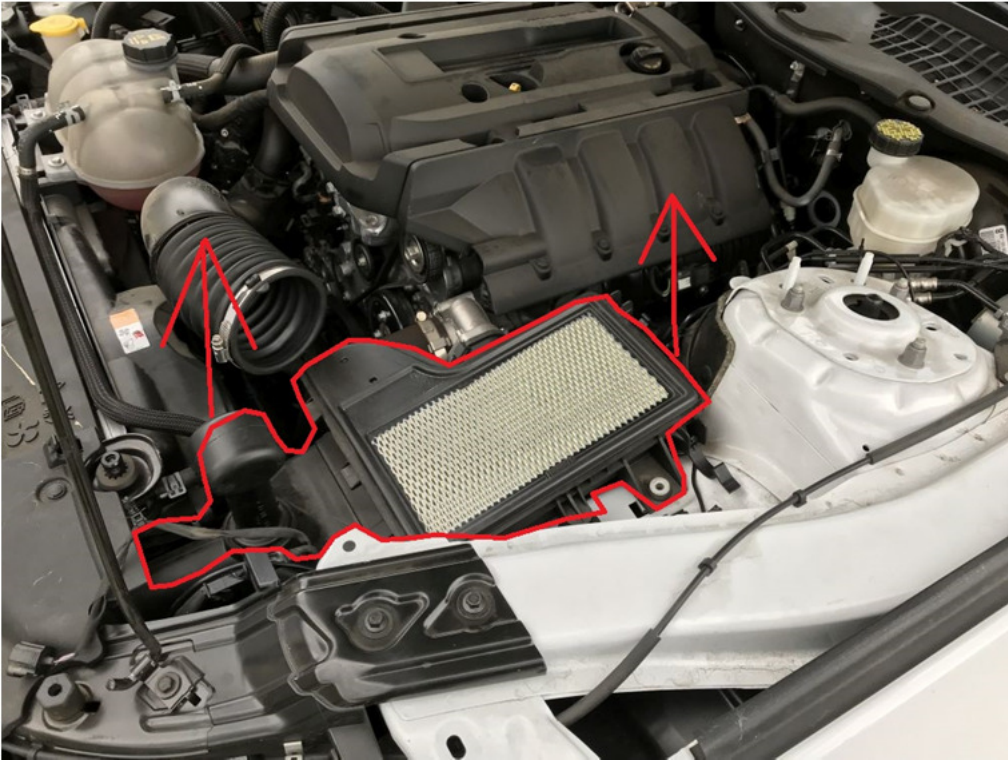
Remove the airbox lid by screwing the clamp and unplugging the IAT sensor connector. Then remove the 10mm nut holding the intake. There are also two tabs where the arrows are pointing to where you will need to undo.



Airbox lid is now free to put away.

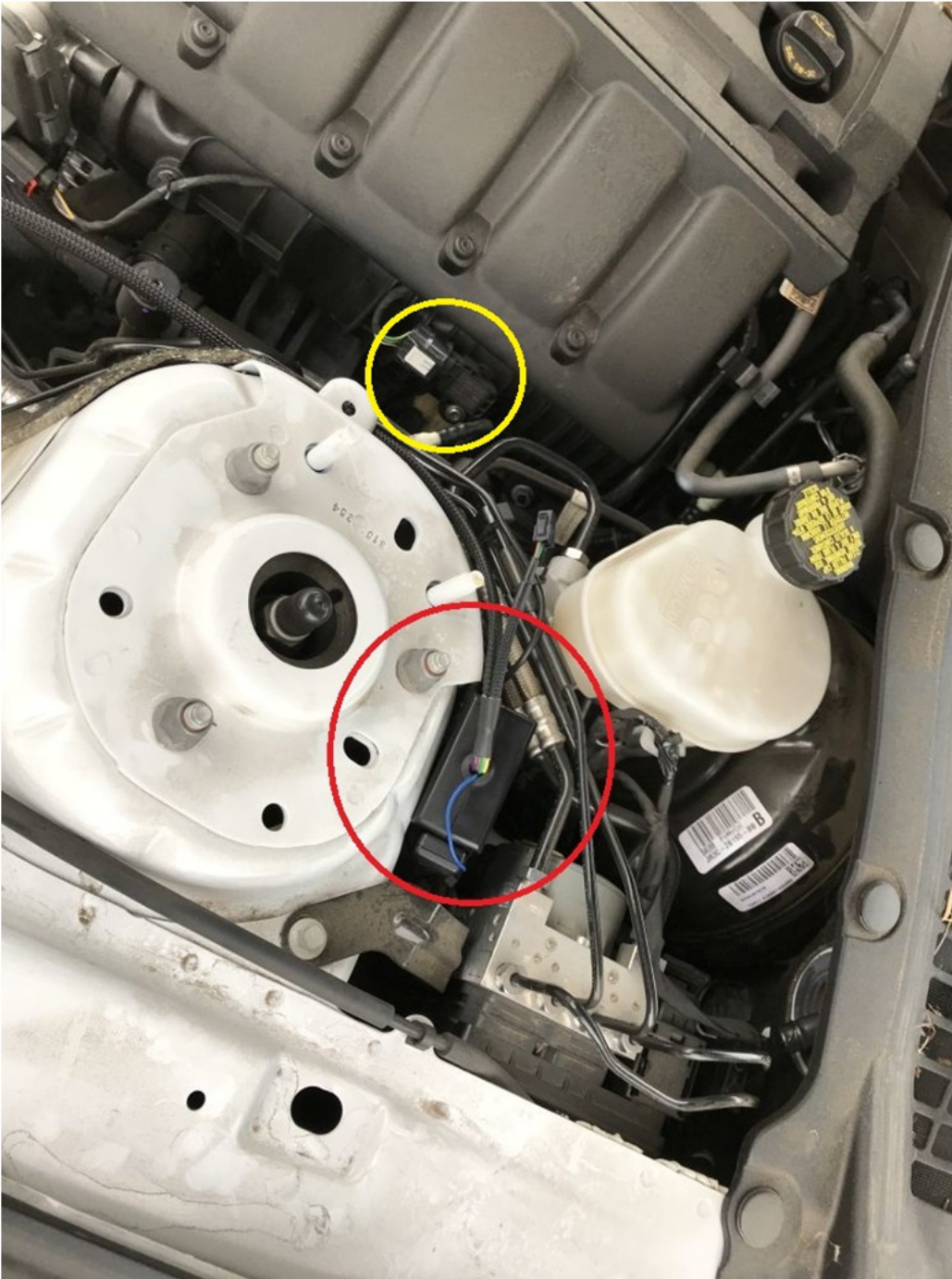


Remove the lower airbox, all you need to do is pull up and out.
It's held by grommets, so you don't need much force.



Place the JB4 snugly behind the driver strut tower.

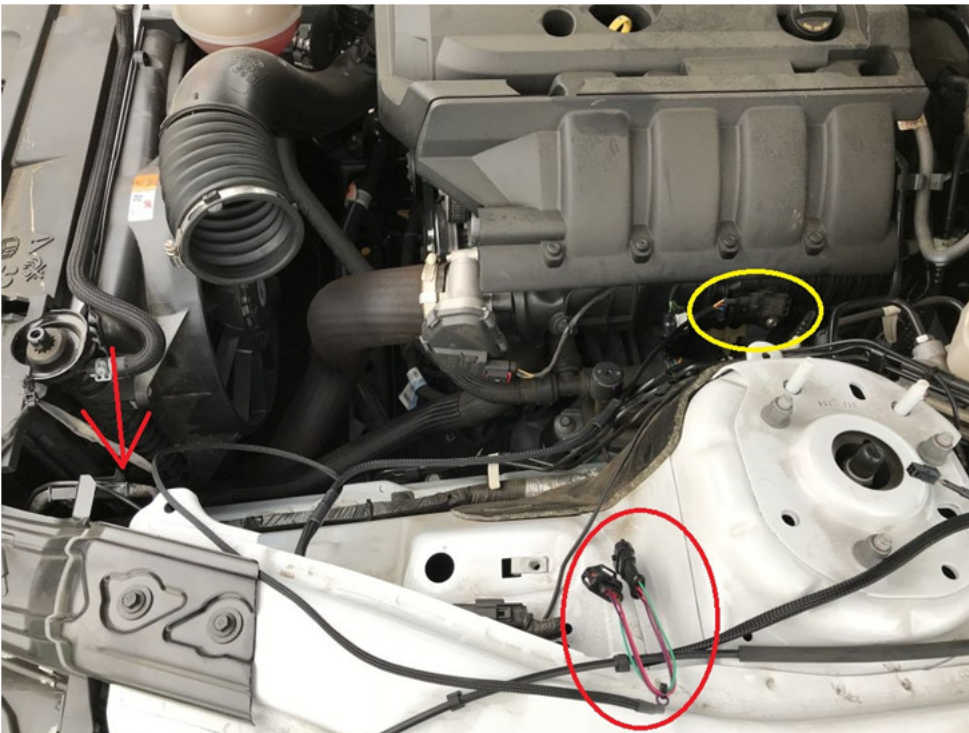
The first connector will be the 4 wire on the intake manifold circled in yellow below.



Remove the factory connector from the sensor on the intake manifold. Push the JB4 harness in to the sensor and the factory harness in to the JB4 harness like below:



We will now need to do the same for the 3 wire pressure connector, the sensor is located on the intercooler. It is in a tight location you will need to use a flashlight where the arrow is pointing to.



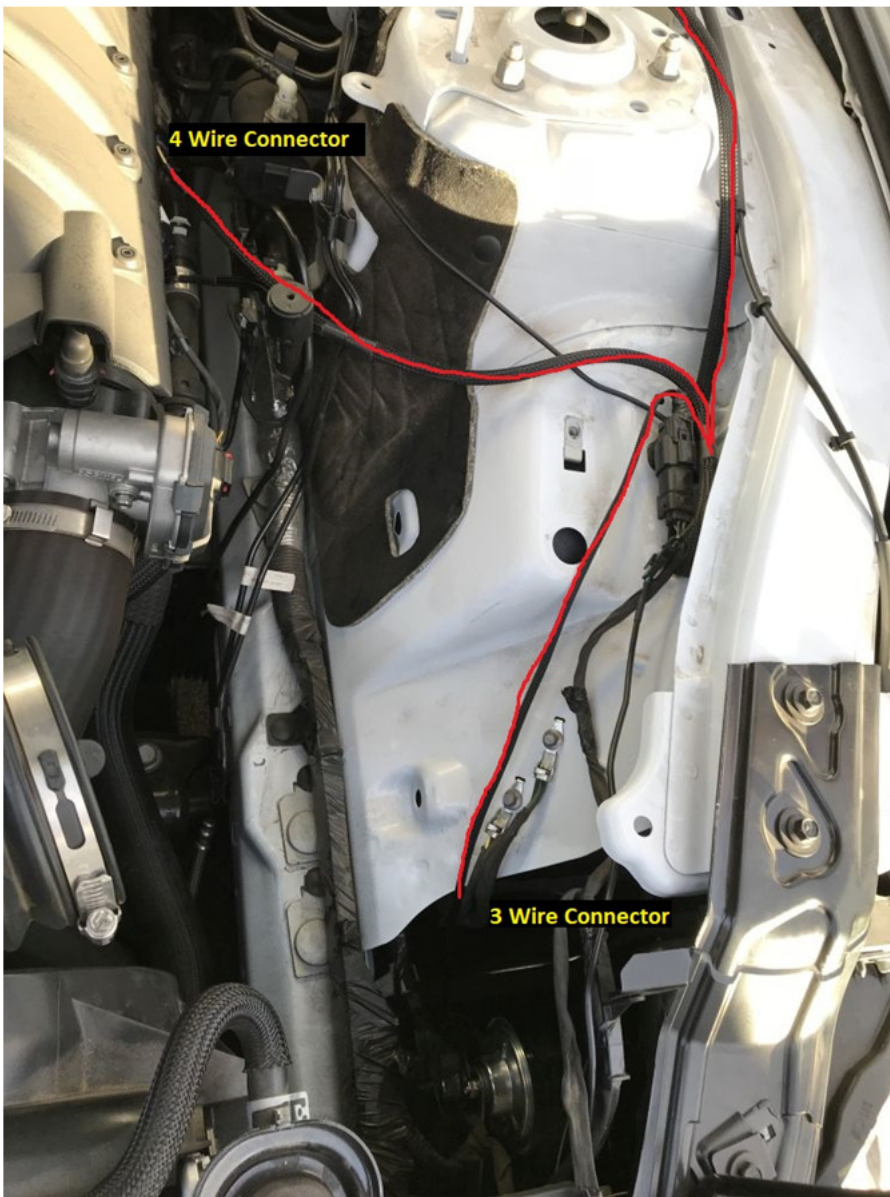
The pressure sensor is located in between the condenser and radiator.



Route the JB4 harness wire around and under the frame of the car to reach the factory connector and sensor. Push the JB4 harness in to the sensor and the factory harness in to the JB4 harness.



Tuck away the JB4 harness and route the wiring as shown.



Put the air intake back together.

The next step is the optional OBDII cable. While not required attaching it provide the JB4 with much more engine data allowing stronger smoother performance, logging to the JB4 mobile app, and more.

Plug the OBDII in under the dash and push the other end through the existing hole in the firewall. Then plug the cable in to the JB4 harness small black connector so it clips in place.





Installation is complete! The JB4 comes preset to map1. For the full map guide, latest firmware, settings, and troubleshooting assistance visit the support thread here:

<https://www.n54tech.com/forums/showthread.php?t=55001>