



FIAT 500 1.4L Turbo Power+ ECM Installation Manual



IMPORTANT:

Read all Safety, Warranty, and Installation Instructions before installing this product.

This D.I.Y. is for informational use only.

SILA Concepts will not be held responsible for any damages caused to your vehicle due to installation or due to the use of the **Power+ ECM..**

Professional installation is recommended but not required.

If you have any questions please contact us for assistance for any questions you may have.

FIAT 500 1.4L Turbo MAXPower ECM Installation



Module Installation:

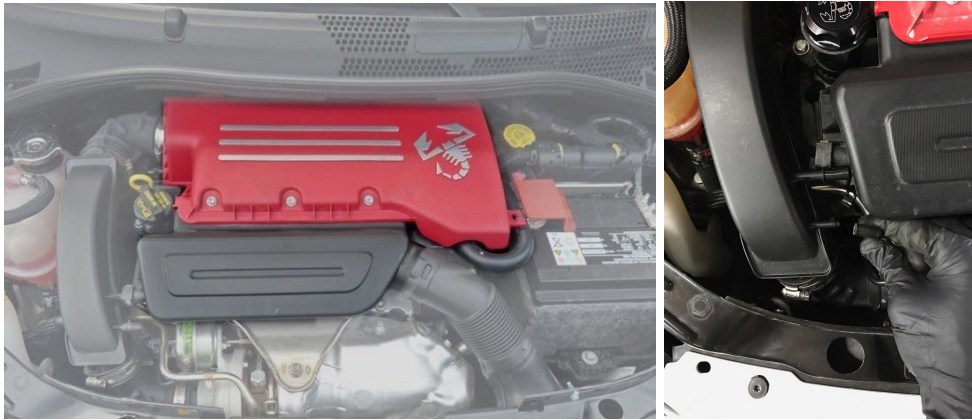
The **Power+ ECM** can be mounted to the top of the motor located on the passenger side of the engine compartment. Adhere the module using Velcro or double-sided tape, allowing enough harness movement for removal (if/when required.)

Harness Connections:

Make sure that the **Power+ ECM** is always connected to the harness when the wiring harness is installed on the vehicle. Not doing so may cause the vehicle to run improperly, may trigger warning lights or Check Engine Light (CEL), or any combination thereof.

Factory Airbox Removal:

1. Disconnect the negative (black) terminal from the battery using a 10mm wrench and place the connection out of the way.
2. Loosen the 8mm hose clamp that connects the airbox coupler to the 2" turbo inlet.
3. Disconnect the vacuum lines from the stock intake tube.
4. Remove the 8mm bolt that secures the accordion tubing to the radiator core support.
5. Gently pry off the $\frac{3}{4}$ " PCV hose connected to the valve cover.
6. Lift-up and remove the airbox from the vehicle.

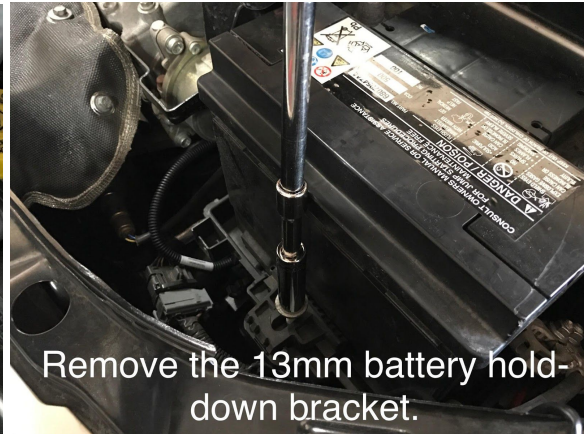


Removing Battery + Battery Tray:

You will need to make room to access the Boost Pressure sensor. Follow the steps below to remove the battery and battery tray from your vehicle.



Loosen the 10mm nut on the + terminal.



Remove the 13mm battery hold-down bracket.



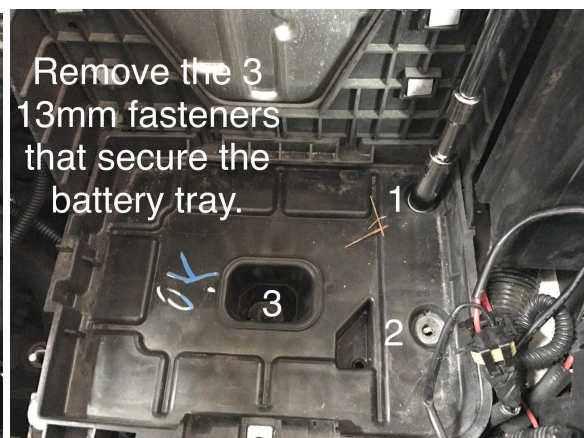
Remove the battery from the vehicle.



Pivot the ECU connector upwards to release connection.



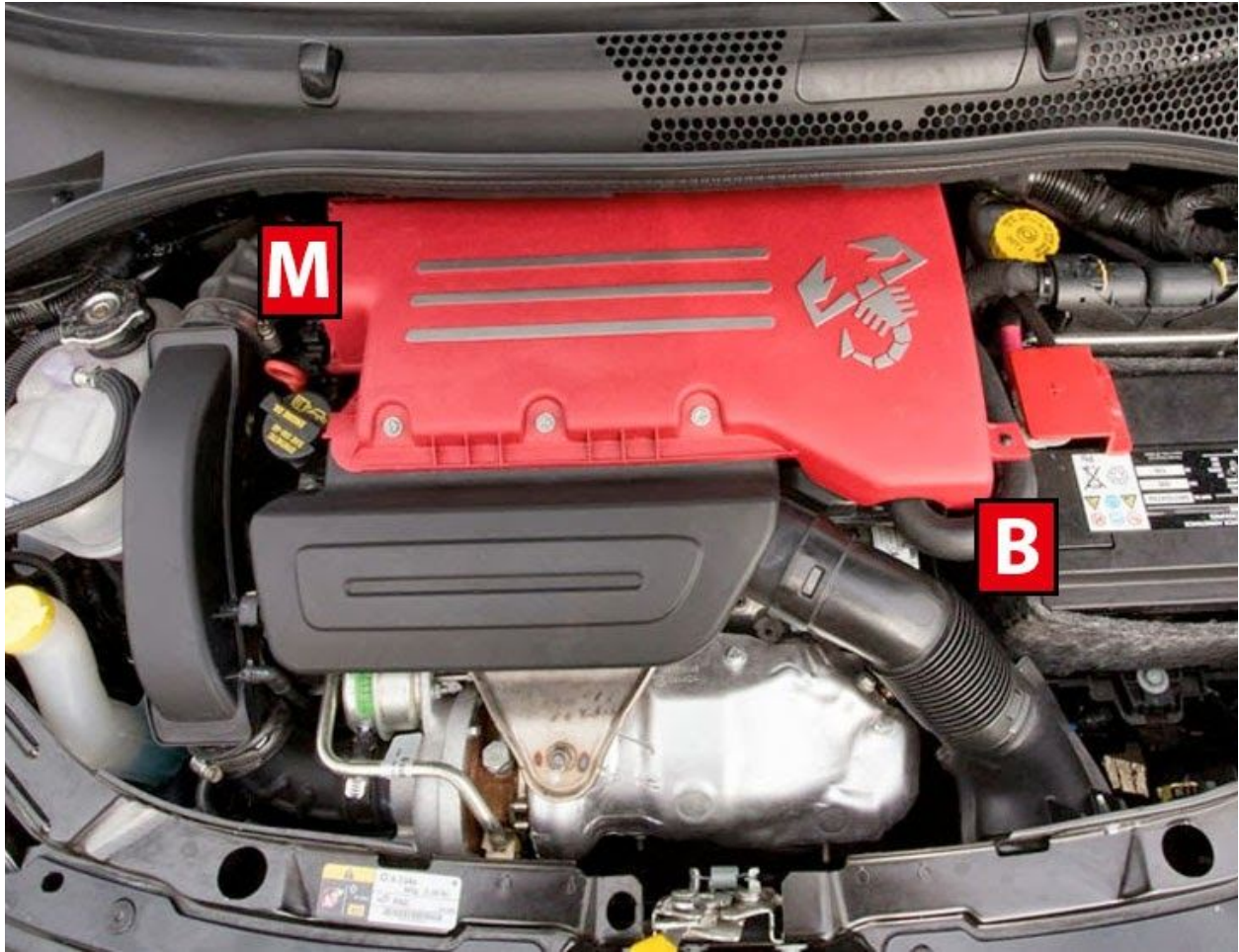
Do the same to the second connection. Tuck harness out of the way.



Remove the 3 13mm fasteners that secure the battery tray.



Sensor Connections Overview:



The image above shows the location of the sensors the **Power+ ECM** taps into.

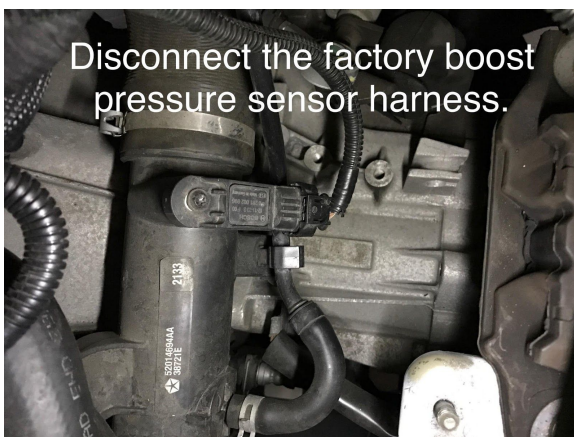
B. Boost Pressure Sensor
M. Manifold Air Pressure Sensor

B - Boost Pressure Sensor Connection:

The Boost Pressure sensor is located under the battery tray on the main charge pipe. This will require removing the battery from the vehicle as well as the battery tray.

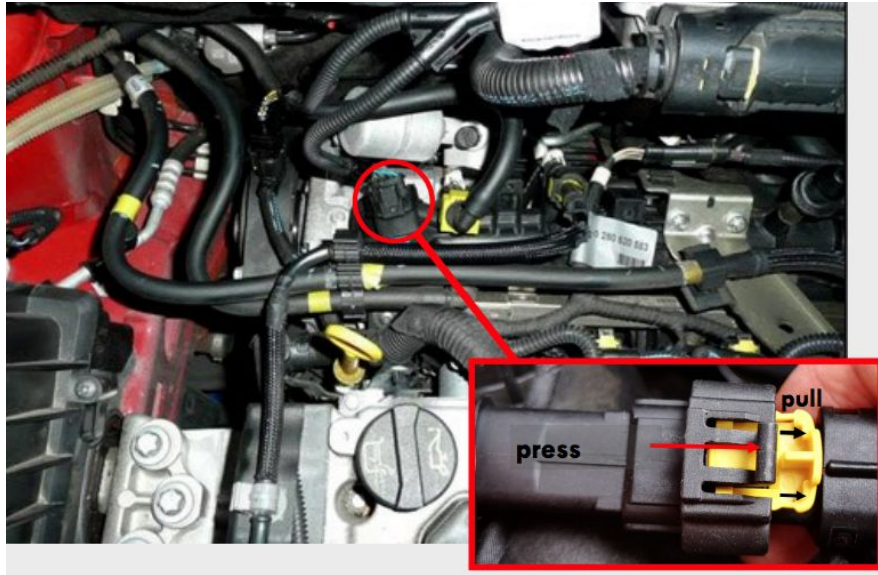


1. Disconnect the factory Boost Pressure Sensor from the factory harness.
2. Connect the **Power+ ECM** Boost Pressure Sensor in between the factory Boost Pressure Sensor and the factory harness.

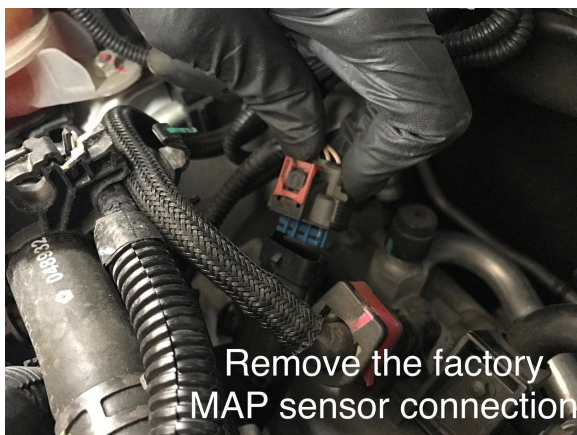


M - Manifold Pressure Sensor Connection:

The Manifold Pressure sensor is located on top of the engine (passengers side near firewall). See the image below to see the exact location.



1. Disconnect the factory Manifold Pressure Sensor from the factory harness.
2. Connect the **Power+ ECM** Manifold Pressure Sensor in between the factory Manifold Pressure Sensor and the factory harness.



Final Inspection:

1. Recheck all connections, fittings and fasteners for a properly secure installation.

Operation:

The factory ECU will go through an adaptation phase with the **Power+ ECM**. In general this process should take approximately 80 miles to complete. After completion the factory ECU and **Power+ ECM** will be optimized to run together for maximum performance.



SAFETY INFORMATION

The product you have purchased is a high performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read all the following safety information.

SAFETY GUIDELINES:

1. Do not exceed legal speed limits on public streets. Use any performance speed capabilities of this product only in legally sanctioned racing environments expressly for this purpose.

All **Power+** modules are built to operate with OEM ECU tunes. SILA Concepts updates its active products (i.e. those currently being manufactured) to work effectively with updated OEM tunes. However, this process can take some time, as SILA Concepts is not always aware of calibration changes made by OEM manufacturers.

If you have used another tuner/programmer on your vehicle, you will need to revert back to stock and remove the device before using the **Power+ ECM**.

Failure to return to stock may result in PCM failure or engine damage.

Programming your vehicle may expose existing defects in your vehicle's PCM that could disable your vehicle.

Technical Support



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