

Installation Instructions

VAG 1.4 Twin Charger

Bluespark
AUTOMOTIVE



This product has been designed and manufactured to work correctly with installation as described in these instructions.

Failure to follow these instructions could result in damage to property, damage to the product and or potential injury.

It is very important that you read and understand these instructions thoroughly before installing this product.

Included Contents:

- Tuning Module
- Wiring Loom
- Fastening Ties
- Installation and User instructions
- Protective Bag For Module – (prevents damage to unit casing)



Before installation:

1. Open the vehicle's bonnet
2. Remove the ignition key
3. Close and lock the doors
4. Wait 5 minutes before removing any electrical plugs



Do not open the vehicle doors or unlock the vehicle while installation is in progress.

Installation Location:

The module should be installed between the vehicle's MAP and Boost sensors as shown in the diagram.

Locating the Unit:

The unit itself should be mounted away from:



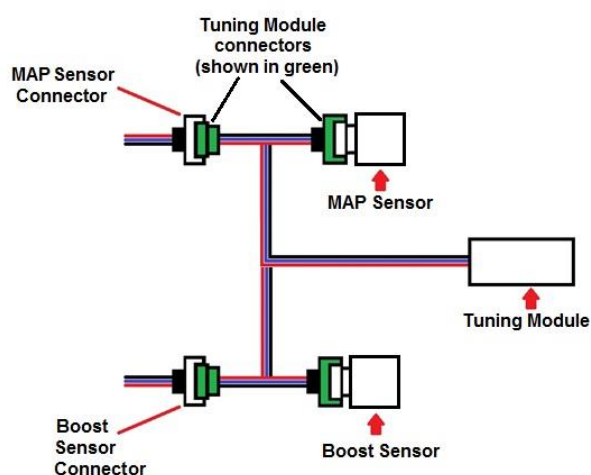
Sources of Extreme Heat



Sources of Vibration



Sources of Spray Water



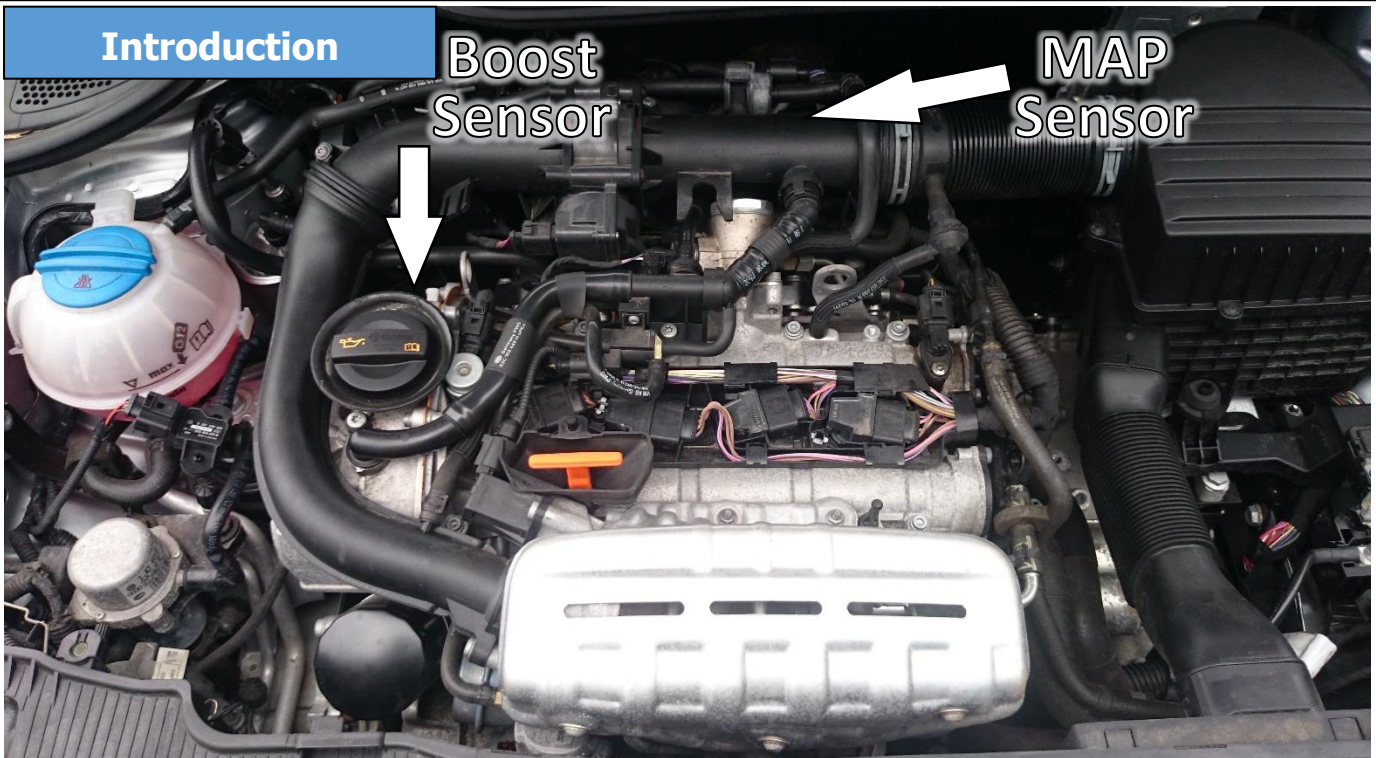
FEP4-FEP4-Pet6-725

Installation Instructions

VAG 1.4 Twin Charger

Bluespark
AUTOMOTIVE

Introduction



- Ensure that your engine looks similar to the supplied photographs. (minor changes with ancillary components are to be expected, however if the engine looks nothing alike, please contact Bluespark Support.)
- Familiarise yourself with the locations of the connectors highlighted.
- Make sure that you have a good grasp of the operation of the connector clips and or locking tabs. - If the connectors you are trying to access are in an awkward place, it may be useful to try unplugging (and then re-inserting) a connector on the vehicle which is more easily accessible. Alternatively try plugging together the connectors on the Tuning Module itself.

Please see <https://youtu.be/wA1qVItQWRI> For a demonstration video on how to release the connectors.

Installation Instructions

VAG 1.4 Twin Charger

Bluespark
AUTOMOTIVE

Step 1



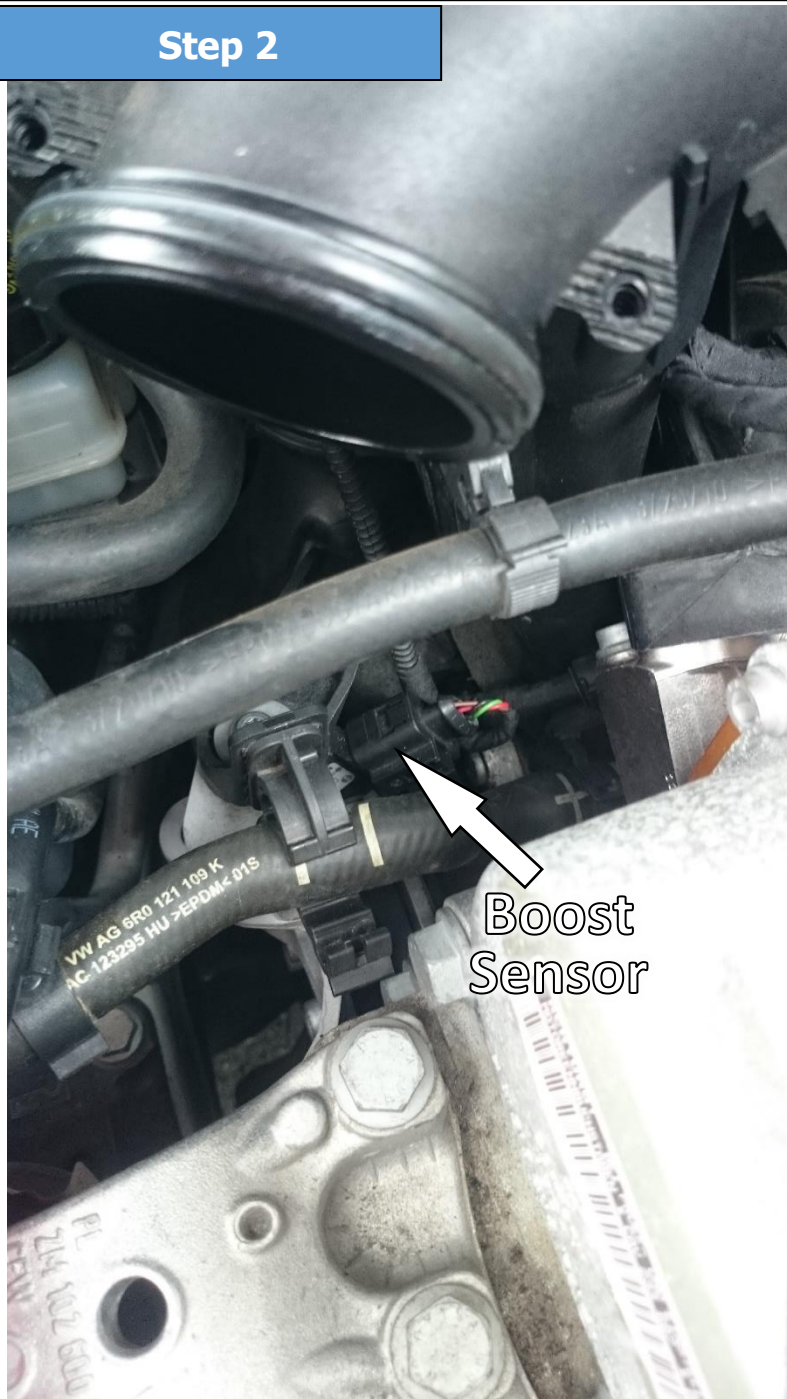
- To gain access to the Boost pressure sensor the intake pipe must be removed
- Remove the bolts indicated with red circles
- Once the bolts are removed, remove the intake pipe.
- The turbo pressure sensor is located underneath the intake pipe near a V-belt.

Installation Instructions

VAG 1.4 Twin Charger

Bluespark
AUTOMOTIVE

Step 2



Boost
Sensor

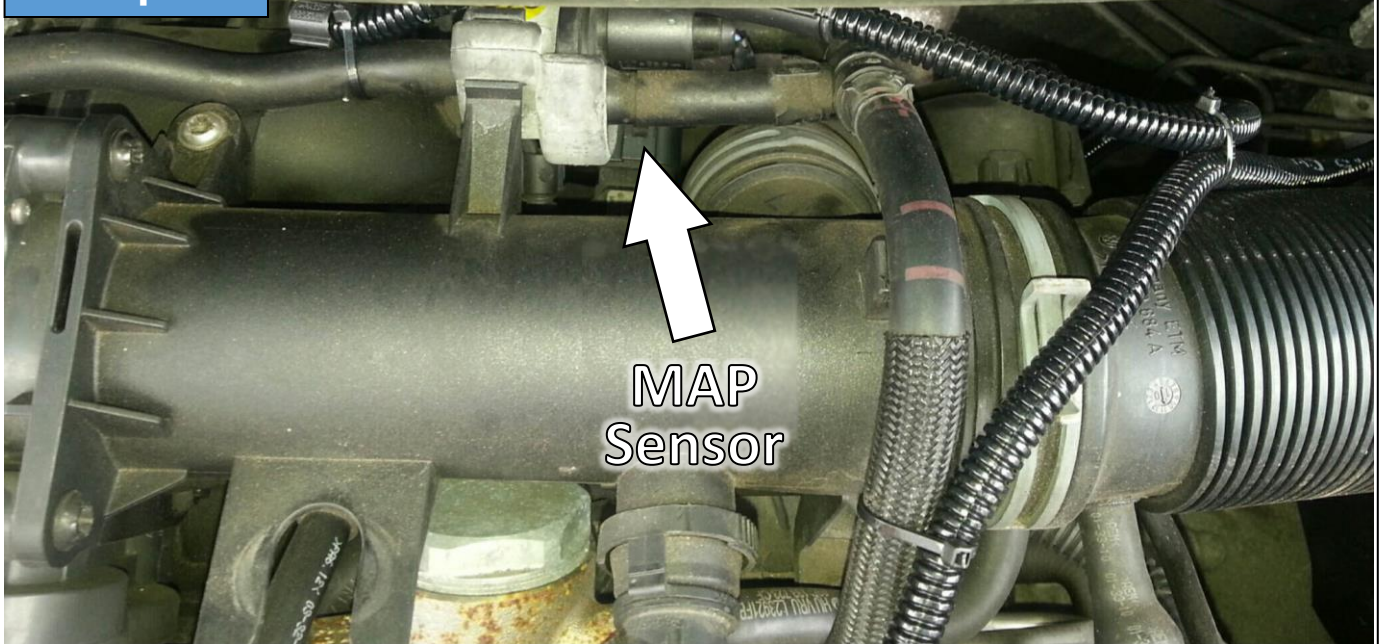
- Unplug the Boost Sensor connector (4 pin) by pressing down the releasing clip and pulling back the connector.
- Insert the connector from the Tuning Module's wiring loom into the Boost Sensor.
- Insert the Vehicle's Boost Sensor connector into the corresponding connector on the Tuning Module's wiring loom.

Installation Instructions

VAG 1.4 Twin Charger

Bluespark
AUTOMOTIVE

Step 3



- Unplug the Map Sensor connector (4 pin) by pressing down the releasing clip and pulling back the connector.
- Insert the connector from the Tuning Module's wiring loom into the MAP Sensor.
- Insert the Vehicle's MAP Sensor connector into the corresponding connector on the Tuning Module's wiring loom.



Route the tuning box wiring harness away from sources of heat (exhaust manifolds, EGR pipes, most stainless steel pipes) and also away from any rotating parts such as belts.

- Carefully re-install all engine covers that have been removed during the installation process.
- With the unit successfully installed please secure the unit and wiring loom within the engine bay, paying attention to the guidelines highlighted on Page 1.
- Double check all connections are correct and firmly connected. If this is the case, start the vehicle and ensure there are no engine warning lights or error messages displayed.