

Installation Instructions

Kia-Hyundai Petrol Turbo Models



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:



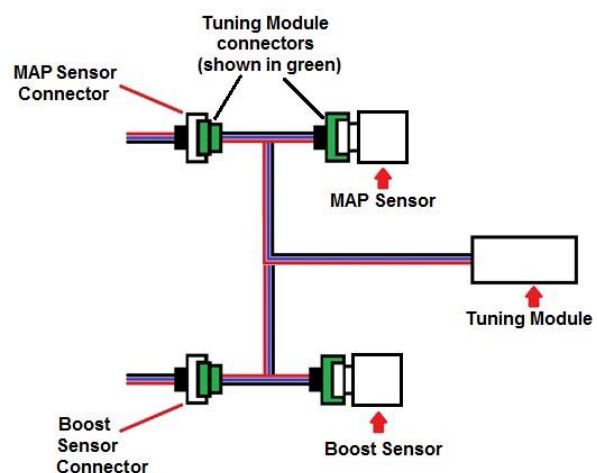
Sources of Extreme Heat



Sources of Vibration



Sources of Spray Water



KH4+KH3-Pet31-817

Installation Instructions

Kia-Hyundai Petrol Turbo Models

Bluespark
AUTOMOTIVE

Introduction



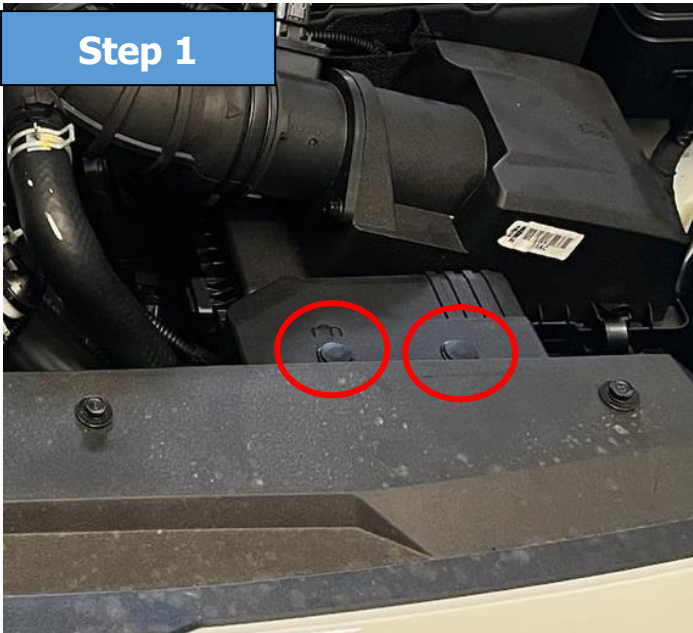
- Remove the plastic engine cover to expose the engine underneath. This usually just pulls off.
- Familiarise yourself with the locations of the connectors highlighted.
- Make sure that you have a good grasp of the operation of the connector clips. If the connectors you are trying to access are in an 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.

Installation Instructions

Kia-Hyundai Petrol Turbo Models

Bluespark
AUTOMOTIVE

Step 1



- Remove the intake air cover by removing the two push clips.

This will allow easier access to the boost sensor.

Step 2



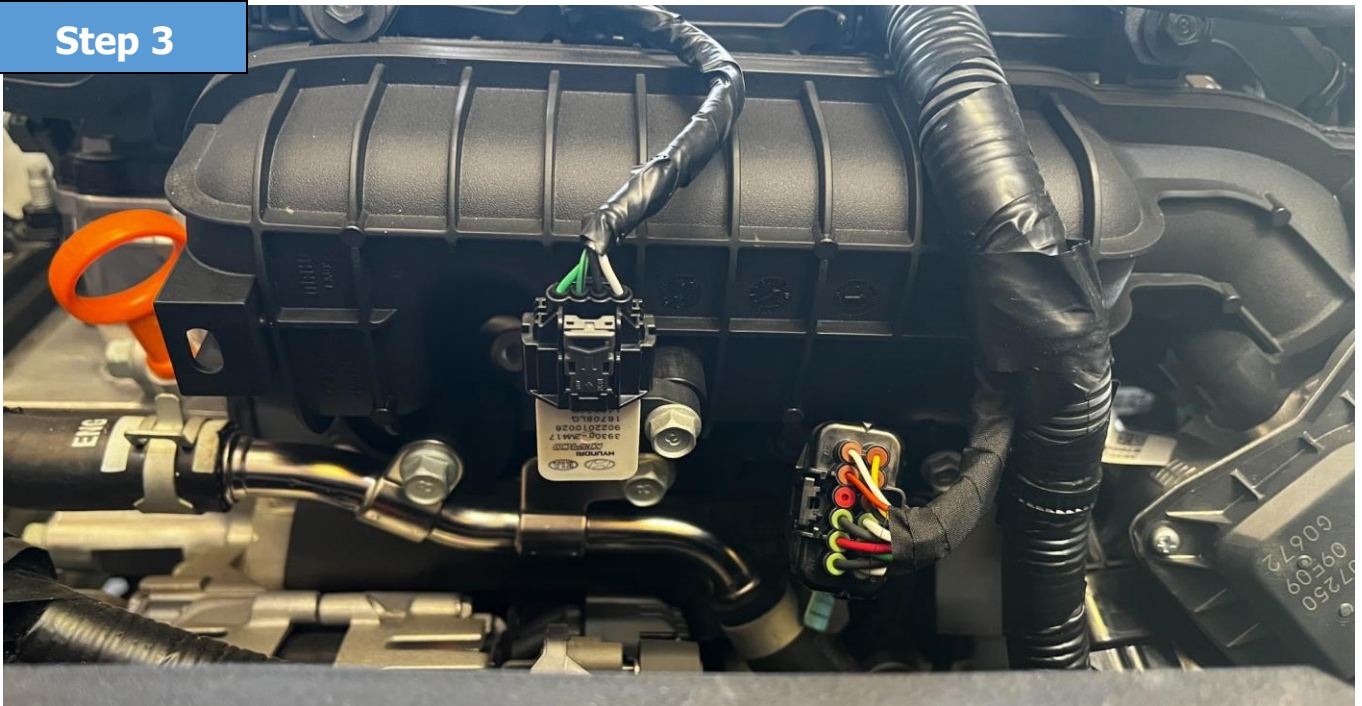
- Unplug the Boost Sensor connector (3 pin) by pressing down the releasing clip and pulling back on the connector.
- Insert the connector from the Tuning Module's wiring loom into the Boost Sensor.
- Insert the Vehicle's Boost Sensor connector into the corresponding connector on the Tuning Module's wiring loom.
- Secure the Boost wiring loom.

Installation Instructions

Kia-Hyundai Petrol Turbo Models

Bluespark
AUTOMOTIVE

Step 3



- Unplug the MAP Sensor connector (4 pin) by pressing down the releasing clip and pulling back on 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.
- Secure the MAP wiring loom and re-install the battery tray.

Installation Instructions

Kia-Hyundai Petrol Turbo Models

Bluespark
AUTOMOTIVE



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.

- 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.

If everything is as it should be, please feel free to take the vehicle out for a test drive and enjoy the added responsiveness and power added to your vehicle by the Tuning Module.