

Installation Instructions

BMW/Mini B38/48 OPF Emulator



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 OPF sensor and OPF connector as shown in the diagram.

Locating the Unit:

The unit itself should be mounted away from:



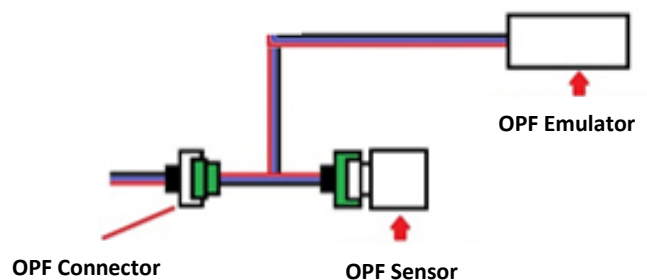
Sources of Extreme Heat



Sources of Vibration



Sources of Spray Water



H3 OPF Emulator-847

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Introduction



IMPORTANT:

Your OPF pressure sensor pipework must be physically connected to your exhaust exactly as standard. The emulator relies on receiving a pressure signal from the exhaust. DO NOT cap off or disconnect any pipes or the emulator will not work.

After install it is occasionally necessary to do an OPF reset with ISTA+ or another diagnostic tool.

Click on:

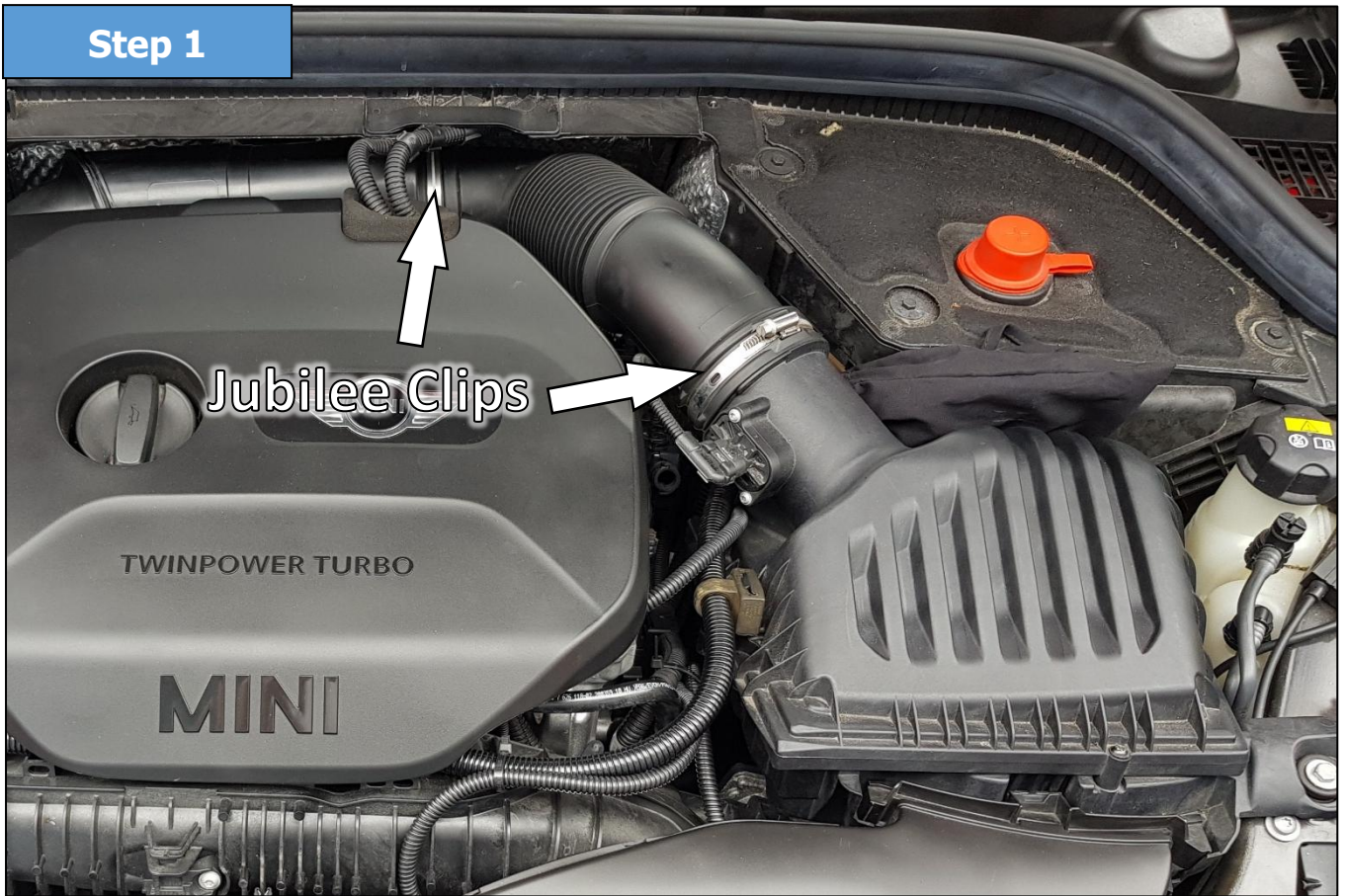
1. Vehicle management
 2. Service functions
 3. Powertrain
 4. Engine electronics
 5. Petrol particulate filter
 6. Petrol particulate filter: register replacement.
 7. Then clear all errors.
- You do not need to remove the plastic engine cover to install the unit to this engine.
 - Familiarise yourself 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.

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Step 1



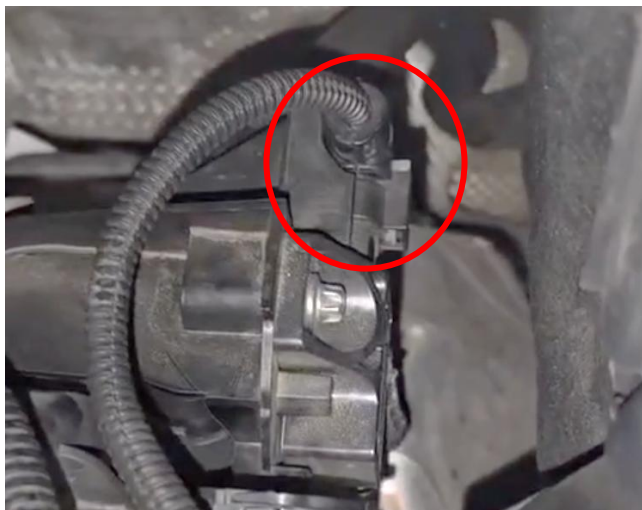
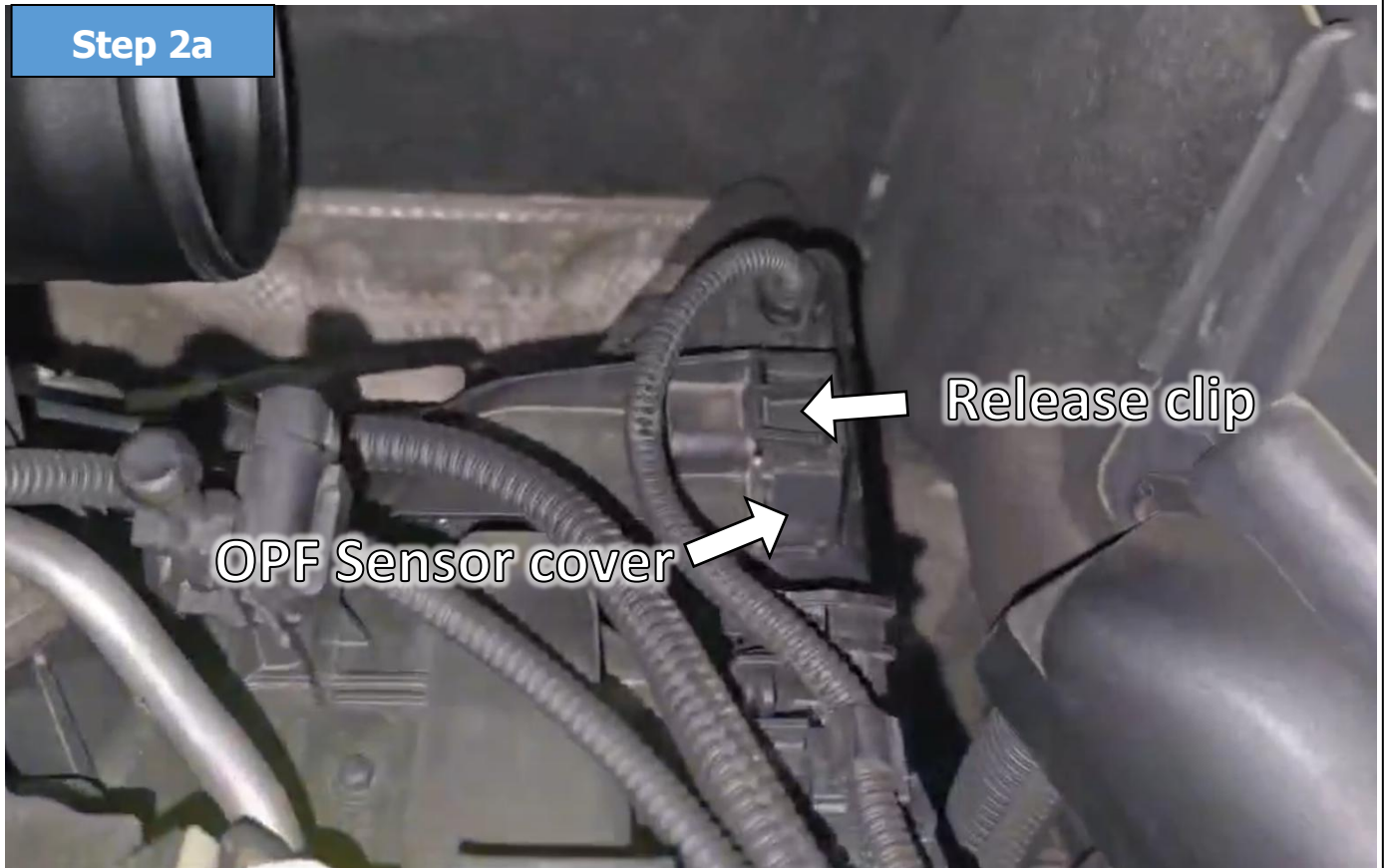
- Remove the elbow pipe by loosening the two jubilee clips highlighted above.

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Step 2a



- Remove the OPF sensor protective cover by gently pulling back the release clip (a small flat head screwdriver can be used for this).

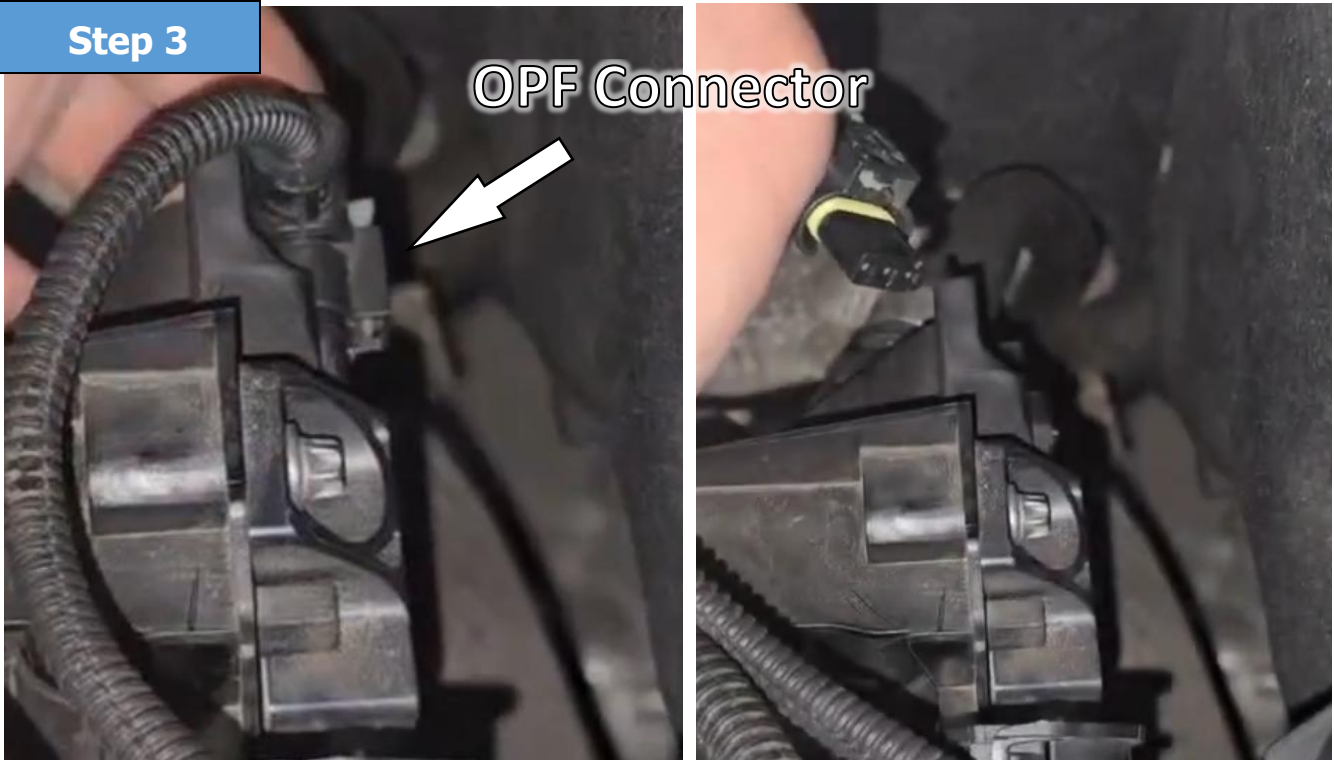
You will now be able to access the OPF sensor connector as shown in the image to the left.

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Step 3



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

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- 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.
- Replace the elbow pipe, ensuring jubilee clips are tightened sufficiently.



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.