

Installation Instructions

1.5 CDi/DCi Engines – CR Tech & Bluespark Pro

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 Rail and Boost Pressure sensors as shown in the diagram.

Locating the Unit:

The unit itself should be mounted away from:



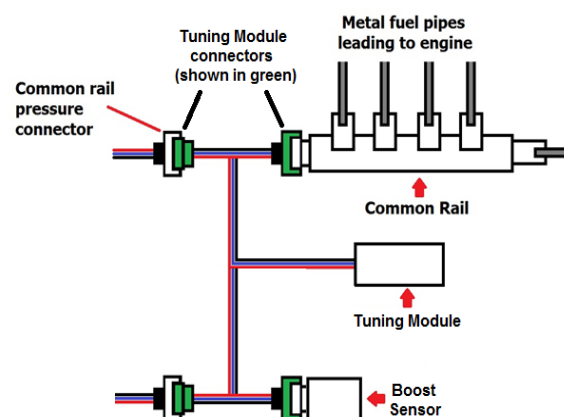
Sources of Extreme Heat



Sources of Vibration



Sources of Spray Water



FS-B3-B-063B

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Introduction



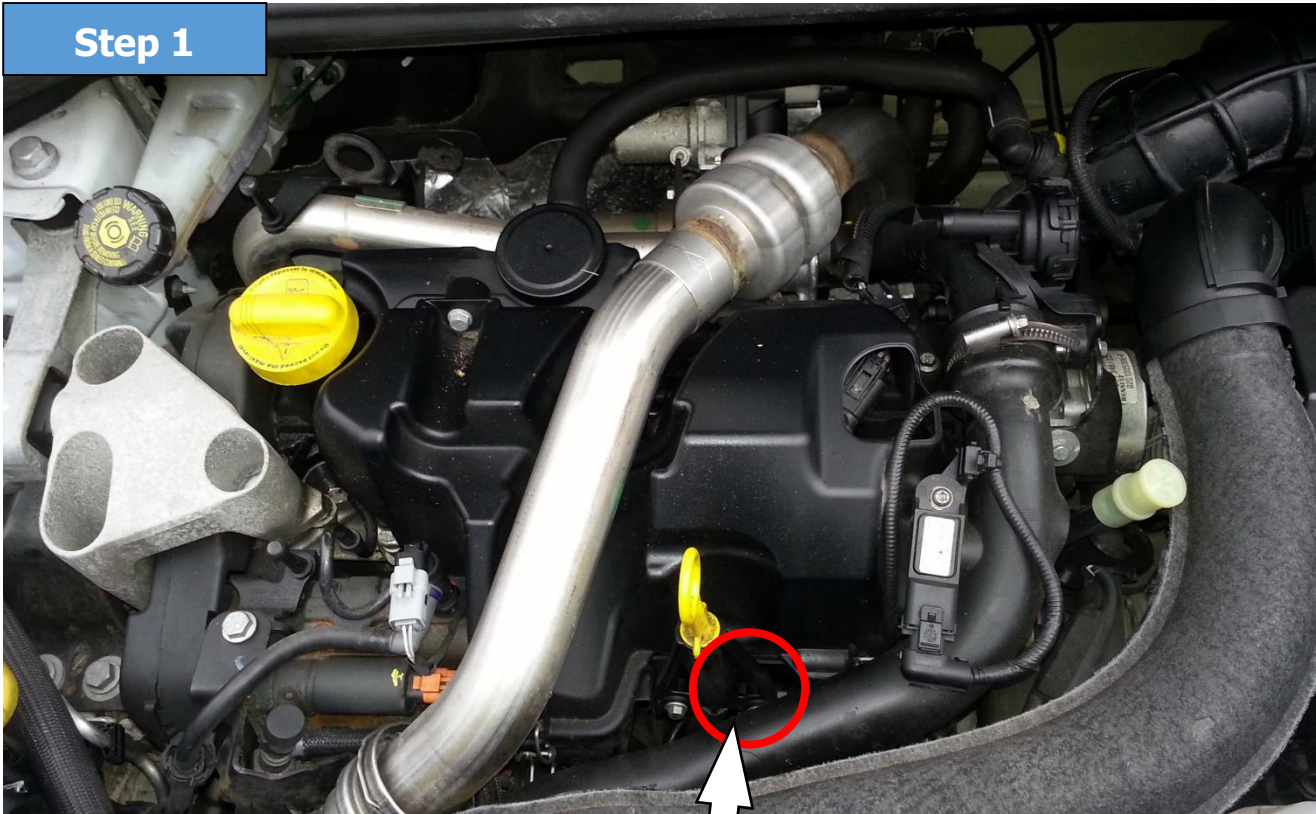
- Ensure that your engine looks similar to the supplied photographs (Please read the whole document as various configurations are covered, however if the engine looks nothing alike, please contact Support.)
- Familiarise yourself with the locations of the connectors highlighted.
- Make sure that you 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.

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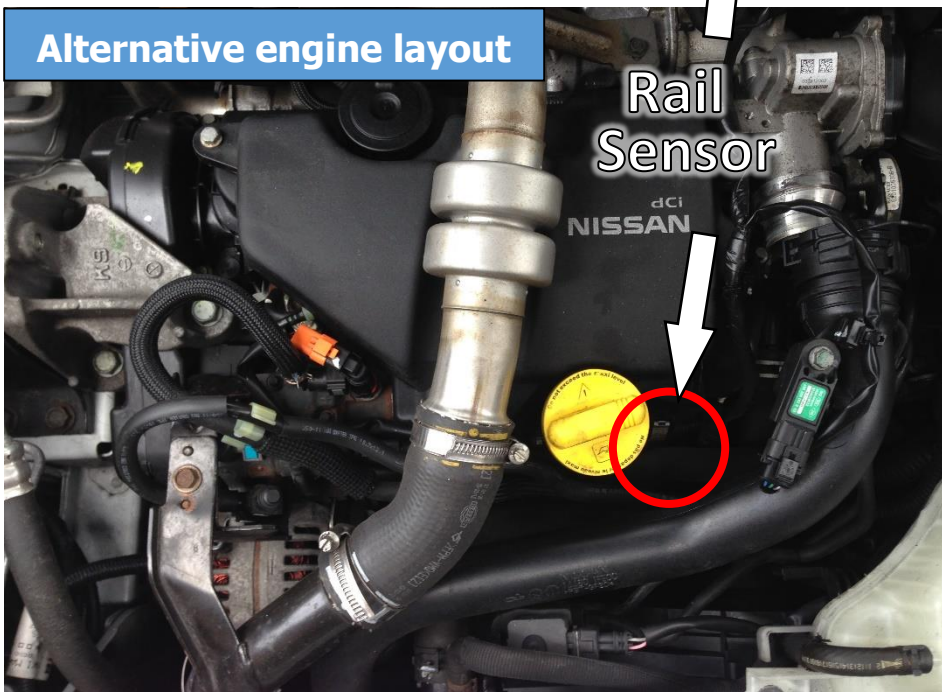
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Step 1



Alternative engine layout



Apart from some slight changes to ancillary components in the engine bay including the moving of the dip stick and oil filler cap the installation procedure does not differ.

- Remove the plastic engine cover. This usually pulls off with a firm tug. On certain models the cover is secured with bolts. If this is the case, remove the bolts and lift off the engine cover.
- You should be left with an engine that looks similar to the photos above.

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Step 2 v1 (2005-2012 vehicles)



- Your vehicle will be equipped with one of two possible Common Rail systems. The first type is straight. It is shown on the pictures at this page.
- Unplug the Rail 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 onto the Rail Sensor.
- Insert the Vehicle's Rail Sensor connector into the corresponding connector on the Tuning Module's wiring loom.

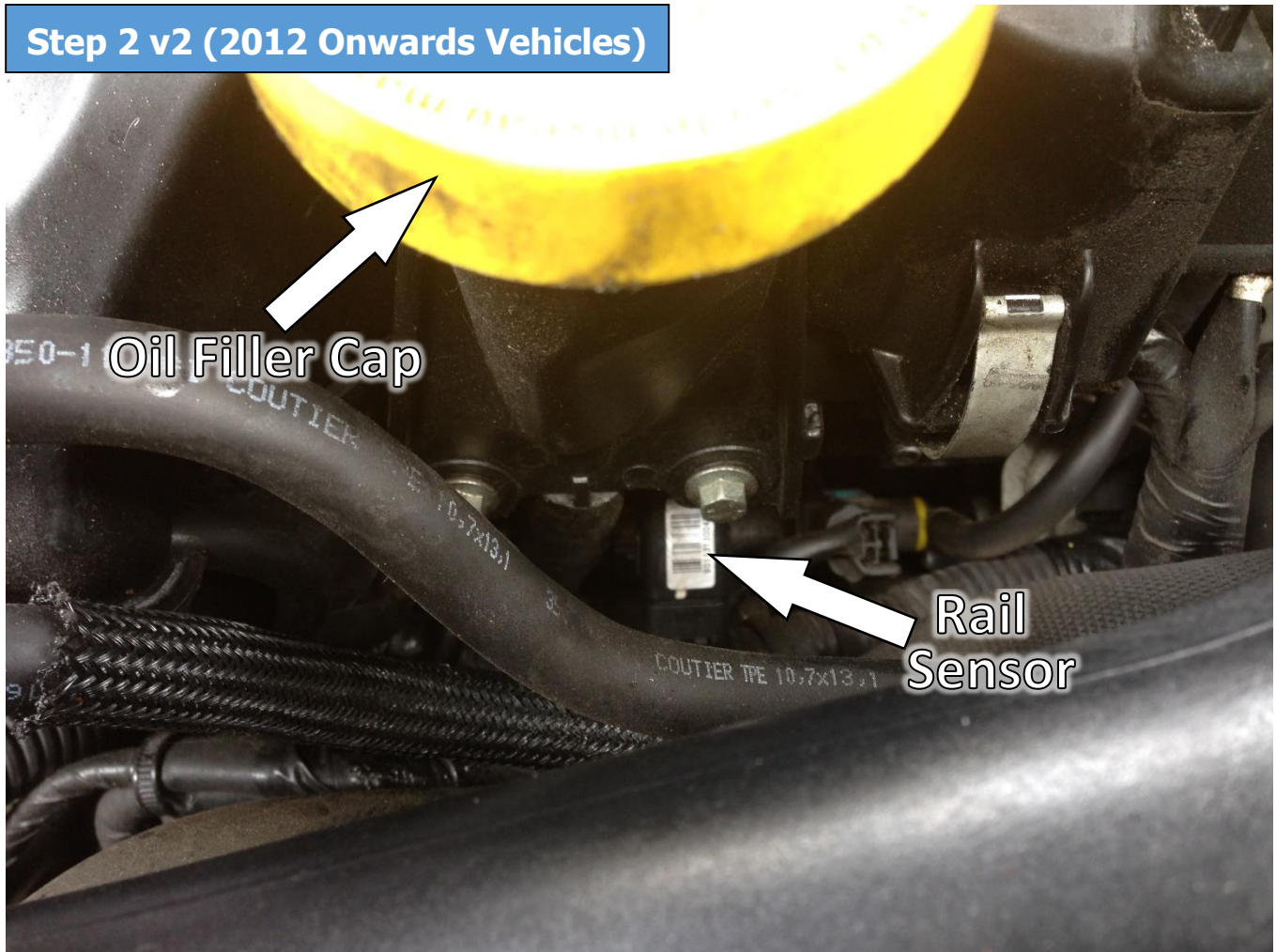


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Step 2 v2 (2012 Onwards Vehicles)



- Unplug the Rail 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 onto the Rail Sensor.
- Insert the Vehicle's Rail Sensor connector into the corresponding connector on the Tuning Module's wiring loom.

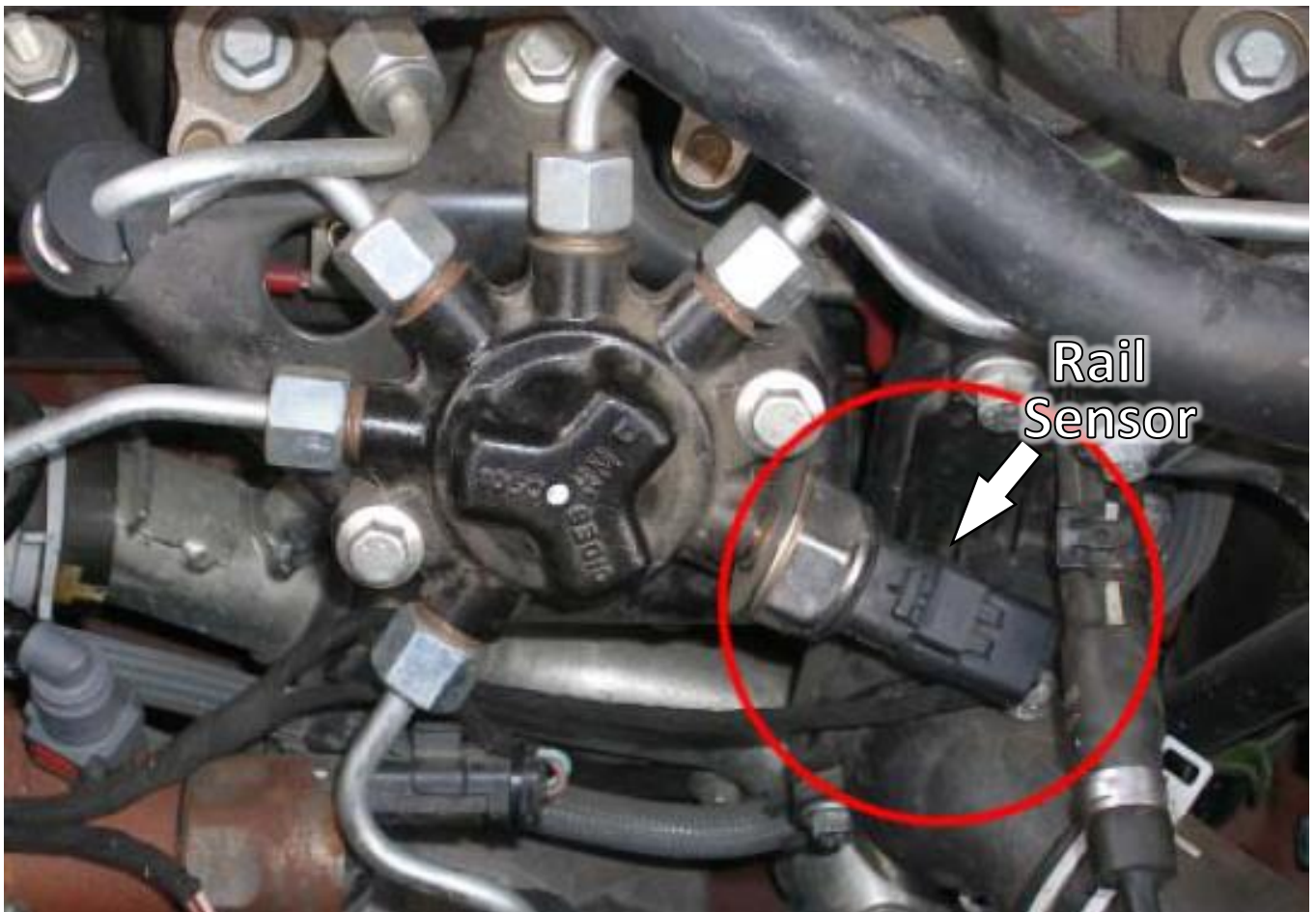
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Step 2 v3 (pre 2005 vehicles)

- Alternatively your vehicle may be equipped with a common rail with a radial shape. If that is the case, you will find it at the position shown on the picture below.
- Unplug the Rail 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 onto the Rail Sensor.
- Insert the Vehicle's Rail Sensor connector into the corresponding connector on the Tuning Module's wiring loom.



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Step 3

- 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.



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.