

# Installation instructions

BMW 18d

Rail pressure—boost pressure—camshaft



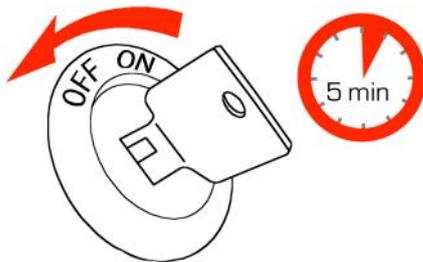
The product described in the guidance was developed, manufactured and controlled considering the necessary safety requirements.

The product must be installed properly to ensure a proper function and avoid danger for persons and things.

Please read this installation guide inclusive safety instructions carefully.

## Lieferumfang:

Quantity	article
1x	Tuningbox
1x	loom
1x	Bridge plug
1x	Fastening kit



1. Open the hood.
2. Turn the ignition off!
3. Remove the ignition key!
4. Close and lock all doors!
5. Do not open any doors while installing the tuning kit!
6. Wait 5 minutes before beginning the installation



In order to avoid damages at electronic vehicle components, you have to be sure that you have done all necessary methods for **electrostatic discharge**.

Install the electronic in an **waterproof** and **vibrationless** place. Do not make any changes at the tuning-kit!

Do not expand or shorten the loom.

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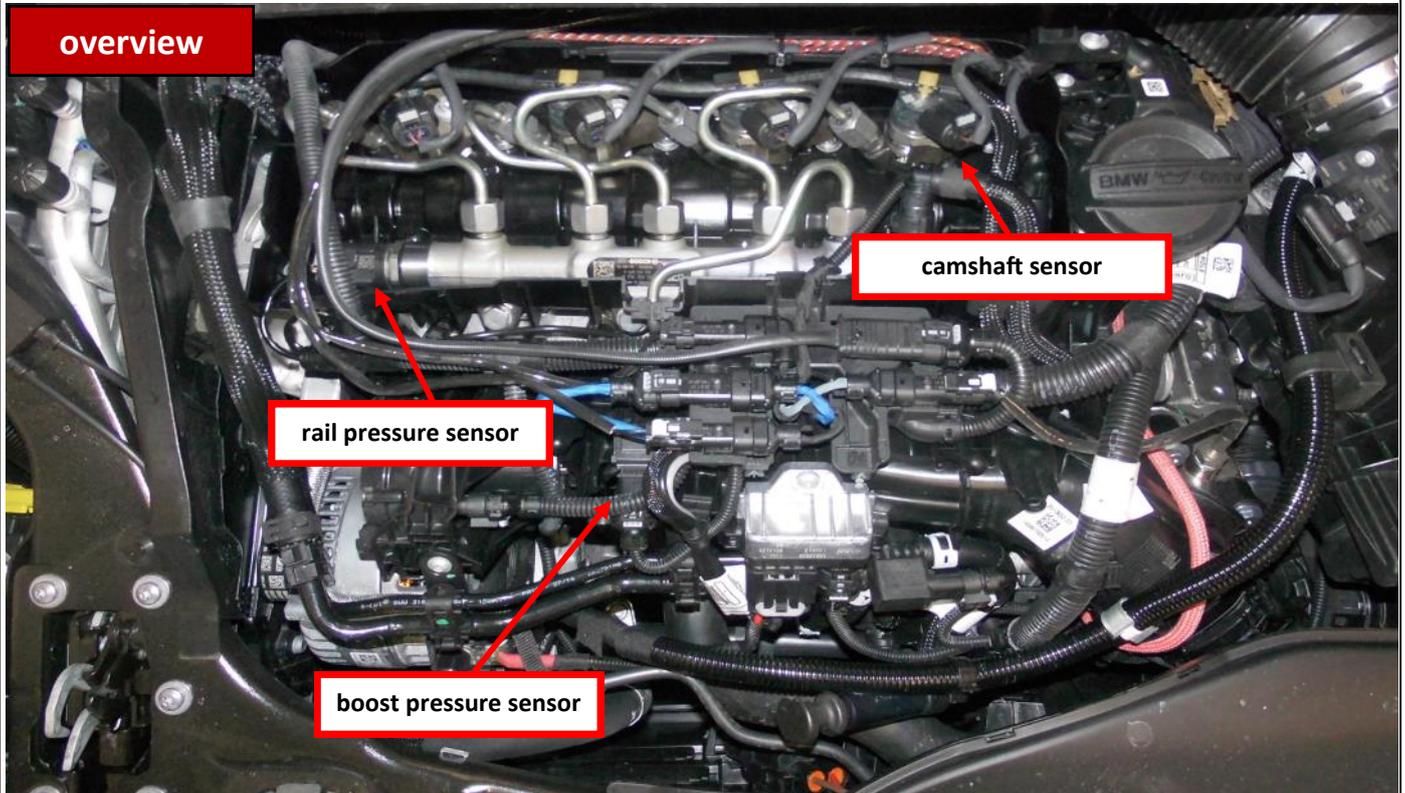
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## overview



### overview:

#### The chiptuning box is attached to the following points:

- camshaft position sensor
- rail pressure sensor
- boost pressure sensor

#### Necessary tools:

- Cutters
- 25 torx

#### Preparation:

- Move the individual strands of the cable loom to the associated plug connectors
- Put the necessary tool for the side (if needs)
- Put the mounting material to the side

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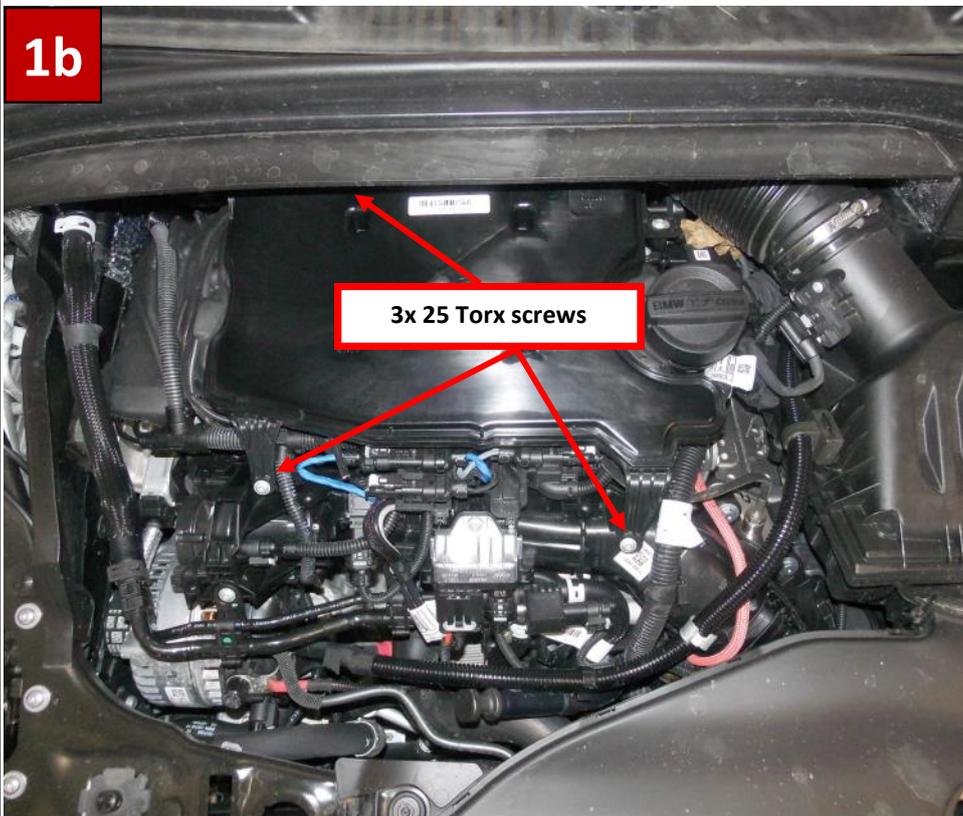
1a



## 1. preparation

- ◇ First you must remove the engine cover.
- ◇ The engine cover is only attached with clips.
- ◇ Pull the engine cover off.

1b



- ◇ Next you need to remove the black cover,
- ◇ The cover is secured with 3 of 25 Torx screws.
- ◇ Unscrew the screws and pull the cover off.

# Installation instructions

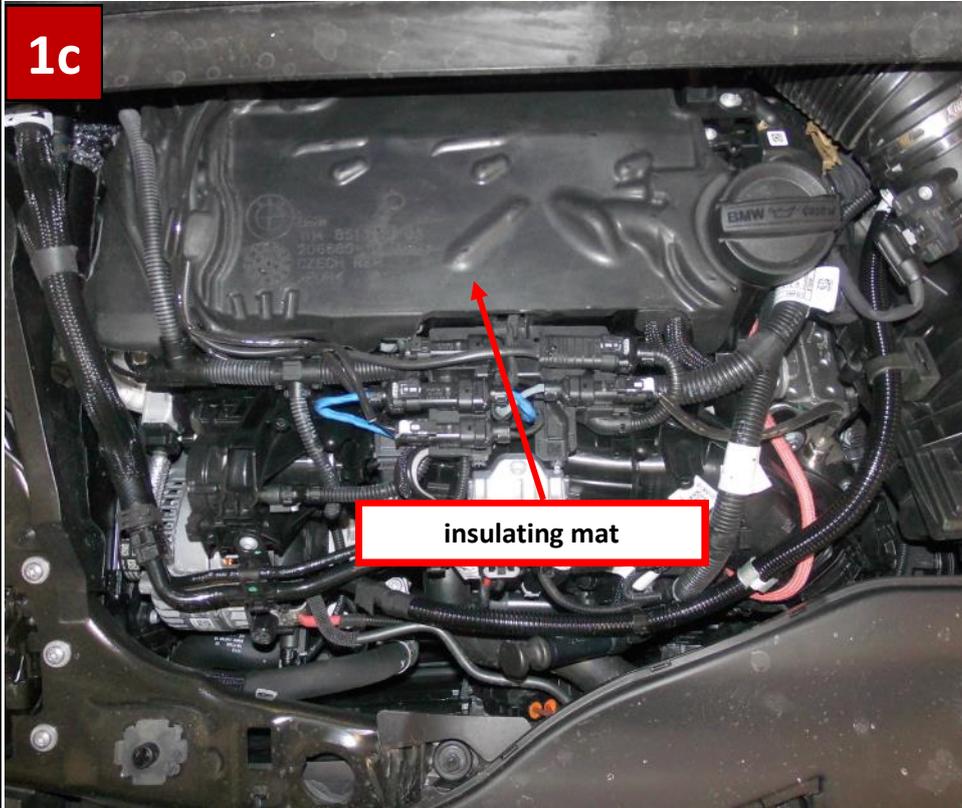
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1c



- ◇ Finally, you must remove the insulating mat
- ◇ The insulation mat is simply placed.
- ◇ Pull the insulation mat off carefully

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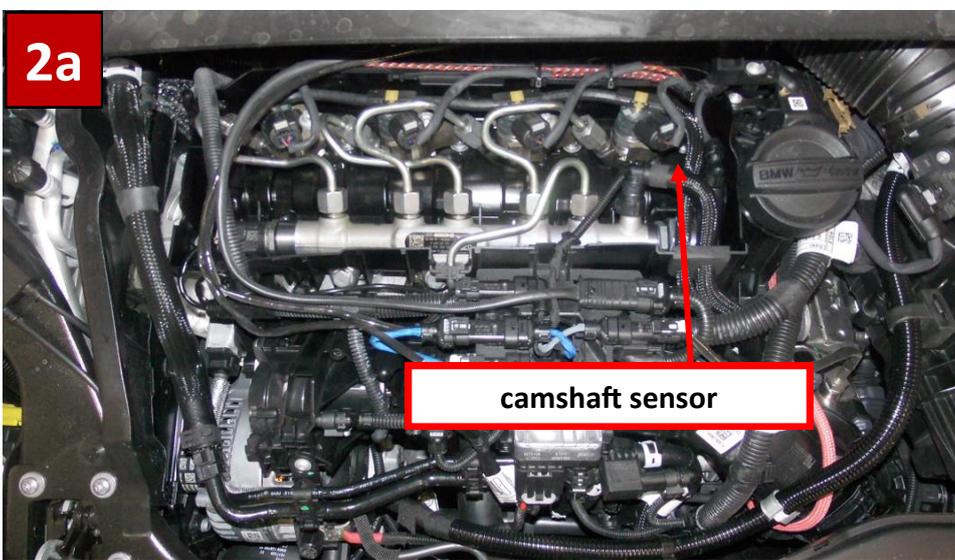
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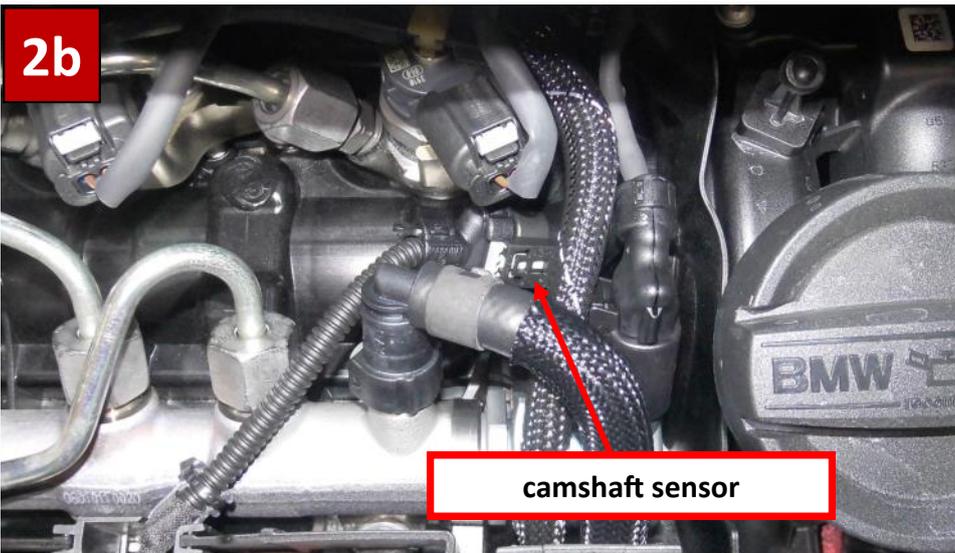
2a



## 2. camshaft sensor

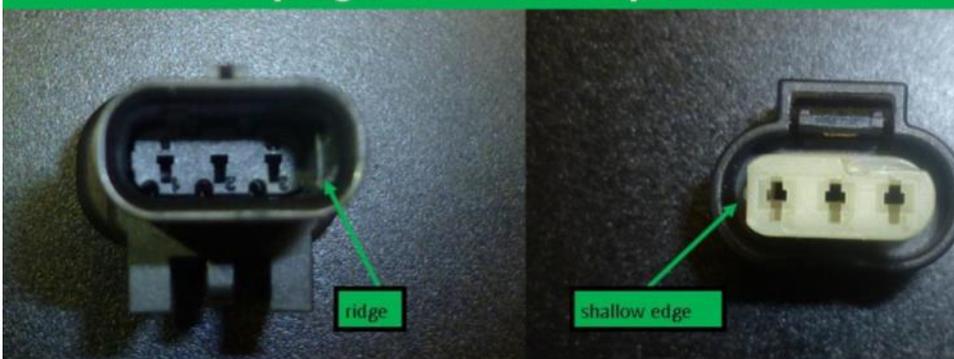
◇ The camshaft sensor are as marked on the top of the engine under the insulation mat.

2b



- ◇ Disconnect the plug from the camshaft sensor.
- ◇ Plug the provided cable loom between the now separated connectors.
- ◇ Connect the plug of the new loom to the camshaft sensor.

plug in the correct position



- ◇ The plug must be as show on the picture will be with the shallow edge on the side of the ridge.
- ◇ With some higher force, it is possible to push the plug with the round side on the ridge!!!



# Installation instructions

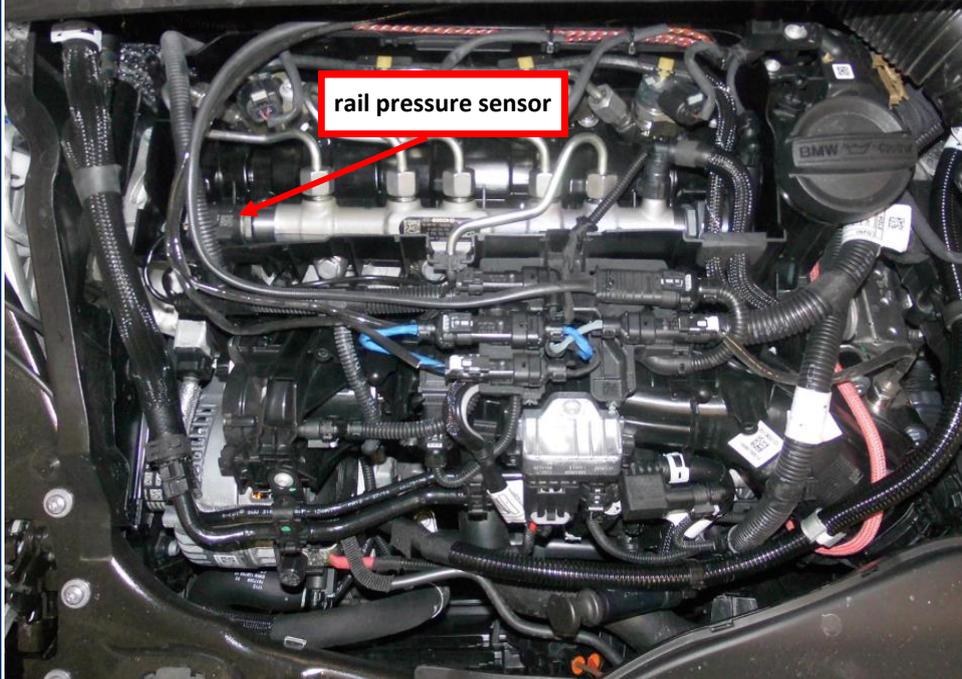
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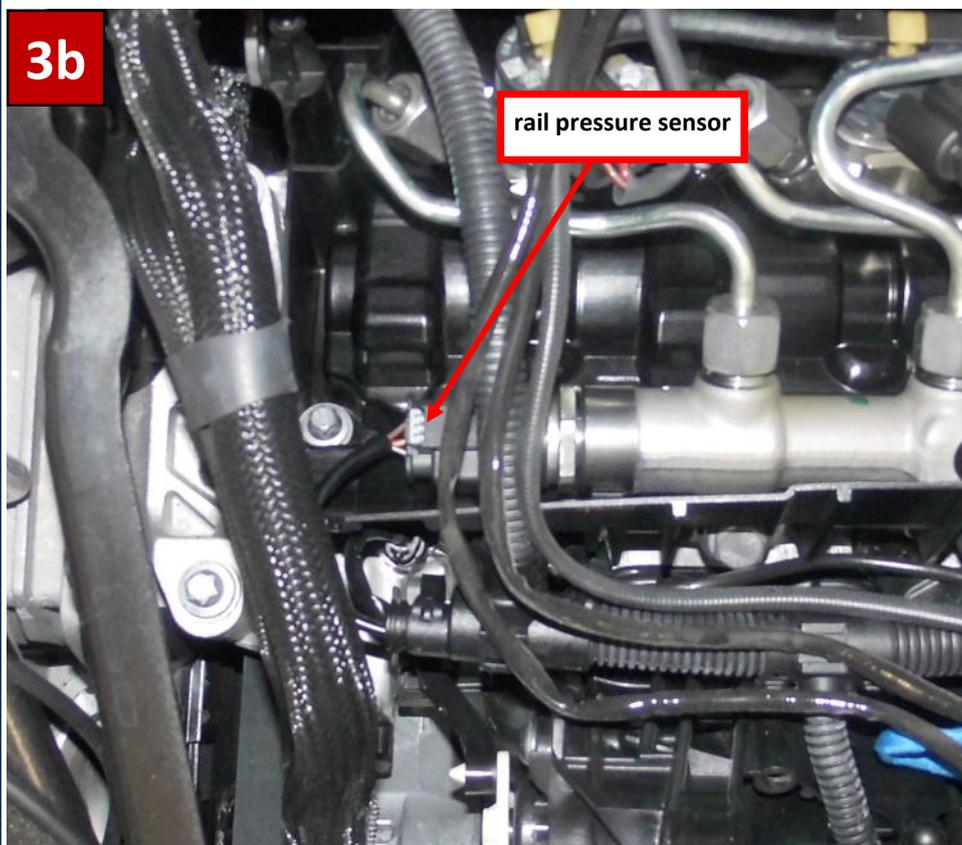
3a



### 3. rail pressure sensor

◇ The rail pressure sensor is located on the top of the motor on the common rail tube.

3b



- ◇ Disconnect the plug from the rail pressure sensor.
- ◇ Plug the provided cable loom between the now separated connectors.
- ◇ Connect the plug of the new loom to the rail pressure sensor.

# Installation instructions

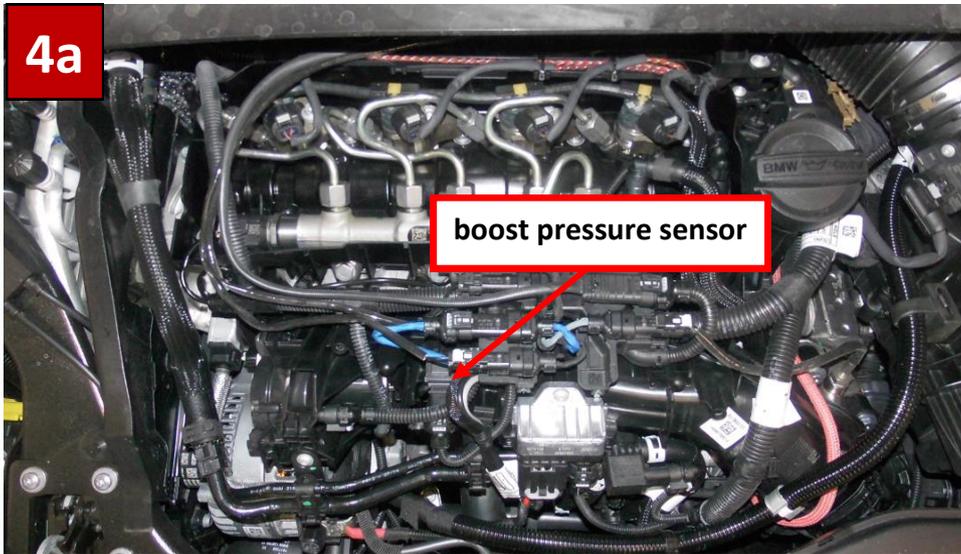
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4a



## 4. boost pressure sensor

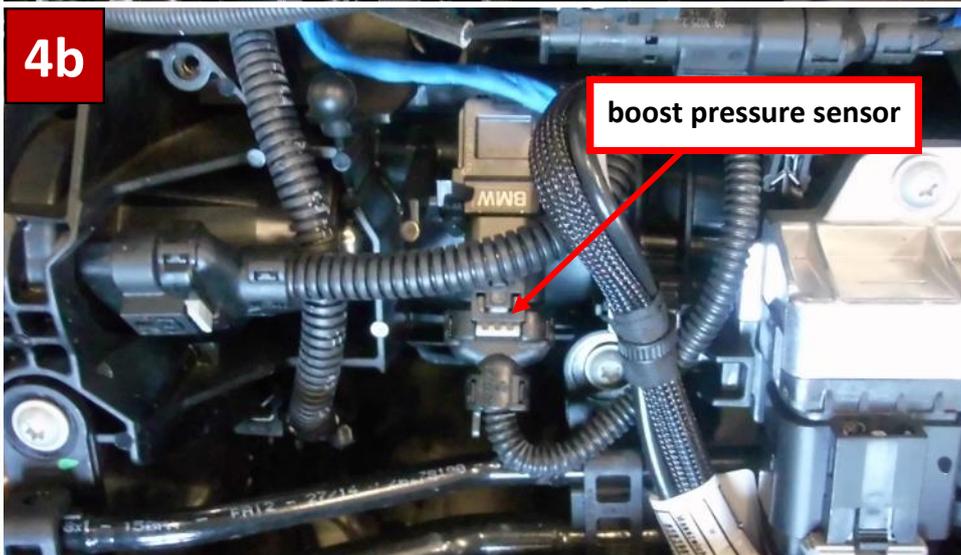
◇ The boost pressure sensor is located such as on the top of the engine.

◇ Disconnect the plug from the boost pressure sensor.

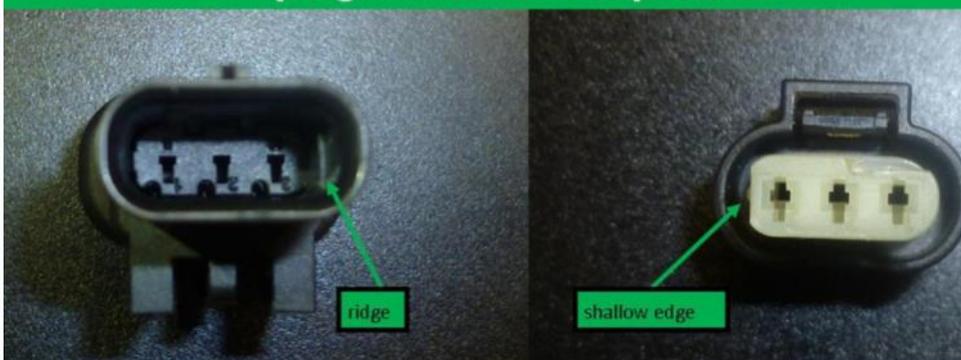
◇ Plug the provided cable loom between the now separated connectors.

◇ Connect the plug of the new loom to the boost pressure sensor

4b



plug in the correct position



◇ The plug must be as show on the picture will be with the shallow edge on the side of the ridge.

◇ With some higher force, it is possible to push the plug with the round side on the ridge!!!



# Installation instructions

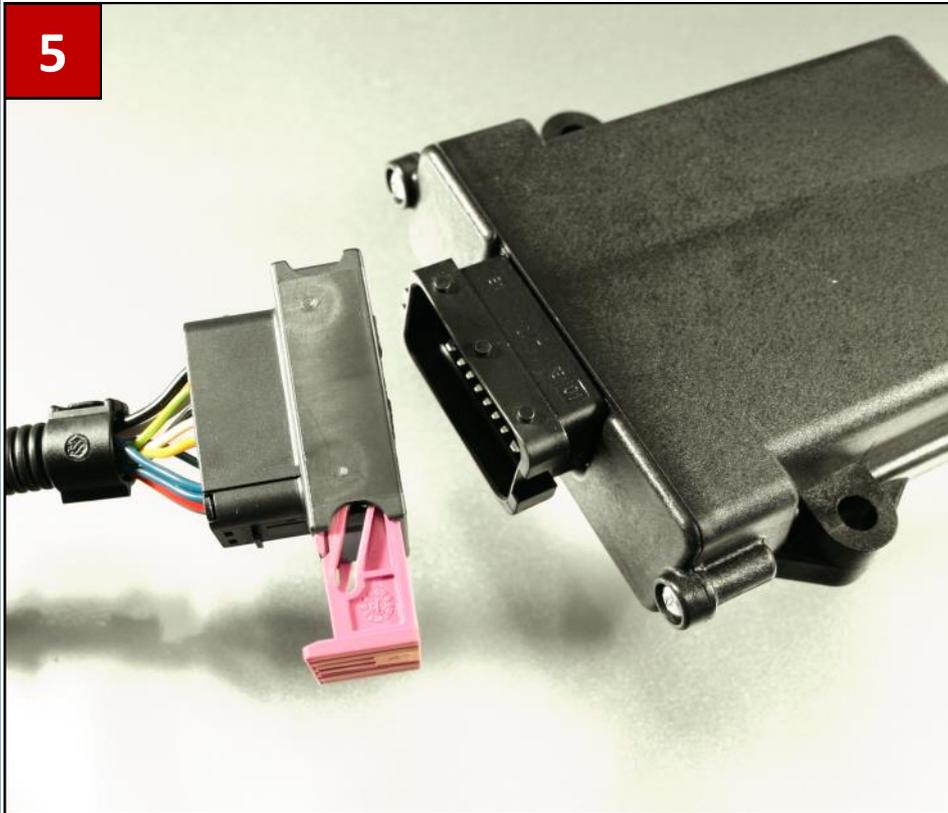
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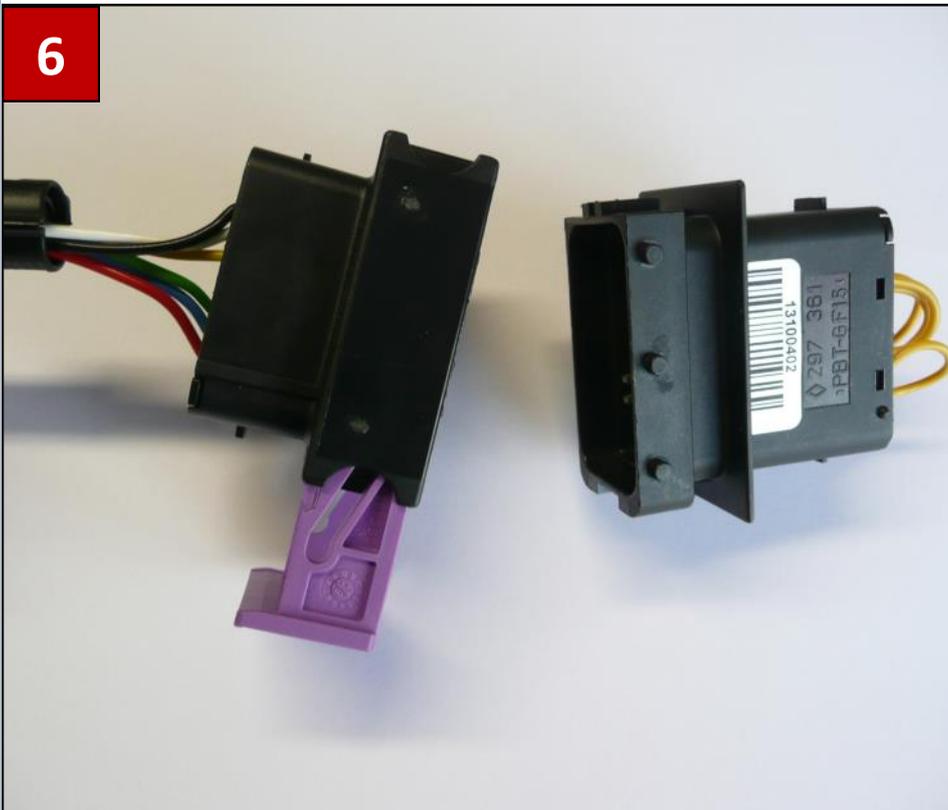
5



## 5. tuningbox

- ◇ Finally install the cable towards a suitable position
- ◇ The plugs must be engage, so that a safe connection is ensured
- ◇ Fix the cable with cable ties
- ◇ Connect the tuningbox to the new loom

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## 6. jumper plug

- ◇ By using the jumper the vehicle is put in the original condition.
- ◇ As soon as you connect the cable loom with the jumper plug the car is in original condition.