

# Installation instructions

**BMW  
M50d**



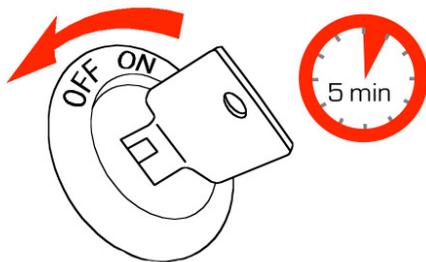
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The product described in the guidance was developed, manufactured and controlled considering the necessary safety requirements. The product must be appropriately inserted around dangers for persons and things to exclude and a perfect and safe function mode to ensure. Here to have it the fitting instruction including the safety references carefully to read.

Control before the installation of the Chiptuning box the completeness of the parts belonging to the scope of supply.

## included:

quantity	designation
1x	Chiptuning Box
1x	Cable Set
1x	Bridge-Plug 24pole
1x	Cable straps



1. Please open the engine hood.
2. Before installation turn off the ignition!
3. Take the ignition key off!
4. Lock all your vehicle doors!
5. Don't open the vehicle doors during installation!
6. Then wait at least 5 minutes before installation



To avoid damage to vehicle electronic components, please make sure before installing the electronics that you take appropriate action to electrostatic discharge. Obstruct the electronics absolutely waterproof and shock resistant. Do not modify the tuning kit before (as lengthening or shortening of the harness, etc.).

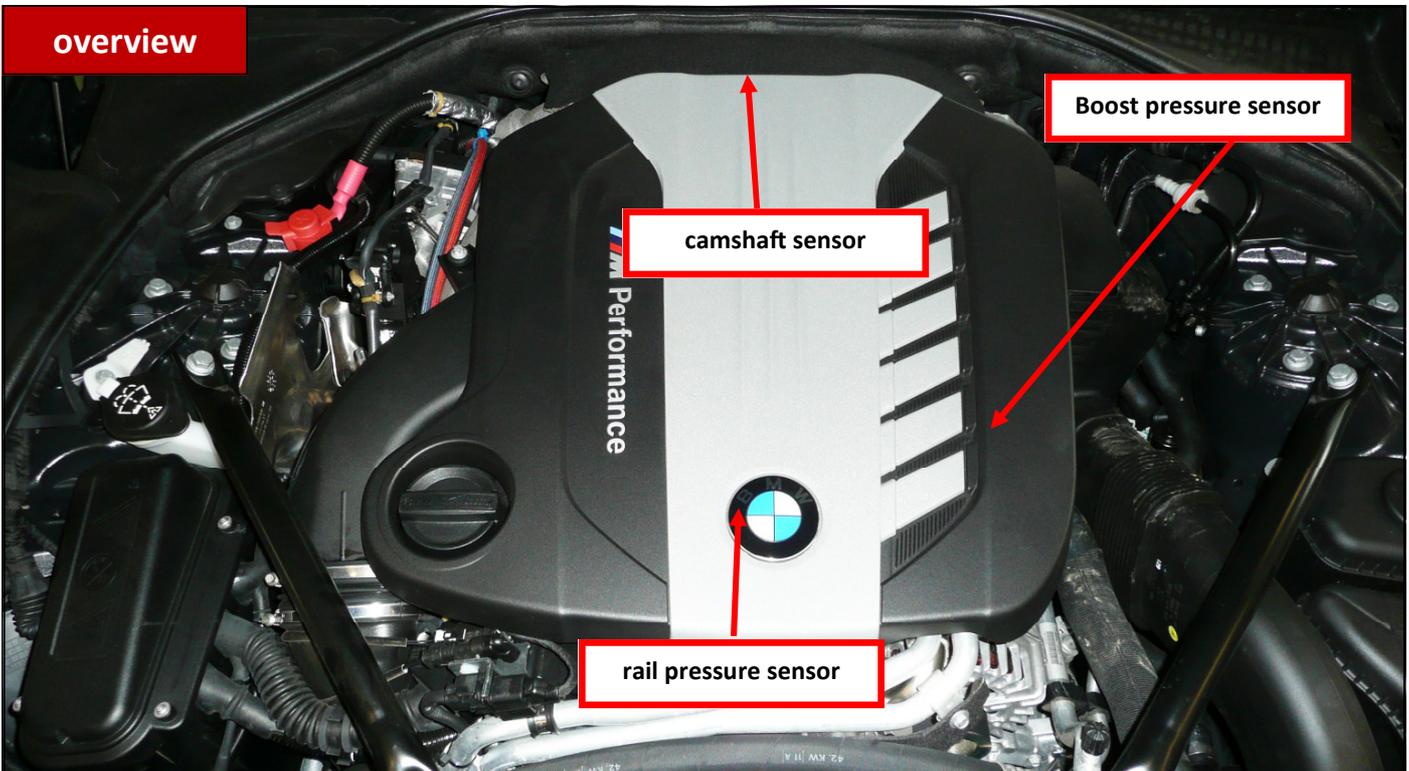
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## overview



### Overview:

The Chiptuning box is attached to the following points:

- Boost pressure sensor
- Rail pressuer sensor
- Camshaft sensor

### Benötigtes Werkzeug:

- Torx-, 16.- and 17. wrench, small screwdriver

### 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

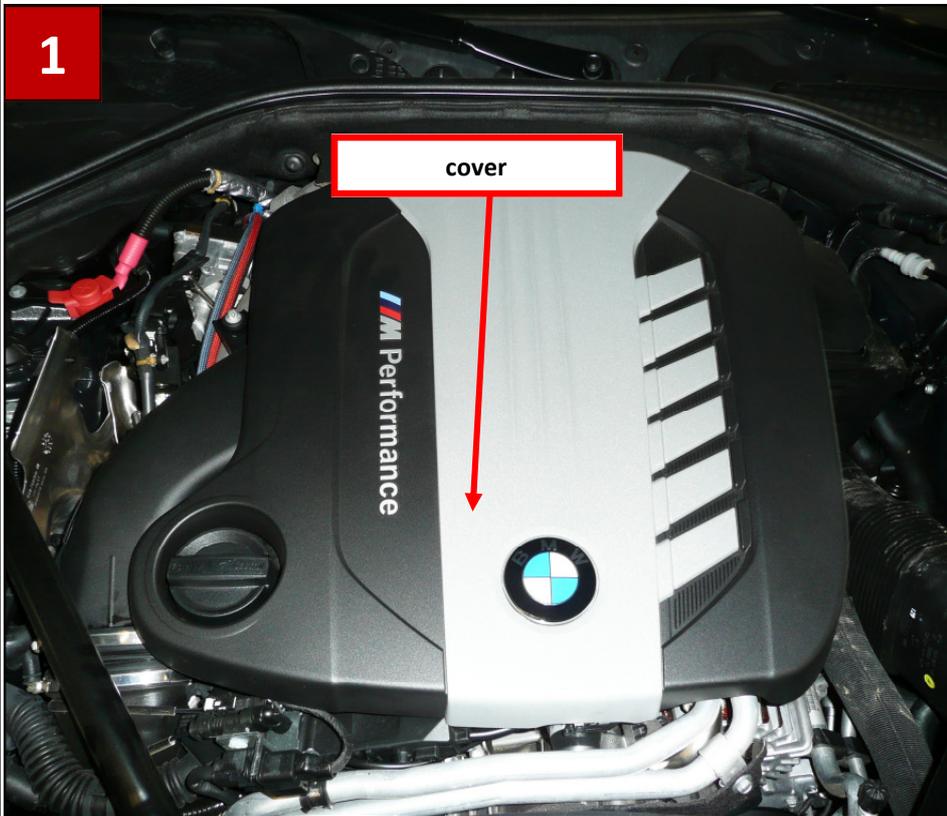
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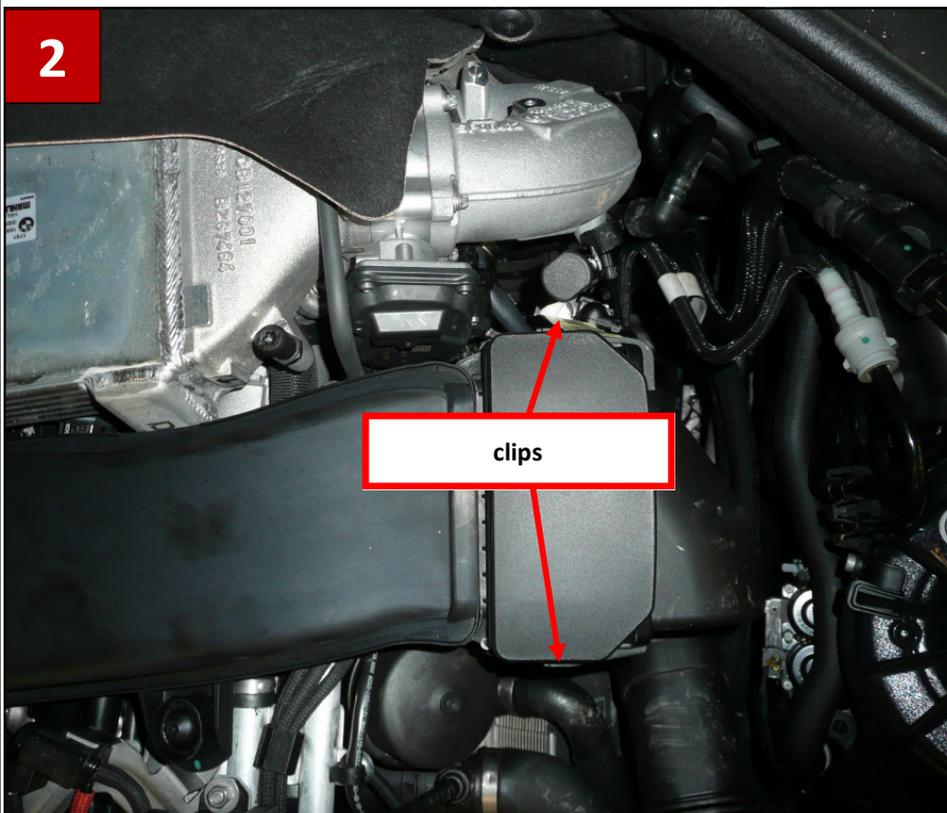
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## 1. preparation

◇ Before you can begin the installation, you must remove the engine cover.

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◇ Next, the air supply must be removed, including the air filter box

◇ First, solve the two clips on the air filter box

◇ Then remove the air filter fout of the open box

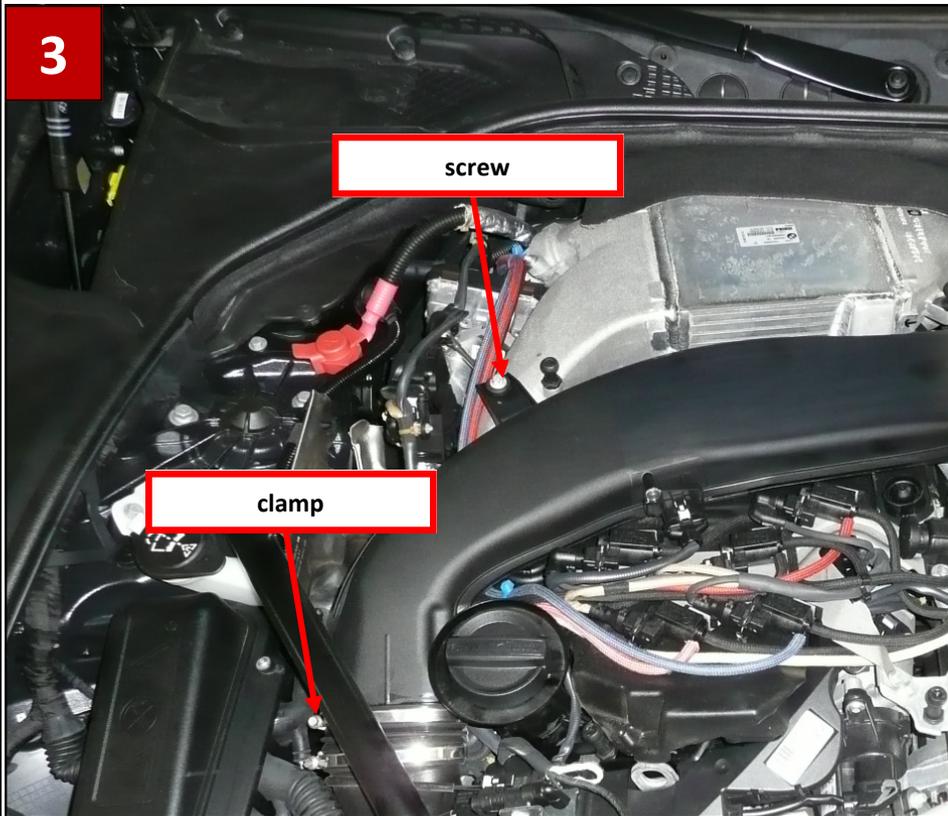
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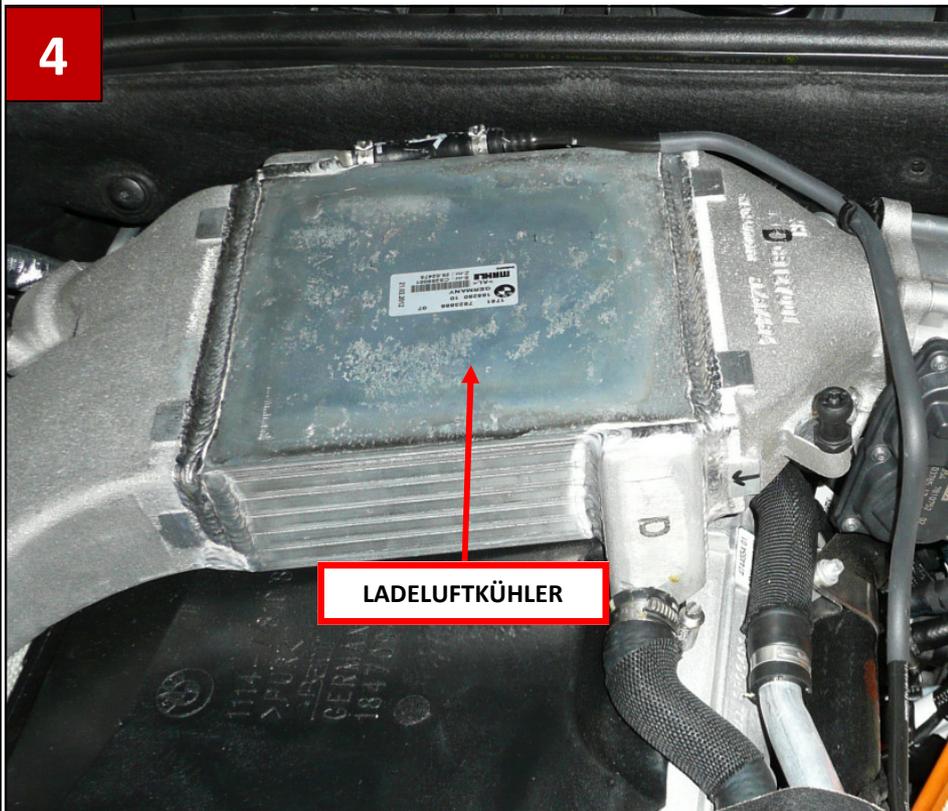
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- ◇ To remove the air flow you have to release a screw and a clamp
- ◇ Then carefully remove the air supply and the air filter box

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- ◇ Finally, the water-air inter-cooler has to be resolved

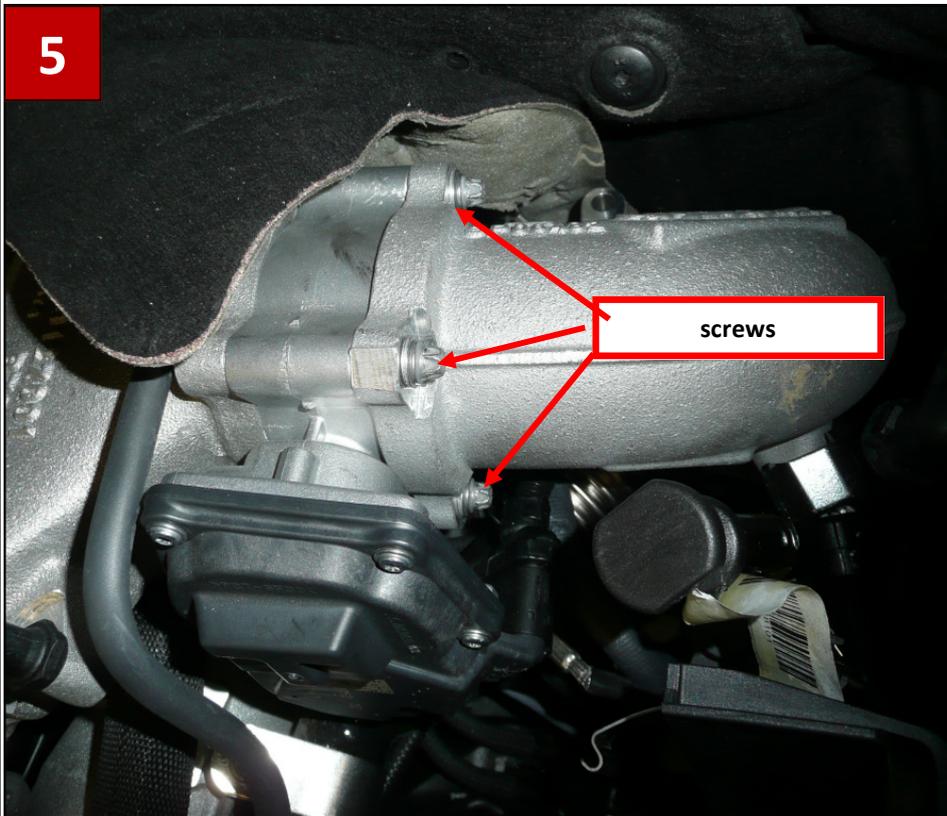
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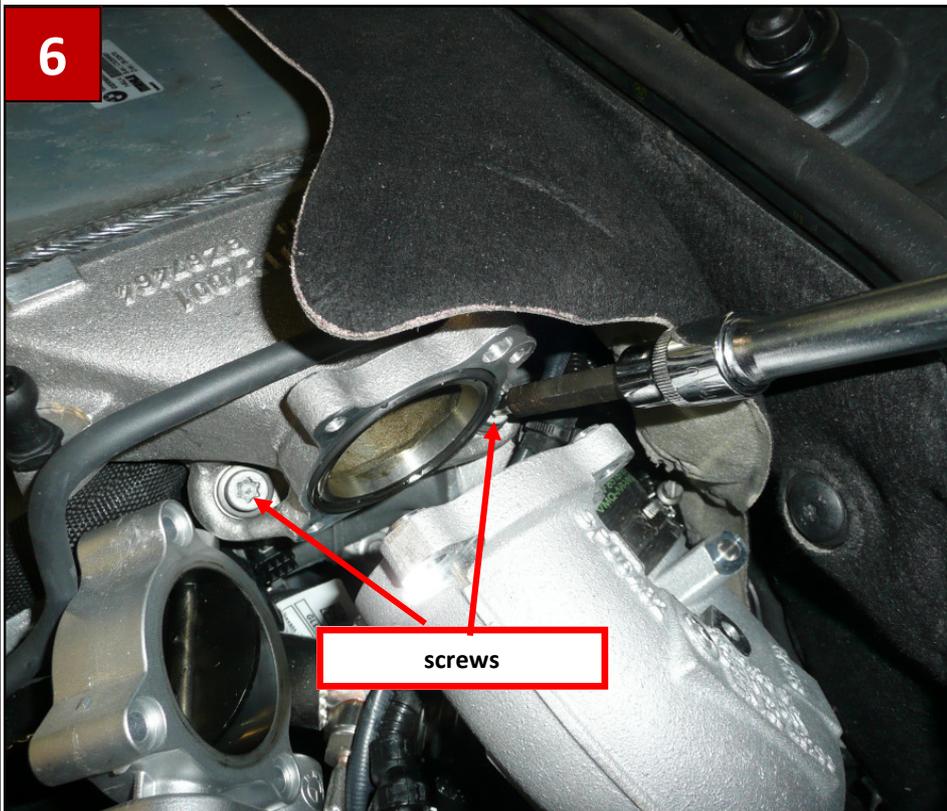


◇ To move the air intercooler you need to solve the throttle from it

◇ To do this, loosen the three screws

note: The sleeves where the screws are insert are loose. Achten Sie darauf das diese nicht raus fallen. Make sure that they does not fall out.

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◇ Then you have to loosen the two screws of the air intercooler

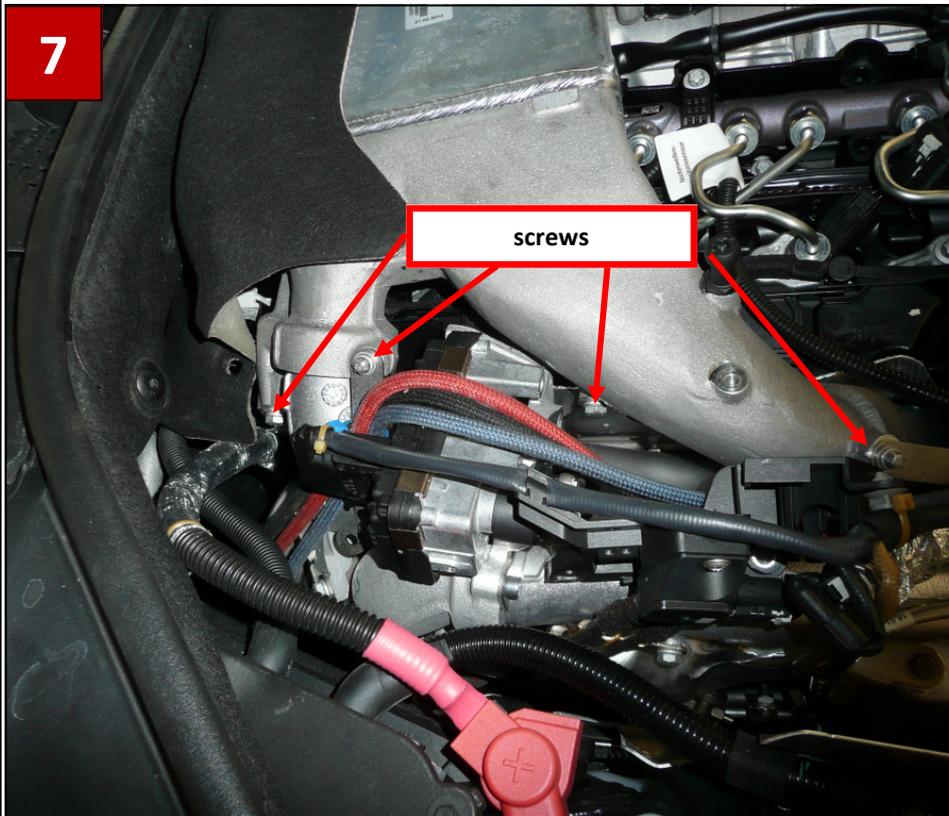
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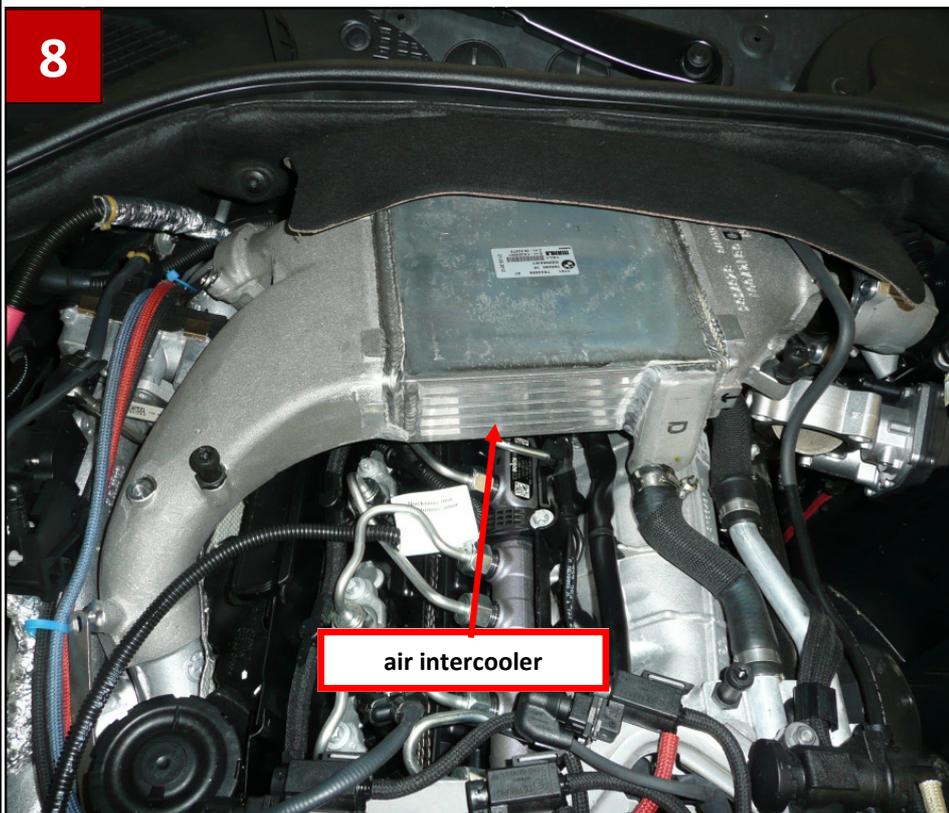
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◇ Finally, you still have to solve 4 screws on the other side of the air intercooler

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◇ Then you can lift the air intercooler slightly

NOTE: When reassembling, set the left side only. Next, attach the throttle valve with a screw

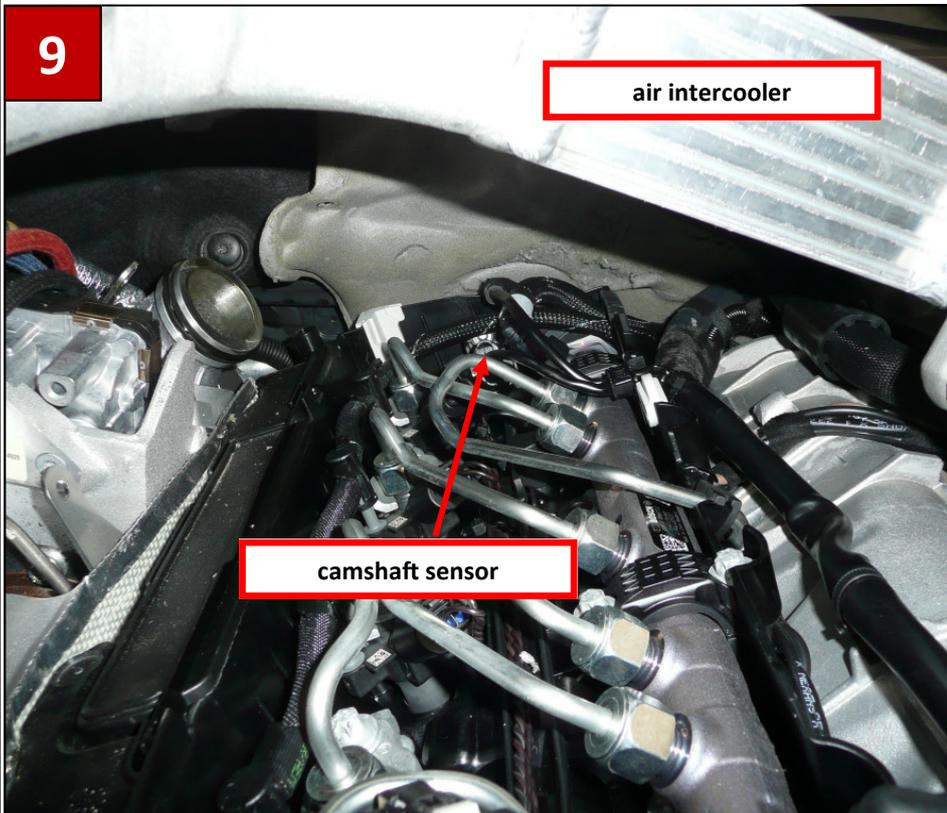
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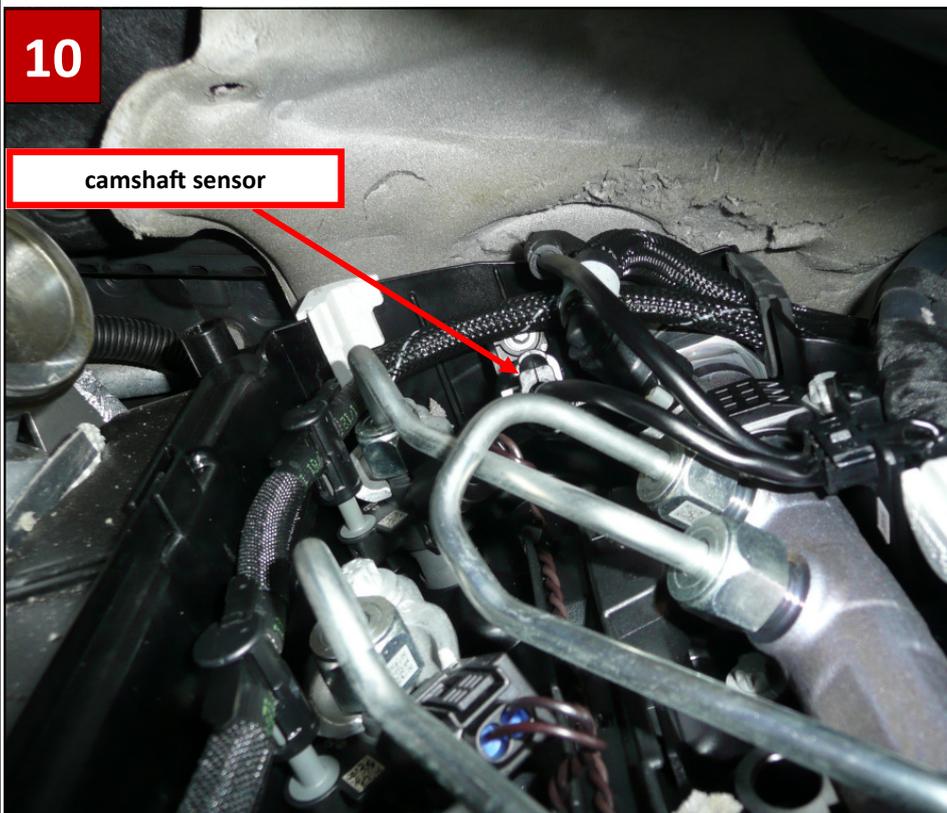
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## 2. camshaft sensor

◇ The camshaft sensor is located at the rear of the engine below the water cooler

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◇ Disconnect the plug from the camshaft sensor.

◇ Attach the camshaft sensor plug to the new loom

◇ Connect the plug of the new loom the camshaft sensor

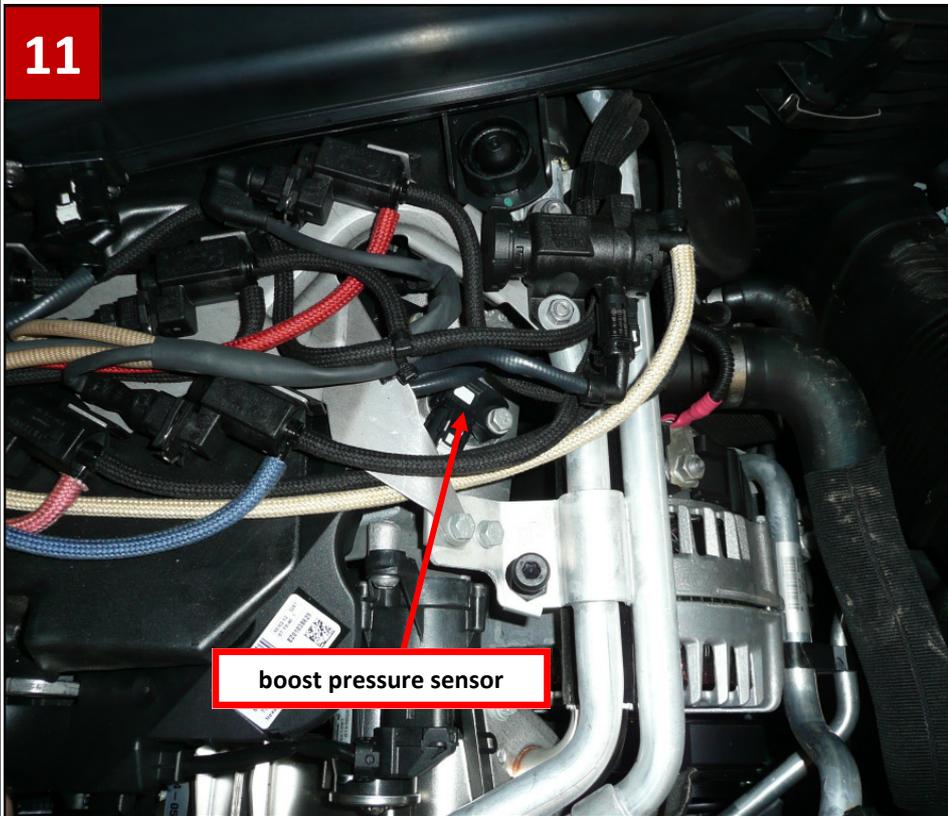
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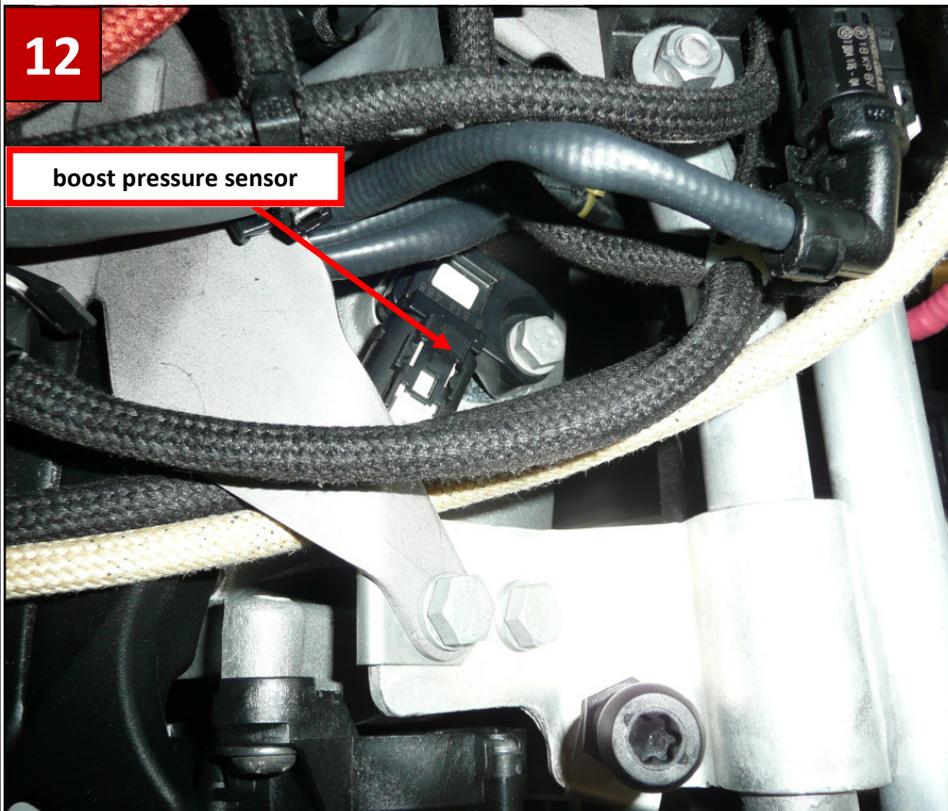


boost pressure sensor

### 3. boost pressure sensor

◇ The boost pressure sensor is located adjacent to the alternator (driver's side)

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boost pressure sensor

◇ Disconnect the plug from the boost pressure sensor.

◇ Attach the boost pressure sensor plug to the new loom

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

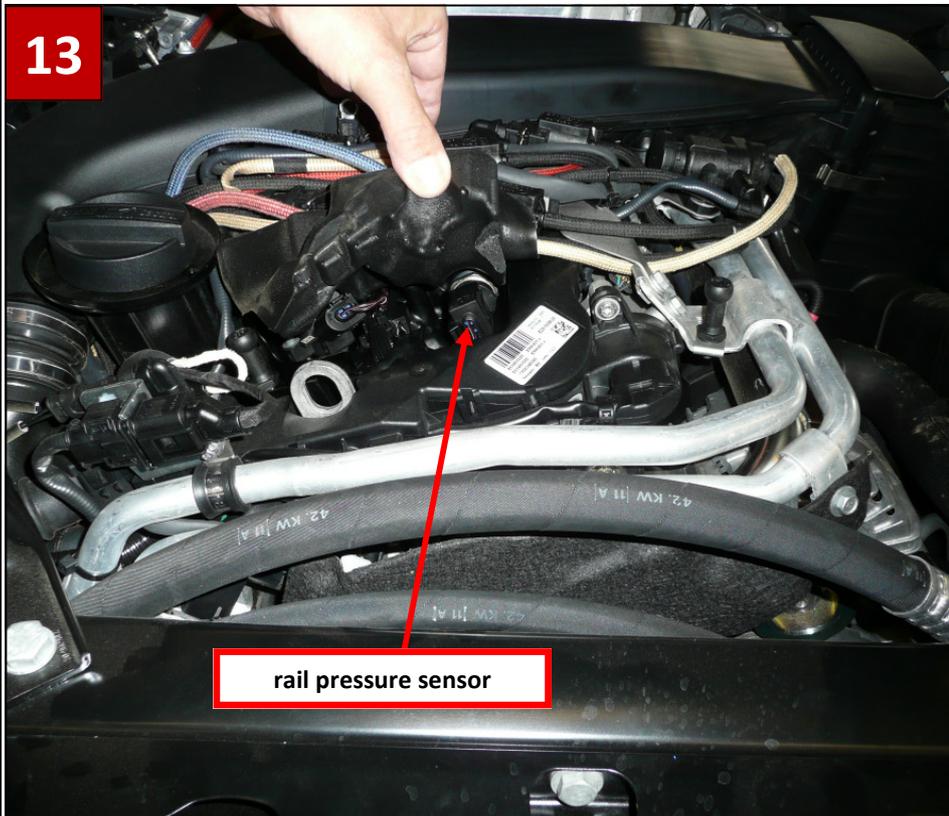
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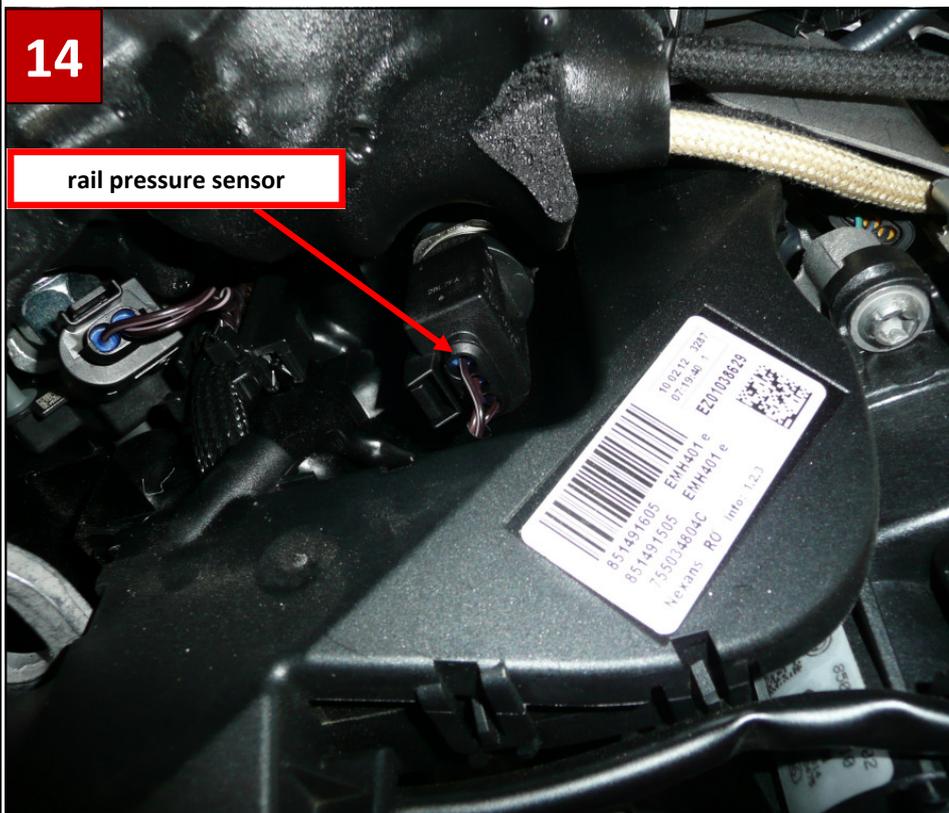


rail pressure sensor

#### 4. rail pressure sensor

◇ The rail pressure sensor is located in the center of the engine, right on common rail pipe

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rail pressure sensor

◇ Disconnect the plug from the rail pressure sensor.

◇ Attach the rail pressure sensor plug to the new loom

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

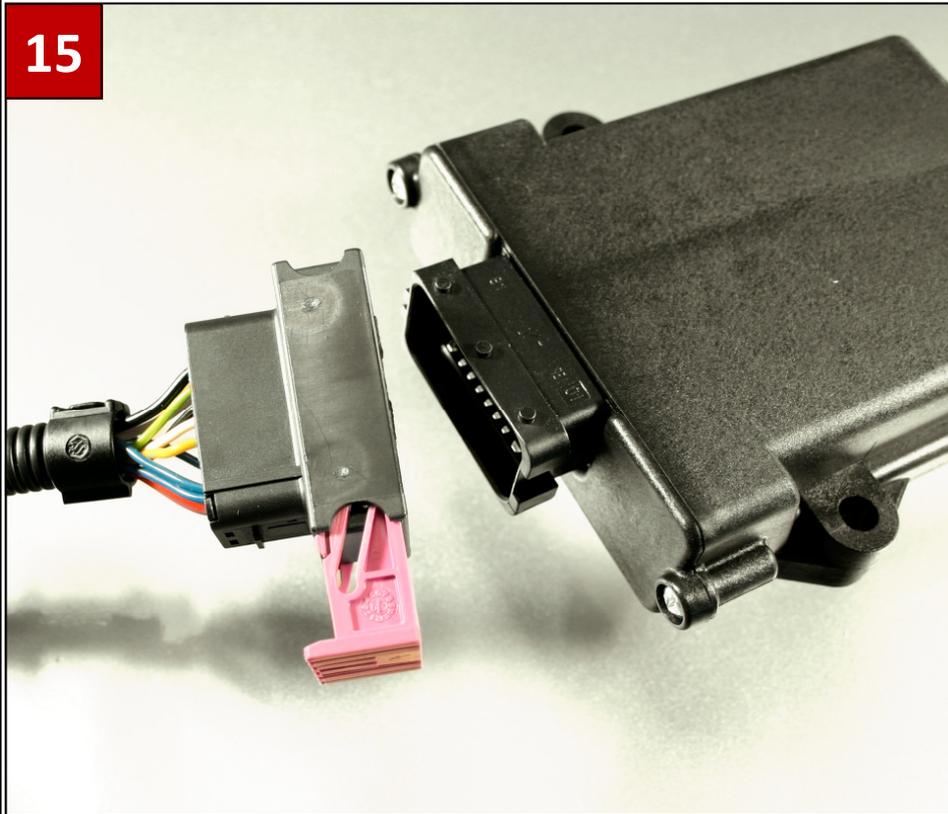
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## 5. Tuningbox

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