

INSTALLATIONGUIDE

BMW 2.0 TwinScroll Gasoline



14109962

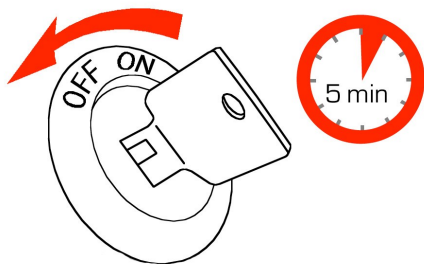
The product described in the guidance was developed, manufactured and controlled considering the necessary safety requirements.

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

Please read this installationguide inclusive safety instructions carefully.

Scope of supply:

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



1. Open the hood.
2. Turn the ignition off!
3. Remove the ignitionkey!
4. Close and lock all doors!
5. Do not open any doors while installing the tuningkit!
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.

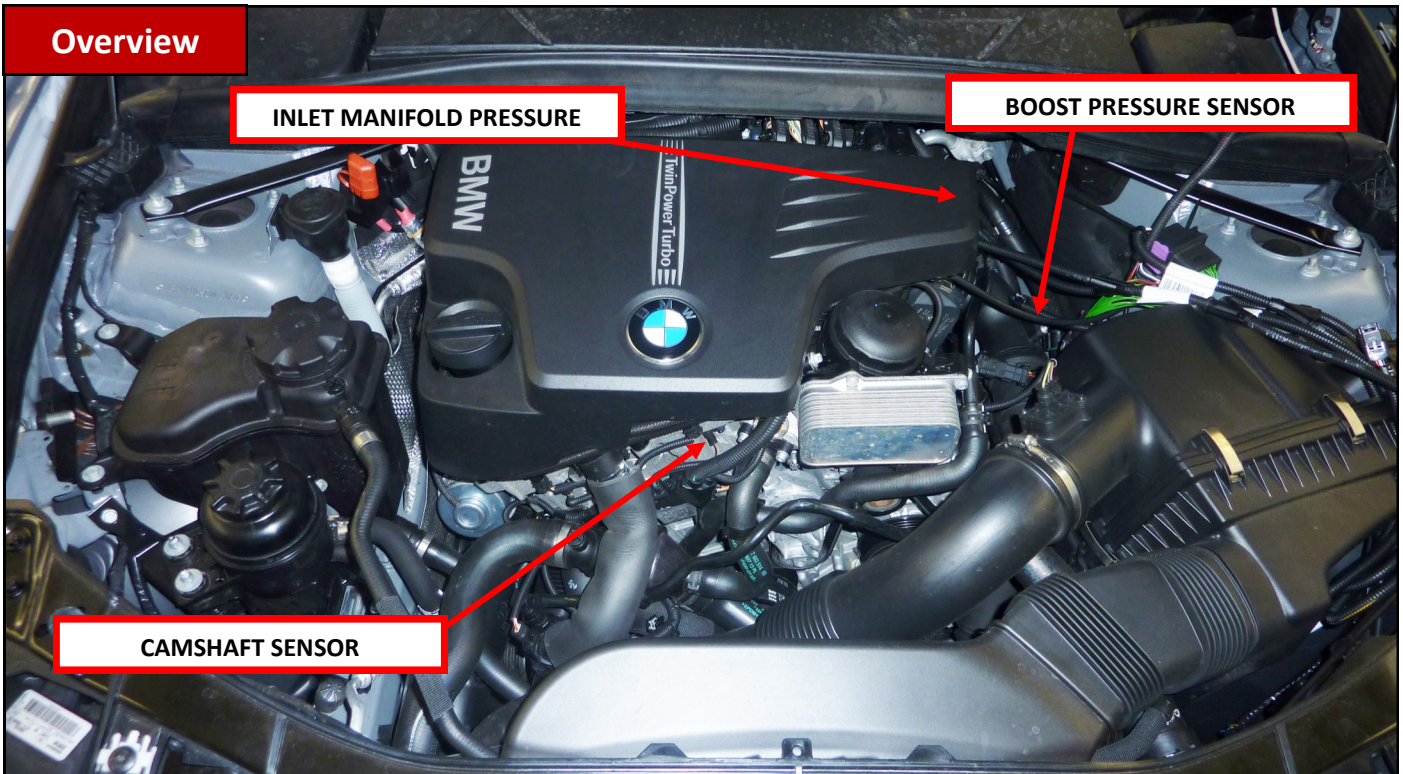
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Overview



Overview:

The tuningkit has to be attached to the following points:

- **Boost pressure sensor**
- **Manifold air pressure**
- **Camshaft sensor**

Required tools:

- **none**

Vorbereitung:

- Move the individual strands of the loom to the associated plug connectors
- Put the required tools by your side (if needed)
- Take the fastening material at your side

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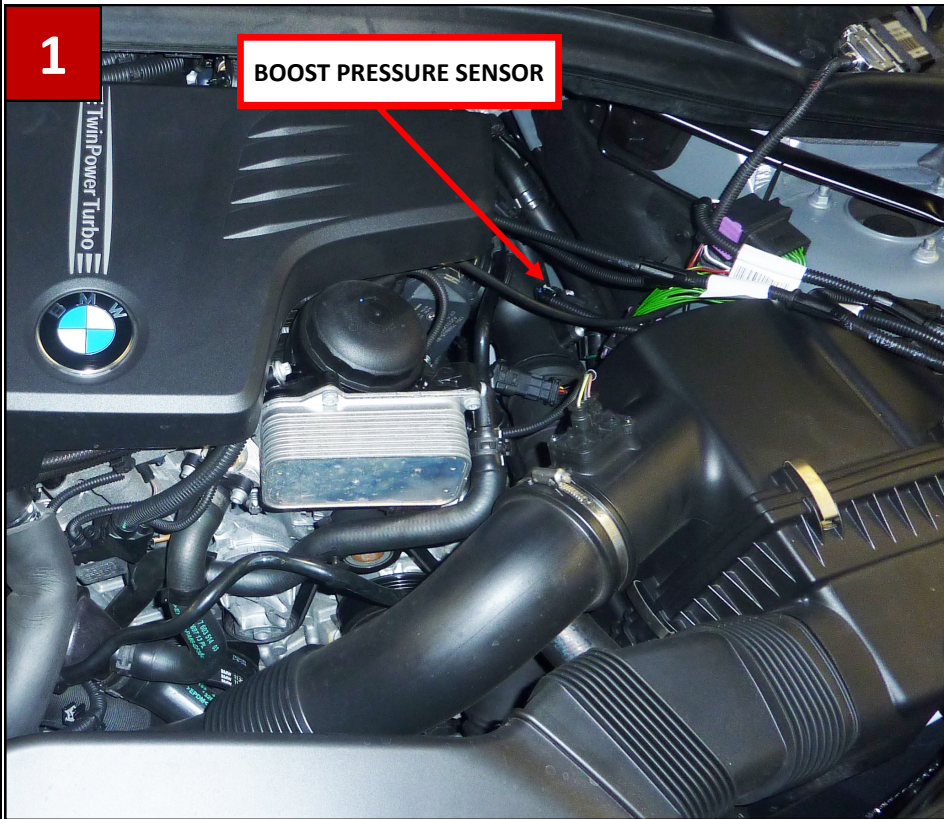
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1

BOOST PRESSURE SENSOR

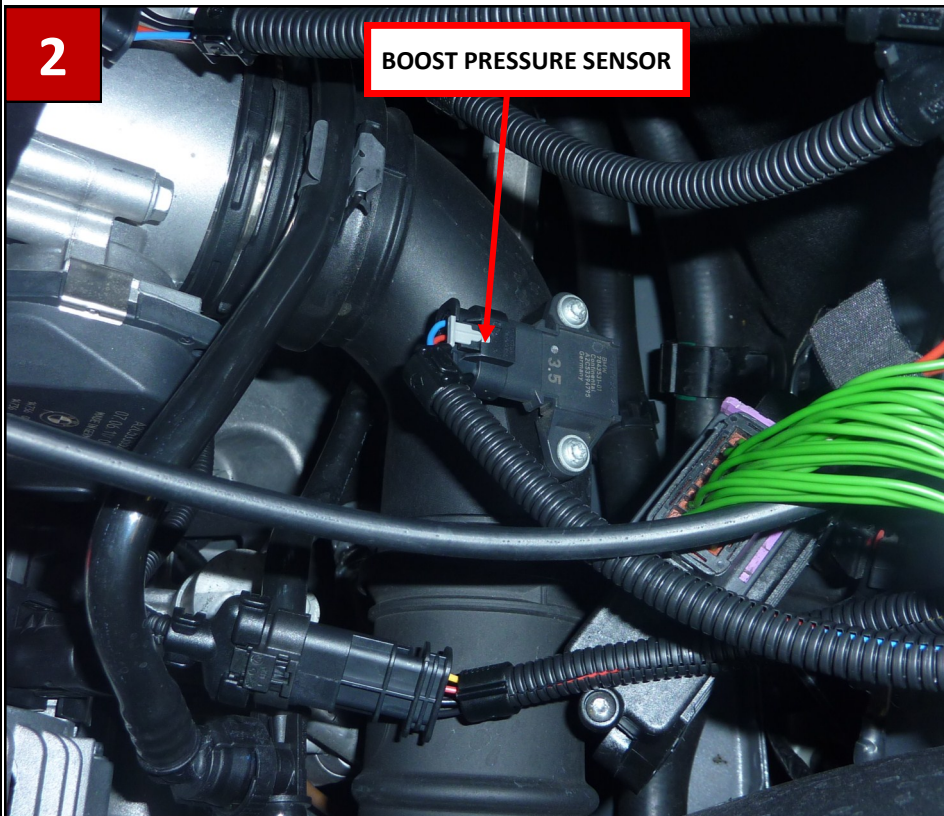


1. Boost pressure sensor

- ◇ The boost pressure sensor is located directly at the common boost

2

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 to the boost pressure sensor

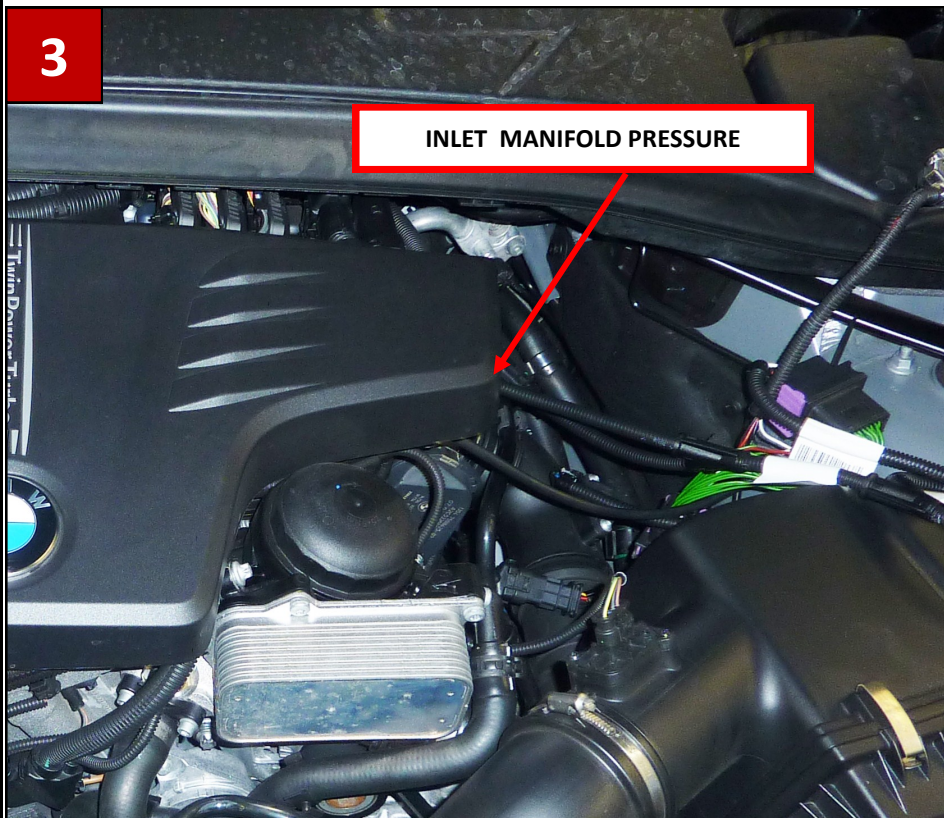
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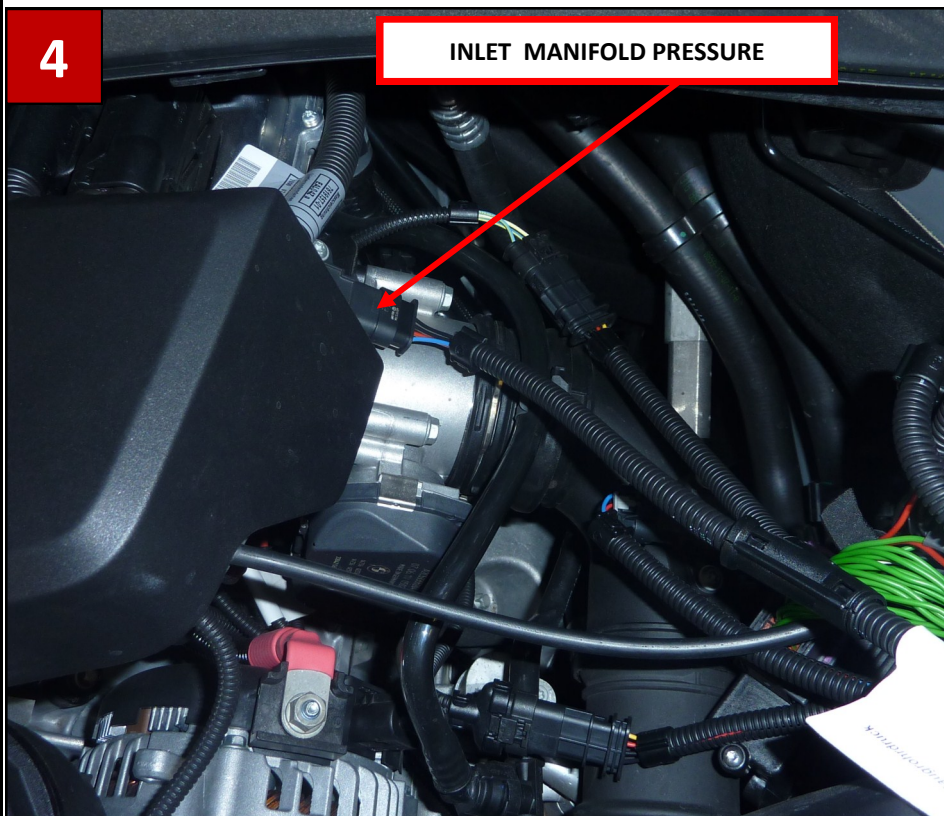
3



2. Inlet manifold pressure

- ◇ The inlet manifold pressure sensor is located at the rear of the engine
- ◇ Just lift the engine cover a little bit up on the driver side, to get to the sensor more comfortably

4



- ◇ Disconnect the plug from the inlet manifold pressure sensor.
- ◇ Attach the inlet manifold pressure sensor plug to the new loom
- ◇ Connect the plug of the new loom the inlet manifold pressure sensor

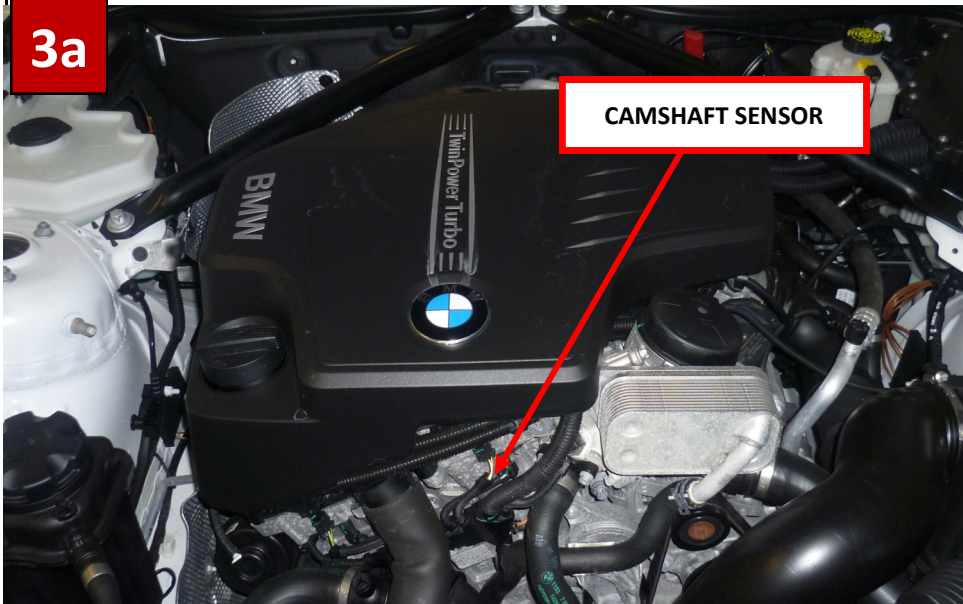
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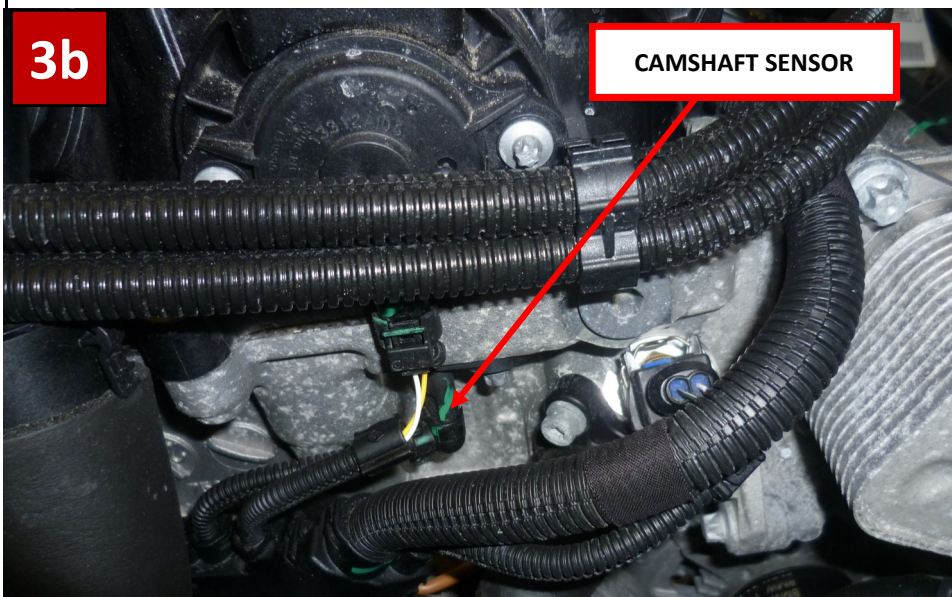
3a



3. Camshaft sensor

- ◇ The camshaft sensor is located on the Front of the engine
- ◇ Now disconnect the plug from the camshaft sensor.
- ◇ Than connect the plug from the new cable loom with the camshaft sensor.
- ◇ Connect the old plug with the new cable loom.

3b



3c



- ◇ Unlocking the camshaft sensor is somewhat difficult to see

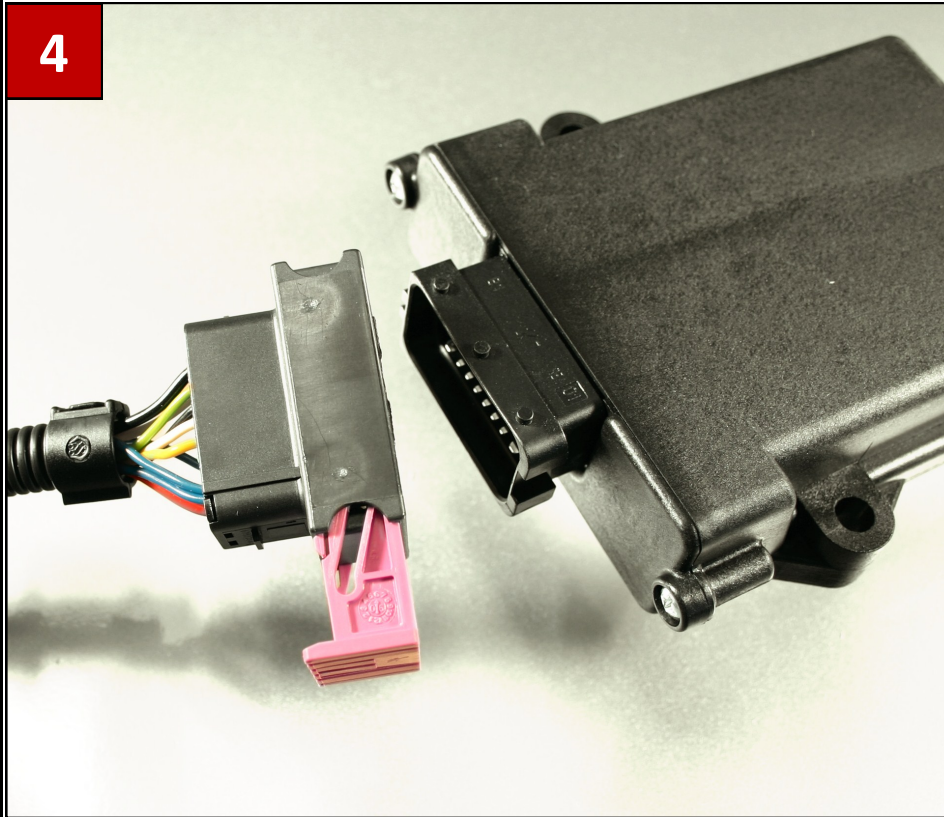
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4. tuningbox

- ◇ 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