

# **BOOSTR**<sup>®</sup> **PRO**

## Installation instructions

BP7023

Developed and manufactured  
in Germany by



ENG20057



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### ***Scope of delivery***

- Tuning module
- Harness
- Dummy plug
- Fixing set
- Installation instructions

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### ***Preliminary***

**This tuning system is specifically customized and programmed for your vehicle.** Due to production variations of engines in general, the expected result of the tuning system can turn out differently (higher or lower). Also, the increased performance always depends on the maintenance condition and mileage of the vehicle.

If the power is too high, shown by a strong soot formation, disturbed engine run, engine misfire or the initiation of the engine emergency, you can fine-adjust the system. (see chapter "Programs").

**IMPORTANT: When changing the program in this case, contact your dealer or the manufacturer!**

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### General instructions

**Read this installation guide carefully before starting the installation so that you will be able to use all the technical advantages of the systems and do not start with the installation before you have read and understood the instructions.**

If you comply with the advice given below (1) you will avoid an early termination of the product guarantee and you will be enjoying your product for years to come.

**(2)** Never install the system if the ignition is on. Pull the ignition key.

**(3)** After switching off the ignition, wait for 5 minutes until all electric devices are turned off.

**(4)** If possible, install the module in a dry area in the engine compartment. Humidity and wetness contain minerals which cause corrosion to the electronic circuits. Fix the harness and protect it from humidity.

①



Note the following hints!

②



Switch off the ignition!

③



Wait 5 Minutes.

④



Install splash proof!

⑤



Attention when  
Engine wash!

⑥



No installation  
on hot engine parts!

⑦



Do not make any changes!

⑧



Disregard may  
cause malfunction!

**(5)** Before every engine wash, remove the entire tuning system.

**(6)** Do not fix tuning systems to engine parts that could heat up. Never fix the module directly or close to the engine (engine block). High temperatures can reduce the lifespan of electronic devices and can deform or melt specific plastics materials.

**(7)** Take care that the harness does not touch the parts in motion and the metal parts to avoid friction. Do not make any changes to the harness (do not make it any longer or shorter).

**(8)** In case of the malfunctioning of the system due to any non-compliance with the instructions during the installation of the tuning modules, the product guarantee will be terminated.

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### **Installation**

The BoostPro system will be installed by the following simple steps. In case of doubt, please consult your dealer or your trusted workshop to assist.

- Open/unplug the later depicted sensor connections of your original engine. The following pages will show you which sensors have to be unplugged in pictures. Depending on the engine, you will have to unplug one or multiple plugs.
- The vehicle-specific BoostPro wiring harness will then be connected to each side of the original connection.
- Finally, the BoostPro module will be connected to the wiring harness.
- The system is now ready to be used.

On the following pages you will find an illustrated guide.

**Advice!** Do not move the adapter cable in parallel with injection pipelines or ABS-control device connecting leads. Keep to very big distances. Fix the cable harness with cable binders. Connect the module with the adapter cable. The module should be obstructed possibly against warmth and splash water protected.

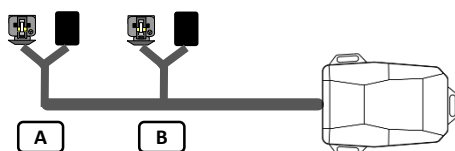
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### **Installation principle**

The following picture schematically explains the wiring logic.

Please read the following pictured pages carefully. They will show the exact set-up for your specific engine.

Depending on engine technology you might have one or multiple connections to plug in.



- A** Intake manifold or common-rail pressure sensor
- B** Boost pressure sensor

cable harness sticker:



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### Programs

With BoostPro, you purchased a modern engine tuning system for your vehicle that was specially designed for your vehicle and engine type. BoostPro comes with 6 different set-ups to match your need and also your engine's characteristics. From smooth tuning, over balanced set-ups to sportive. In the factory setting, the device already has been set-up specifically for your vehicle and engine type and is ready to use.

#### Remarks

- The system's factory setting is adjusted to fit your personal vehicle, a further adjustment is not required.
- The LEDs are signaling an active tuning system and show the selected program.
- In case of blinking LEDs, the keypad lock is active (Fig. A).

#### Unlock the keypad

The keypad flashes when tuning is active. Any change requires unlocking the keypad.

To unlock the keypad, you have to press << and >> buttons together for 3 seconds. First the 3 left LEDs going to light up, then only the 3 right will light up and finally all 6 LEDs light up. Release the buttons and the module is unlocked.

#### Fine adjustments of tuning program characteristics

- Engines can have stock tolerances in performance that require an adjustment of the tuning program characteristics. **Important:** Only change the program after consultation of your authorized dealer.
- By pressing the **buttons << or >>** every program can be adjusted to the specific characteristics of your vehicle. One of the 6 LEDs (left to right) indicates the selected program. Characteristics vary from smooth (LED #1, left) to sportive (LED #6, right).(Examples in Fig. A and B)

Fig. A – Example Program 2



#### Disable Tuning

If the power decrease is at program 1 (left LED #1 lit), press << **button** once more to deactivate the tuning. No LEDs light up when tuning is inactive.

Fig. B – Example Program 5



#### Enable Tuning

After the tuning was disabled, the tuning can be activated again by pressing the << **or >> button** once which will get the module in program 1 state (left LED #1 lit).

Inactivity of 60 seconds will lock the module again.

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***Programs***

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## Installation instructions

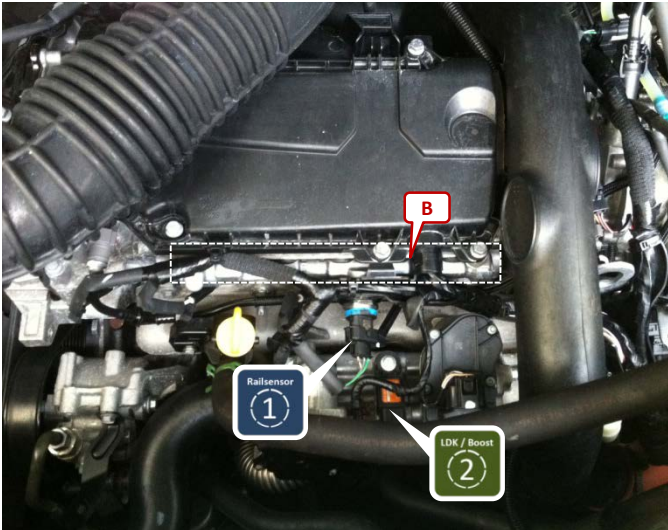
Error descriptions*	Problem solution
„The engine doesn't start.“	<ul style="list-style-type: none"> <li>▪ Check all connected components. Are the adapter plugs in the right position?</li> <li>▪ Is a plug twisted connected? If possible?</li> <li>▪ Do the LED's work properly (see chapter „Program Changing“)?</li> </ul> <p><i>Error persists</i> &gt; Replace module with enclosed blind plugs and start again.</p> <p><i>Error fixed?</i> Module is defective: Contact the vendor / manufacturer</p>
„The engine doesn't run smoothly. The engine is bucking.“	<ul style="list-style-type: none"> <li>▪ Check all connected components. Are the adapter plugs in the right position?</li> <li>▪ Has the program been changed?(see chapter „Program Changing“)?</li> <li>▪ <i>Error persists</i> &gt; Contact the vendor / manufacturer</li> </ul>
„The fail-save program runs immediately. The Malfunction Indication Light (MIL) flashes in the Instrument Cluster.“	<ul style="list-style-type: none"> <li>▪ Check all connected components. Are the adapter plugs in the right position?</li> <li>▪ Reduce the tuning module by one or two levels (see chapter „Program“).</li> <li>▪ <i>Error persists</i> &gt; Contact the vendor / manufacturer</li> </ul>
„The fail-save runs in higher RPM.“	<ul style="list-style-type: none"> <li>▪ Check all connected components. Are the adapter plugs in the right position?</li> <li>▪ Reduce the tuning module by one or two levels (see chapter „Program“).</li> <li>▪ <i>Error persists</i> &gt; Contact the vendor / manufacturer</li> </ul>
„The engine shows no extra performance.“	<ul style="list-style-type: none"> <li>▪ To obtain the maximum benefit, use a higher-octane fueled (98 ROZ or higher)</li> <li>▪ Reduce the tuning module by one or two levels (see chapter „Program“).</li> <li>▪ <i>Error persists</i> &gt; Contact the vendor / manufacturer</li> </ul>
„The engine produces too much soot.“	<ul style="list-style-type: none"> <li>▪ Check all connected components. Are the adapter plugs in the right position?</li> <li>▪ Reduce the tuning module by one or two levels (see chapter „Program Changing“).</li> <li>▪ <i>Error persists</i> &gt; Contact the vendor / manufacturer</li> </ul>
„How can I get back to the original performance of the engine?“	<ul style="list-style-type: none"> <li>▪ Change program to stock (see chapter “Program”) <i>or</i></li> <li>▪ Follow the steps below:               <ol style="list-style-type: none"> <li>1. Turn off the ignition.</li> <li>2. Wait until all electrical consumers are off.</li> <li>3. Remove the tuning module of all connected components</li> </ol> </li> <li><b>or</b> use included dummy plug.</li> </ul>

\* The fault description applies to both diesel and gasoline engines.



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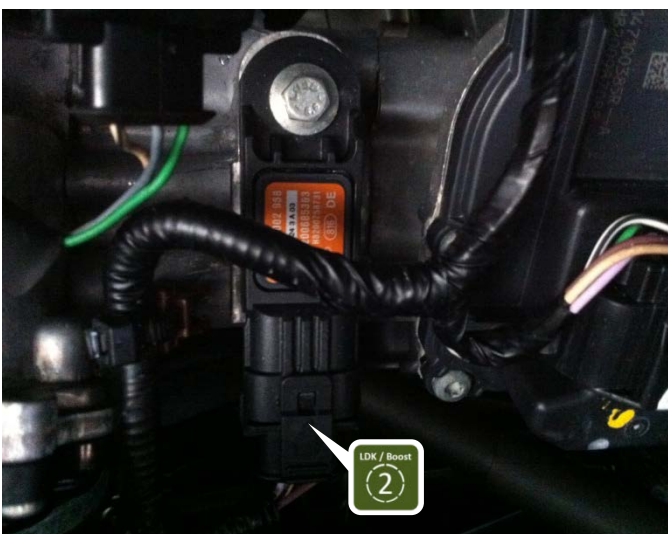
### Installation example



Switch the ignition off. Wait, until all electric power consumers are switched off. Open the engine hood. Localise the rail pressure bar (B) in the front area of the engine. The 3-pole rail pressure sensor plug (1) is located directly in the middle of the rail pressure bar.



Remove the rail pressure sensor plug. Connect the adapter cable to the common rail bar. Connect then the original pressure sensor plug to the adapter cable. Localise the 3-pin boost pressure sensor.



Remove the boost pressure sensor plug. Connect the adapter cable with boost pressure sensor. Connect then the original pressure sensor plug with the adapter cable. Move the adapter cable not in parallel with injection pipelines or ABS-control device connecting leads. Keep to very big distances. Fix it with cable ties. Connect the module to the adapter cable. Check all connections again and reassemble the vehicle in reverse order.