

Installation guide for cars

General instructions

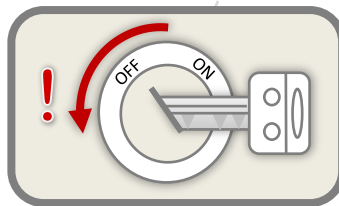
Read this installation guide carefully before starting the installation so that you will be able to use all the technical advantages of the systems and do not start with the installation before you have read and understood the instructions.

Your tuning system was designed and manufactured with great care and therefore should be also handled with care. If you comply with the advice given below you will avoid an early termination of the product guarantee and you will be enjoying your product for years to come.

Never install the system if the ignition is on. Pull the ignition key. After switching off the ignition, wait for 5 minutes until all electric devices are turned off.



Please absolutely consider these references.



Ignition switch off .



Wait after switching the ignition off 5 min.

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. Before every engine wash, remove the entire tuning system.



Install splash-proof



Attention with engine washing.



No installation on hot engine parts.

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.

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).

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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Land Rover Defender TD5 90kW/122hp, Land Rover Discovery TD5 102 kW/138hp

Localize the 8-pin connector of the four injectors. Open this connector. Connect the harness of the PDI module with the 8-pin plug from the injectors.

Move the adapter cable not 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 PDI module with the adapter cable.

The module should be obstructed possibly against warmth and splash water protected. Use the provided splash water protection bag and fasten this by means of the velcro fastening.

The module is preset on the vehicle and needs no other change of the settings. Now the vehicle is ready for a test run.

The Performance tuning can obtain a different result throughout the series. It's possible that the engine power turns out to be too high or too low.

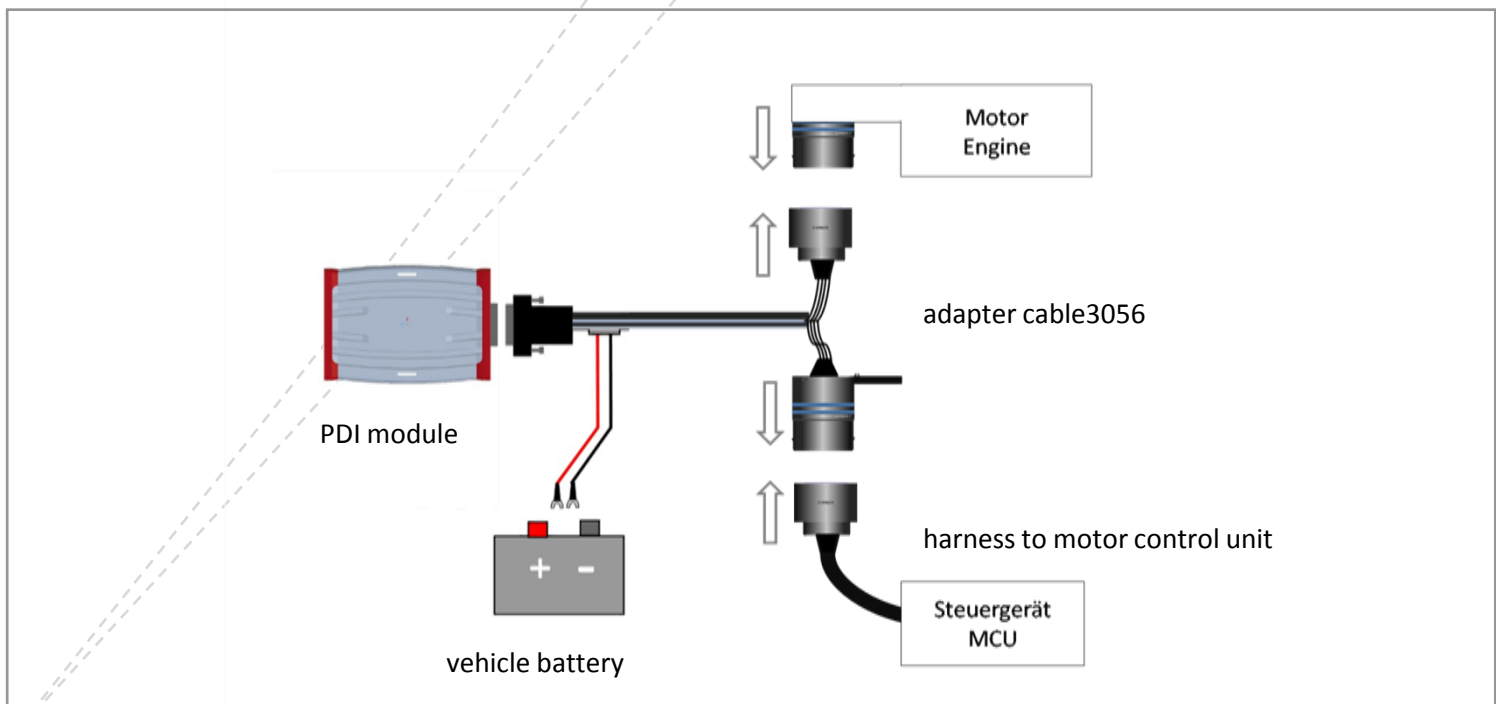
If the power should be too high, it is shown by a strong soot generation, disturbed engine run, engine misfire or the initiation of the engine emergency program.

See the attached sheet fine-tuning PDI system.

If you still have questions or you are not quite sure?

Contact us, a technician will gladly help you!

PDI System installation principle



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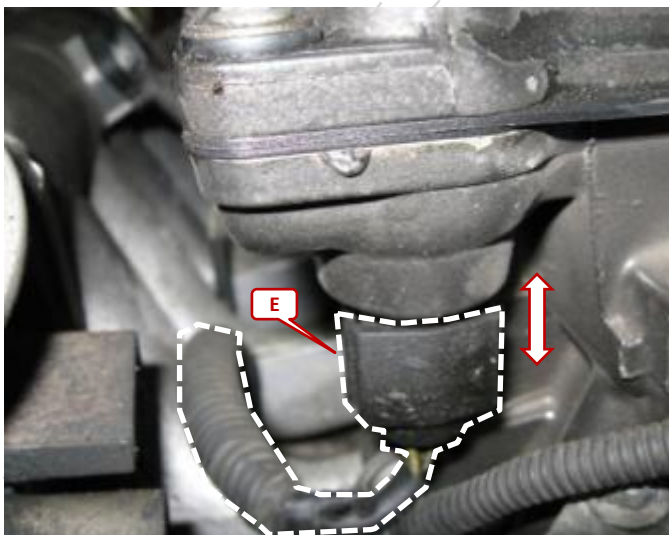
Open the engine hood.

Remove the engine cover (D).

The engine cover (D) is only mated not screwed.



Localize the 8-pin connector of the injectors (E). This plug (E) is located above the engine on the left side. Unplug the connector of the injector and connect it with the harness (3056) from the PDI Systems. Make sure that the connector snaps straight!



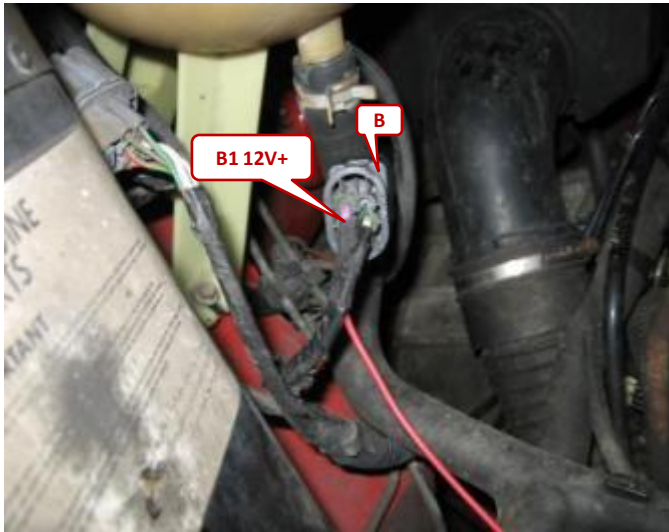
Close-up: 8-pin connector of the injectors (E).

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Power Connections: Connect the power supply wires (+ and - connection) to the vehicle battery. On some models is the vehicle battery under the driver's seat. Alternatively, the plus wire can be connected at the 4-pin connector (B).



Connect the plus wire from the PDI adapter cable (3056) with the plus wire from the 4 pin plug (B). This 4 pin plug is black. The plus wire from this plug (purple) is on pin 1. The minus wire from the adapter cable (3056) can be connected at any mass point.


TIP! Check the power supply on this pin (B1 12V+) before connecting the module.



Close-up: plus wire from the connector (purple) (Pin 1)

Connect the PDI module on the 15-pin Sub-D connection. Move the cable if possibly splash water protected and avoid attaching in hot engine parts.

Check all connections and set the vehicle in reverse order back together.



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Trouble shooting

Error descriptions	Problem solution
The car doesn't start.	<ul style="list-style-type: none">- Check all connected components.- Are the adapter plugs in the right position?- Do the LED's work properly (see PDI fine tuning)?- Are the Jumpers positioned correctly?- Is the adapter cable the right one?- Is the module correctly screwed to the adapter cable?
The car doesn't run smoothly. The engine is bucking.	<ul style="list-style-type: none">- Are the adapter plugs in the right position?- Have you changed the jumper position (increase in performance / diminishing in performance)?
The emergency program runs immediately. The Malfunction Indication Light (MIL) flashes in the Instrument Cluster.	<ul style="list-style-type: none">- Lower the performance by setting the jumper on a negative value (one or two positions → lower).- Contact the support.
The emergency program (fail-save) runs in higher rpm.	<ul style="list-style-type: none">- Lower the performance by setting the jumper on a negative value (one or two positions → lower).
The car shows no extra performance	<ul style="list-style-type: none">- Raise the power by setting the jumper on a positive value (one or two positions → higher).
The car produces too much soot.	<ul style="list-style-type: none">- Lower the performance by setting the jumper on a negative value (one or two positions → lower).
How can I get back to the original state of the car?	<ul style="list-style-type: none">- Turn the ignition off. Wait, until all electric power consumers are switched off. Disconnect the PDI module from the adapter cable. You can drive series when only the adapter cable is installed. You don't need a bridging plug. You can also remove the complete system (PDI module and JTD A6 adapter cable).