

Installation instruction for cars with VP 44 pump

Installation

Suitable for: 2.0 Ltr. 2.2 Ltr. DTI VP44 2 plug version

Localise the controller and connect the cable harness according to the pin assignment of the respective vehicle. The individual cables are connected parallel to the accordant pins. The green cable to the fuel injection pump is also connected parallel. It is recommended you use an IDC (Insulation Displacement Connector) for the fitting of this cable. Avoid laying this cable alongside the ABS Cable as this may cause optical interference in the multimeter! A fuse is situated inside the green cable to the fuel injection pump, inert 2 ampere. This fuse guarantees the protection of the fuel injection pump and the power electronics. Always check all signals before putting the power electronics into operation:

Pump signal

The pump signal can be determined at idle running: Measure dc voltage compared to earth. When shortly pressing accelerator, voltage should drop by approximately 0.3 Volt.. The pump signal (green cable) is always supposed to be connected to Pin II of the fuel injection pump.

Look at the foto intensivly!

The reference cable of the fuel injection pump runs from top right towards the center of the fuel injection pump to the solenoid valve.

Performance attitude

When power performance is insufficient, turn the potentiometer of the VP-System in small moves to the left (anti-clockwise).

If enhancement of power performance is too high (potentiometer opened up completely to the left), the engine will turn off.

If intense soot exhaust occurs or if the engine stalls, turn the potentiometer to the right (clockwise) until it is running smoothly.

In case the vehicle run irregularly, or if it bucks, you will have to check the fuses in the cable harness.

Fundamental installation

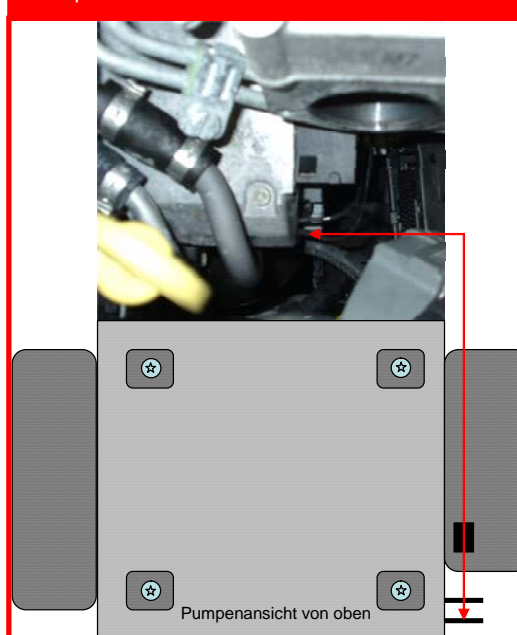
- green – VP 44 pump
- White - Gaspedalsensor
- Red – plus pole of the battery
- Black – earth pole of the battery

Check all signal before you take the performance electronics into operation

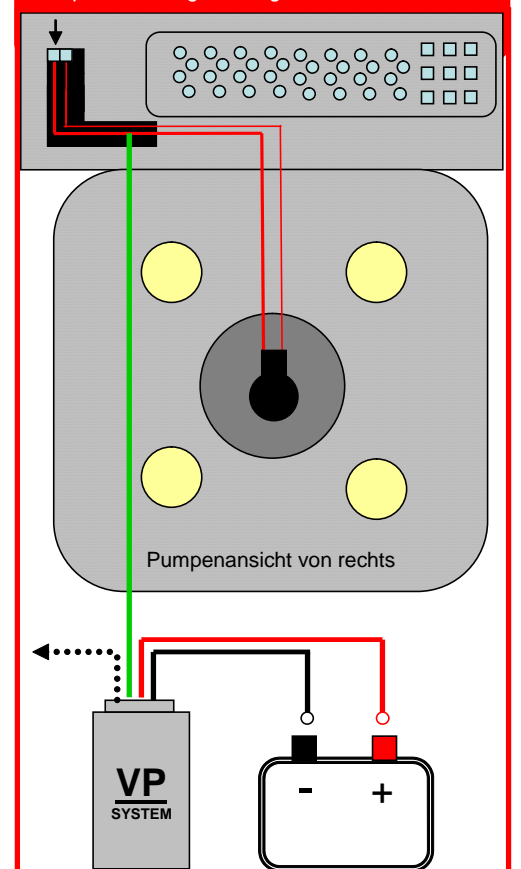
A safeguarding is at the green cable. This ensures the Protection of the pump and the tuning system.

Signal	VP-SYSTEM	Voltage
■ earth	black	earth
■ battery	red	12 Volt
□ accelerator signal	white	0,35 Volt increasing 4 Volt
■ pump signal*	green	13,8 Volt decreasing*

Pump view from above



Pump from the right, straight under the AGR-valve.



Examples Opel Zafira 2.2 DTI 125 bhp

Mounting position VP44 Pumpe



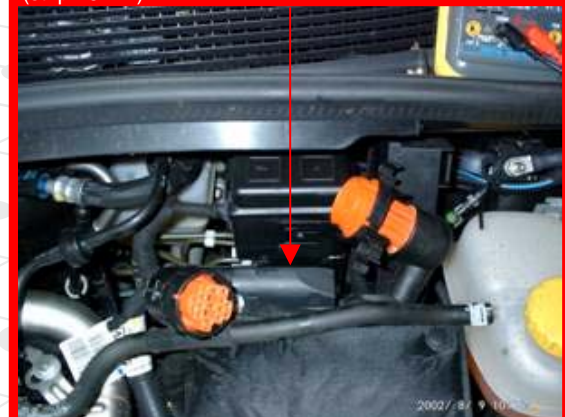
Remove engine cover

Remove the AGR valve



Green cable connect to the cable at the left side

Connect the white cable parallel at Pin 32 (strip 48 Pin).



Connect the red cable with the plus pole of the battery
Connect the black cable with the earth pole of the battery

Examples Opel Vectra 2.2 DTI 125 bhp

Mounting position VP44 Pumpe



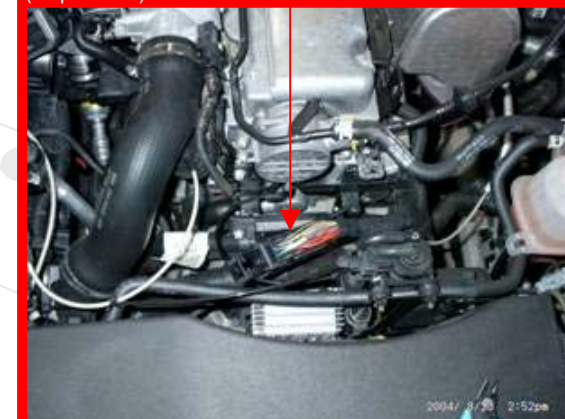
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