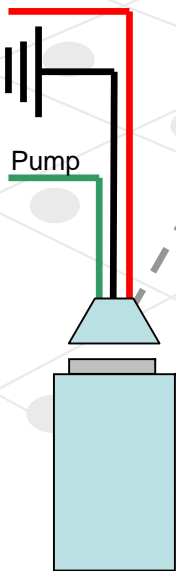
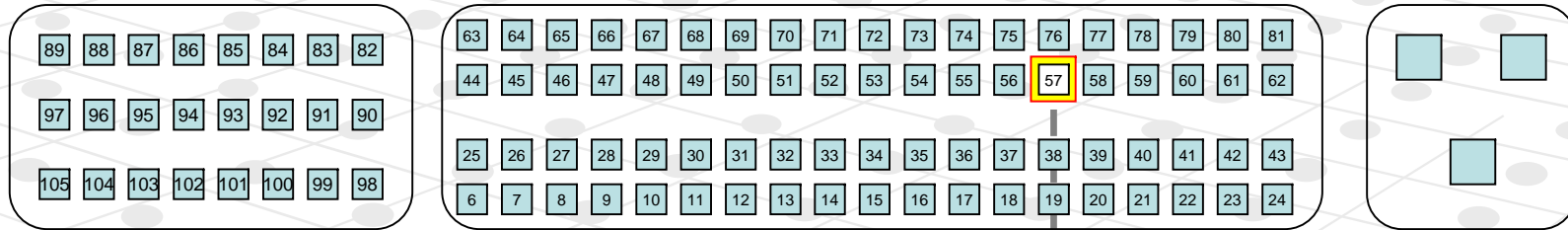


Motorcontrolunit 105 PIN

Connectiondiagram VP- Rover 25 2.0 Ltr.







MCU	CR-SYSTEM	Voltage range
<ul style="list-style-type: none"> Battery Battery Pin 57/ plug 2 Pump 	<ul style="list-style-type: none"> Black Red White Green 	<ul style="list-style-type: none"> Ground 12 Volt 0,35 Volt rising 13,8 Volt drop


Please double check the pin and plug numbers, check the voltage range on every lead that will be connected. Wrong connected leads can damage or destroy the MCU or Pressure Transducer Sensor.

Installation instructions for vehicles with VP 44 / 30 pump

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:

Reference Signal	VP-SYSTEM	VOLTAGE	Alternative Connector
Earth	 Black	Earth	Negative Pole of Battery
Operating Voltage	 Red	12 Volt	Positive Pole of Battery
Accelerator Signal	 White	0.35 Volt increasing to 4 Volt	Accelerator Sensor Interior
Pump Signal	 Green	13.8 Volt dropping*	-----

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

See picture. 

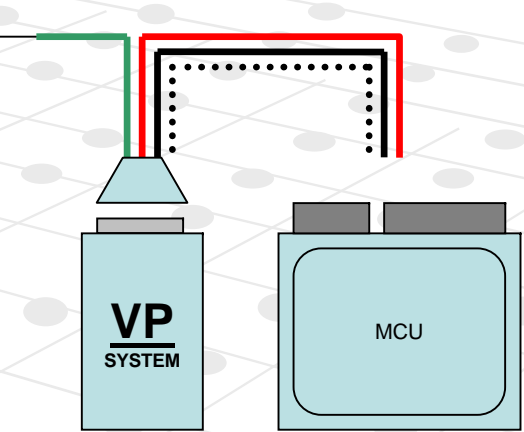
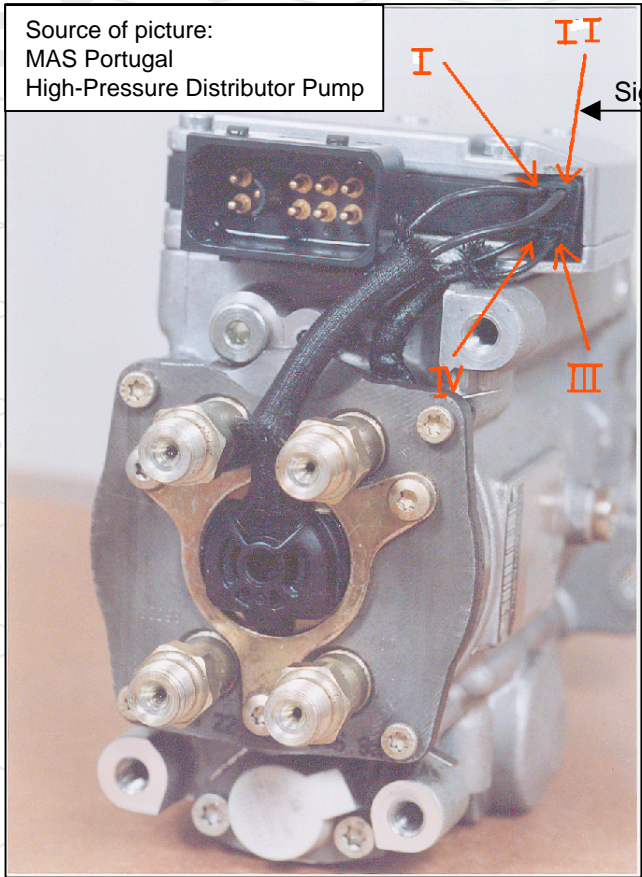
When power performance is insufficient, turn the potentiometer of the VP-System in small moves to the left (anti-clockwise).

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.

Source of picture:
MAS Portugal
High-Pressure Distributor Pump



- Pump Signal
- Voltage Supply
- Earth
- Accelerator Signal

◀ Back to Installation instructions