Motor Control Unit BOSCH 80 PIN SERIES 2

Installation instructions UNI-System

Installation of vehicle interface

1Turn off vehicle ignition.
2 Remove all necessary coverings and uncover the diesel controller.
3 Pull out the big multipolar plug from controller and open the plug.
4 Now solder the 5 wires of the connector cable, according to the pin assignment of the controller onto the respective wires of the controller plug.
5 Check assignments once more. A wrong assignment may lead to destruction of the controller and/or the power electronics.
6 Insulate all bare soldering joints and close the plug. Now re-install the controller.

Setting UNI-System

Keep ignition off and connect the setting cable to vehicle interface; take the other end of the cable into the vehicle interior. Now connect the UNI-System to the setting cable.

Setting range of power performance

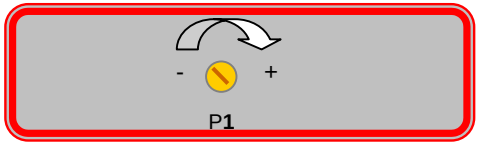
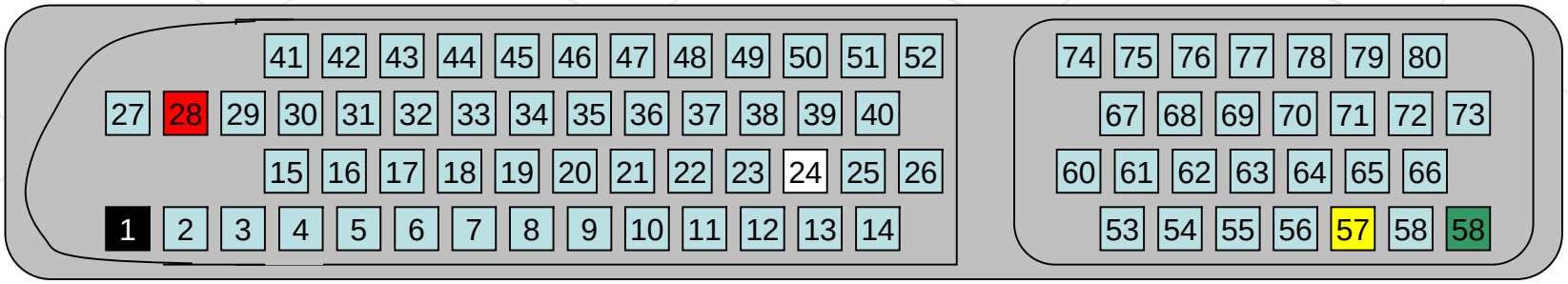
The car must reach operating temperature before doing any adjustments!!
While you are driving with full-load, with an engine speed between 2000 rpm and 3000rpm, turn the screw of the potentiometer to the right until the increased efficiency of acceleration becomes noticeable and/or until moderate-strong smoke becomes visible. Turn the screw back slightly;
In no case at all should soot exhaust be higher than in the standard condition.

Final installation into vehicle.
The settings are now complete and the power electronics can finally be installed.
Remove the setting cable and connect the power electronics directly to the vehicle interface.

We hope you will enjoy yourself and have a good trip.

MCU	UNI-SYSTEM	Voltage
Pin 1	black	earth
Pin 28	red	12 volt
Pin 57	yellow	2,5 volt
Pin 24	white	0,35 volt increasing till 4 volt
Pin 58	green**	2,5 volt

Ill.1: Backside TDI Modul



potentiometer P1