

Motor Control Unit LUCAS 55 PIN

Installation instructions Lucas-System

Installation of vehicle interface

- 1 Turn 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 four wires of the connector cable, according to the pin assignment of the controller, onto the respective wires of the controller plug.
- 5 Check assignment 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 plug.
- 7 Now re-install the controller.

Setting LUCAS-SYSTEM

Keep ignition off and connect 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 or/and until moderate-strong smoke becomes visible. Turn the screw p1 (metal) back slightly; In no case at all should soot exhaust be higher than in the standard condition.

The other potentiometer (plastic) is set to center - twelve o'clock position.
But the module will already be delivered in this standard setting!
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.

MCU	UNI-SYSTEM	VOLTAGE
 Pin 55	black	Earth
 Pin 48	red	12 Volt
 Pin 10	white	0,35 Volt increase until 4 Volt
 Pin 12	green**	2,5 Volt

