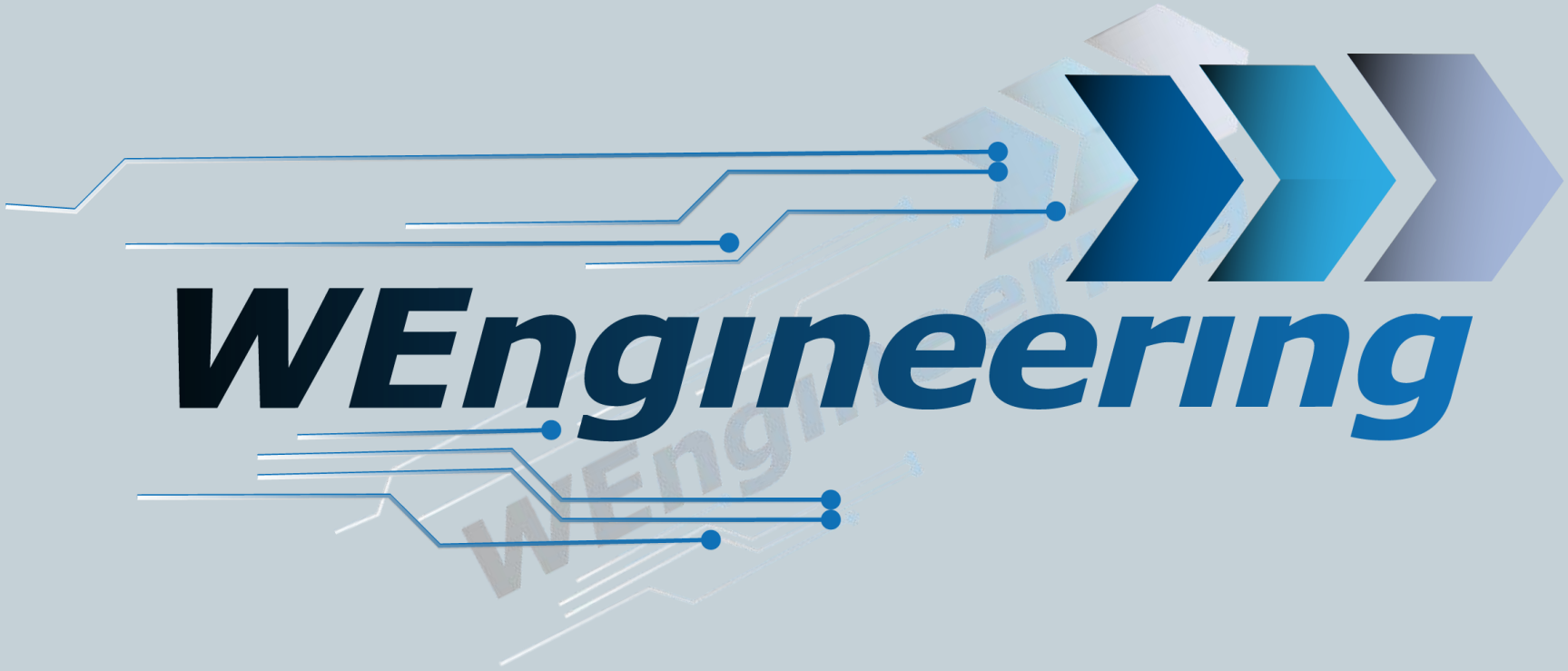
WEngineering

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Dismantling the interior trim

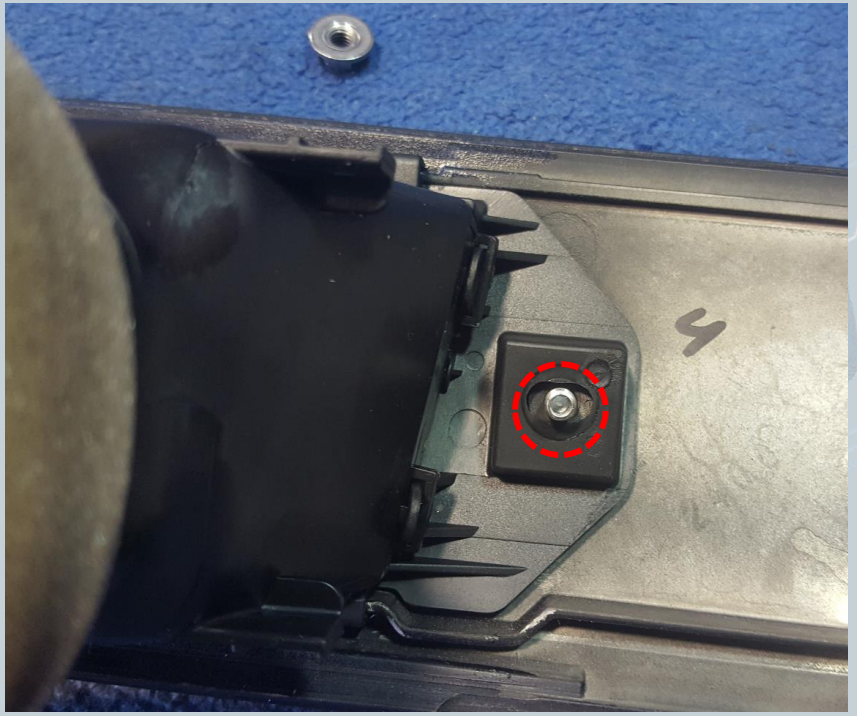
Carefully loosen the interior trim. Beginning from the passenger side.

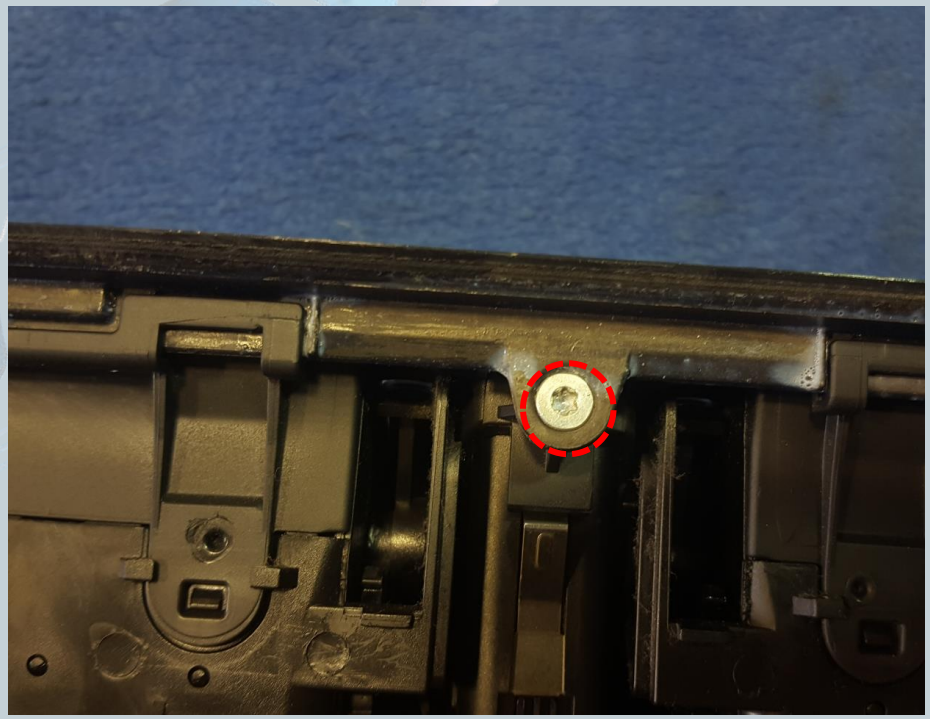
Dismantling the interior trim

Pay attention to the connectors.

Dismantling ventilation

Remove the 2 (8) nut and disconnect the vent from the interior trim.

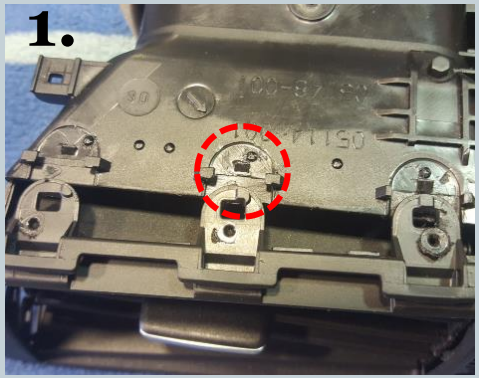


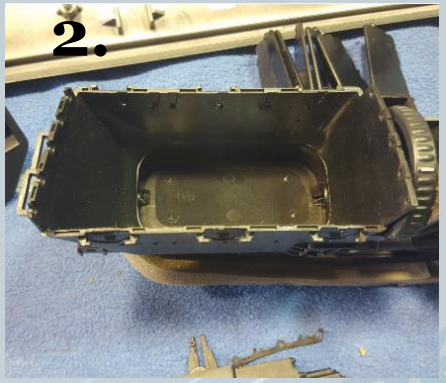


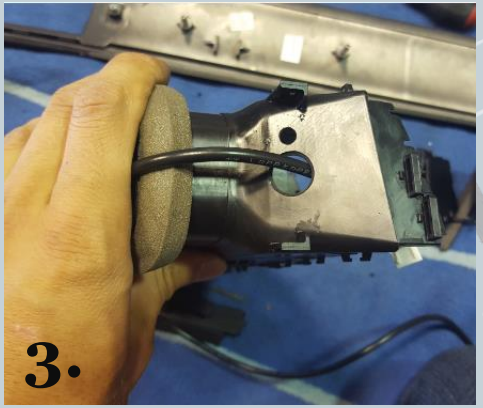
Dismantling ventilation

Disconnect the ventilation unit from the interior trim. First the upper side.

Mounting display







1. Unlock locks to separate the front of the vent from the rear.
2. Remove all fins.
3. Drill a hole for the cable entry
4. Insert display. Right side first. Left side can be clipped.

Mounting display

Reinstall the front part of the ventilation. The bottom side first. Now the ventilation unit can be bolted to the interior trim again.

Connection of the control unit

Remove the panel and the glove compartment in the footwell on the passenger side. Lay the cables in the footwell accordingly.

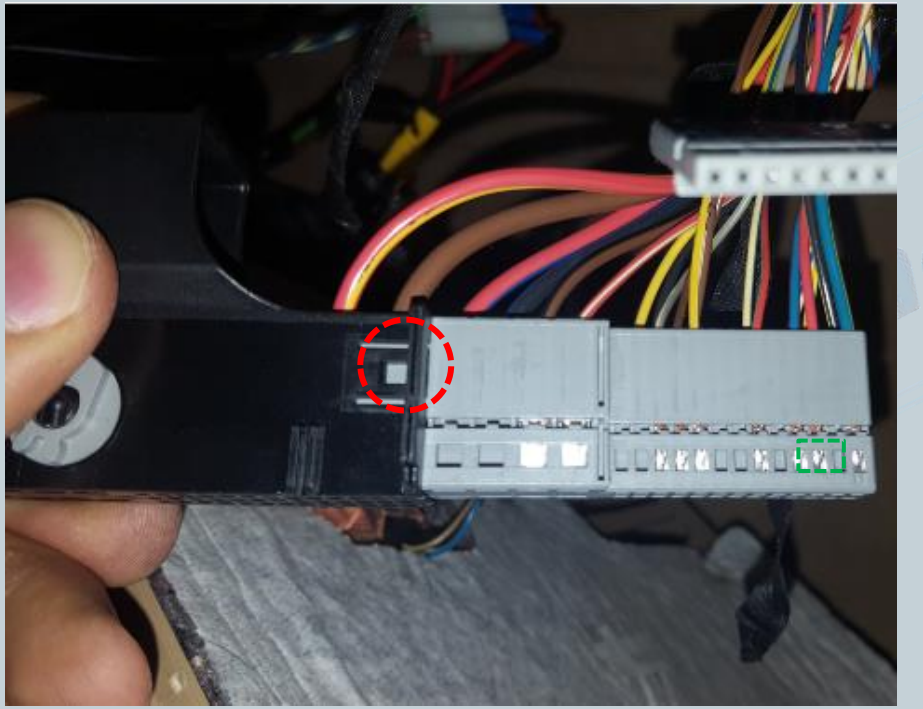
Connection of the Silver/BlackBox control unit

1. The supply for the control unit can be taken from the 12V charging socket. Depending on the equipment, there is one directly in the foot area on the passenger side. If another source of supply voltage is used, pay attention to choosing the correct ground (-) point. The plus (+ 12V) must be switched, e.g. by ignition plus and must be protected with at least 15A.

2. Remove the connector

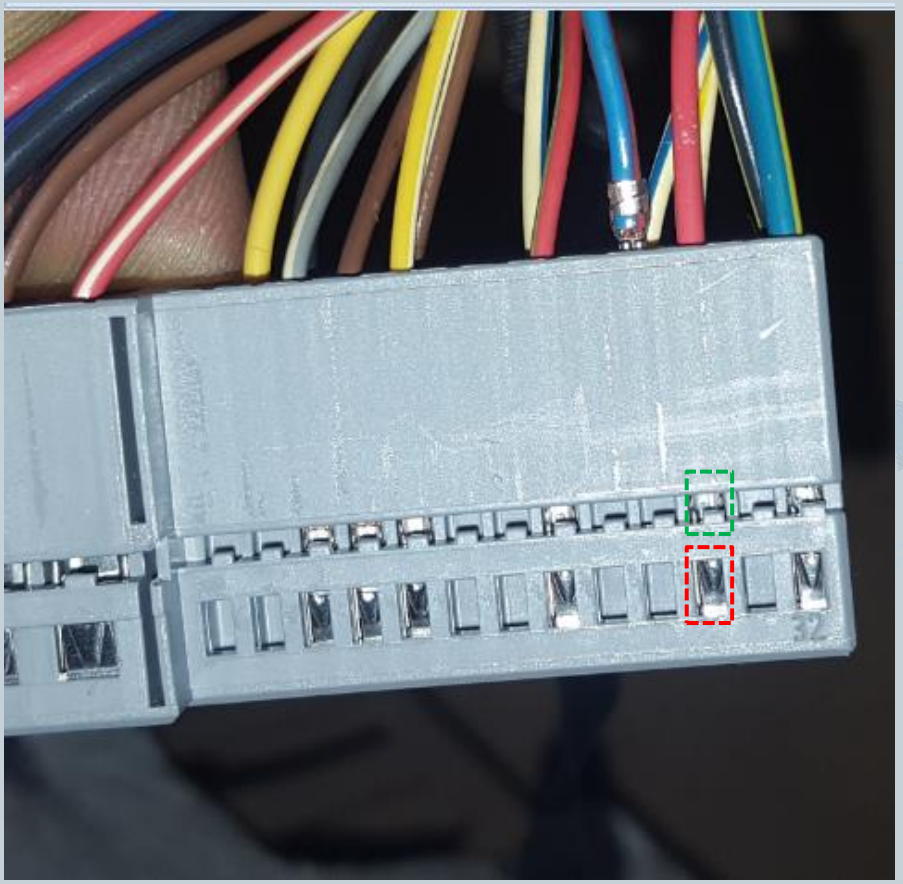
Connection of the Silver/BlackBox control unit

Unplug the black connector and pull it out of the connector housing. The housing is locked into place on both sides (marked in red).



The plug consists of three fields, Remove the upper field as shown in the picture to get to the desired pins.

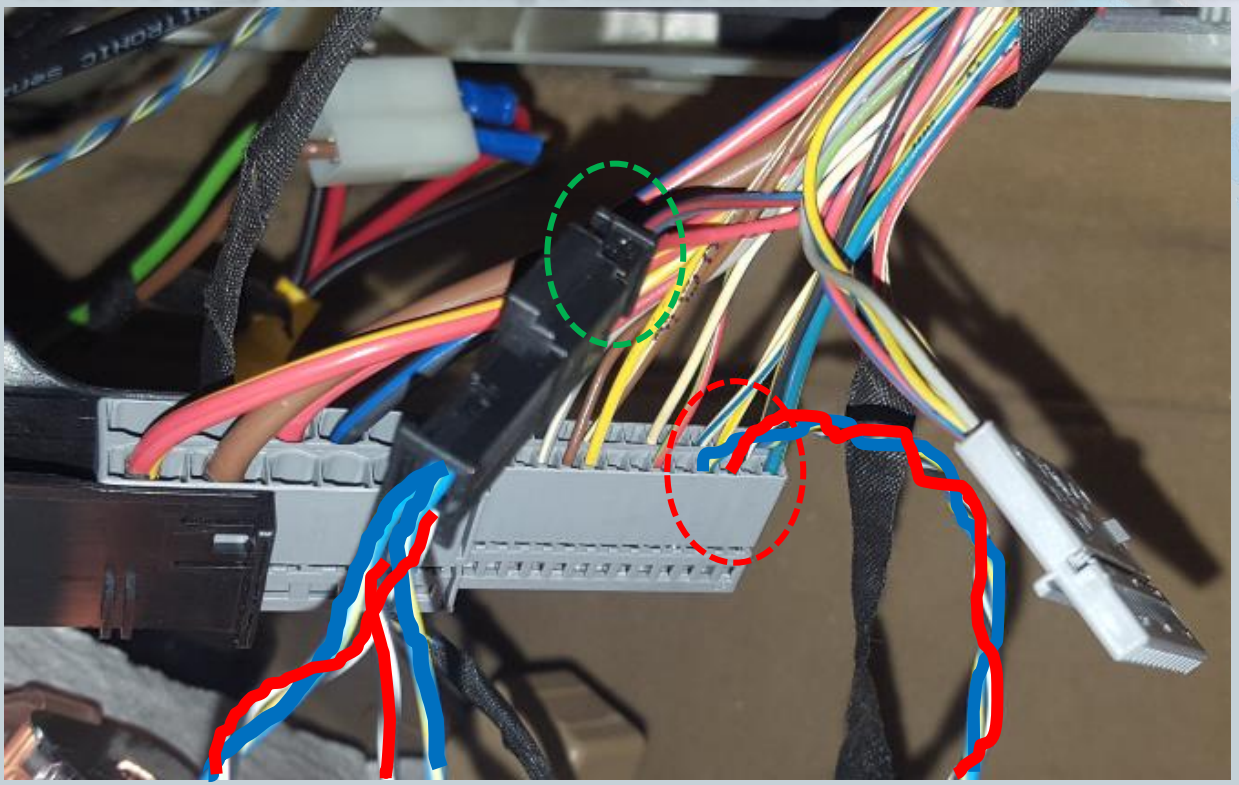
Connection of the Silver/BlackBox control unit



Unpin the CAN line (blue / red and red is twisted).
Blue / red = CAN high = pin 29
red = CAN-Low = pin 30
Press and pull on the pins with a small slotted screwdriver. First press on the red marked area and pull out, then on the green area. Carry out this process for each wire individually.

Connection of the Silver/BlackBox control unit

Pin in the disconnected CAN line into the connector supplied. Thereby “blue / red” on **Pin_1** and “red” on **Pin_3**. The numbering is marked on the connector (marked green)..



Pin in the supplied CAN line as shown in the picture (Highlighted in red).
Blue = CAN high = pin 29
red = CAN-Low = pin 30

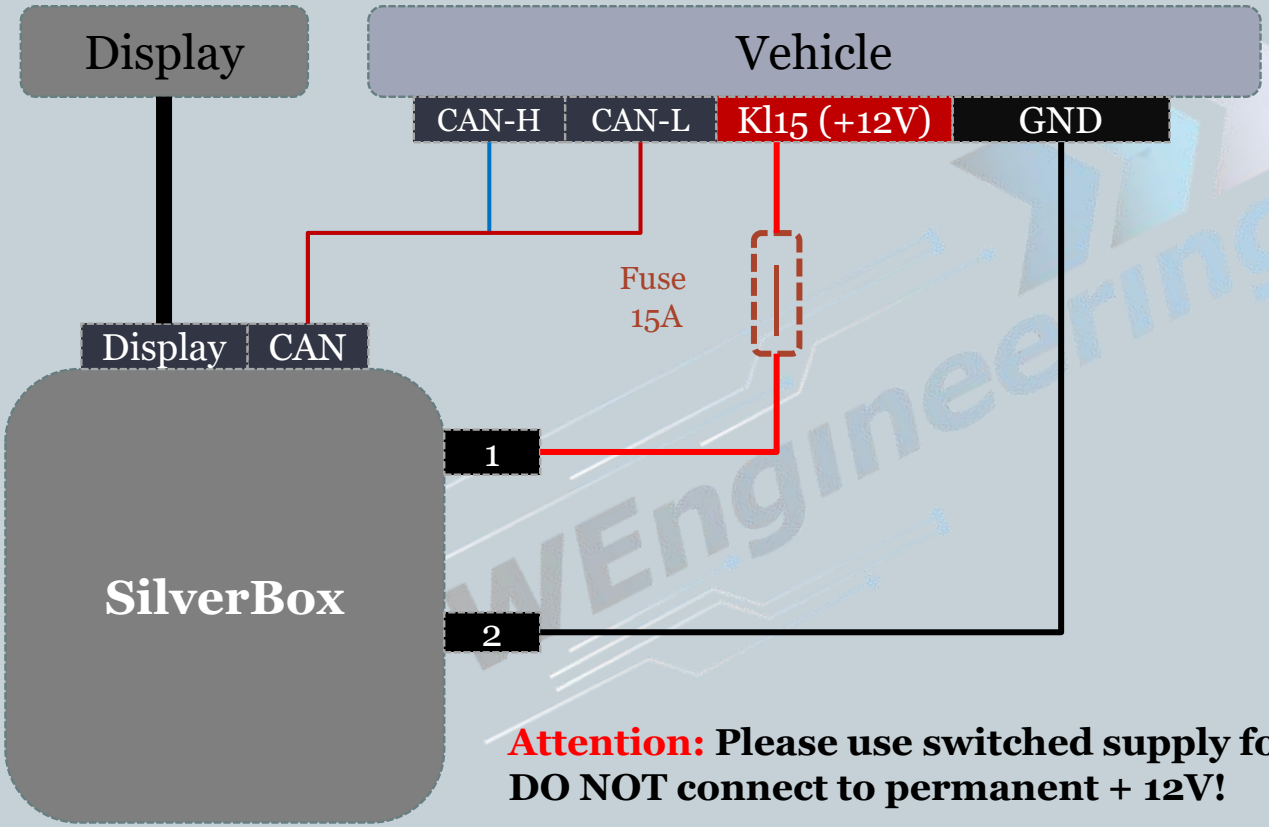
Mounting the control unit

The control unit is placed in the footwell of the passenger side. The installation position must be selected according to availability of space. Connect the two plugs to the control unit.

Important!

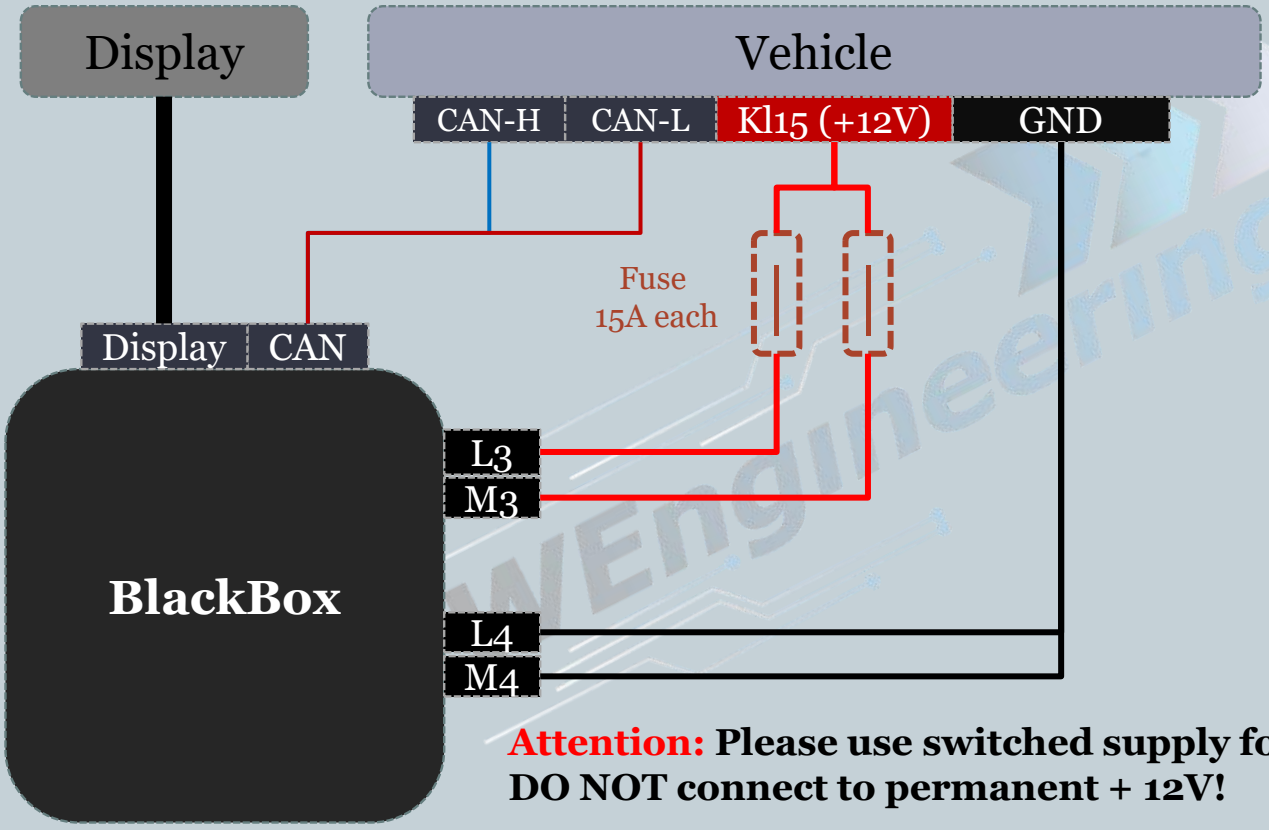
After installing the data display, the diagnostics interface is permanently blocked. This means that no communication via OBD to the engine control unit is possible. Programs such as EDIABAS, ISTA, INPA report an error while establishing a connection. In order to release the diagnostics interface, only Car Service has to be set to "On" before starting the engine in the setup menu. To retain the setting even after a restart, the memory function must be performed. This is recommended before you visit the workshop.

SilverBox connection diagram on the vehicle side



Attention: **Please use switched supply for the control unit.**
DO NOT connect to permanent + 12V!

BlackBox connection diagram on the vehicle side

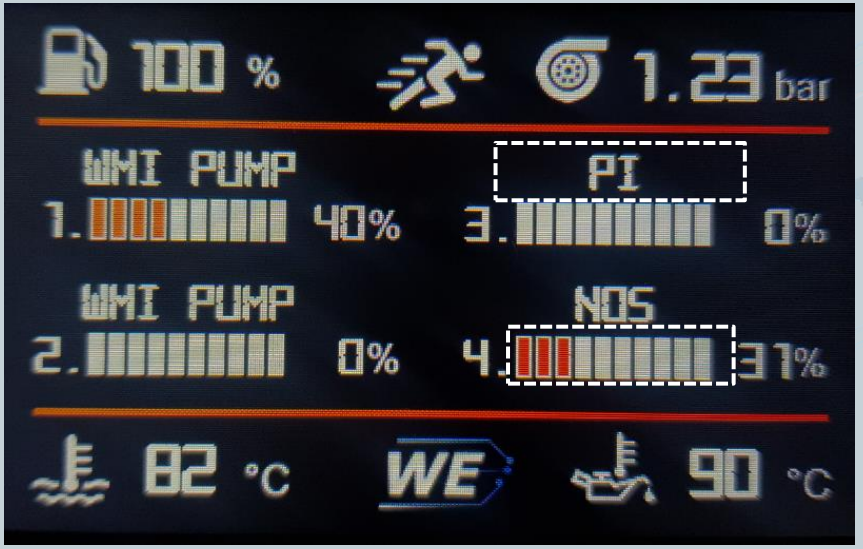


Attention: **Please use switched supply for the control unit.**
DO NOT connect to permanent + 12V!

System test

1. Screen Injection (PWM-Test)

The BlackBox control unit has 4 PWM outputs, the SilverBox 2 PWM outputs. In this menu the status of the outputs can be viewed and put into a test mode.



1. Which function was configured for the respective PWM output in the software.

   Test function activation:
   To activate the test function, press to the name of the respective PWM output. After confirmation, the name changes to "TEST". Deactivation is done in the same way.
   Each time you press the bar, the value increases by + 25%. After 4s the control will automatically set to 0%.

Adjust the display brightness

The display brightness is controlled centrally via the ambient lighting. For a perfect display brightness we recommend the following setting. In absolute darkness, turn the rotary control for the central lighting back until you will get a value between 25 and 37.