



WEngineering



Caution:
Be sure to disconnect the vehicle
battery before installation! Electrical
work should only be performed by
qualified personnel.

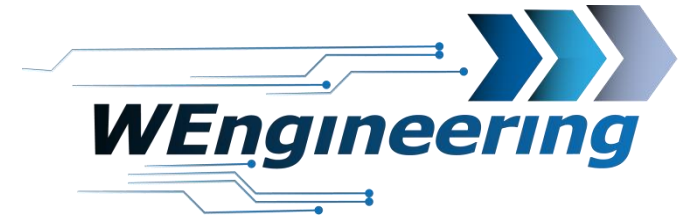


Manual instruction Datadisplay

BMW F2x F3x

Version:V3.0

Date : 01.10.2025



2



Dismantling the interior trim

Carefully loosen the strip. Starting from the passenger side.



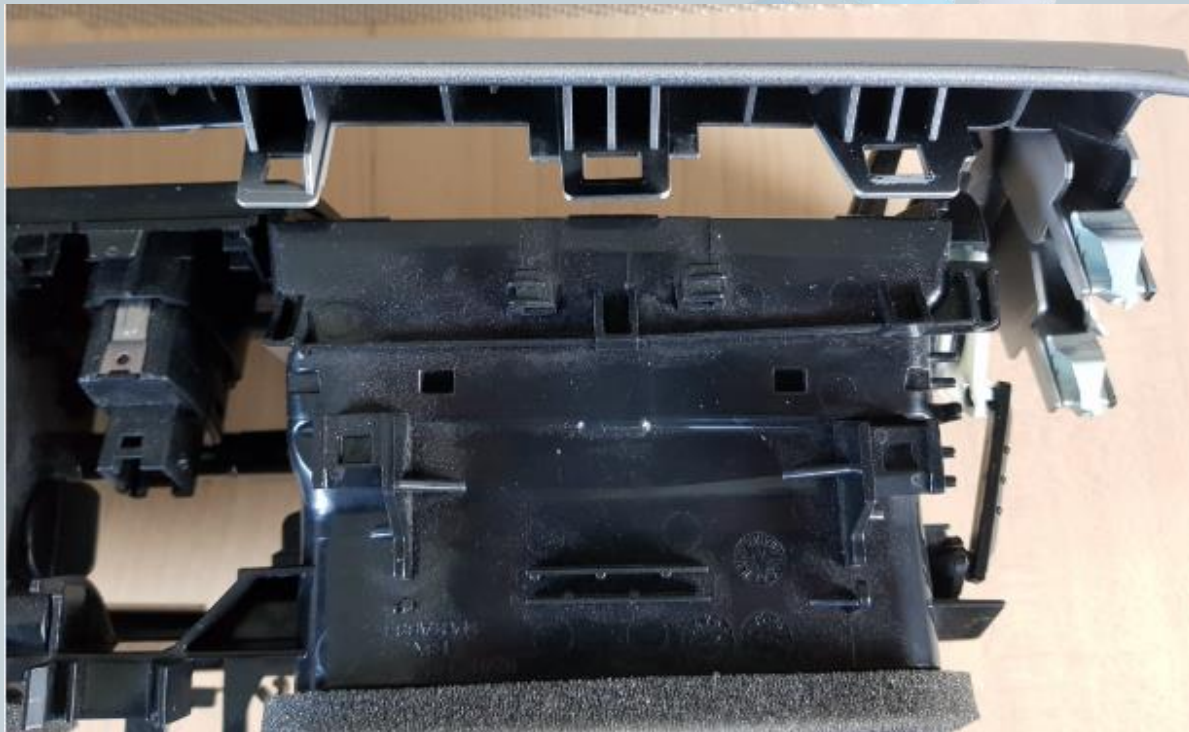
Dismantling the interior trim

Pay attention to the connectors.



Dismantling fresh air grill

Disconnect the ventilation unit from the interior trim. Starting with the top side.

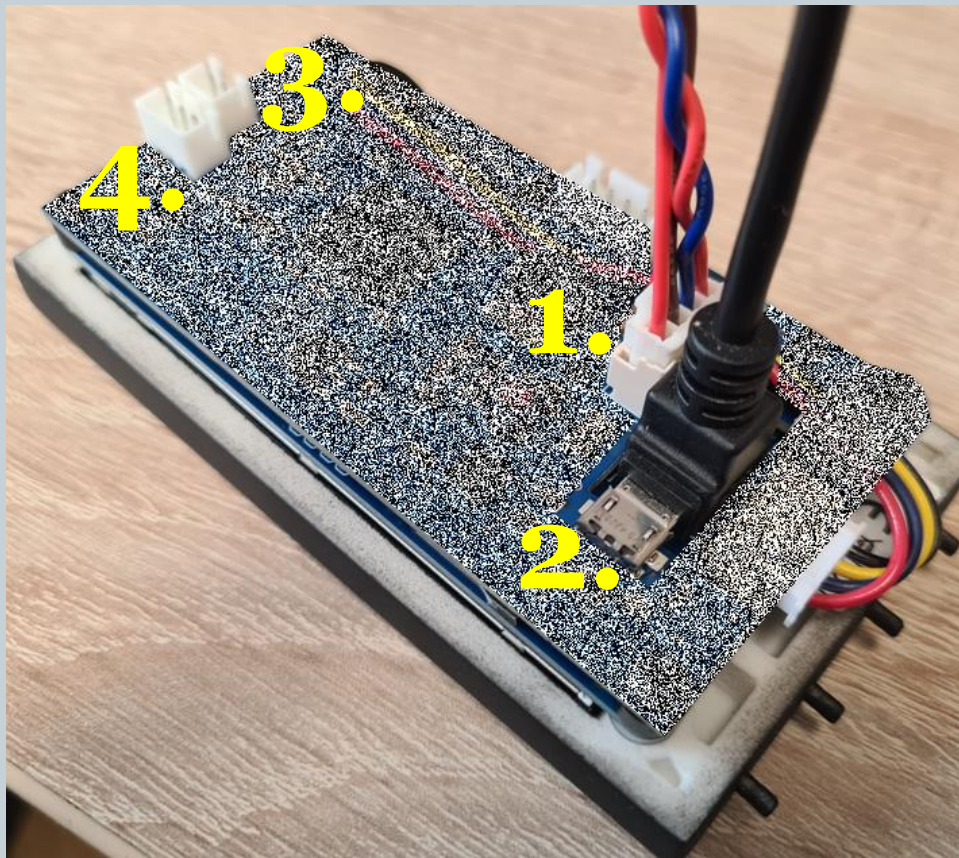


Mounting display

Remove all fins from the left ventilation unit and loosen the bracket clip.
The middle button of the ventilation unit does NOT need to be removed.



Mounting display



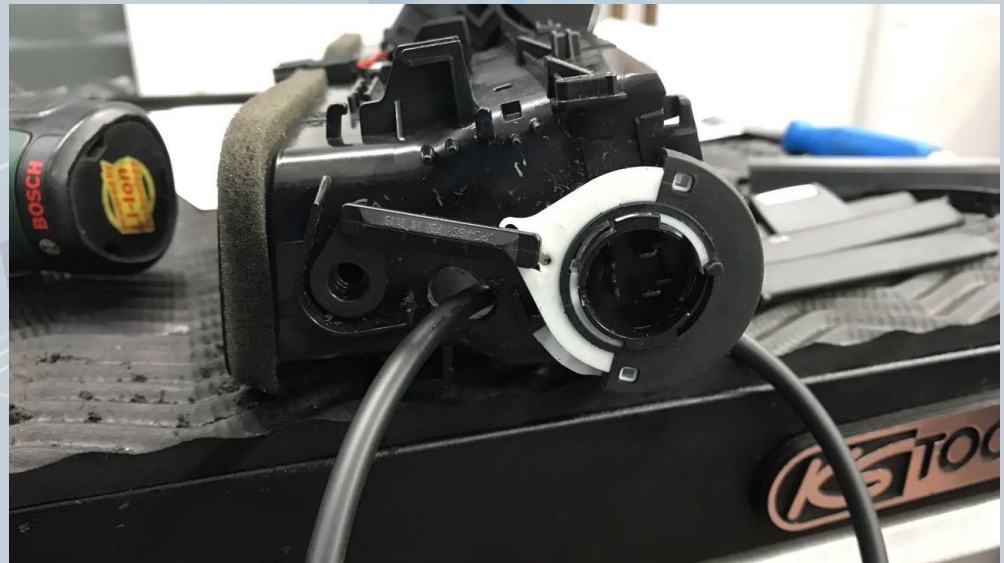
1. DataDisplay main cable (power supply/CAN Bus)
2. 90° Micro USB cable
3. Temperature sensor
4. Pressure sensor

Mounting display

Turn the rotary control back until the air supply is completely interrupted.



Drill a big enough hole for the Connector gland.



Mounting display

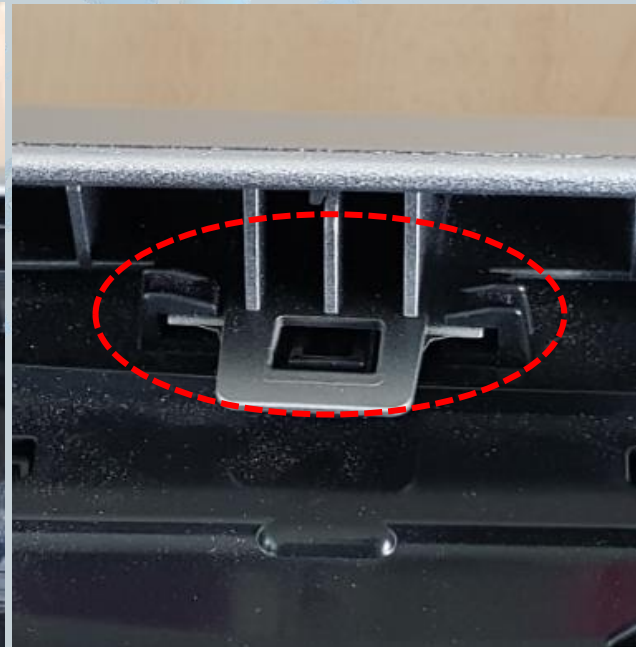
Connect the plug to the display,
position the clip on the left and place the display in the ventilation unit.
Insert the right side first.



Mounting display

Place the ventilation unit in the interior trim. The bottom side first.

Pay special attention to the position of the middle attachment points.



Connection of the Datadisplay

Loosen the panel under the glove compartment. This is fastened with two screws.



Connection of the Datadisplay

Loosen the two plugs.



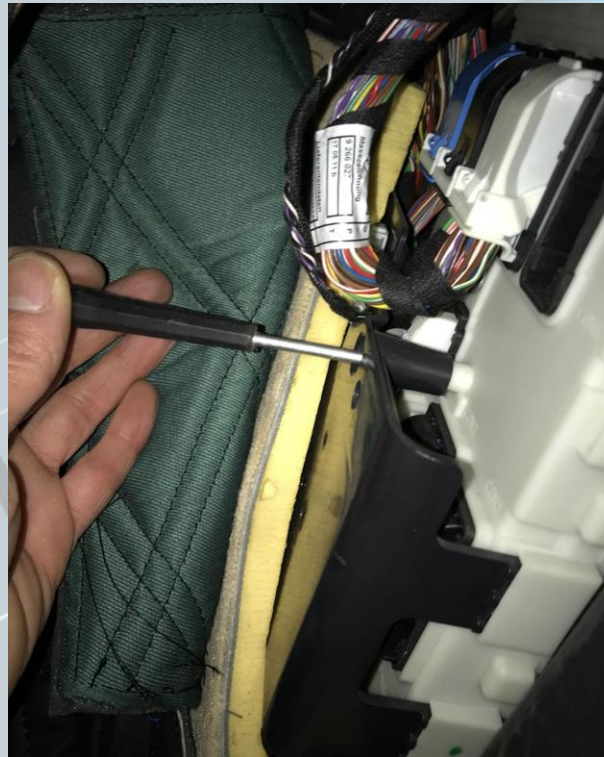
Connection of the Datadisplay

Remove the door sill and the side panel.



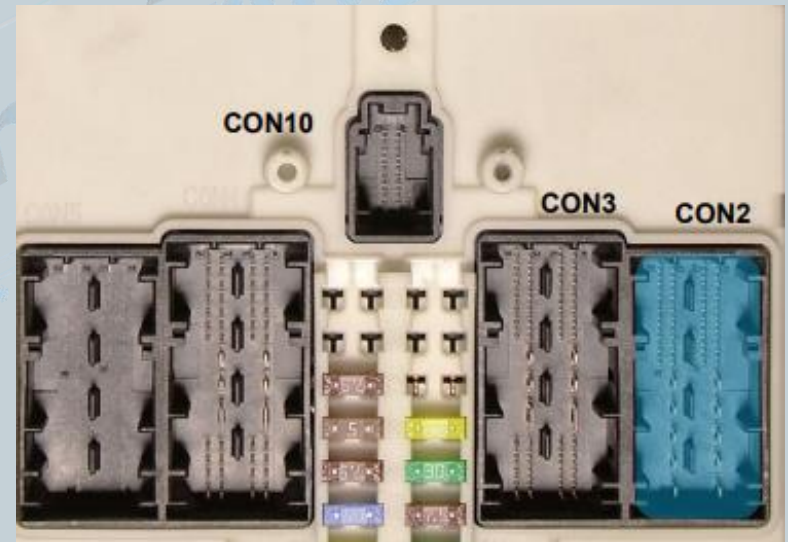
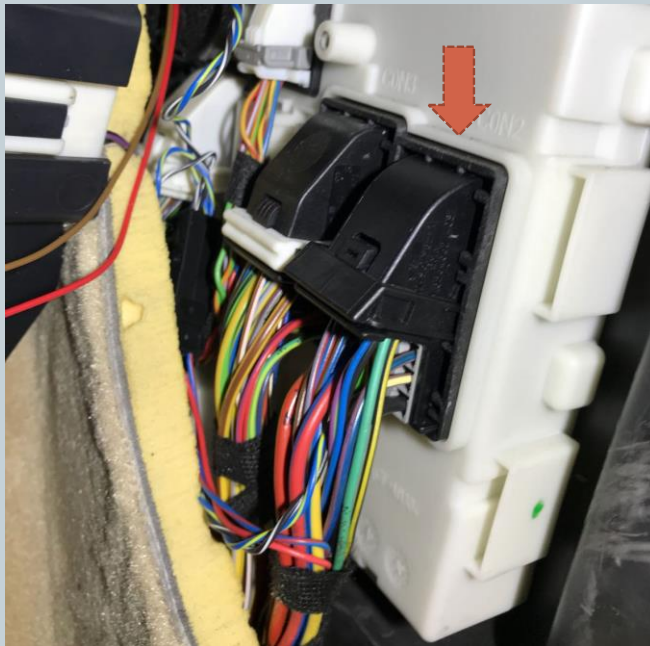
Connection of the Datadisplay

Remove side panel and loosen the cover (Torx T25).



Connection of the Datadisplay

Release the connector CON2. In doing so, fold the locking clip on the plug upwards.



Connection of the Datadisplay

Pull the plug out of the housing plug. The housing is locked on both sides (marked in red).

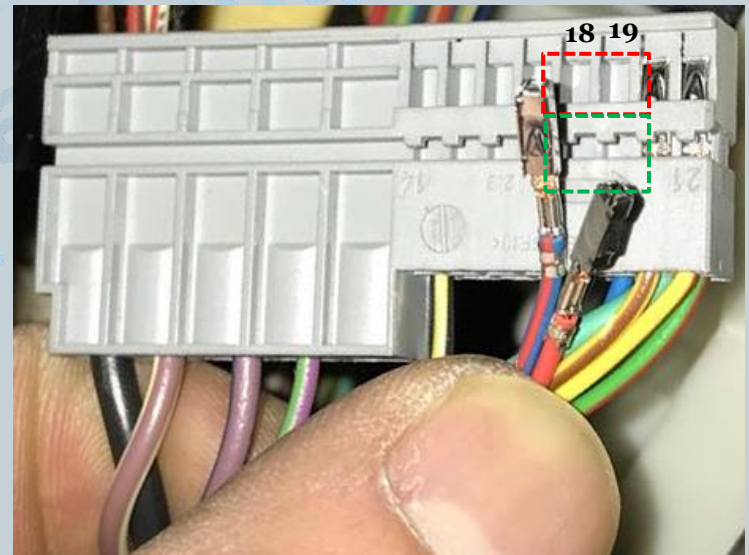
Disconnect the CAN cable (blue / red and red is twisted).

Blue / red = CAN-High = pin 19

red = CAN low = pin 18



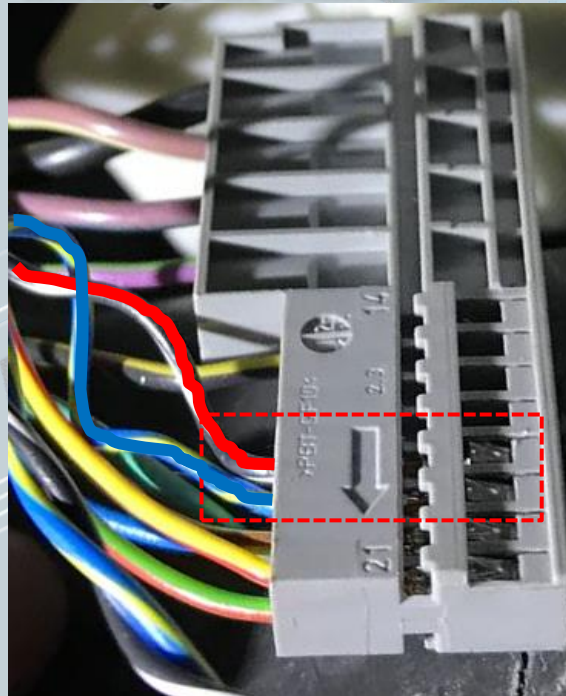
Use a small flat-head screwdriver to press and pull on the side of the pins. First press on the red marked area and pull out, then on the green area. Perform this procedure for each wire individually.



Connection of the Datadisplay



Pin the disconnected CAN line into the connector supplied.
"Blue / red" on Pin_1 and "red" on Pin_3. The numbering is marked on the connector.



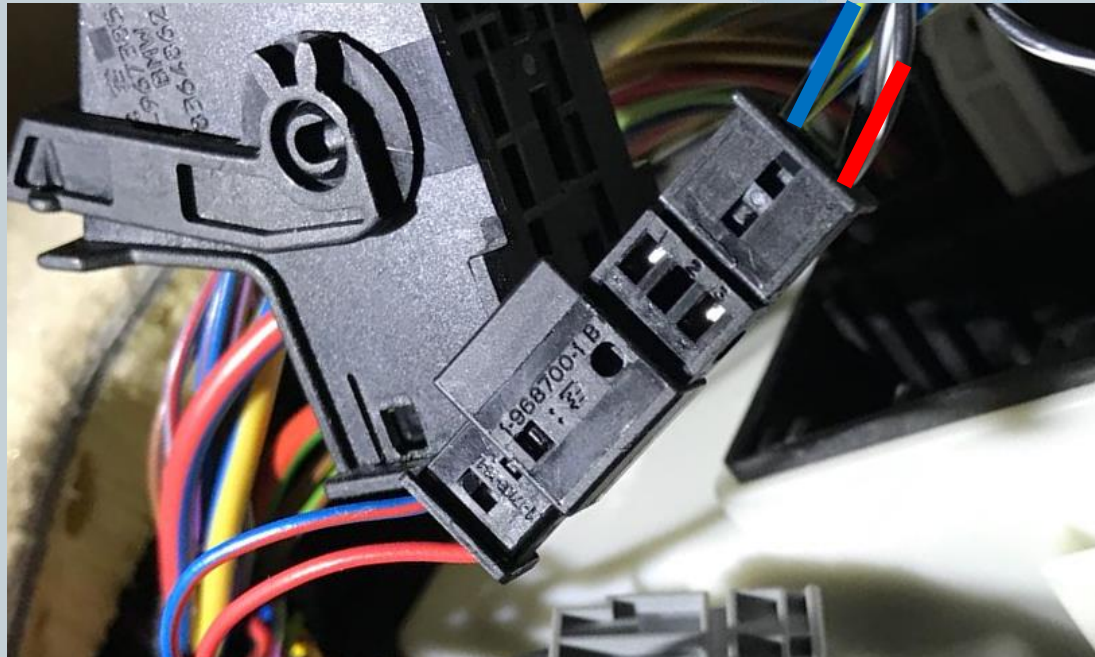
Pin in the supplied CAN line as shown in the picture.

Blue = CAN-High = Pin 19

Red = CAN-Low = Pin 18

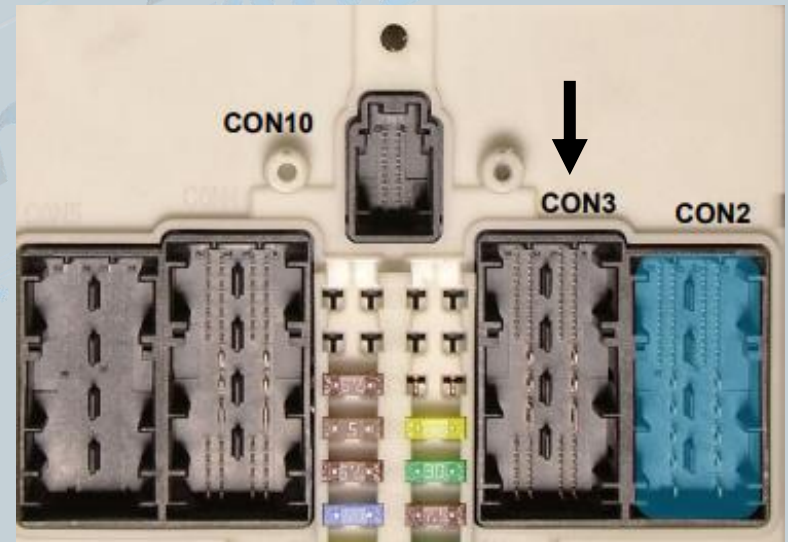
Connection of the Datadisplay

Plug the plugs together. The connector housing can be reassembled and finally reinserted into the controller.



Connection of the Datadisplay

Release the connector CON2. In doing so, fold the locking clip on the plug upwards.

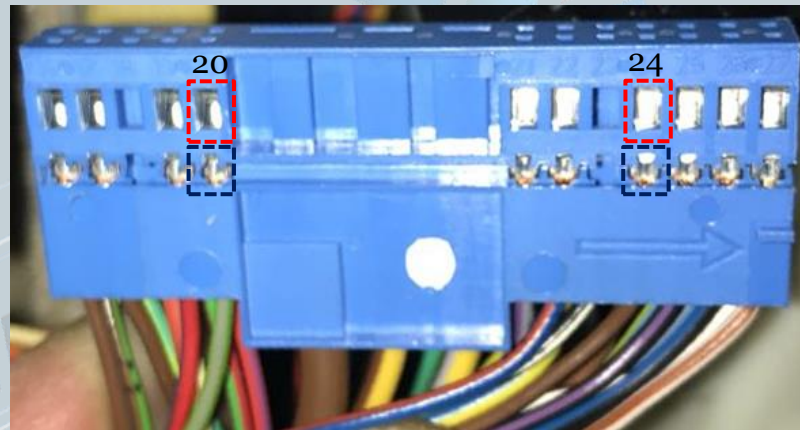


Connection of the Datadisplay

Pull the connector out of the connector housing. Unpin the supply line (black / brown and green / white).

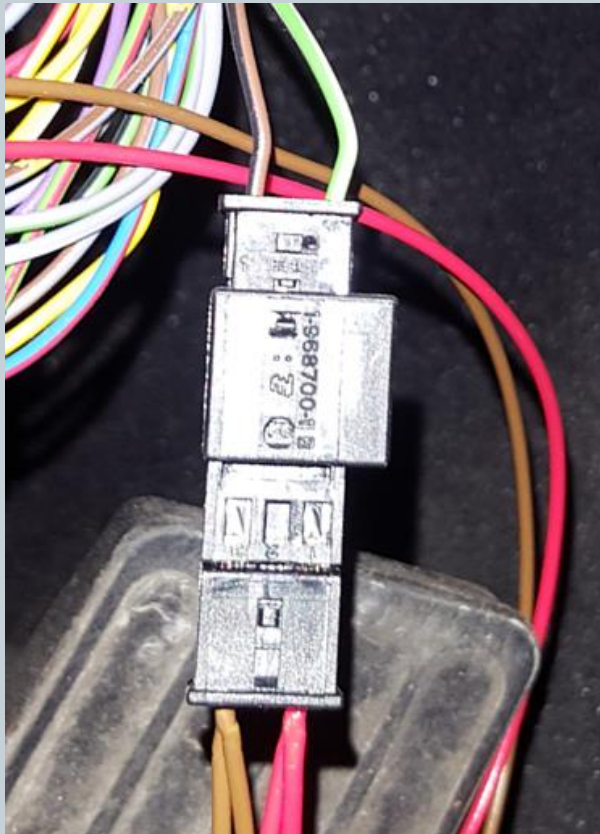
Black / brown = ground = pin 24

Green / gray = + 12V = pin 20



Use a small slotted screwdriver to press the side of the pins and pull. First press on the "red" marked area and pull out, then onto the "black" area. Carry out this process for each wire individually.

Connection of the Datadisplay



Pin the disconnected supply line into the connector supplied. "Green / white" on Pin_1 and "black / brown" on Pin_3. The numbering is marked on the connector.

Pin in the supplied supply line as shown in the picture.

Brown = ground = pin 24 -> black / brown

Red = + 12V = Pin 20 -> green / gray

