



WEngineering



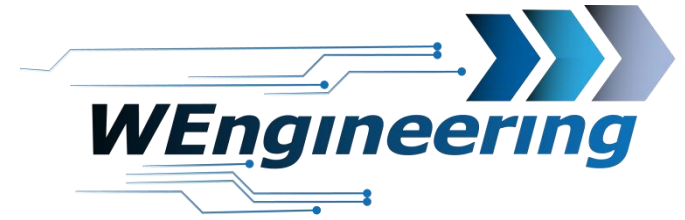
Caution:
Be sure to disconnect the vehicle
battery before installation! Electrical
work should only be performed by
qualified personnel.



Installation instruction DataDisplay BMW 5 series E6x before 2005

Version:V3.0

Datum:01.10.2025



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Dismantling the interior trim

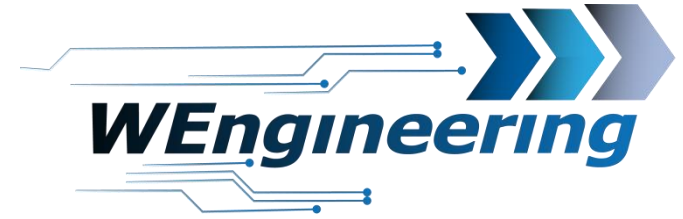
Carefully loosen the interior trim. Beginning from the passenger side.



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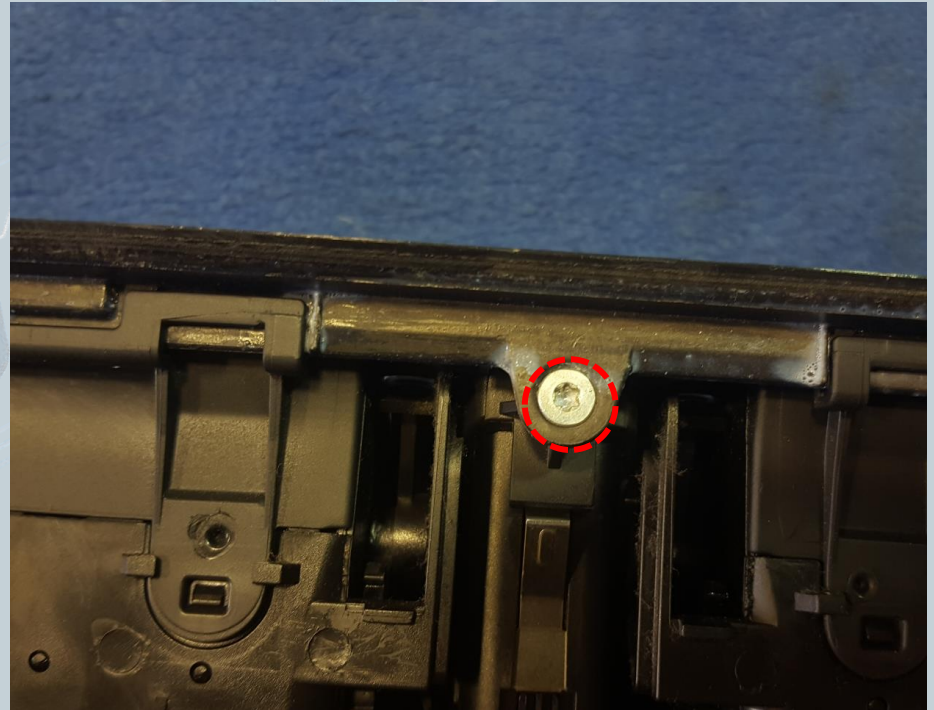
Dismantling the interior trim

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.

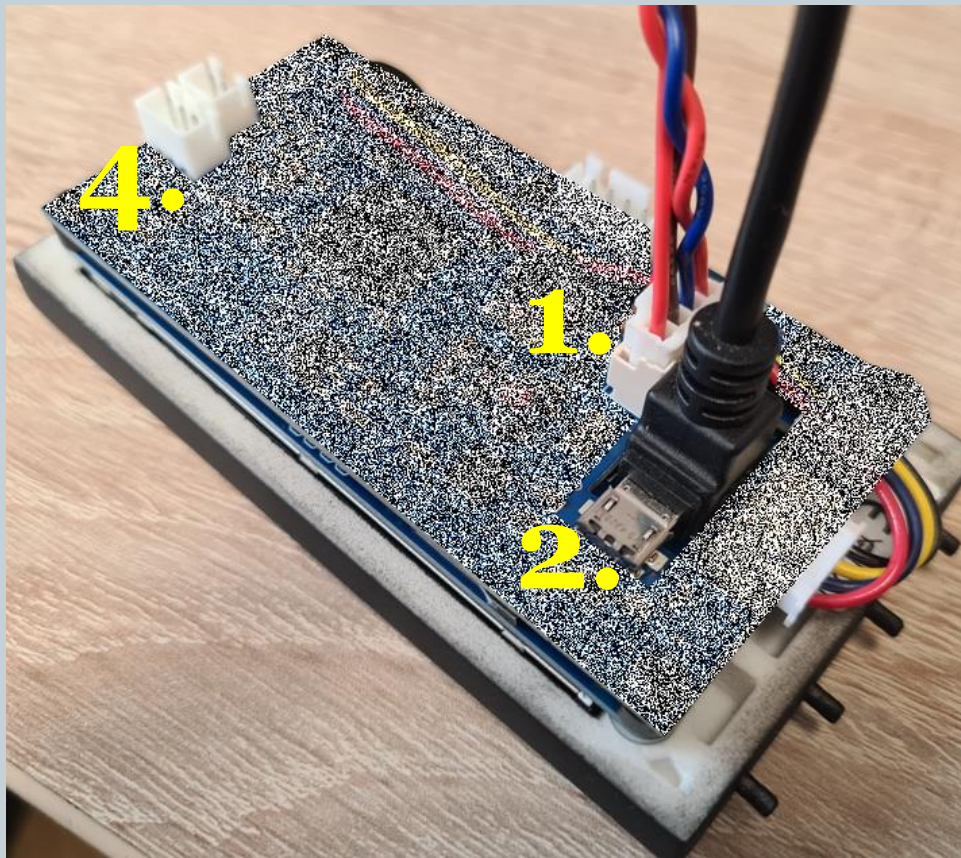


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Mounting display

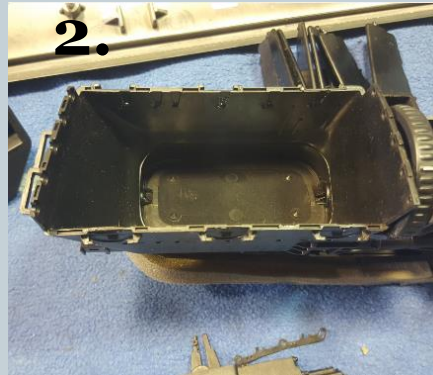
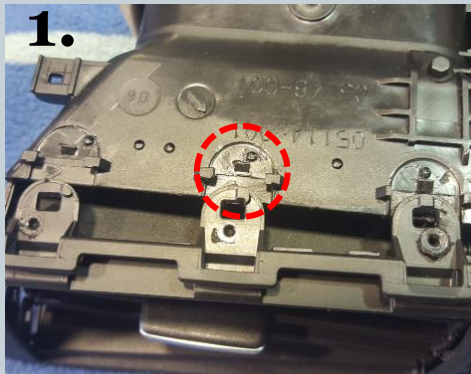


1. DataDisplay main cable (power supply/CAN Bus)
2. 90° Micro USB cable
3. Temperature sensor
4. Pressure sensor

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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.

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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

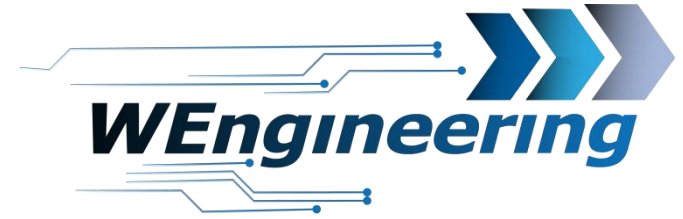
Remove the panel and the glove compartment in the footwell on the passenger side.
Lay the cables in the footwell accordingly.



Installation instruction DataDisplay

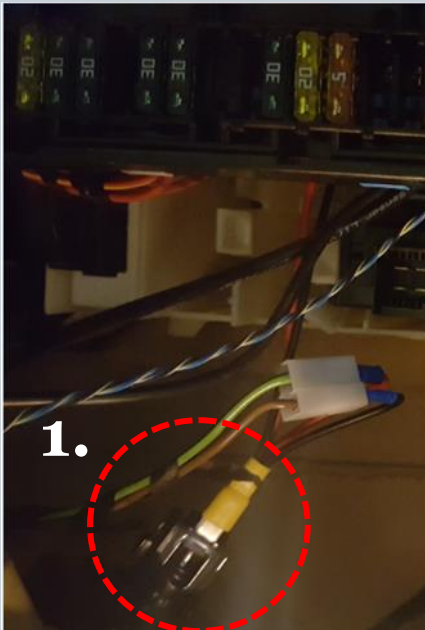
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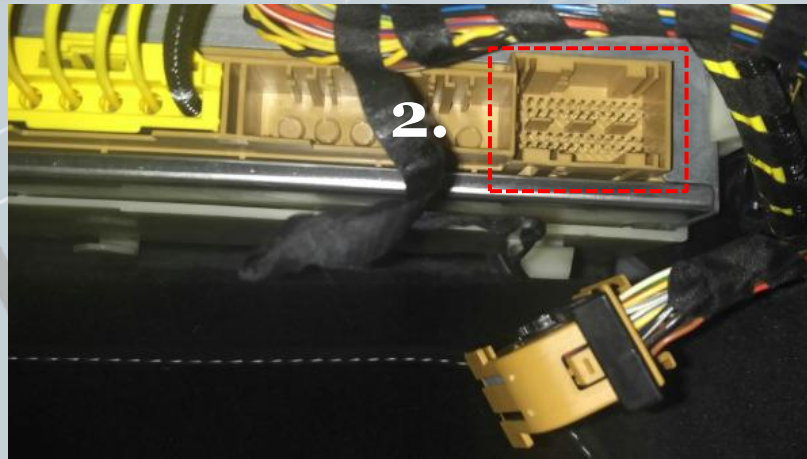
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Connection of DataDisplay



1. The supply for the control unit can be taken from the 12V charging socket.

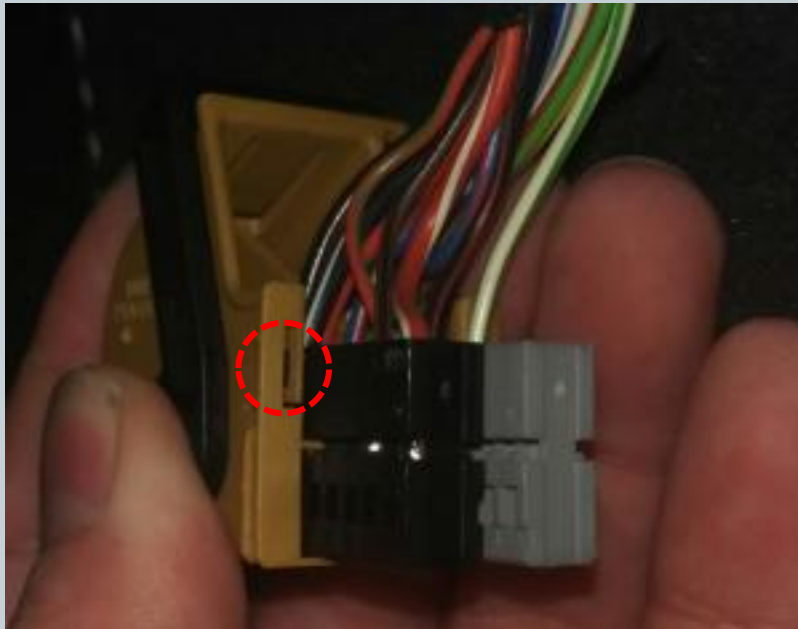
Depending on the equipment, there is one directly in the foot area on the passenger side. If another source of supply voltage is used, pay attention to choosing the correct ground (-) point. The plus (+ 12V) must be switched, e.g. by ignition plus and must be protected with at least 15A.



2. Remove connector

Connection of the control unit

Disconnect the plug and pull out the plug housing. The case is locked on both sides (marked in red).

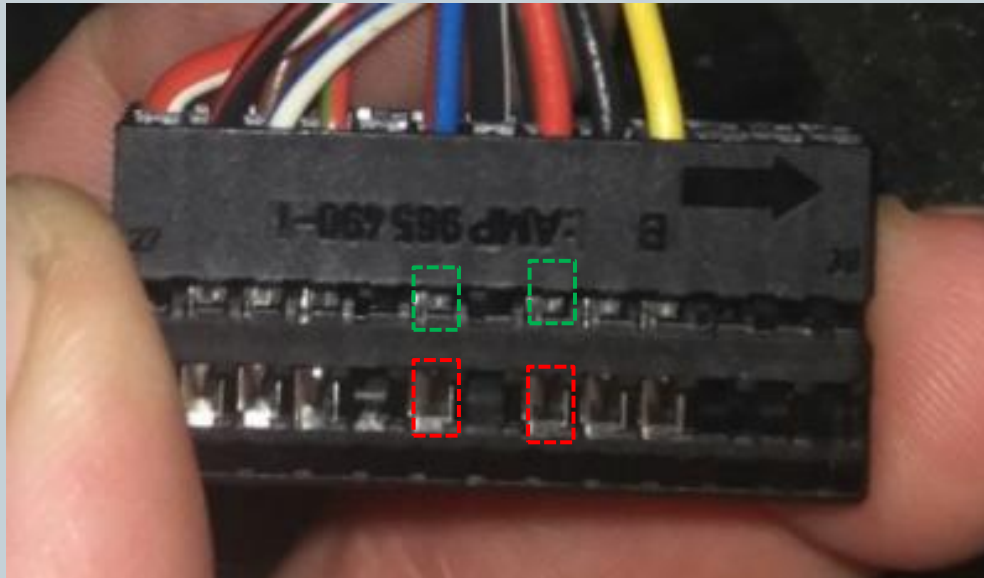


Installation instruction DataDisplay

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Connection of the control unit



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

Blue / red = CAN-High = pin 32
red = CAN low = pin 34

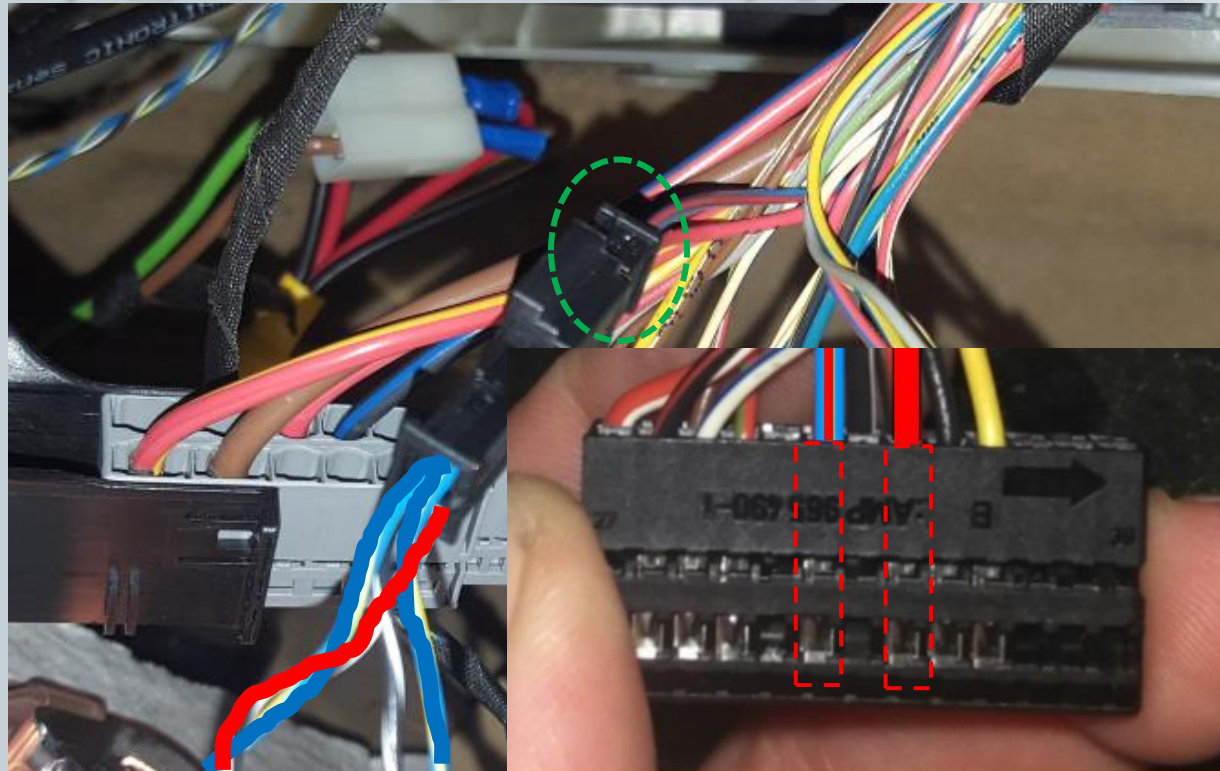
Use a small flat-head screwdriver to press and pull on the pins. Press first on the red marked area and pull out, then on the green area. Perform this procedure for each wire individually.

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Connection of the control unit

Insert the spun CAN cable into the plug provided. Thereby **"blue / red" on pin_1** and **"red" on pin_3**. The numbering is marked on the plug (marked in green)..



Connect the supplied CAN cable as shown in the picture (Highlighted in red).
Blue = CAN-High = pin 32
Red = CAN-Low = pin 34

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Connection of DataDisplay

Loosen the screws for the climate control panel and lift it forward along with the cover. Disconnect the connectors behind the climate control panel.



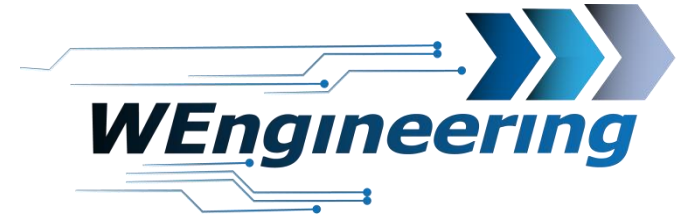
The trim of the switch center in the center console must be unclipped on the outside.

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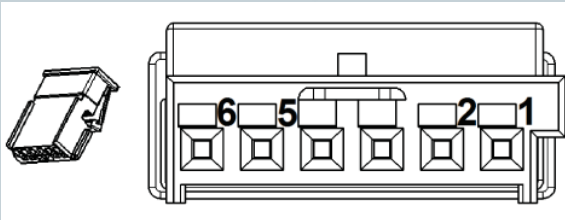
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Connection of DataDisplay

There is a power supply cable on the left and right sides of the SZM.

SZM Pin 1 = Red/Violet = +12V Kl30G -> Data display Pin 1 = Red = +12V

SZM Pin 2 = Brown/Black = Ground/GND -> Data display Pin 3 = Brown = GND



1. Open the lock on the 6-pin tractor connector.
2. First, disconnect pin 1 of the tractor connector. To do this, press a sufficiently small screwdriver into the designated opening from the front.
3. Connect the red cable from the data display harness to pin 1 of the tractor connector.
4. Connect the red/violet cable to pin 1 of the supplied 3-pin connector.
5. Connect out pin 2 of the tractor connector.
6. Connect the brown cable from the data display harness to pin 2 of the tractor connector.
7. Connect the brown/black cable from the tractor to pin 3 of the supplied 3-pin connector.

Connection of DataDisplay

Plug the two plugs together.

SZM Pin1 = Red/Violet = +12V Kl30G -> DataDisplay Pin1 = Red = +12V

SZM Pin2 = Brown/Black = Ground/GND -> DataDisplay Pin3 = Brown = GND



The pictures are from an LCI model. The tractor connector on the VFL has 6 pins!