



WEngineering



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

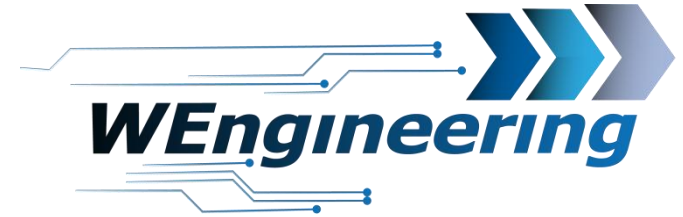


Data Display Installation Instructions

BMW X5 X6 M5 M6 F15 F16 F85

Version: V3.0

Date: May 26, 2026



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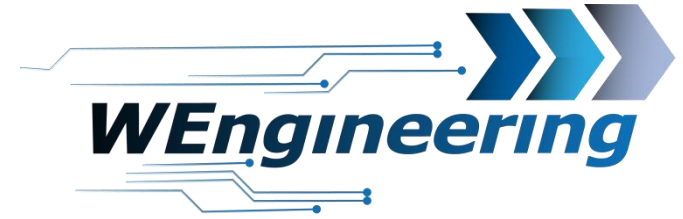


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Removing the interior trim

Carefully loosen the trim. The trim is simply snapped into place, there are no screws.



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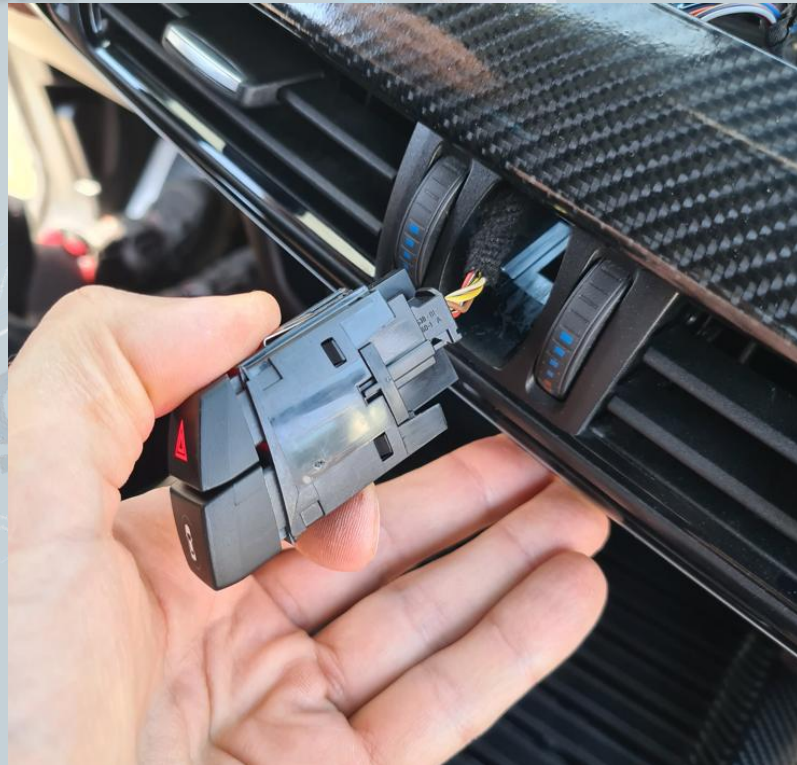
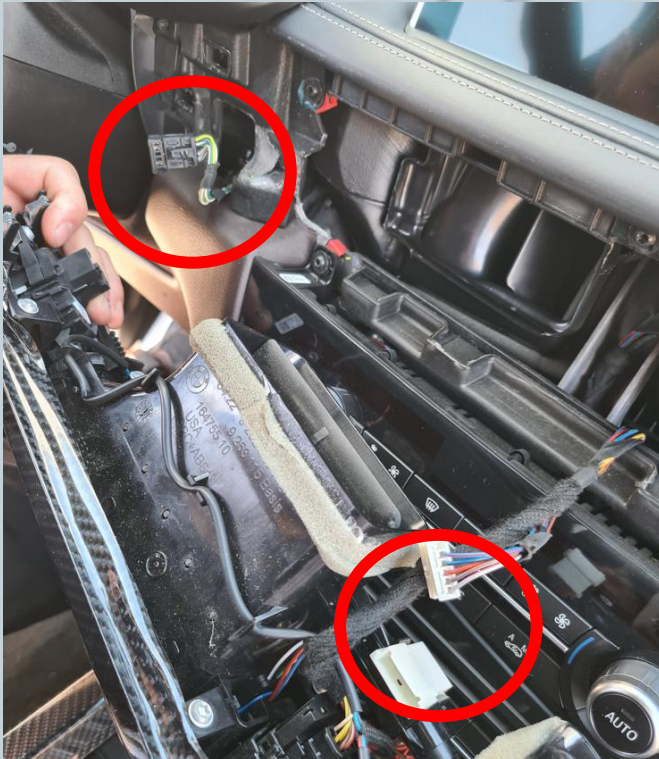
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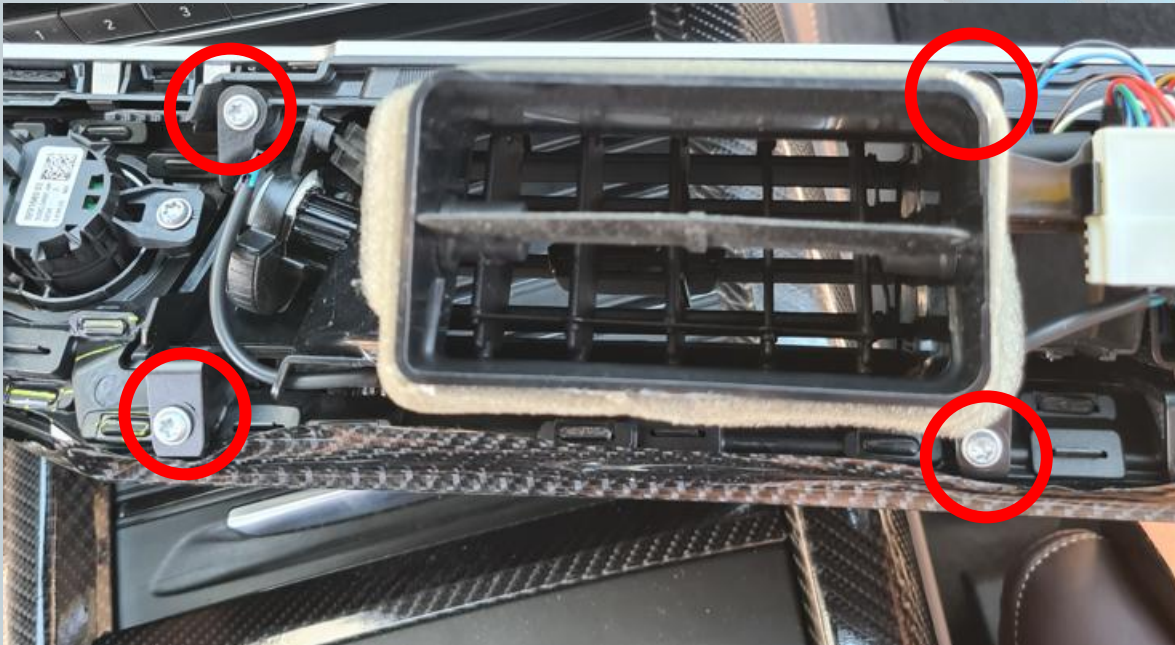
Removing the interior trim

Pay attention to the plug connections.



Removing the Fresh Air Grill

Loosen the Torx T20 screws.



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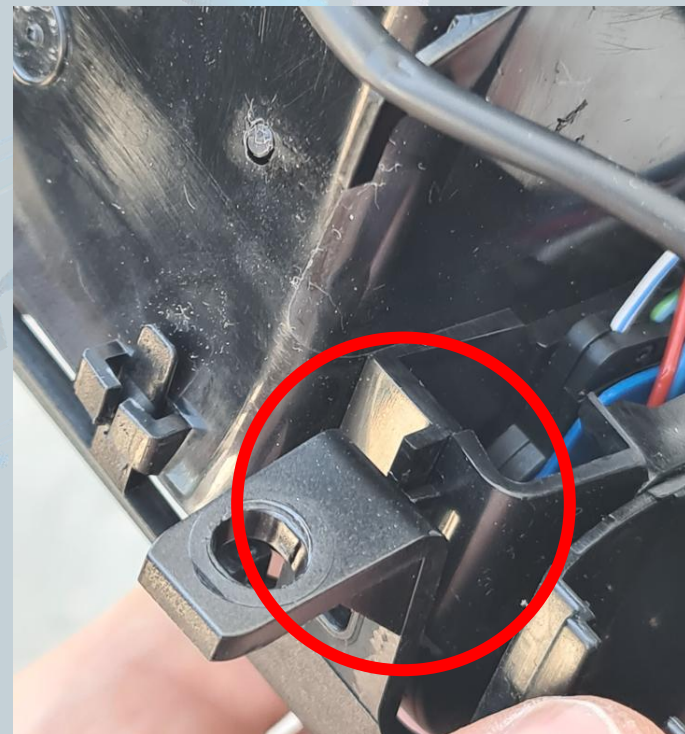
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Removing the Fresh Air Grill

Detach the ventilation unit from the front cover, starting at the top.



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Display Installation

Remove all the louvers from the left ventilation unit and drill a slotted hole at the bottom for the cables.

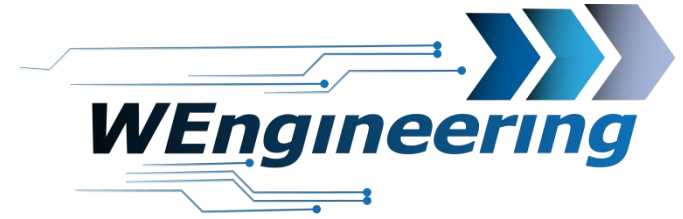


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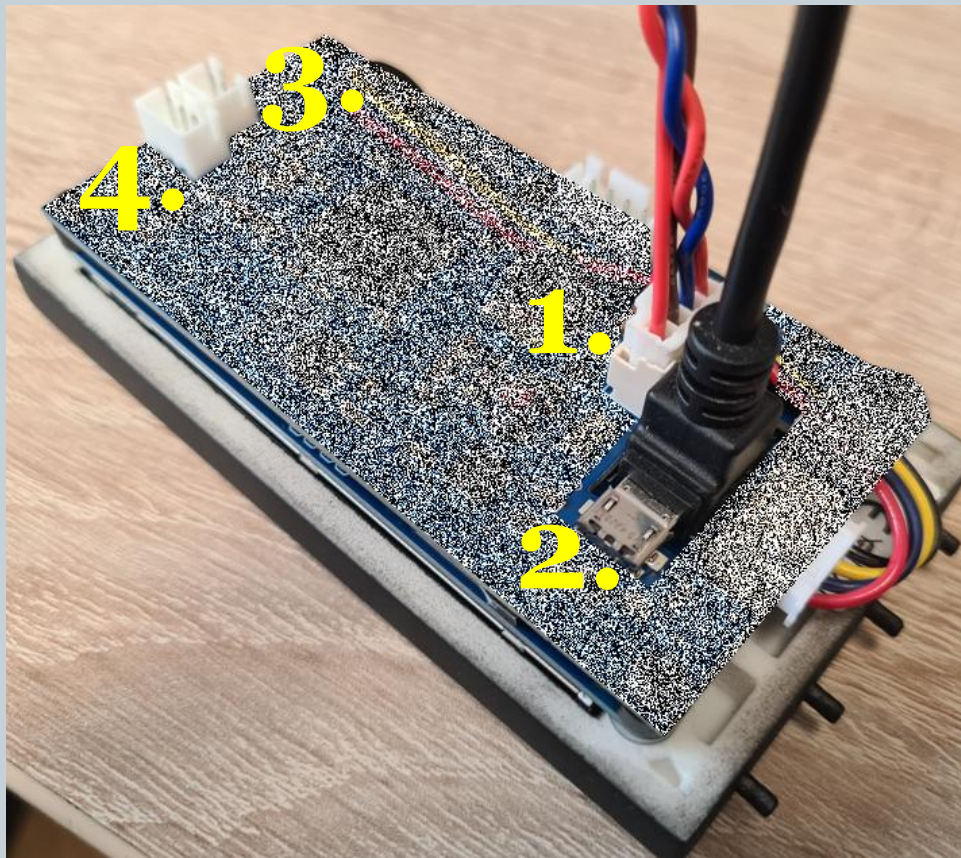
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Display Installation



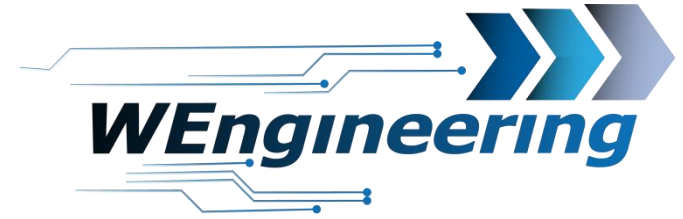
1. Data Display Main Cable (Power/CAN Bus)
2. 90° Micro USB Cable
3. Temperature Sensor
4. Pressure sensor

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Display Installation

Connect the two connectors (main connector and USB) to the display. Insert the display into the ventilation unit. Insert the right side first.



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Display Installation

Reinsert the front cover into the ventilation unit. Start with the bottom side.

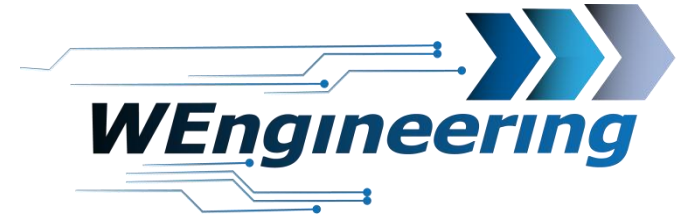


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Connecting the data display

Loosen the trim panel under the glove compartment. It is secured with screws at three points.

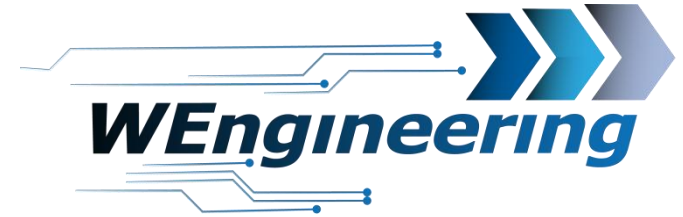


Data Display Installation Instructions

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Connecting the data display

Remove the door sill and the side panel.

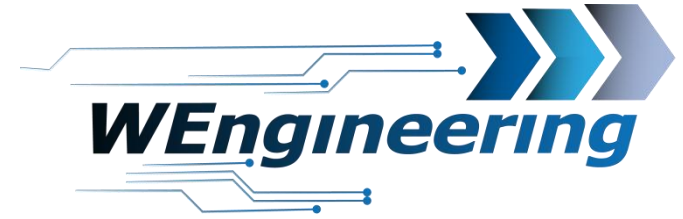


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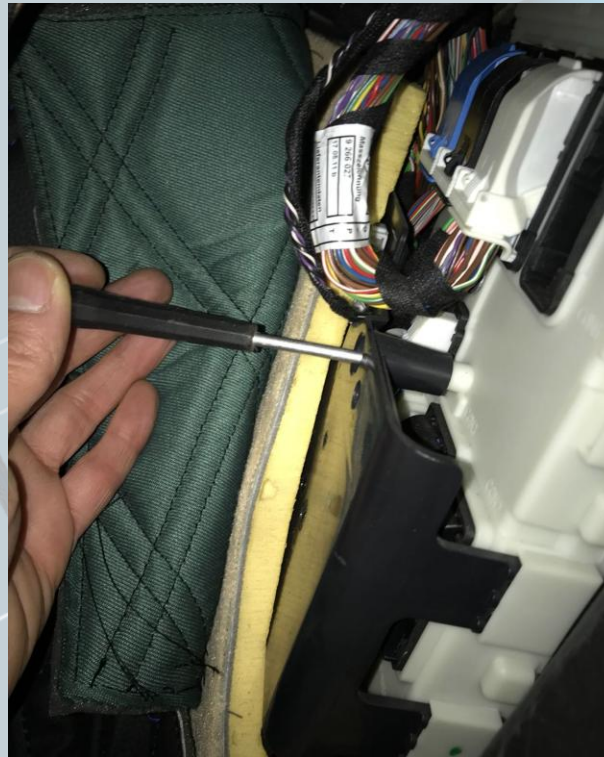
Date: May 26, 2026



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Connecting the data display

Remove the side panel and unscrew the cover (Torx T20).

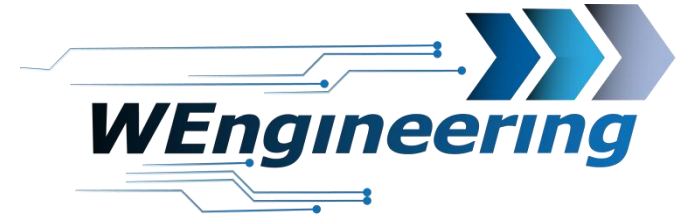


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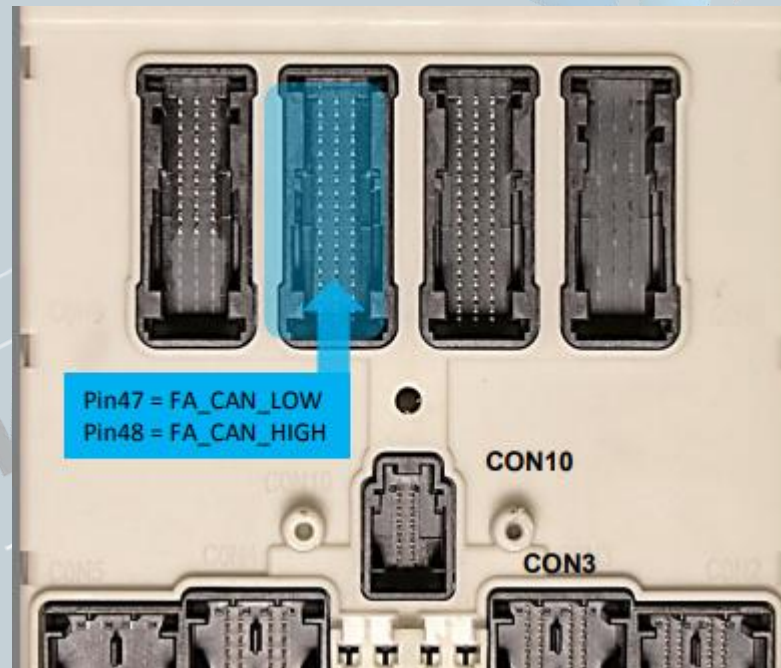
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Connecting the Data Display

Disconnect the CON8 connector. To do this, flip the locking tab on the connector upward.

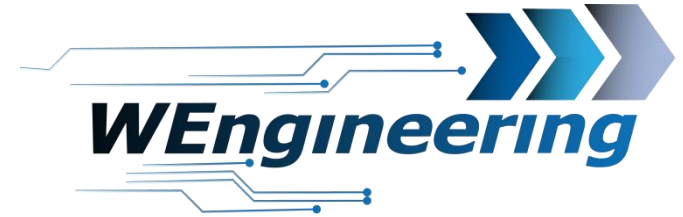


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Connecting the Data Display

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

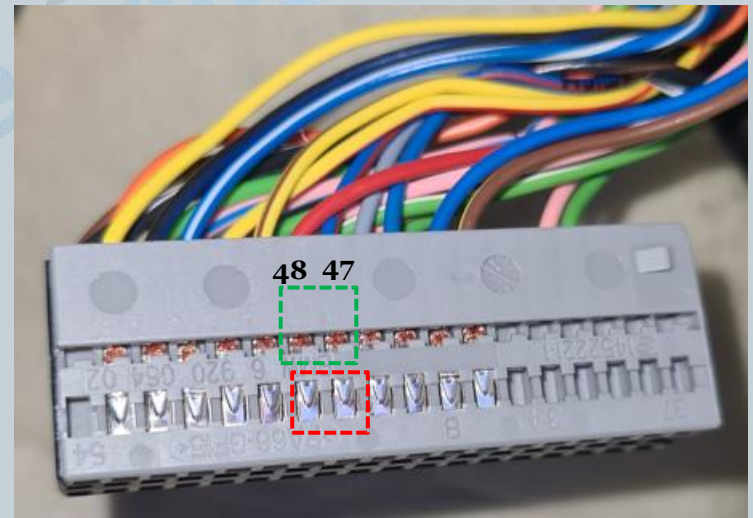
Unpin the CAN cable (blue/red and red are **twisted together**).

Blue/red = CAN-Low = Pin 47

Red = CAN-High = Pin 48



Use a small flathead screwdriver to press and pull on the pins from the side. First, press on the area marked in red and pull it out, then press on the green area. Repeat this process for each wire individually.



Data Display Installation Instructions

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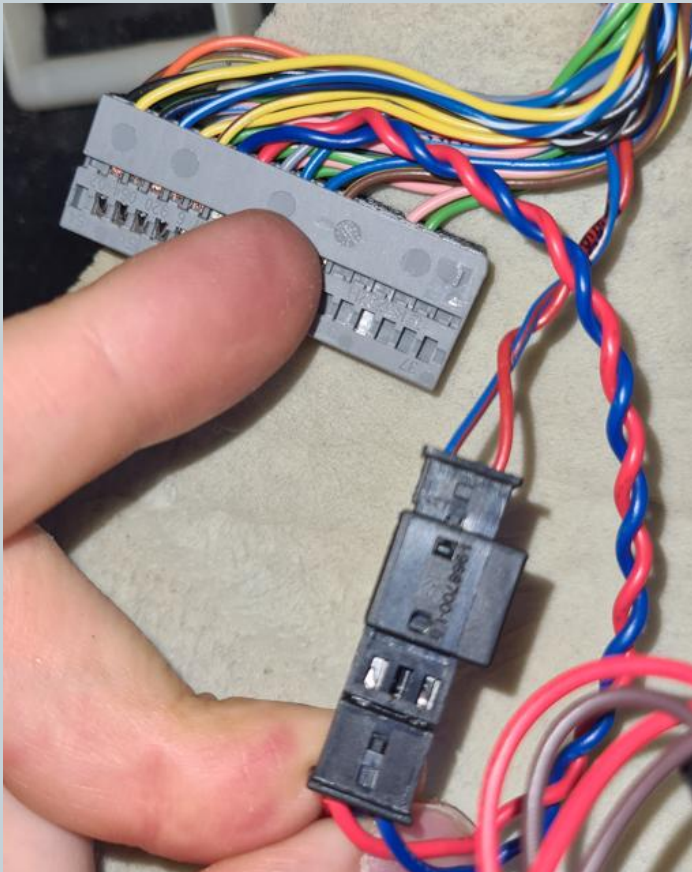
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Connecting the Data Display



Plug the stripped CAN cable into the supplied connector. Connect “red” to **Pin_1** and “blue/red” to **Pin_3**. The pin numbers are marked on the connector.

Pin the supplied CAN cable as shown in the image.

Blue = CAN-High = Pin 48

Red = CAN-Low = Pin 47

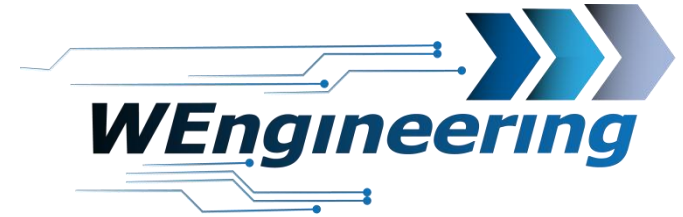
ATTENTION: On this model, the colors of the vehicle CAN cable are reversed compared to the colors of the display wiring harness. Make sure that the wiring matches the image exactly!

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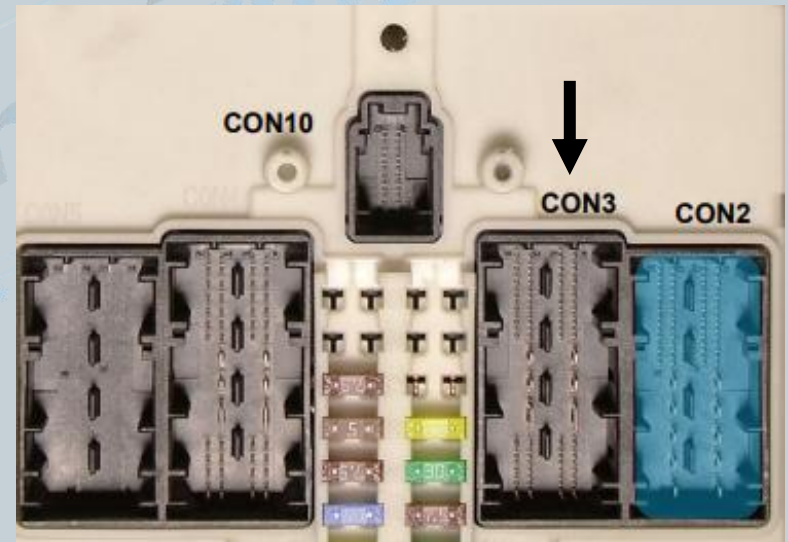
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Connecting the data display

Disconnect the CON3 connector. To do this, flip the locking tab on the connector upward.



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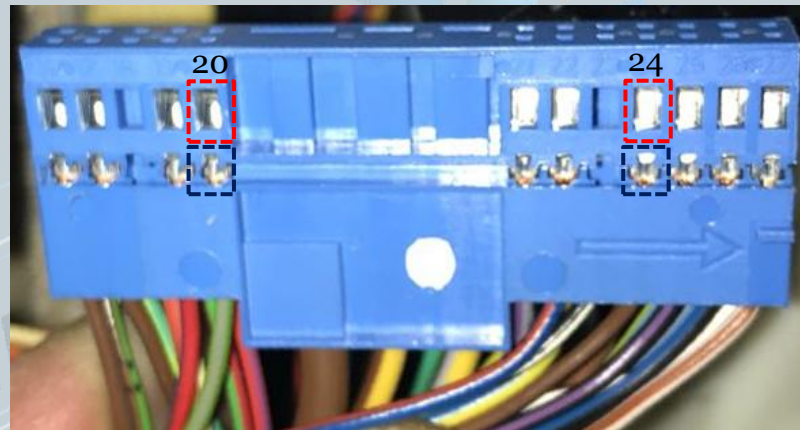
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Connecting the data display

Pull the connector out of the connector housing. Disconnect the power supply wires (black/brown and green/white).

Black/brown = Ground = Pin 24

Green/gray = +12V = Pin 20



Use a small flathead screwdriver to press and pull on the pins from the side. First press on the area marked “red” and pull it out, then press on the “black” area. Perform this procedure for each wire individually.

Data Display Installation Instructions

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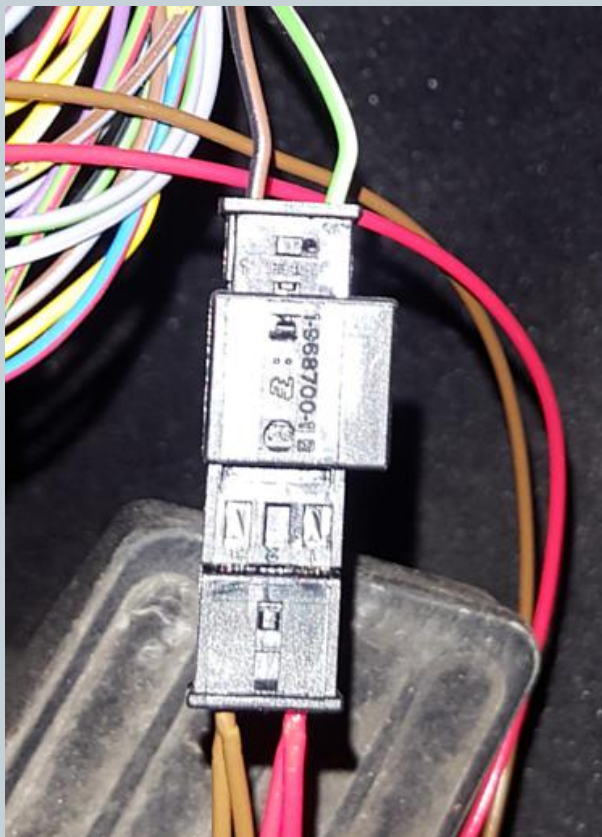
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Connecting the Data Display



Plug the stripped supply cable into the supplied connector. Connect “green/white” to **Pin_1** and “black/brown” to **Pin_3**. The pin numbers are marked on the connector. Plug in the supplied power cable as shown in the image. Brown = Ground = Pin 24 -> black/brown
Red = +12V = Pin 20 -> green/gray

