



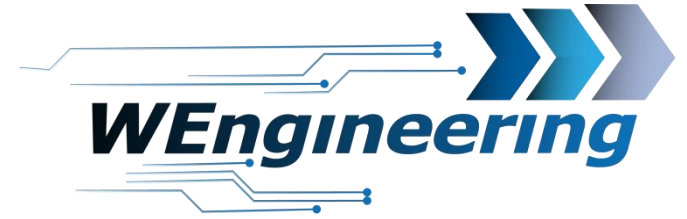
WEngineering

Manual instruction of WIC + Display

BMW F8x

Version:V1.0

Datum:27.12.2017



2



Dismantling the interior trim

Carefully loosen the strip. Starting from the passenger side.



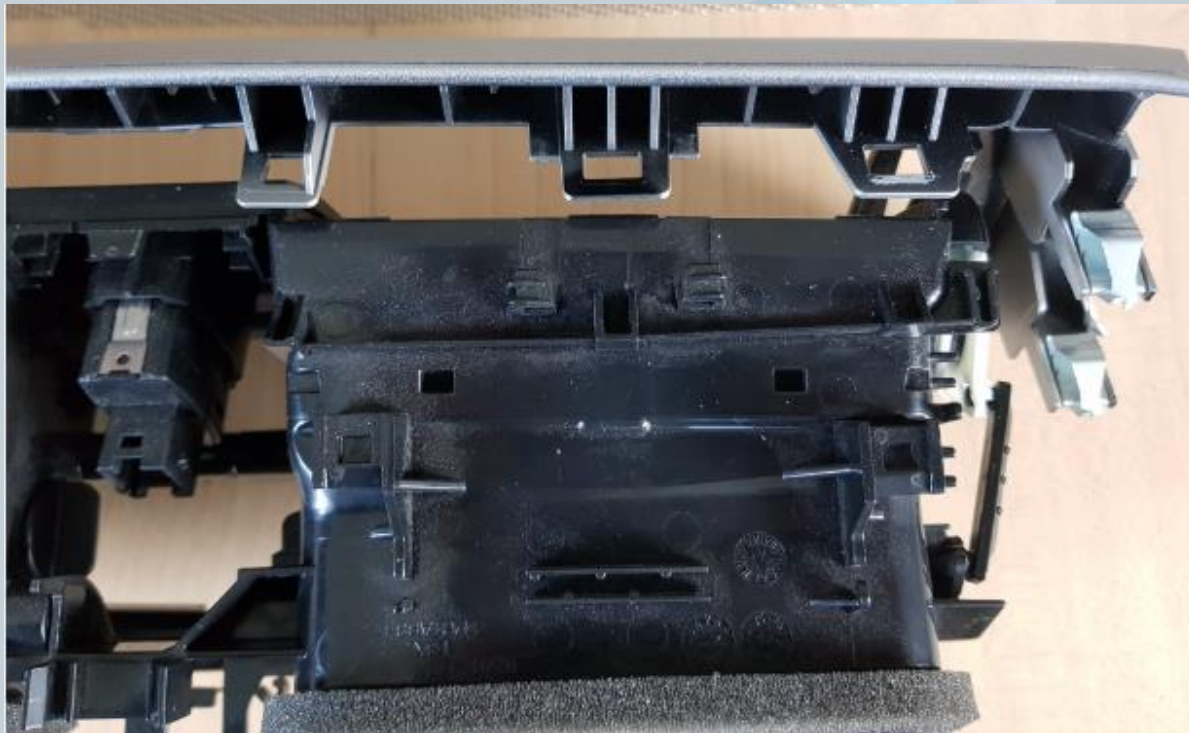
Dismantling the interior trim

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.

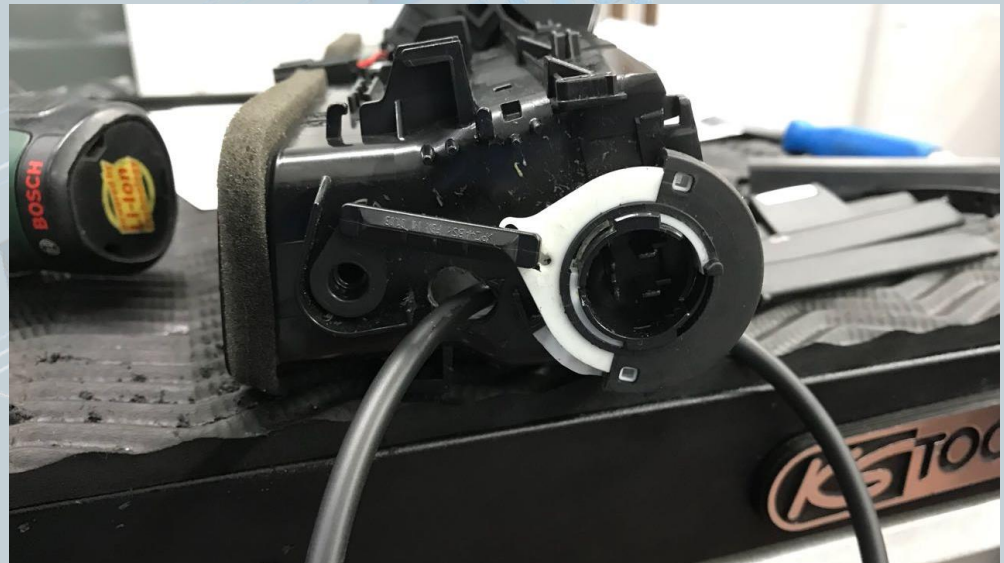


Mounting display

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



Drill a big enough hole for the Connector gland.



Mounting display

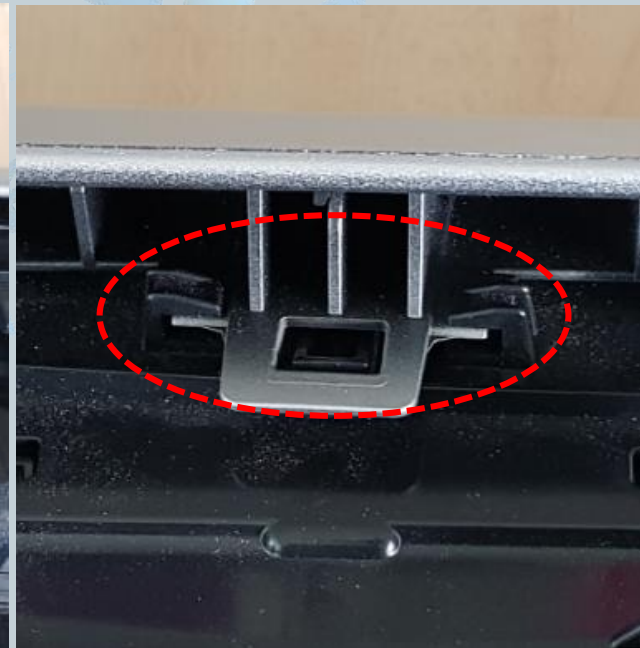
Connect the plug to the display,
position the clip on the left and place the display in the ventilation unit.
Insert the right side first.



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 WIC control unit

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



Connection of the WIC control unit

Loosen the two plugs.



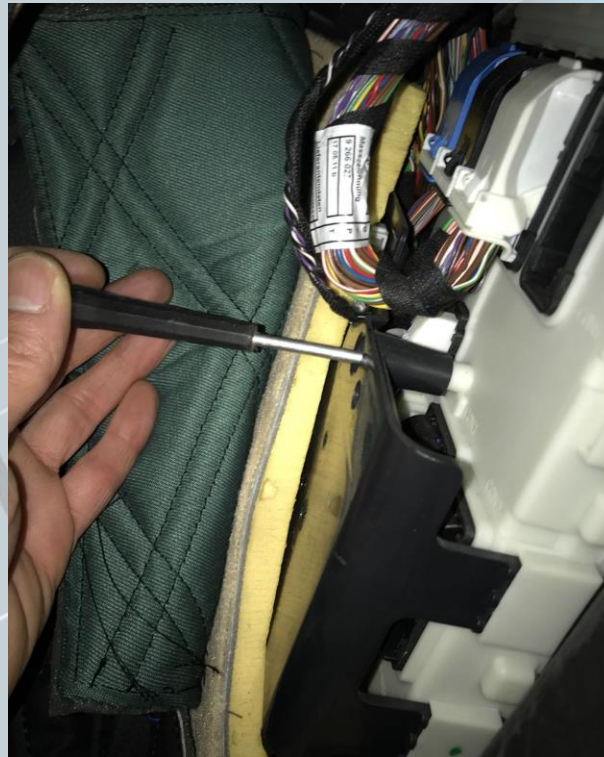
Connection of the WIC control unit

Remove the door sill and the side panel.



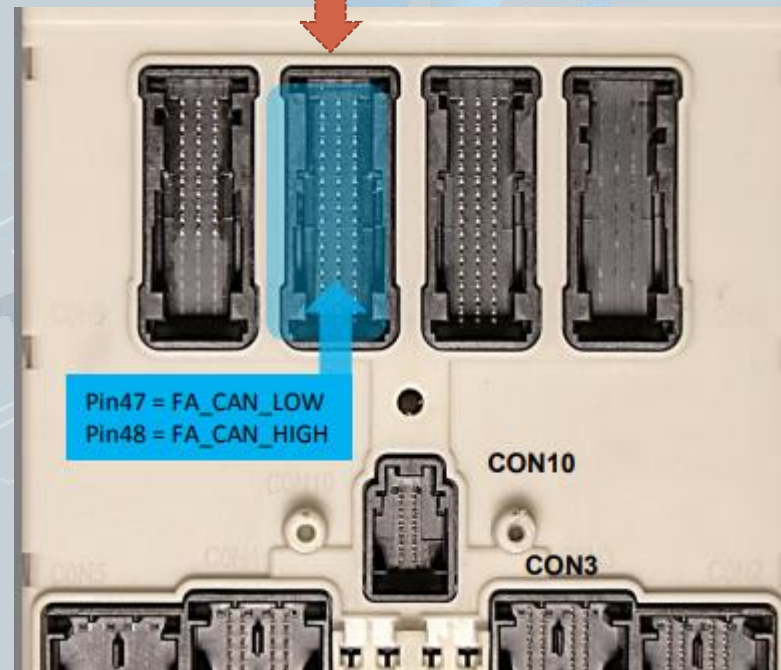
Connection of the WIC control unit

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



Connection of the WIC control unit

Loosen the connector CON8. In doing so, fold the locking clip on the plug upwards.



Connection of the WIC control unit

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

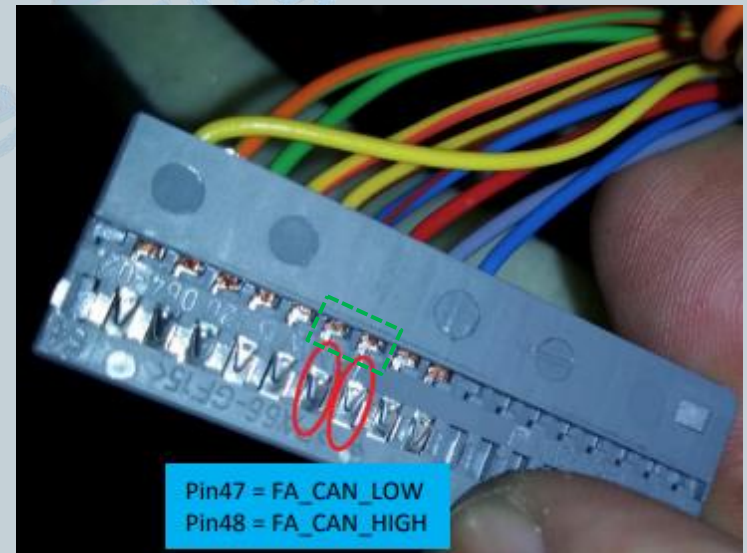
Disconnect the CAN cable (blue / red and red is twisted).

Blue / red = CAN-High = pin 48

red = CAN low = pin 47



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 WIC 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.

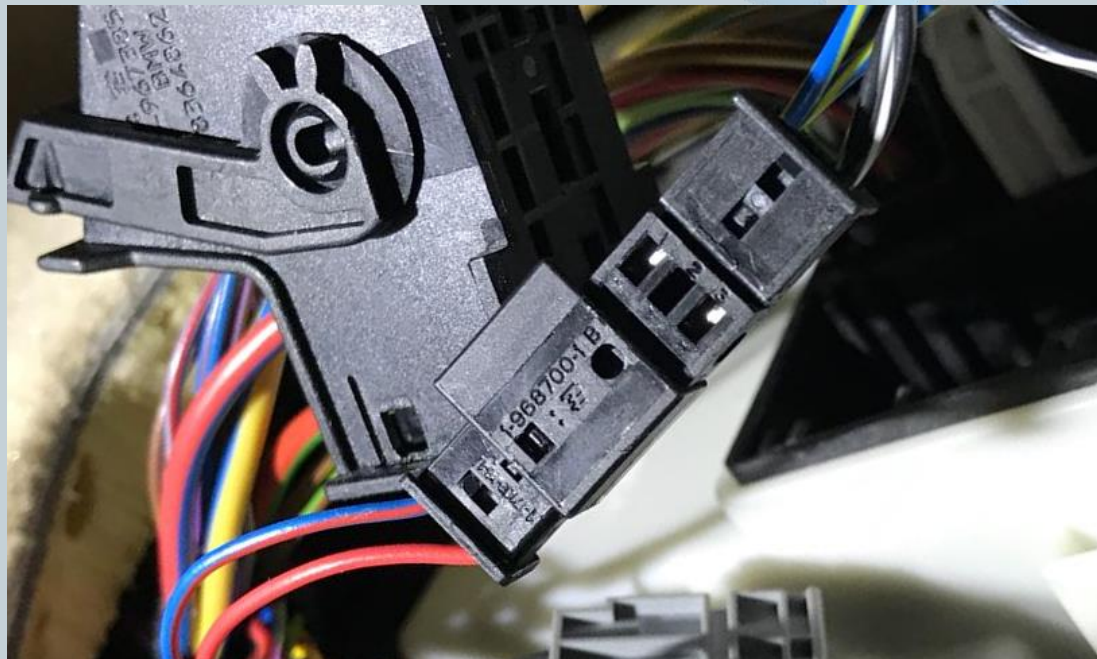
Connect the supplied CAN cable to the CON8 accordingly.

Blue / red = CAN-High = pin 48

Red = CAN-Low = pin 47

Connection of the WIC control unit

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

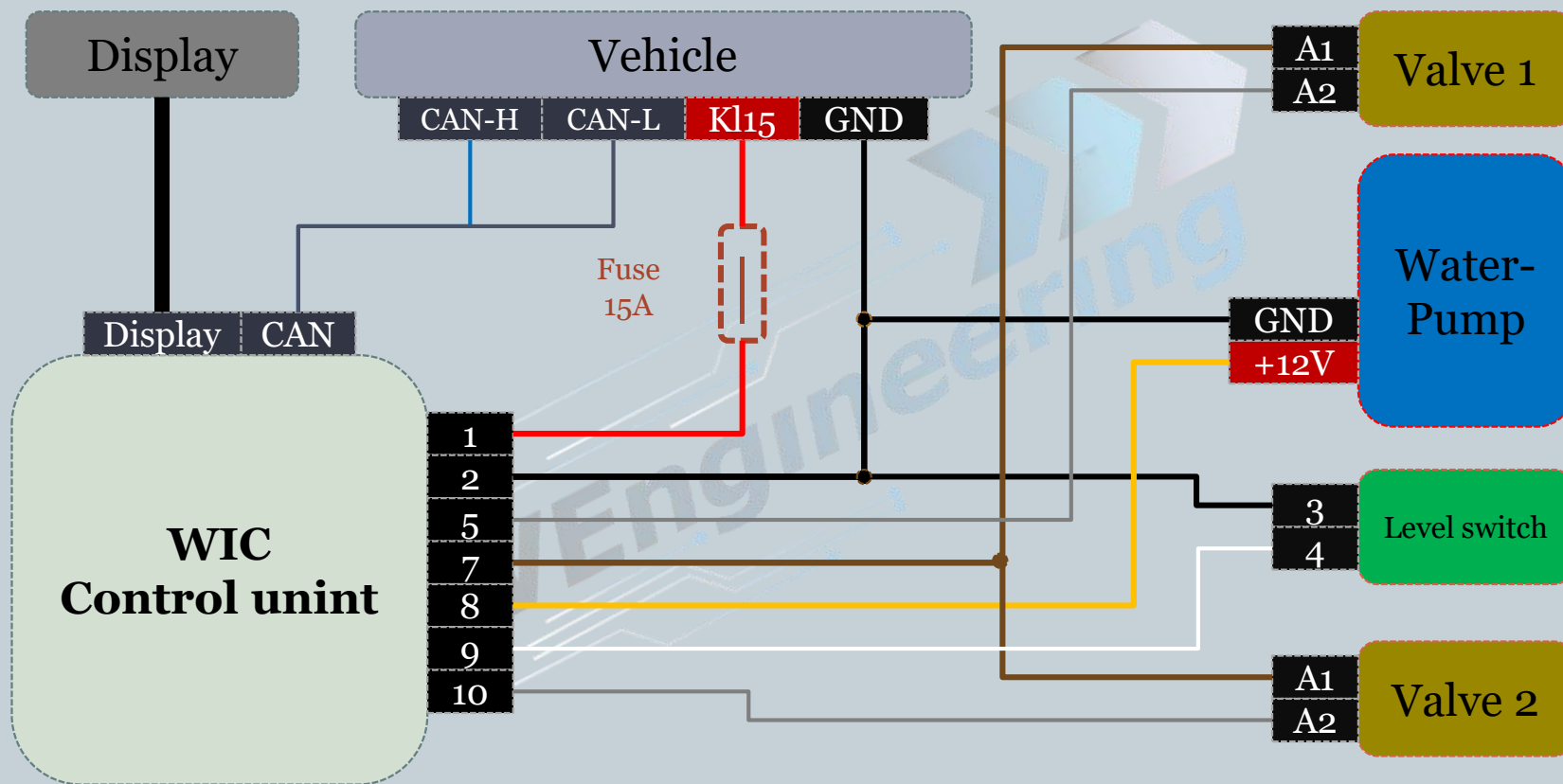


Supply of the WIC control unit



1. The supply for the WIC control unit can be taken from the 12V charging socket in the footwell passenger side. This is already sufficiently secured.
2. The WIC control unit can also be accommodated in the footwell passenger side between the fairing and the glove box.

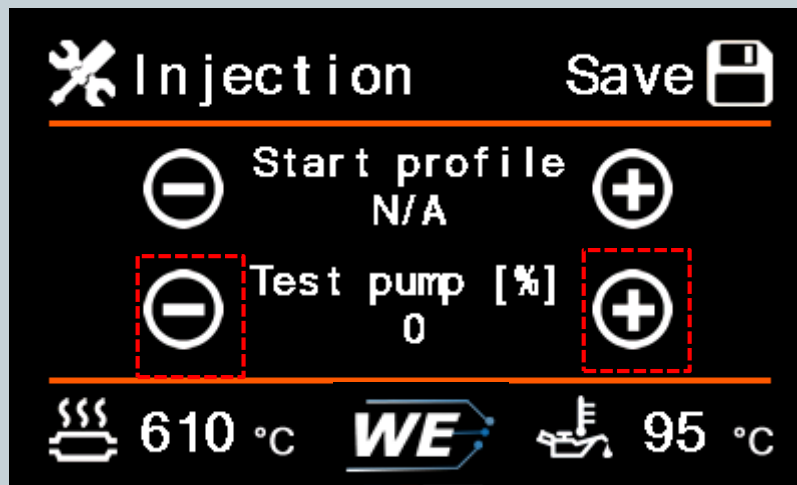
Control unit connection diagram



Attention: Please use switched supply for the control unit!

System Test

1. Screen Functions -> Setup -> Injection

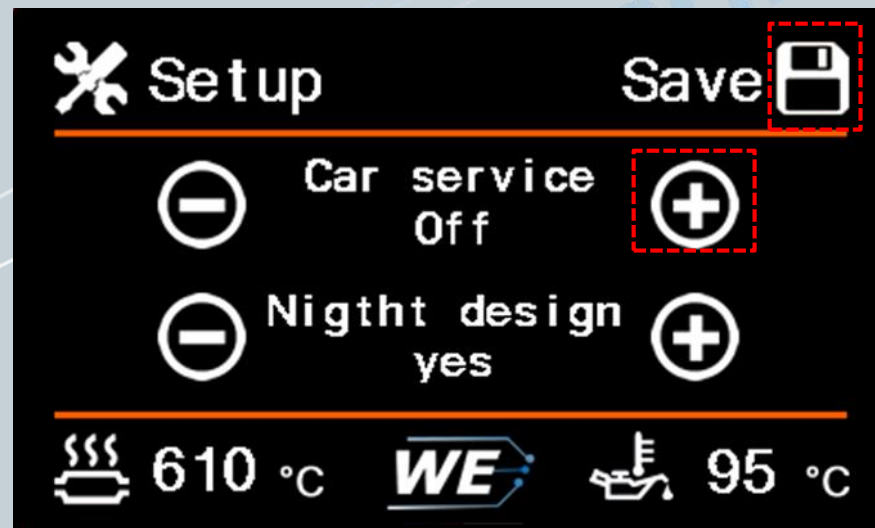


In this menu it is possible to check the functionality of the system and to make sure that the connection of the pump and the valves (if installed) was correct. Please disconnect the pressure line from the injection nozzle first and place the pressure hose in a small container. After activating the test function, liquid should come out of the pressure line.

Each time you press "+", the injection quantity increases by 10%. The pump and the outputs for the valves are activated. The test function will automatically reset the drive to 4s if no further action is taken.

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.



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.



MAF [g/s]:	340	Inject [%]:	65
Boost [bar]:	1,25	G [m/s ²]:	2,35
Lambda:	0,91	Exhaust [°C]:	452
Batt [V]:	14,23	Torque [Nm]:	467
Fuel [bar]:	159	Intake [°C]:	37
Pedal [%]:	27	Lux [%]:	27

 65 °C

WE

 95 °C