

VolvoTech.EU MANUAL



Kind	Installation manual
Title	Installation manual CFE Manual connect
Language	English
Version	1.10
Date	March 17 th 2015
Applicable to	CFE icm with a HU-XXX radio, manual connection
Contents	Manual describes the electronic connection for the CFE with manual connection kit.



Pre requirements

Applicable to:

Canbus Function Extender (Classic or OBD-V1)

Starting points:

All should be working and in good state before starting this installation.

Required tools:

Fishbone tool (or similar)

Torx 20

Towel(s) for panel protection to avoid damages.

Strip tool / small sharp pin.

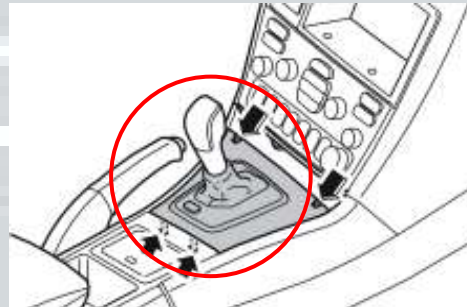
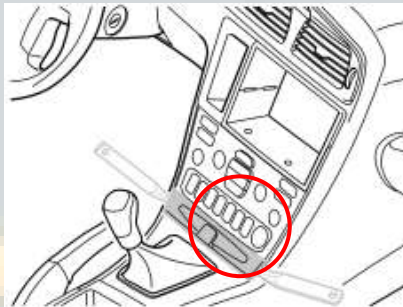


STEP 0 prepare your Volvo:

Remove key from ignition and only put the key back into the ignition once ALL connections are made or all connectors are put back into original position.

STEP 1 Remove pen-holder and gear-shift-cover:

Remove the pen-holder. (Pull it carefully in the direction of the gear-shifter).
Unlock and remove the panel around the gear-shifter by gently but firmly pressing the 4 clips.

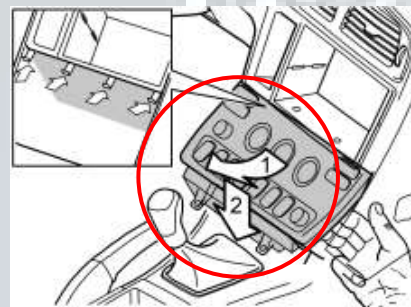
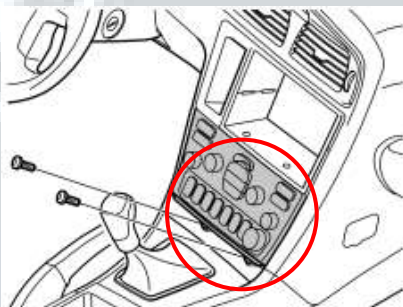


STEP 2 removing climate-control-panel:

Remove the 2 (Torx) screws from the temperature control unit (the lower part of the whole panel) and move the bottom of that panel towards the gear-shifter.
Then remove it carefully by pulling it out.

DO NOT REMOVE ANY CABLES FROM THIS PANEL besides the cigarette lighter connector.

Now put the unit carefully **on a towel** (to avoid damages) on the left side of the tunnel and leave it there.



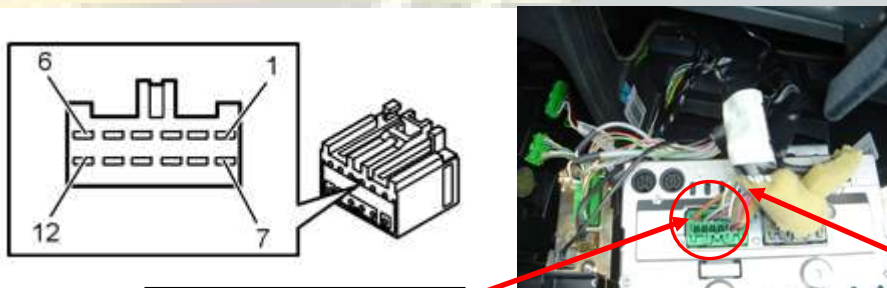


STEP 3 removing HU:

You can now remove the 2 (Torx) screws from the HU frame and remove the HU the same way as you just removed the temperature control unit. Please put the HU carefully (**on a towel again!**) on the gear-shifter.

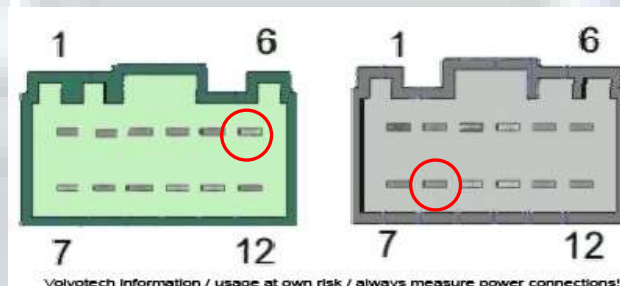


STEP 4 –Connections:



Pin 12 = 12V- = **BROWN** Wire

Pin 1 = 12V+ = **RED**



Connect:

- Red to Pin 1 (red on connector)**
- Black to Pin 12 (brown on connector)**
- White to 7 (white on connector)**
- Green to 8 (green on connector)**



Step 5 Finalizing:

Now just put anything back to its original place. Still be careful not to scratch things please.

Remove towels used only once totally done.

FAQ:

Q: My Volvo displays the message 'Battery low' what should I do?

A: Please start your car and leave it running for a while. (Battery was being drained by use of radio and lights during installation.)

Q: Where to put the CFE?

A: In glove compartment, below the shift-lever panel or any other place you feel comfortable and length will allow. Most common is glove-compartment.

Connection support.

To connect to an existing wire without cutting it, we suggest the following procedure:



Strip wire app 5 mm



Insert a pinny-sharp object and split the wires



So you end up with an " eye " in the centre



directly.

Insert the connecting wire, twist and solder or tape