

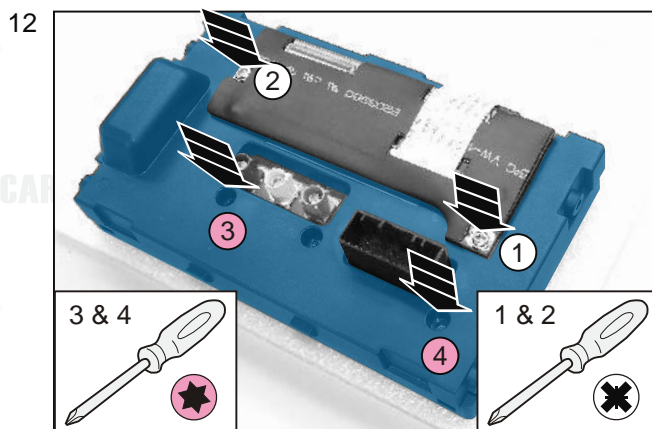
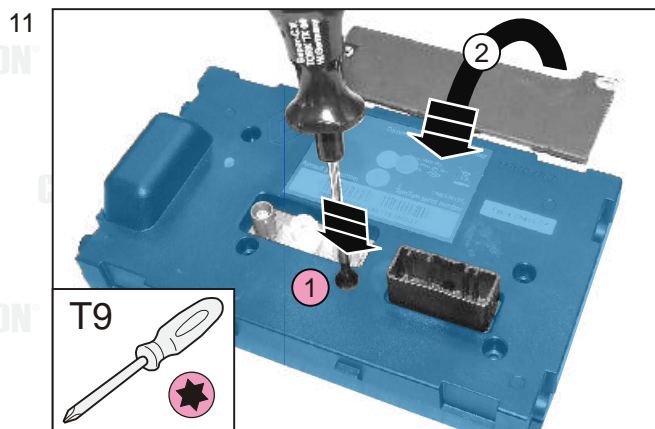
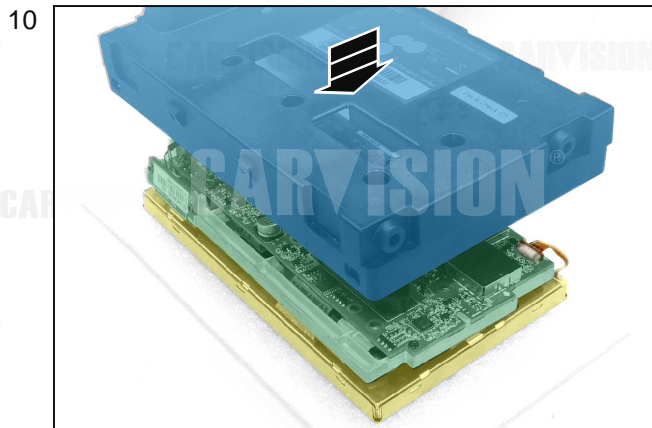
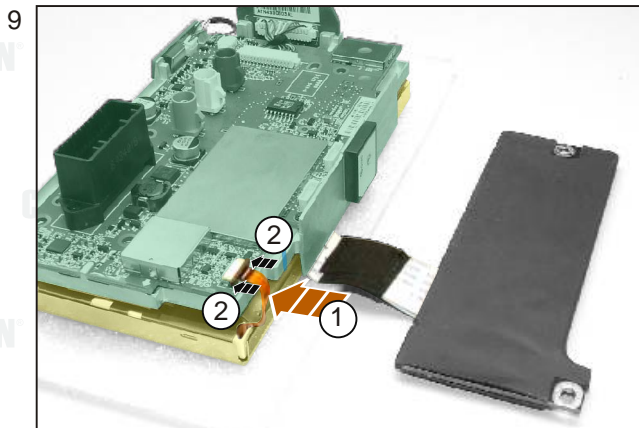


TOMTOM navigationboard 2010



TOMTOM navigationboard 2011





Use two fingers to lock the flat cable connector like you see below!

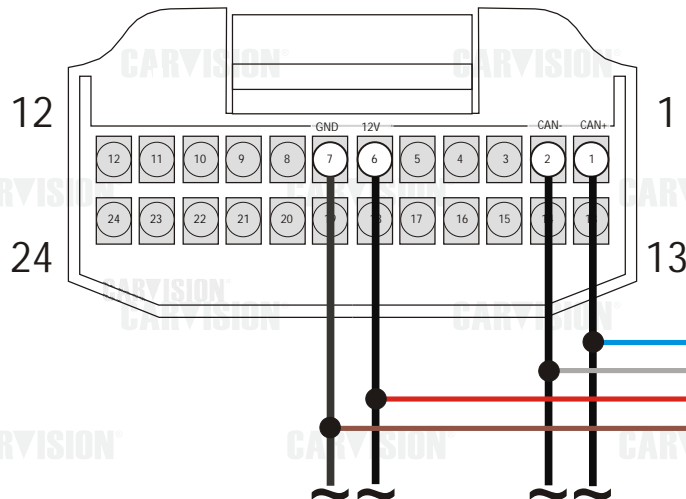
Don't lock it in the middle





# CAN BUS

Backside of the 24 Pins connector seen from behind the monitor

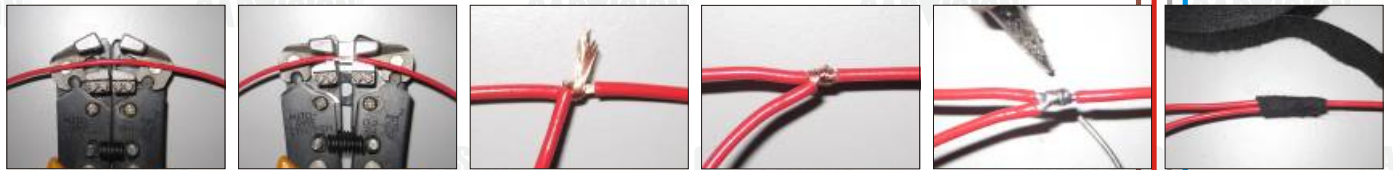


Position 7

- |            |          |   |
|------------|----------|---|
| Position 7 | Ground   | Add the BROWN ground cable from the CAN box |
| Position 6 | 12V BATT | Add the RED 12V BATT cable from the CAN box |
| Position 2 | CAN low  | Add the GREY CAN- cable from the CAN box    |
| Position 1 | CAN high | Add the BLUE CAN+ cable from the CAN box    |

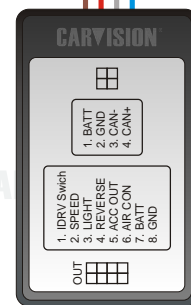
- (1) CAN + (BLUE)
- (2) CAN - (GREY)
- (6) 12V +30 (RED)
- (7) Ground (BROWN)

Add an additional cable without cutting the original cable



See the additional explanation about the camera connection of the wires on the last page!

- BLUE 12V TRIGGER (ONLY when CAN box doesn't create a reverse signal)
- ORANGE 12V Camera power
- BLACK Camera GROUND
- RED 12V Camera power (ONLY when CAN box doesn't create a reverse signal)



- |   |         |   |
|---|---------|---|
| 1 | RGB     | UP (OFF)                                  |
| 2 | VIDEO 1 | ONLY WHEN VIDEO 1 WILL BE USED            |
| 3 | VIDEO 2 | ONLY WHEN ALSO VIDEO 2 WILL BE USED       |
| 4 | X       | X   |
| 5 | CAMERA  | ONLY WHEN THE REVERSE CAMERA WILL BE USED |
| 6 | X       | X   |
| 7 | X       | X   |
| 8 | X       | X   |

- YELLOW 12V BATT
- RED 12V ACC
- BLACK GROUND
- GREEN 12V REVERSE
- WHITE INTERFACE TRIGGER (5-12V PULSE)

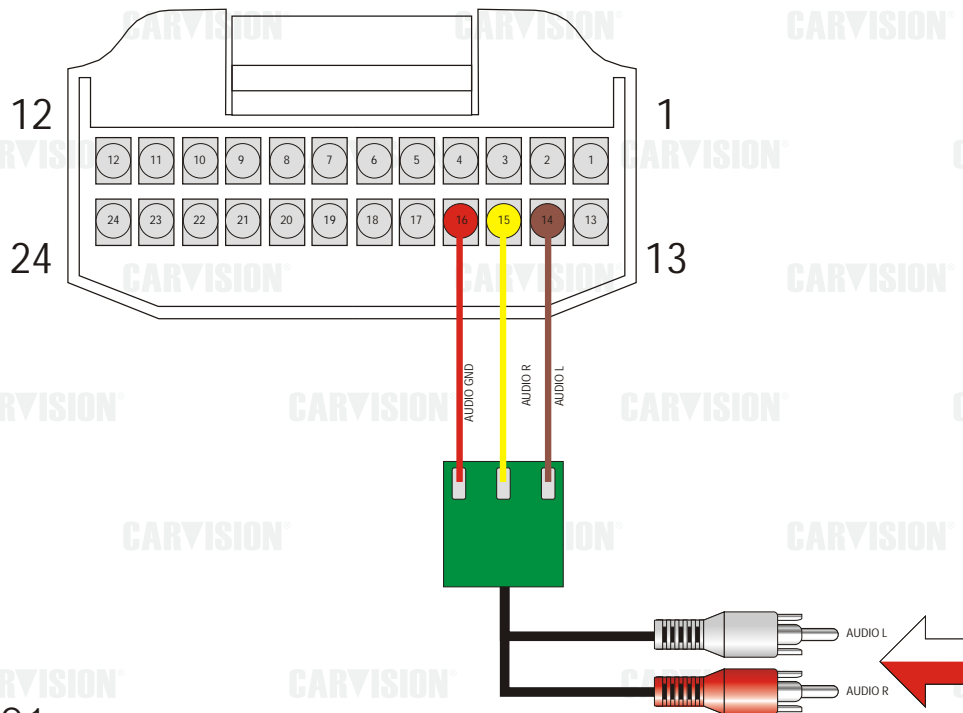


# AUDIO

## Backside of the 24 Pins connector seen from behind the monitor

### REMARK:

The colors can be different but the cable positions are like shown below!!!

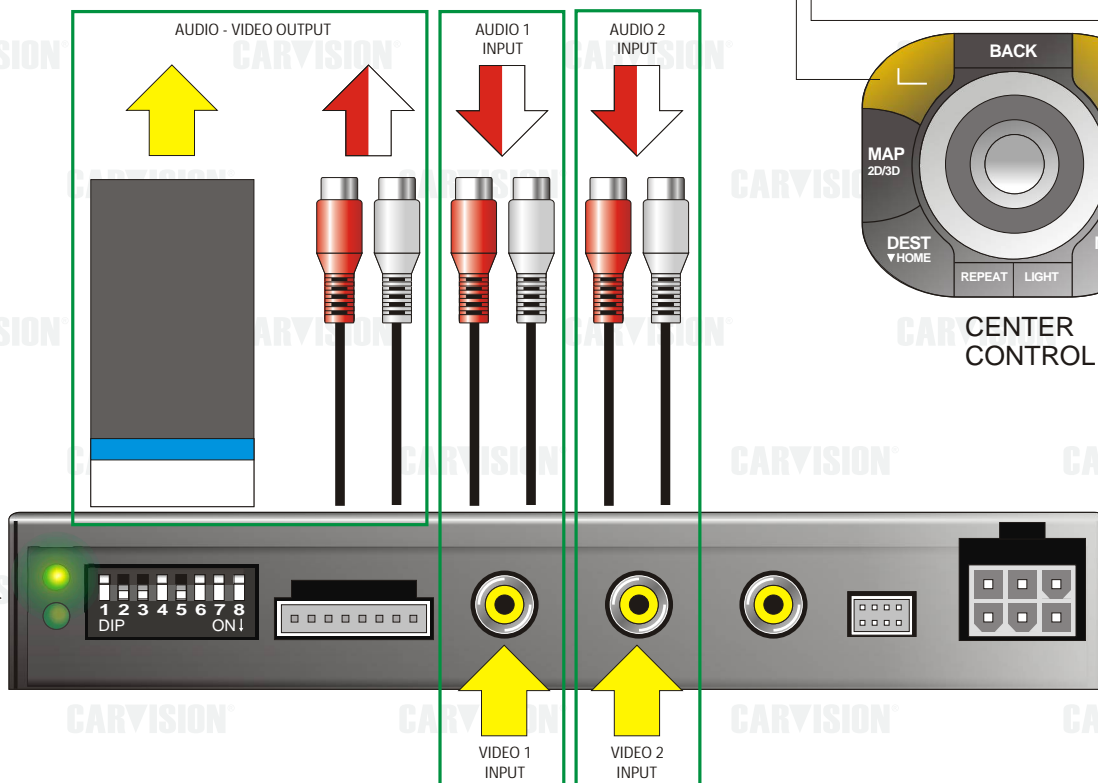


VIDEO 1  
VIDEO 2



NO CENTER CONTROL / CENTER CONTROL IS NOT REACTING  
Use the external video switch button ONLY when you are using the video inputs

LONG PRESS THE LEFT BUTTON to switch the video input(s)  
LONG PRESS THE RIGHT BUTTON to show the camera input (independent from reverse)

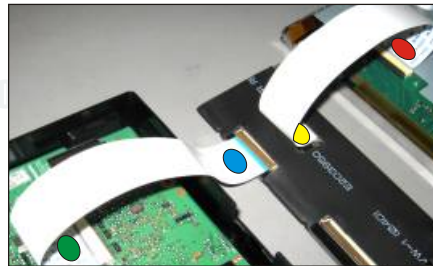


# TROUBLE SHOOTING

The monitor is not showing the original image

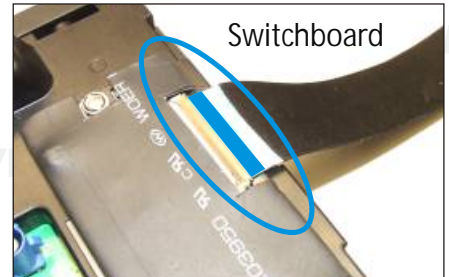
Make sure the flat cables have the colored marks at the right position! (See picture)

The switchboard is running one by one when the interface is not connected or active.



The monitor is not showing external images

Make sure the long flat cable with the blue marks is connected like the pictures. The blue marks should be located on the top side.



No camera image check:

Dip switch 5 ON (down)

No video image check:

Dip switch 2 ON (video 1)

Dip switch 3 ON (video 2)



The image is becoming black for 5 seconds after switching out of the reverse.

**The camera is powered by reverse signal wire!!!**

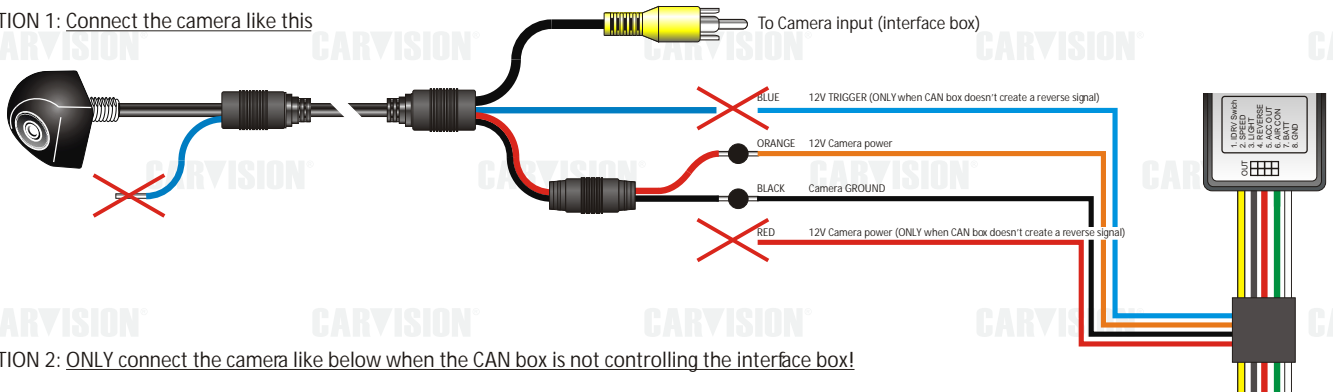
The camera should be powered by the orange wire in case the CAN box is switching the interface box.

The camera should be powered by ACC in case the CAN box is not switching the interface box



Carvision measured the CAN bus signals from most Renault models available in the market. In case the CAN box is not recognizing the reverse signal, you should connect the camera like the bottom drawing! (OPTION 2)

OPTION 1: Connect the camera like this



OPTION 2: ONLY connect the camera like below when the CAN box is not controlling the interface box!

