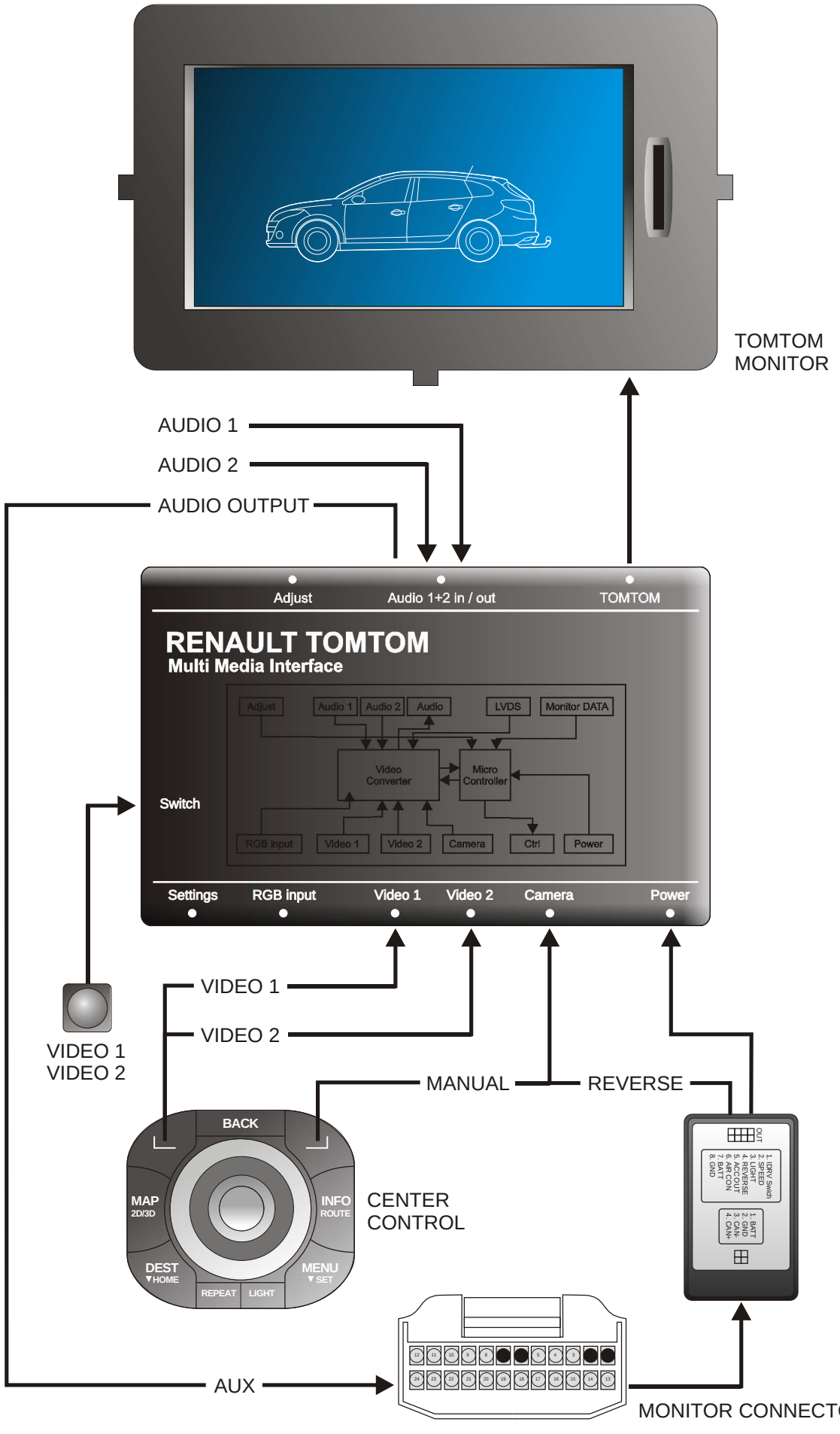
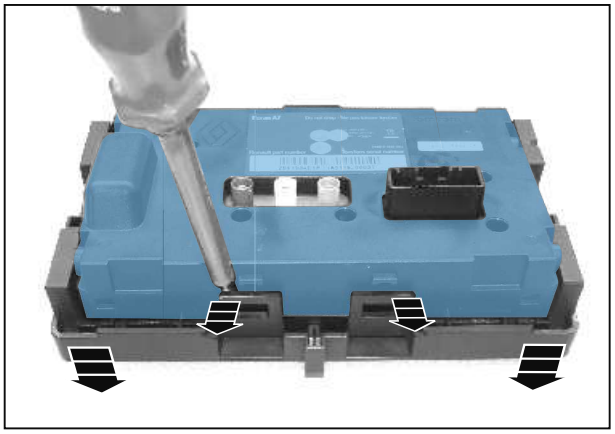
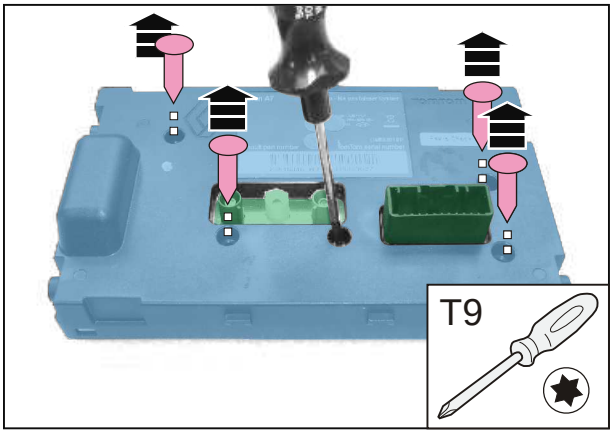
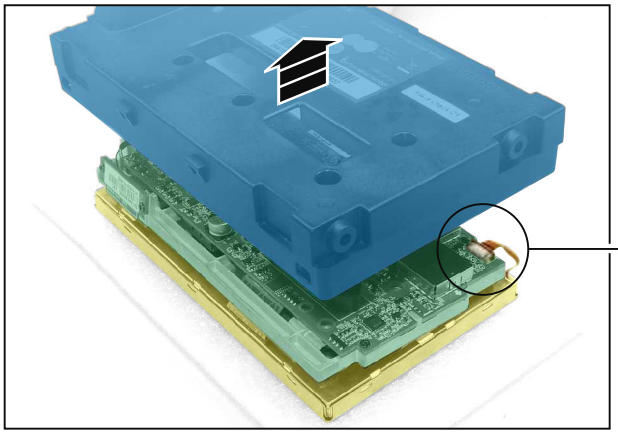

TOMTOM
MONITOR
AUDIO 1
AUDIO 2
AUDIO OUTPUT
Adjust
Audio 1+2 in / out
TOMTOM
RENAULT TOMTOM
Multi Media Interface
Adjust
Audio 1
Audio 2
Audio
LVDS
Monitor DATA
Video Converter
Micro Controller
Switch
RGB input
Video 1
Video 2
Camera
Ctrl
Power
Settings
RGB input
Video 1
Video 2
Camera
Power
VIDEO 1
VIDEO 2
VIDEO 1
VIDEO 2
MANUAL
REVERSE
BACK
MAP
2D/3D
INFO
ROUTE
DEST
HOME
MENU
SET
REPEAT
LIGHT
CENTER
CONTROL
AUX
MONITOR CONNECTOR

1

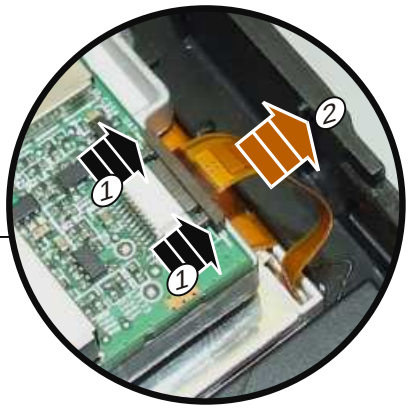


2

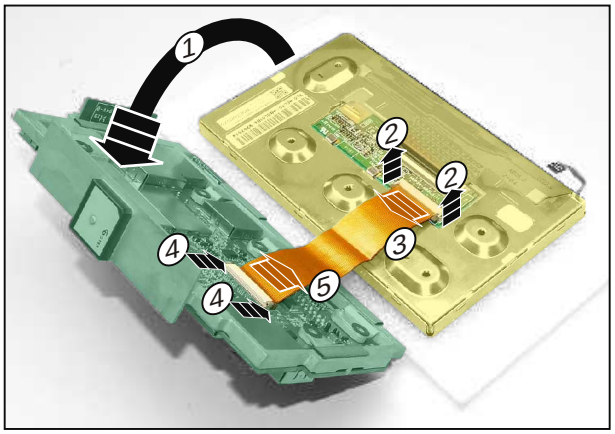

T9



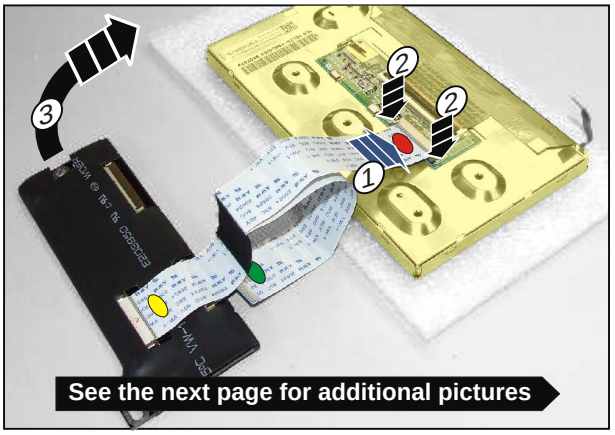
4


1
2
1

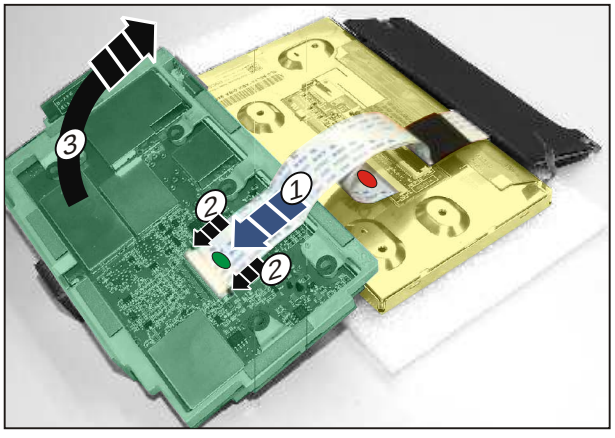
5


1
2
2
3
4
5
4

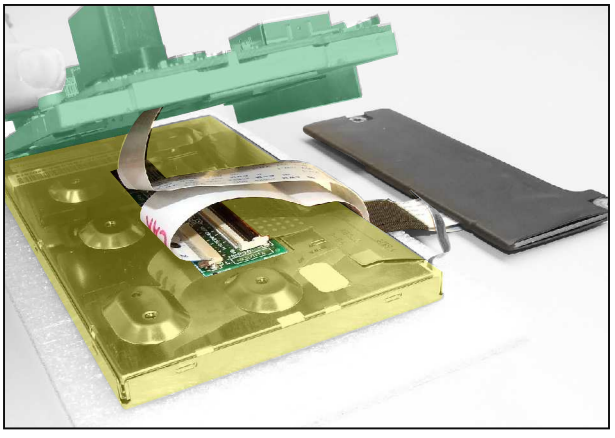
6


3
2
2
1
See the next page for additional pictures

7

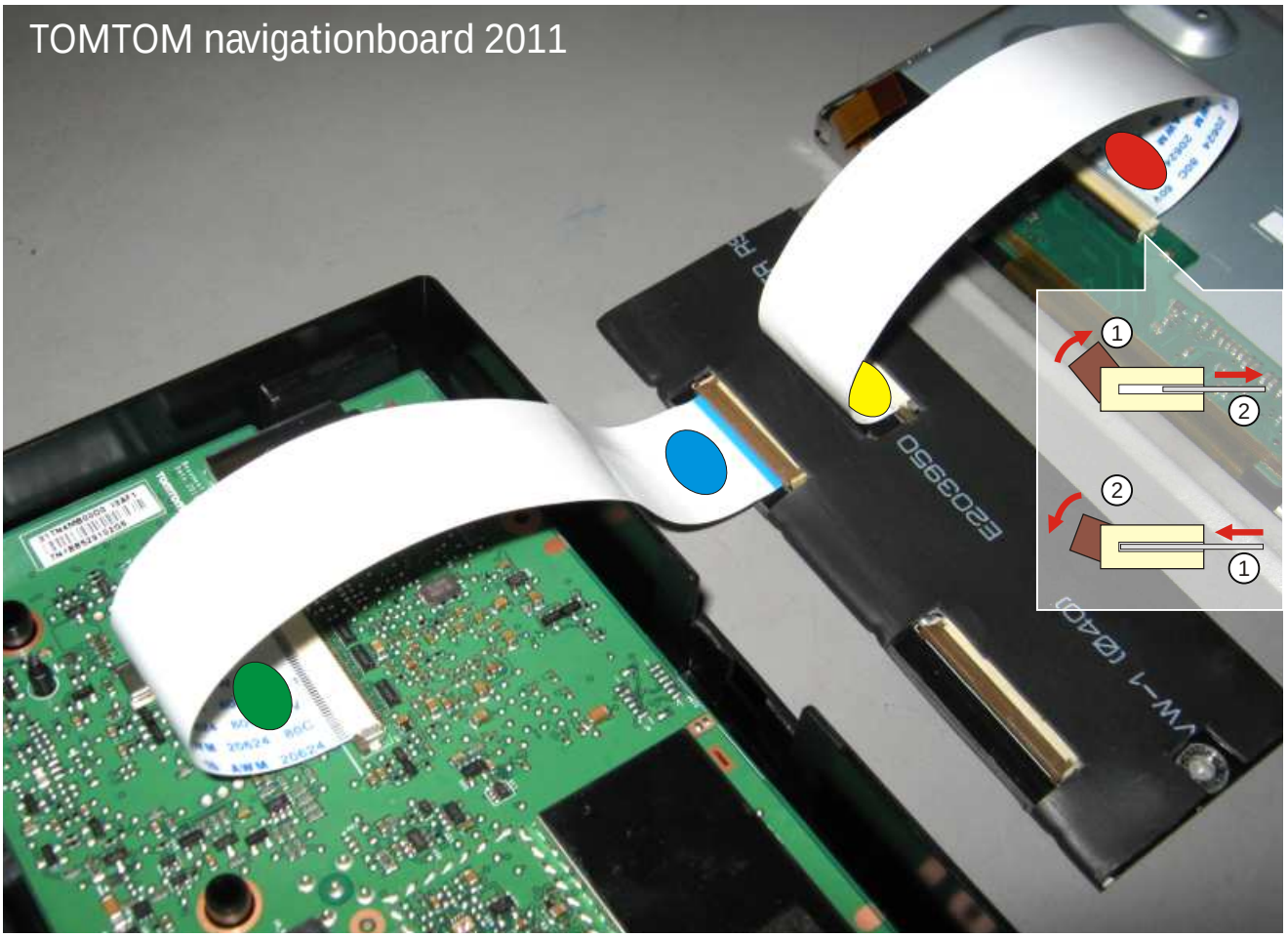

3
2
1
2

8

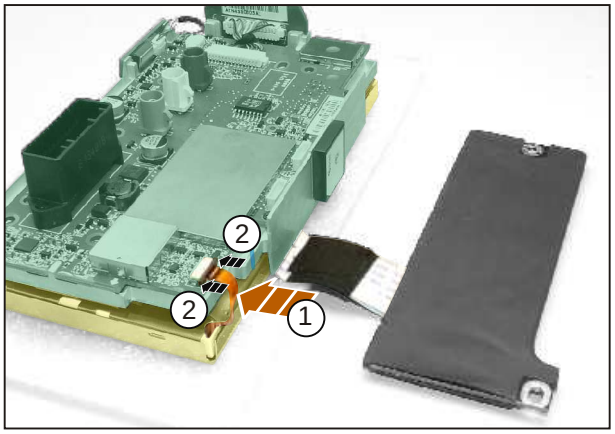


TOMTOM navigationboard 2010

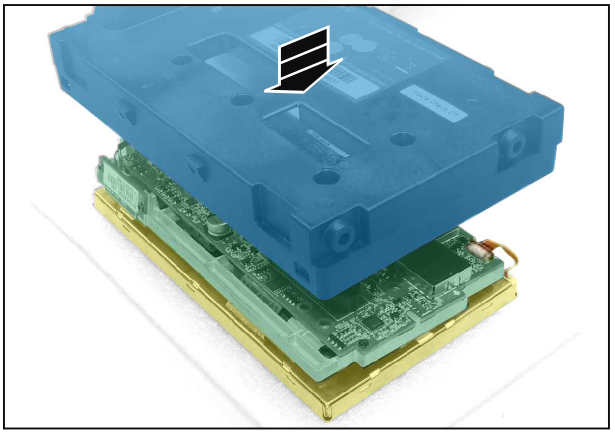
TOMTOM navigationboard 2011



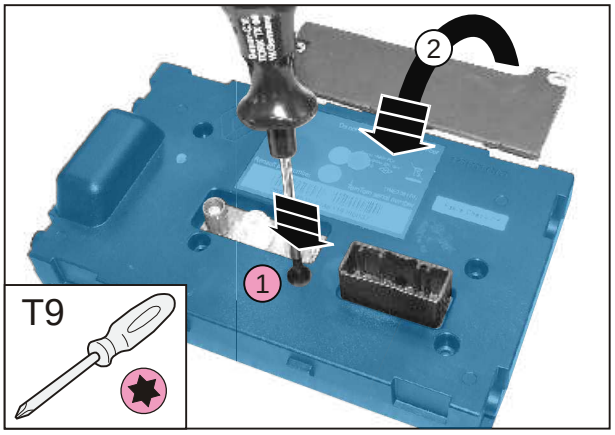
9



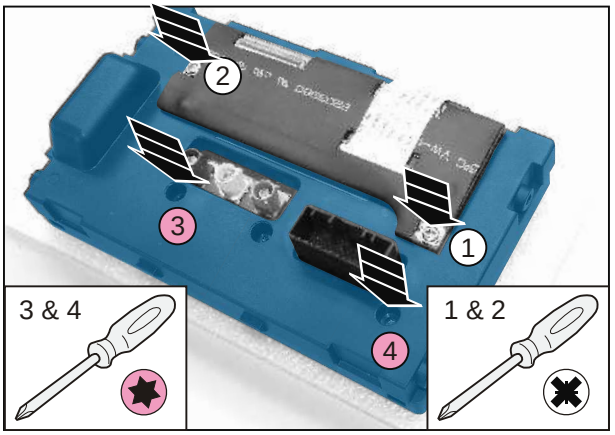

10



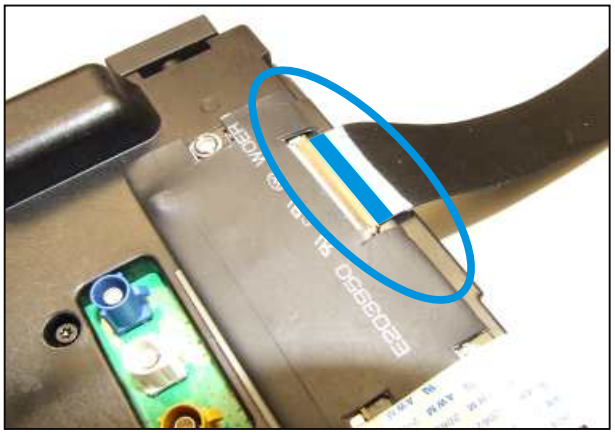
11




12



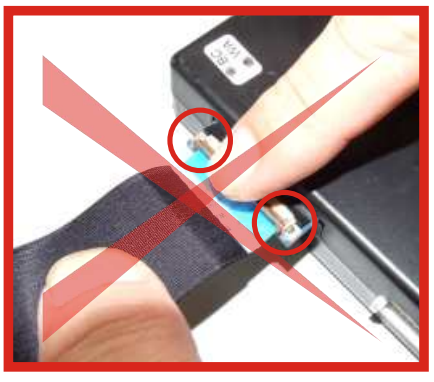

13



14

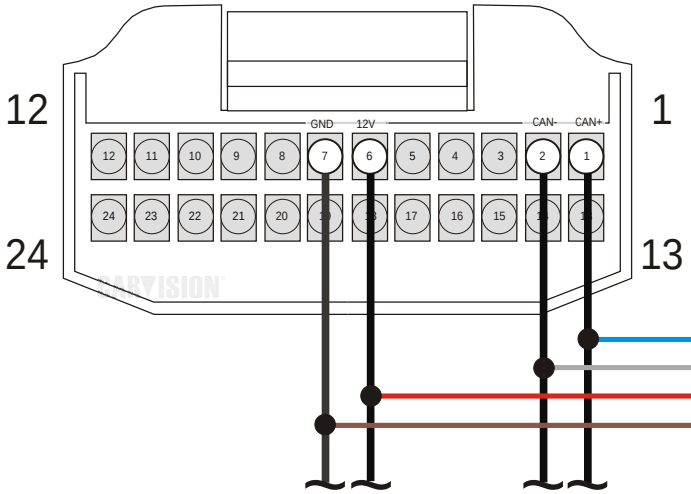
**Use two fingers to lock the flat cable connector like you see below!**

**Don’t lock it in the middle**



# CAN BUS

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

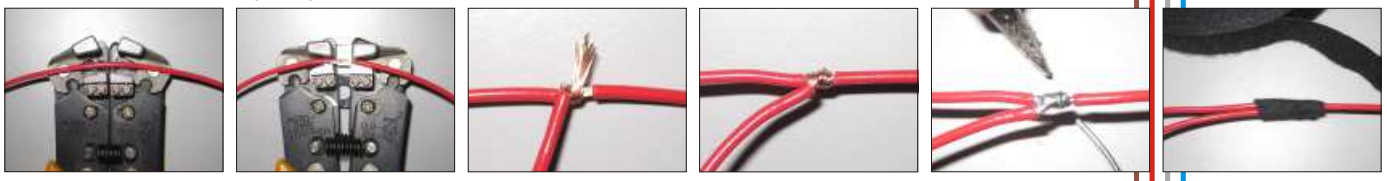



Position 7

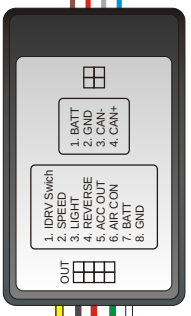
| | | |
|---|---|---|
| Position 7 | Ground | Add the BROWN ground cable from the CAN box |
| Position 6 | 12V BATT | Add the RED 12V BATT cable from the CAN box |
| Position 2 | CAN low | Add the GREY CAN- cable from the CAN box |
| Postion 1 | CAN high | Add the BLUE CAN+ cable from the CAN box |

(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!



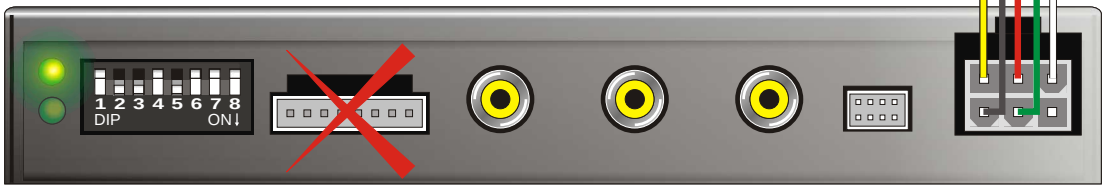

BLUE 12V TRIGGER (ONLY when CAN box doesn't create a reverse signal)

ORANGE 12V Camera power

BLACK Camera GROUND

| | | |
|---|---|---|
| 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)



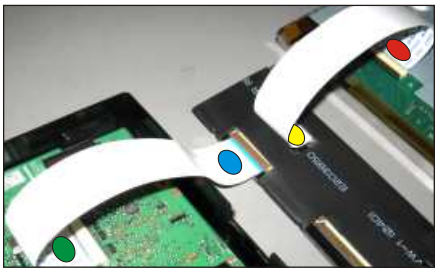

VIDEO 1 VIDEO 2 CAMERA POWER SUPPLY

# TROUBLE SHOOTING

The monitor is not showing the original image

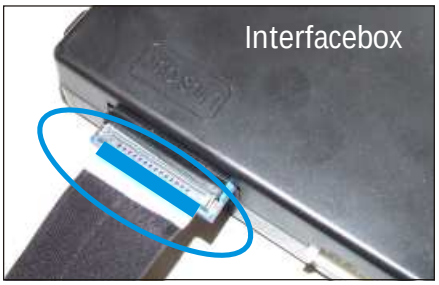
Make sure the flat cables have the colored marks at the right position! (See picture)

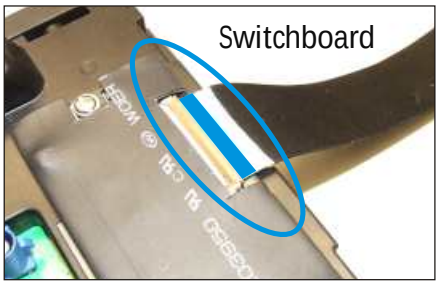
The switchboard is running one by one when the interface is not connected or active.



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.



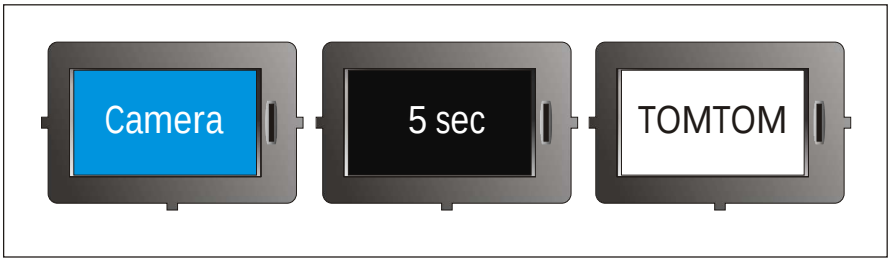




No camera image check:
Dip switch 5 ON (down)
No video image check:
Dip switch 2 ON (video 1)
Dip switch 3 ON (video 2)


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

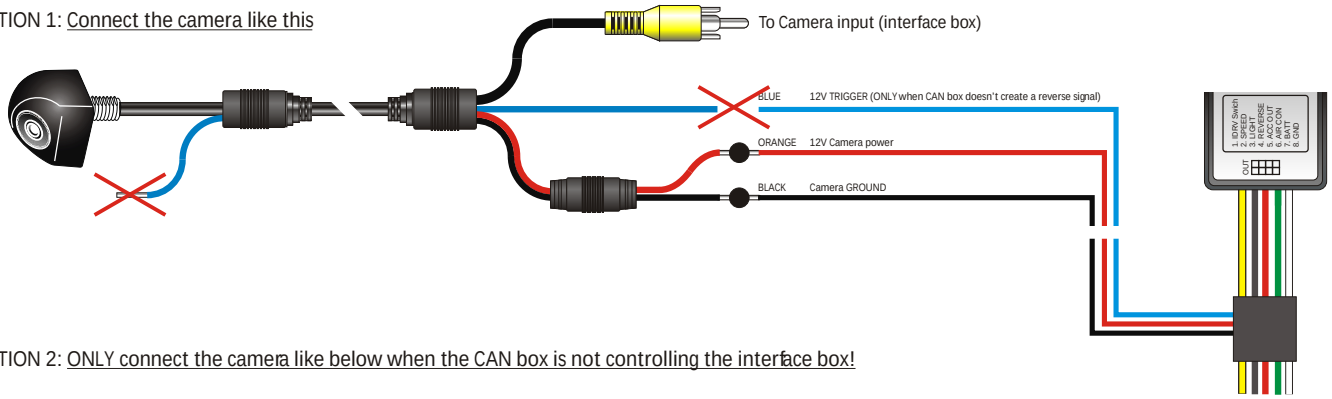
The camera is powered by reverse signal wire!!!

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 revesere 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!