ESX®

CAR MEDIA SYSTEMS

VNC1045-DBJv4

VISION
NAVICEIVER

IMPORTANT NOTES

This guide is an aid for the professional installation of the device.

Please note the following notes before installation:

- Always handle all parts of the device and the components of your vehicle with care.

- Under all circumstances observe the regulations of the vehicle manufacturer and do not make any changes to the vehicle which could impair driving safety.

- For safety reasons, disconnect the vehicle battery's ground connection before installation.

- Please always pay attention to the correct polarity of the connections.

- Please do not modify any harnesses or connections of the device or the vehicle as this may affect the warranty.

- Make sure that no cables are squashed or cause a short circuit.

- Do not lay cables in front of the airbags, e.g. in the dashboard or in a way that affects their function.

RECOMMENDED TOOLS:

Unlock devices

Plastic mounting wedges

Plastic drill

Ø 20 mm

Cable ties

Phillips screwdriver or bit

Torx screwdriver or bit

T25

RECOMMENDED ACCESSORIES:

Steering wheel control adapters:

VNA-LFB-FD2
FIAT DUCATO IV, PEUGEOT BOXER III, CITROËN JUMPER III (Type 290, since 2015) with radio preparation, ISO connection

VNA-LFB-FD3
FIAT DUCATO IV, PEUGEOT BOXER III, CITROËN JUMPER III (Type 290, since 2015) with original radio or original navigation system, CAN bus (52-PIN), USB port (optional), AUX port (optional)

VNA-LFB-FD4
FIAT DUCATO IV, PEUGEOT BOXER III, CITROËN JUMPER III (Type 290, since 2015) with original radio Delphi F250, ISO connector
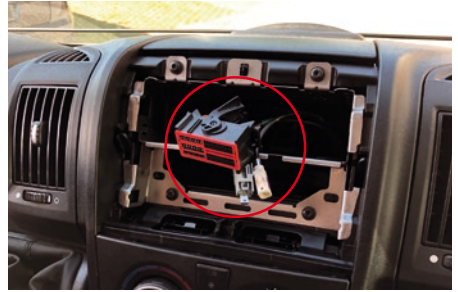
VNA-LFB-FD5 (included)
FIAT DUCATO III, PEUGEOT BOXER II, CITROËN JUMPER II (Type 250, 2006 - 2015) ISO connection

Only with radio ex-factory:
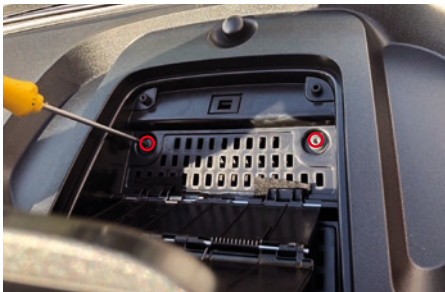Pull the radio out of the slot using the release tools.

Only with radio ex-factory:
Remove the connectors on the back of the radio.

Only with radio ex-factory:
Loosen the 4 screws.

Loosen the 2 screws underneath.

Open the storage tray and loosen the 2 screws.

Pull the storage tray upwards.

Loosen the 2 screws underneath.

Remove the ventilation ducts on the left and right with a screwdriver and leverage as shown.

The dashboard should now look like this. Loosen the 2 screws.

Lift the rubber tray and remove the screw underneath.

Remove the original panel.

Release the plugs.

Loosen the 2 screws.

Remove the original panel by lifting it and pulling it forward.

PRELIMINARY

Remove all marked clips from the original panel and attach them to the supplied enclosed panel.

Loosen the 2 screws.

Pull the cover out from back to top (as shown).

Loosen the 2 screws and put the speedometer display on top (The plugs can stay).

+ 1x Screw

Loosen the screws on the left side below the steering wheel.

Loosen the screw on the right side below the steering wheel.

Then install the supplied enclosed panel, where the GPS antenna is integrated.

Pay attention to the GPS cable and fasten the 2 screws.
Then insert the cable of the GPS antenna to the device and connect it to the GPS socket as described on page 14.

Put in the storage tray and lift it, then attach the 2 screws.

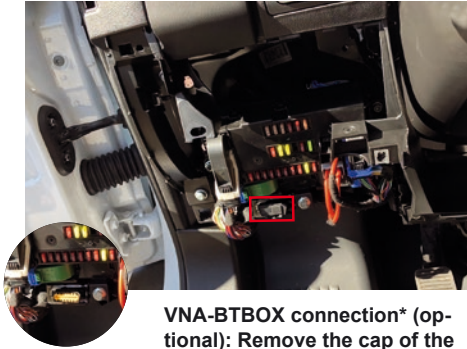
Attach the 2 screws on the front.

VNA-BTBOX connection* (optional):
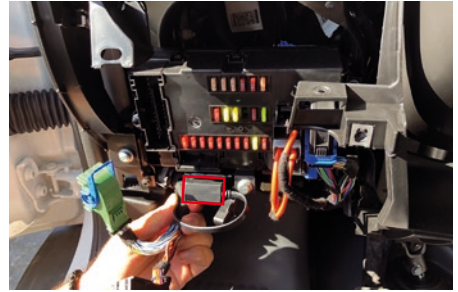Remove the cover from the fuse box. Loosen the screw.

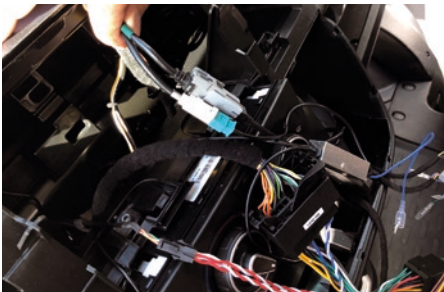**VNA-BTBOX connection* (optional): Remove the cap of the connector.**

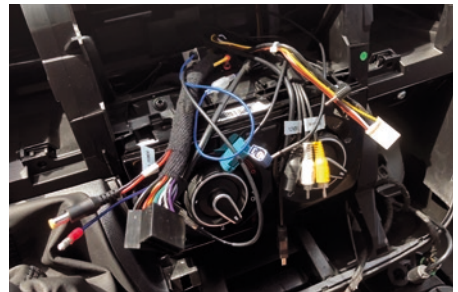**VNA-BTBOX connection* (optional): Connect the supplied VNA-BTBOX connector.**

VNA-BTBOX connection* (optional): Lay the VNA-BTBOX connection cable.
(like shown)

Place the microphone. Lay the microphone cable as shown.

(Picture shows cable with factory installed radio)

(Picture shows cable without factory installed radio)

Connect the respective cables to the ESX device as described from page 14 on.

* Optional accessories

Put in the speedometer display and the cover.

Slide the ESX device into the slot.

Attach the screws.

ESX device after the installation.
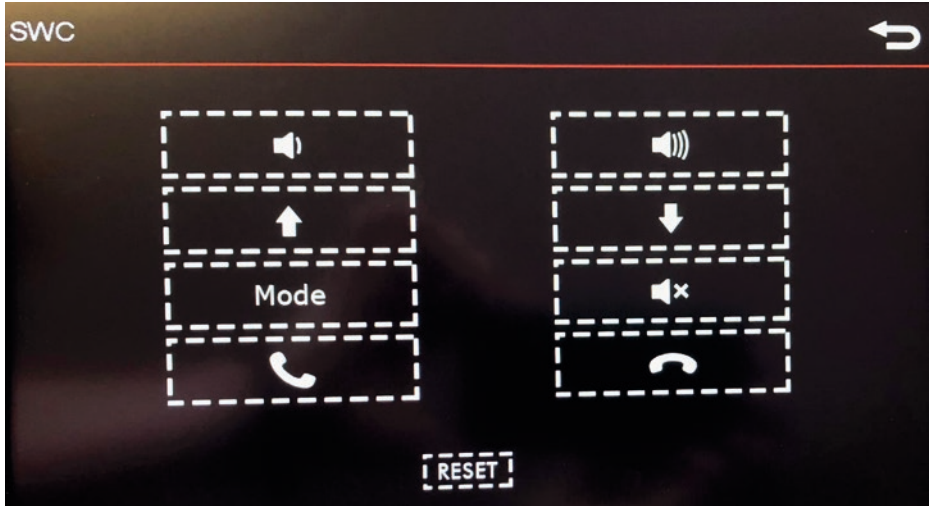

Attach the screw and set in the rubber tray.

Steering wheel control - teaching multifunction buttons

Switch to the system settings of the device and select „Steering wheel control".

Then the following menu appears:

Press at first on "RESET". Then press on the desired function and then on the regarding button on the multifunction steering wheel via which this function is to be controlled. After you have successfully assigned a function, the field is highlighted.

SCOPE OF DELIVERY

ITEM	IMAGE	AMOUNT
Main Device		1
Panel incl. GPS Antenna		1
MicroSD Memory Card 8 GB Navigation Software		1
Remote Controller		1
Microphone		1
Antenna Splitter (active) for FM/DAB + Radio Reception		1

SCOPE OF DELIVERY

ITEM	IMAGE	AMOUNT
Audio Cables		1
Camera/AUX/Video Cables incl. Video Box (Camera relay)		1
Video Cables		1
USB Extension		1
System Cable		1
Steering Wheel Control Adapter		1

A1, TX Brown & Black
A2, RX Brown
A3, Reverse
A4, +12V Yellow
A5, AUTO ANT & AMP CON Blue
A6, Illumination
A7, ACC Red
A8, Ground Black

B1, Rear right speaker + purple
B2, Rear right speaker- purple & black
B3, Front right speaker + Grey
B4, Front right speaker- Grey & Black
B5, Front left speaker + White 1
B6, Front left speaker - white & black
B7, Rear left speaker + Green 1
B8, Rear left speaker-Green & Black

VNA-LFB-FD3

(Optional)

REVERSE
AMP TURN
FRONT L
FRONT R
RXD/TXD
CIBUS

LINE OUT FRONT L
LINE OUT FRONT R
LINE OUT REAR L
LINE OUT REAR R
LINE OUT SUB WOOFER L
ACTIVE

WHITE
RED
WHITE
RED
GREEN

VNA-BTBOX

BT Streaming

(Optional)

15

SWC
Steering
wheel control

CVBS-IN
Currently
without use

AMP TURN

VEHICLE
ANTENNA

OPTIONAL

+ 12 V

ANTENNA SPLITTER (ACTIVE)
FOR FM/DAB + RADIO RECEPTION

CONNECTION CAMERAS

Rear View Camera

VIDEO BOX

GND

REVERSE CAMERA POWER

FRONT CAMERA IN

REVERSE CAMERA IN
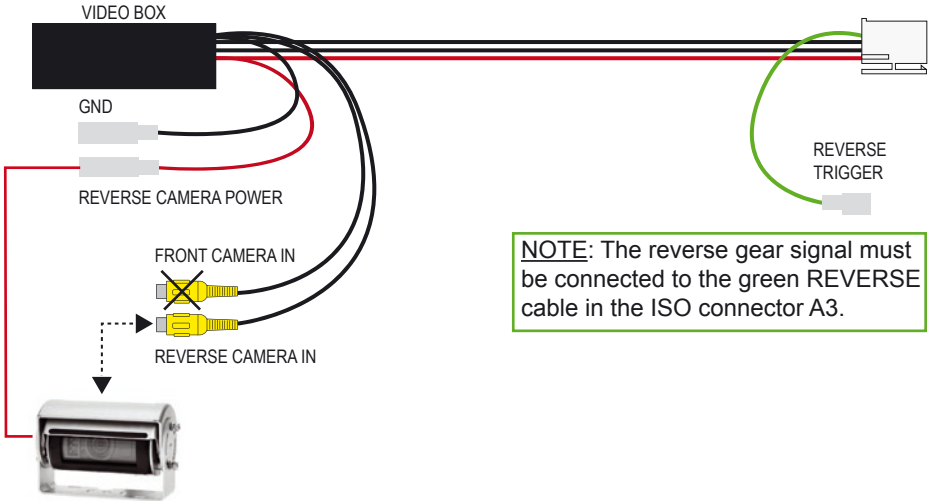
REVERSE
TRIGGER

NOTE: The reverse gear signal must be connected to the green REVERSE cable in the ISO connector A3.

Example: VNA-RCAM-SHUTTER

Dual Lens Camera 1

VIDEO BOX

GND

REVERSE CAMERA POWER

FRONT CAMERA IN

REVERSE CAMERA IN

Cut
cable

REVERSE
TRIGGER

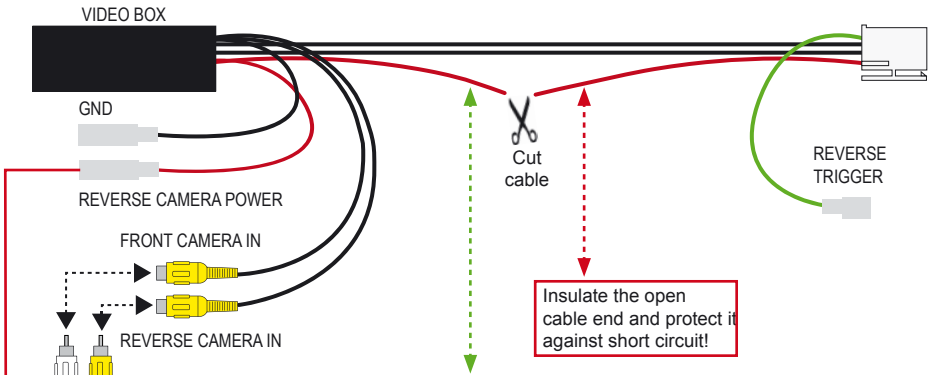Insulate the open cable end and protect it against short circuit!

Connect together with the signal cable from the reverse gear of the green RE-VERSE cable in the ISO connector A3.
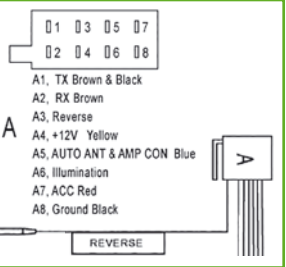
Example: VNA-RCAM-DUALSHUTTER

Connect the camera power supply to the ignition plus in the ISO connector A7.

1 3 5 7
2 4 6 8

A1, TX Brown & Black
A2, RX Brown
A3, Reverse
A A4, +12V Yellow
A5, AUTO ANT & AMP CON Blue
A6, Illumination
A7, ACC Red
A8, Ground Black

REVERSE

Dual Lens Camera 2

VIDEO BOX

GND

REVERSE CAMERA POWER

FRONT CAMERA IN

REVERSE CAMERA IN

Cut cable

REVERSE TRIGGER

Insulate the open cable end and protect it against short circuit!

Connect together with the signal cable from the reverse gear of the green REVERSE cable in the ISO connector A3.

Example: VNA-RCAM-DBJ200

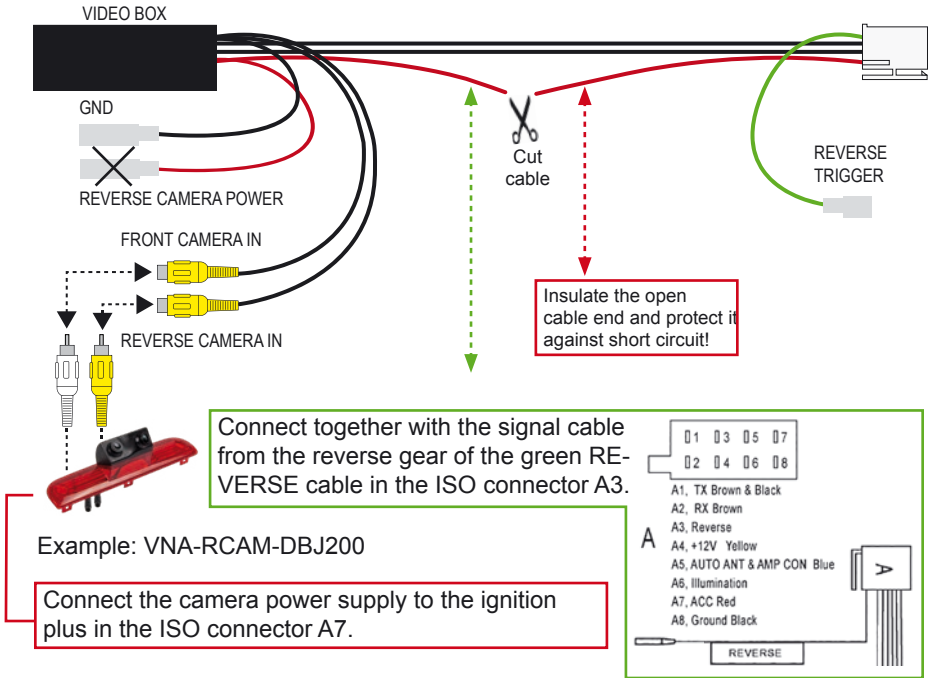Connect the camera power supply to the ignition plus in the ISO connector A7.

☐1 ☐3 ☐5 ☐7
☐2 ☐4 ☐6 ☐8

A1, TX Brown & Black
A2, RX Brown
A3, Reverse
A4, +12V Yellow
A5, AUTO ANT & AMP CON Blue
A6, Illumination
A7, ACC Red
A8, Ground Black

A

REVERSE

CONNECTION CAMERAS

Dual Lens Camera 3

VIDEO BOX

GND

REVERSE CAMERA POWER

FRONT CAMERA IN

REVERSE CAMERA IN

Cut cable

REVERSE TRIGGER

Insulate the open cable end and protect it against short circuit!

Connect together with the signal cable from the reverse gear of the green REVERSE cable in the ISO connector A3.

Example: VNA-RCAM-CS220

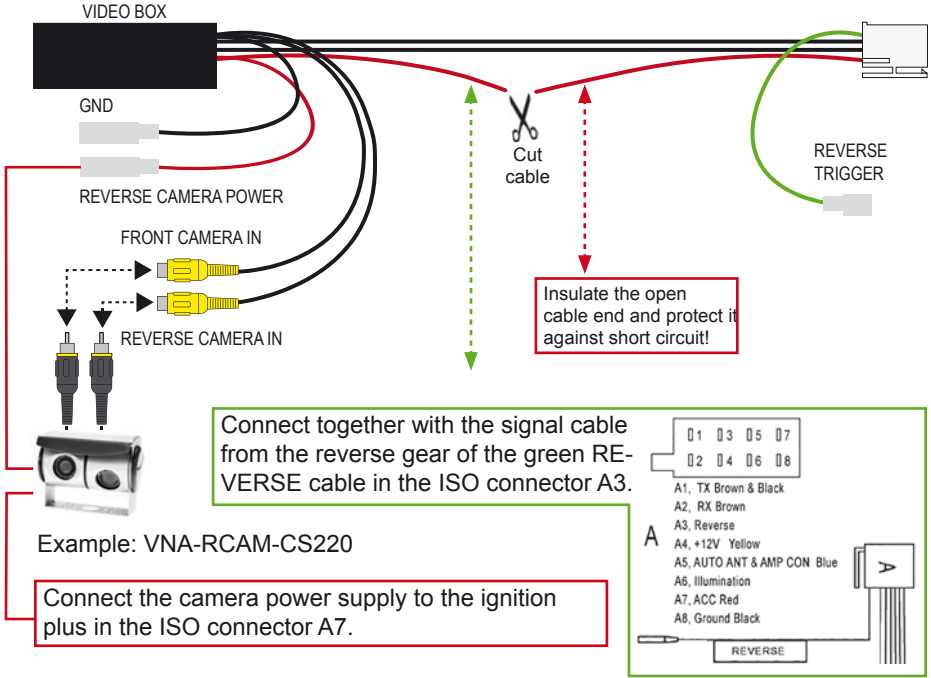Connect the camera power supply to the ignition plus in the ISO connector A7.

☐1 ☐3 ☐5 ☐7
☐2 ☐4 ☐6 ☐8

A1, TX Brown & Black
A2, RX Brown
A3, Reverse
A A4, +12V Yellow
A5, AUTO ANT & AMP CON Blue
A6, Illumination
A7, ACC Red
A8, Ground Black

REVERSE