



Setra Coach Bus Installation Guide

This guide will show the proper way to install a Dual-Vision XC4 Camera in a Setra Coach Bus. Please review the Installation Guidelines for grounding and making connections prior to installing. In this guide you will find dash removal, wire locations, & mounting locations.

Verify no vehicle service lights are on prior to installation. Contact a Fleet Manager immediately if the vehicle has any damage

After testing and verifying power wires, disconnect the negative battery terminal to prevent any accidental shorts or blown fuses

UPDATED October 15th, 2018

NEW PART

Harness DV457 is needed if trigger wires are being connected

For Technical Support please contact our support team at:

Techsupport@Roscovision.com



Gray – Caution

Red – Warning

Blue – Extra Installation Parts Needed

Purple – New Installation



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Before starting your install, its best to prep the windshield for recorder mounting
Giving the VHB tape time to cure before mounting the Recorder will give you a permanent bond and prevent recorders from falling.

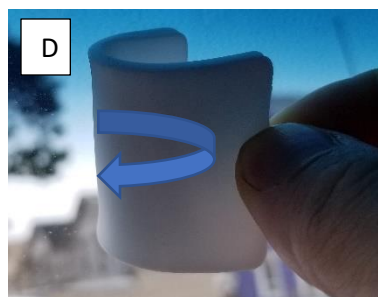


- A- Squeeze to release primer and apply to the windshield
- B- Apply Primer to the bracket
- C- Wait for the primer to dry leaving a dull haze on the windshield

IMPORTANT: VHB Tape should only be applied when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of mounting adhesive pads.

Run the defrost on high heat or use a heat gun in colder temperatures

After windshield is the correct temperature apply the VHB tape marked **PERMANENT** by rolling the tape on the windshield (D)



Using your thumb push firmly around all edges of the VHB tape

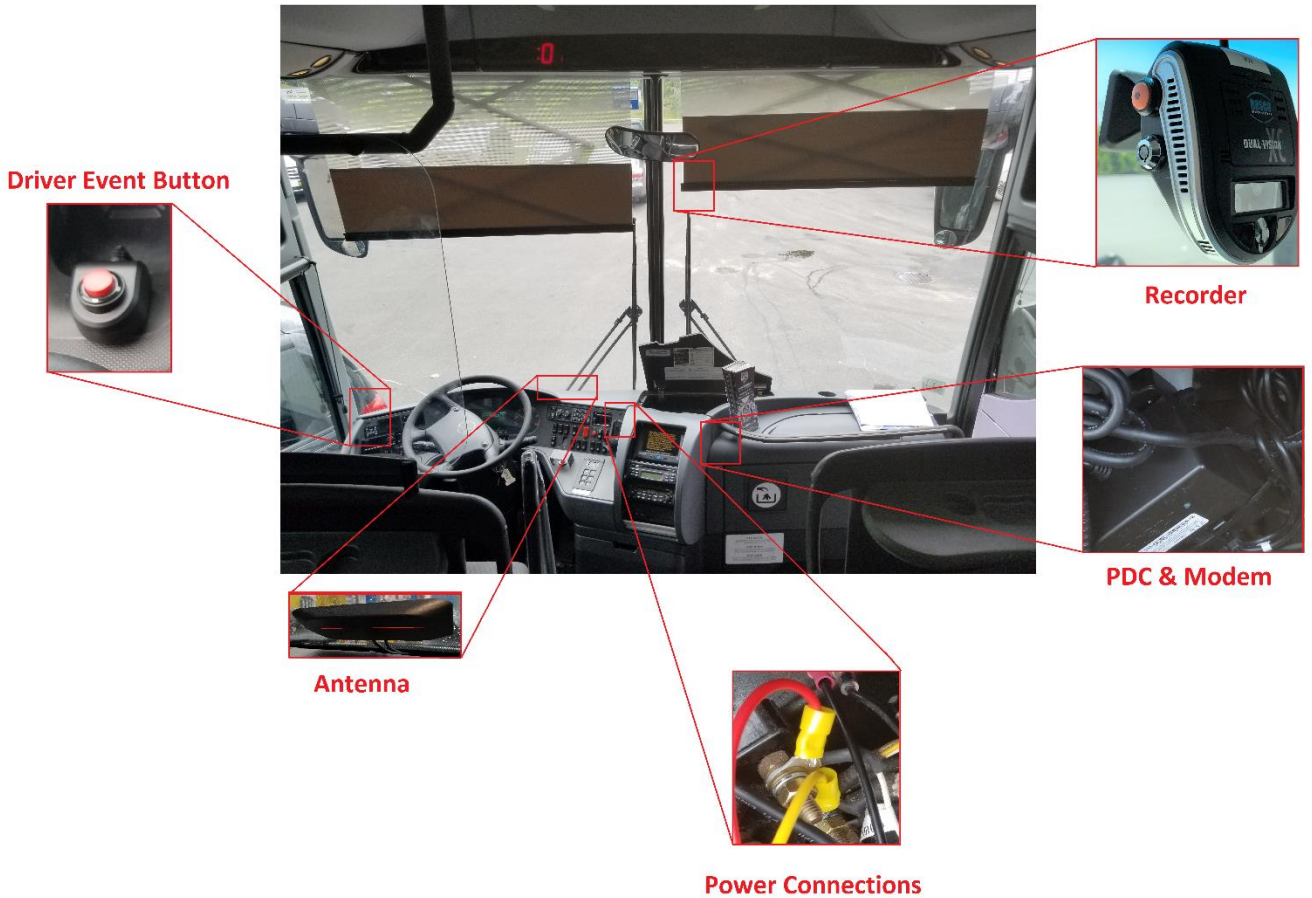
Proceed to the next page for Step 1 of the installation





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Installation Layout



Before starting your installation, please take note of component mounting locations.





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Step 1 - Dash Removal:

- Start by removing the two T-20 screws on both sides of the center dash



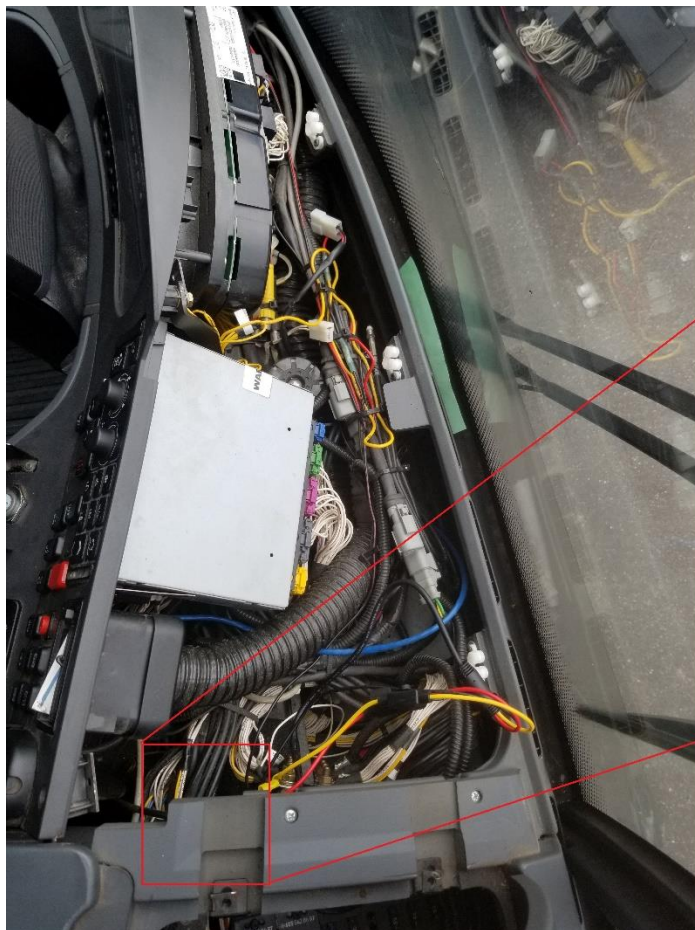


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PLEASE NOTE THESE ARE 24 VOLT CONNECTIONS. ALWAYS CONFIRM CORRECT WIRING WITH YOUR DIGITAL MULTIMETER

Step 2 - Power Connections:

- Connect ring terminals to the DV's Constant, Ignition, & Ground wires
- Connect the YELLOW IGNITION WIRE to the vehicles top terminal
- Connect the RED CONSTANT WIRE to the vehicles bottom terminal



This vehicle has a multiplexer which causes a power delay. When the vehicle is powered down, the recorder will stay powered up for 30 seconds to one minute before switching to parking mode



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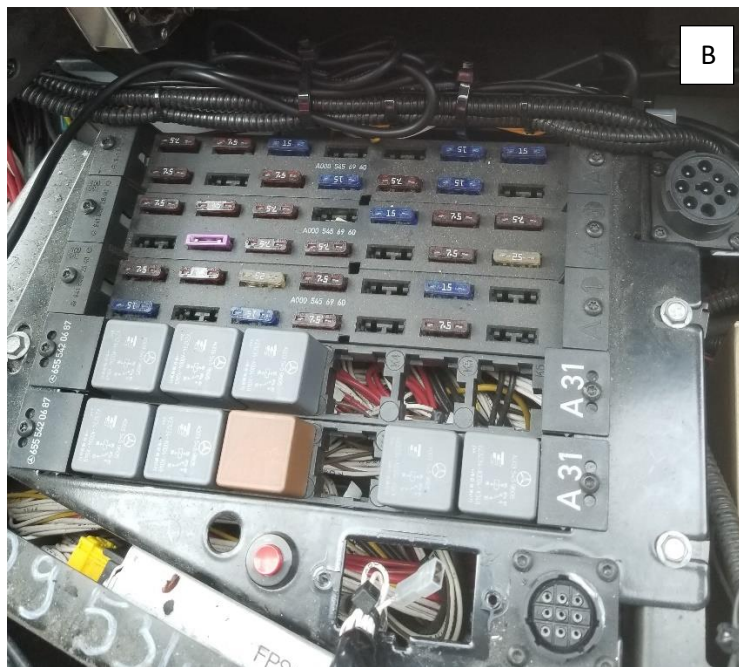
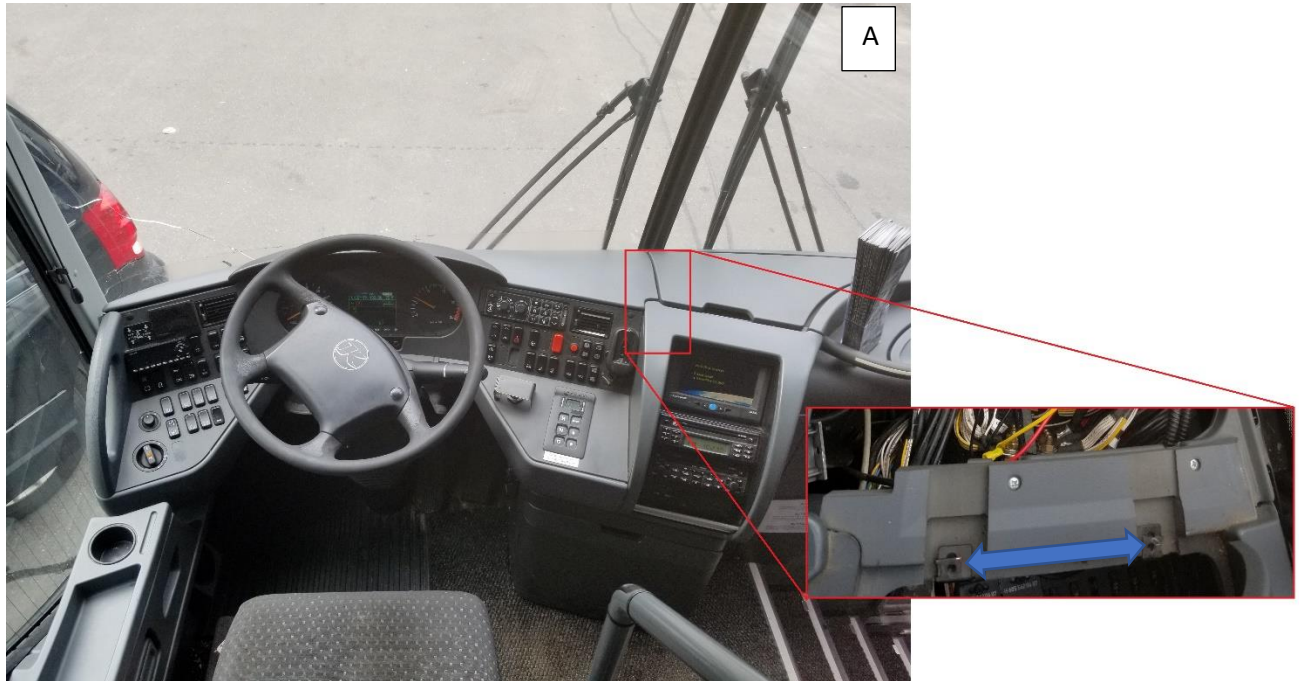
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- Lift the glove box door and remove the two (2) T-20 screws holding the storage compartment (Photo A)
- This will give you access to the vehicles fuse box, and mounting locations for the PDC & Modem (Photo B)



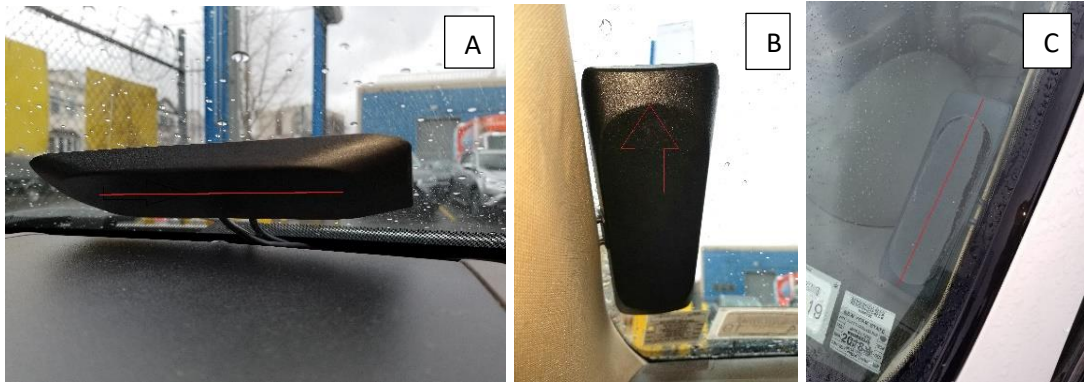


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Step 3 - Antenna Mounting:

The Manufacture recommends mounting the antenna on the windshield

Mount the antenna on the same side of the vehicle as the PDC



Notice the angled part of the antenna is on the **inside** of the vehicle (Photo A & B). Make sure the **FLAT SIDE** of the antenna has a **CLEAR VIEW OF THE SKY** and is facing **OUTSIDE** (Photo C)



After all connections are made, coil up all the extra antenna cable (Photo A)

Never bend the cable. This will cause signal loss and damage to the antenna (Photo B)

Please refer to the Antenna Installation Guideline for complete details

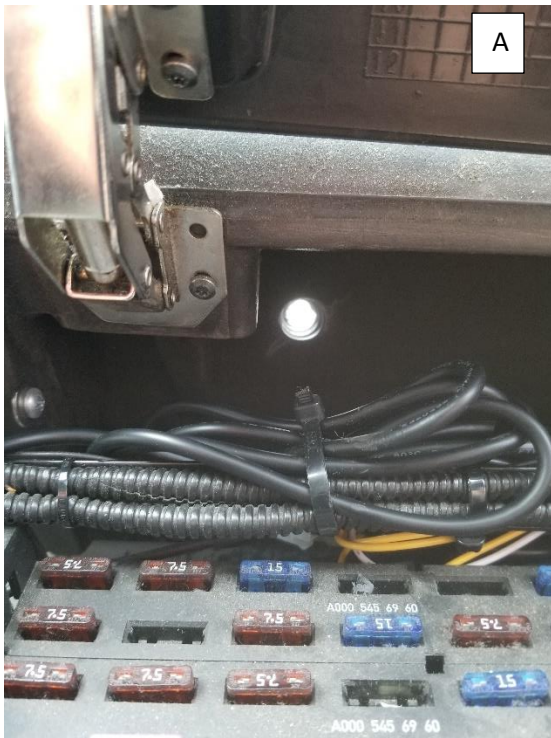




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Antenna Mounting and Cable Routing (Continued):

- Using a unibit, carefully drill a hole in the back of the fuse panel (Photo A)
- Mount the antenna on the lower windshield & route the antenna cable into the fuse box (Photo B)





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Step 4 - PDC & Modem Connections:

- Connect the USB cable from the modem to the PDC and secure with a zip tie (Photo A)
- Connect the Antenna cable to the modem (Photo B)
- Make these connections prior to mounting the modem & PDC
- Make sure the screw on the modem cover is secured and doesn't move or bend (Photo C)



Connect the MIMO 1 antenna wire to the Modems PRI connector



Connect the MIMO 2 antenna wire to the Modems DIV connector



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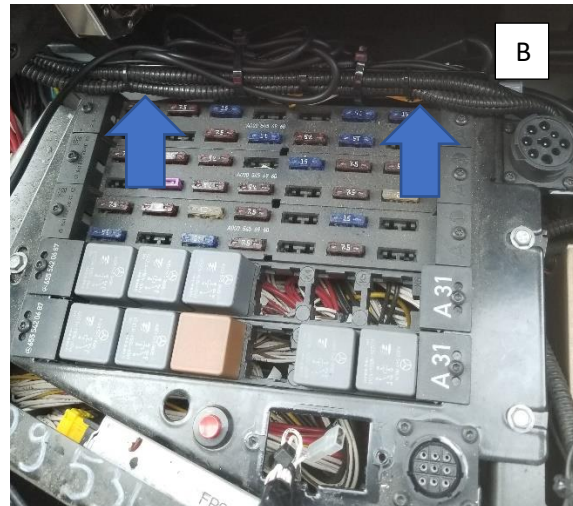
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Step 5 - PDC & Modem Mounting:

- Secure the PDC & Modem to the factory harness with zip ties (Photo A)
- Make sure all connections are made prior to component mounting
- Neatly bundle up extra cables and zip tie them behind the fuse panel (Photo B)



IT'S IMPORTANT TO NEATLY ZIP TIE WIRES TO A FACTORY BRACKET OR HARNESS TO PREVENT FROM FALLING. KEEP AWAY FROM THE STEERING FUNCTIONS AND ANY MOVING PARTS

PLEASE READ THE RECORDER MOUNTING & VHB TAPE INSTALLATION GUIDELINE BEFORE PROCEEDING TO THE NEXT STEP



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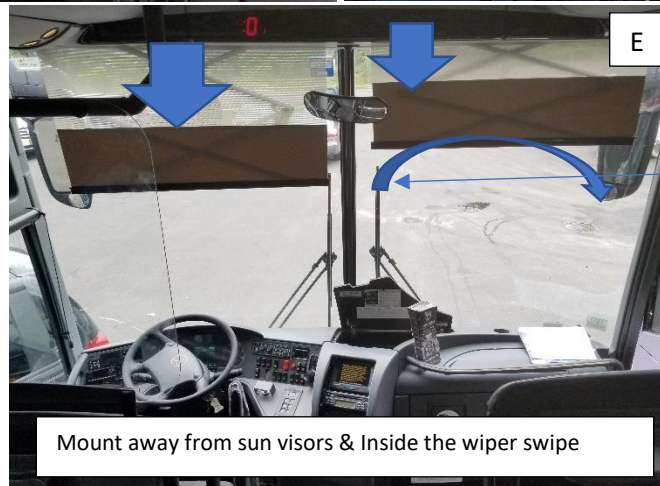
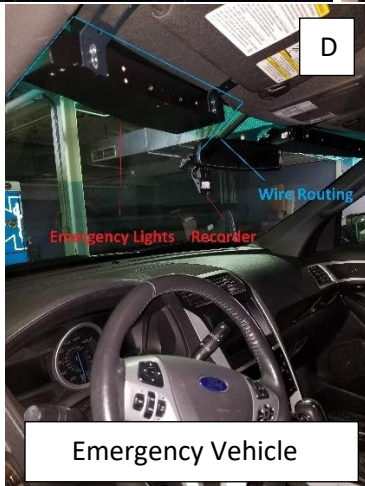
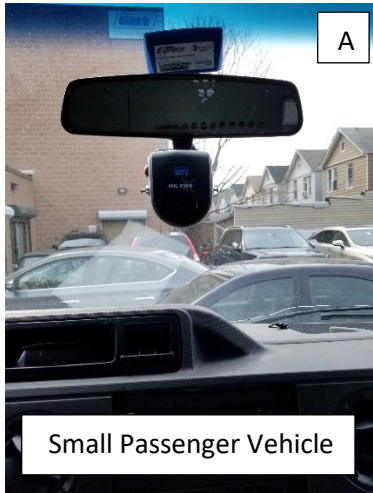
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Step 6 - Camera Mounting and wire Routing:



For small passenger vehicles, mount the Recorder under the rear-view mirror (Photo A).

If the vehicle has any factory sensors under the rear-view mirror, mount the Recorder to the right of the mirror, not causing a distraction to the driver (Photo B).

For larger trucks or busses (With split windows), mount the Recorder on the right panel (Photo C) and INSIDE the wiper swipe. Keeping the Recorder INSIDE the swipe will ensure rain or snow will not interfere with the video.

When working on emergency vehicles use extreme caution when routing wires around emergency lights and equipment (Photo D)

Always pull down the vehicles sun visors to make sure they don't block or interfere with the Recorder or the video (Photo E). Notice the swipe of the wiper blades. For vehicles like this, mount the Recorder under the visor, inside the swipe.



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To verify proper angle & correct mounting, press the driver activity button. Logon to your Rosco account and view activity to confirm proper angle

The screenshot shows a web browser window displaying a live video feed from a bus camera. The video shows the interior of a garage with a white bus. The video feed includes a timestamp '2018/05/10 07:57:22', channel information 'CH1 Q1 4FPS ROSCO', and a signal strength indicator 'RSSI: -55'. Below the video are four numbered buttons (1, 2, 3, 4) and a search bar with 'Search' and 'Clear Search' buttons. To the right of the video is a table with two columns: 'Status' and 'Live Video'. The table contains ten rows of data. Below the table is a checkbox for 'Limit Allowed Assets' which is checked, and a text input field for 'Allowed Assets' with the value '70'.

Status	Live Video
Offline	Launch
Offline	Launch
Offline	Launch
Online	Launch
Online	Launch
Offline	Launch
Offline	Launch
Offline	Launch
Offline	Launch
Offline	Launch



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