



2005 Mack Truck Installation Guide

This guide will show the proper procedures to install a Dual-Vision XC4 Camera in a 2005 Mack Truck. Please review the Installation Guidelines for grounding and making connections prior to installing.

For Technical Support please contact our support team at:

Techsupport@Roscovision.com

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

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

UPDATED October 15th, 2018

NEW PART

Harness DV457 is needed if trigger wires are being connected



Gray – Installation Warning

Red – Urgent 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.

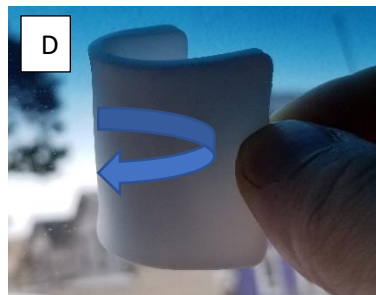


- A- Squeeze to release primer and apply to the windshield
- B- Apply Primer to the bracket
- C- Wait for the primer to dry leaving a dull haze on the windshield

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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Step 1 – Dash Removal:

- Using a panel tool, remove the passenger side fuse panel, located on the center of the dash, to the left of the vents (Photo A)
- This will give you access for power connections, and mounting locations

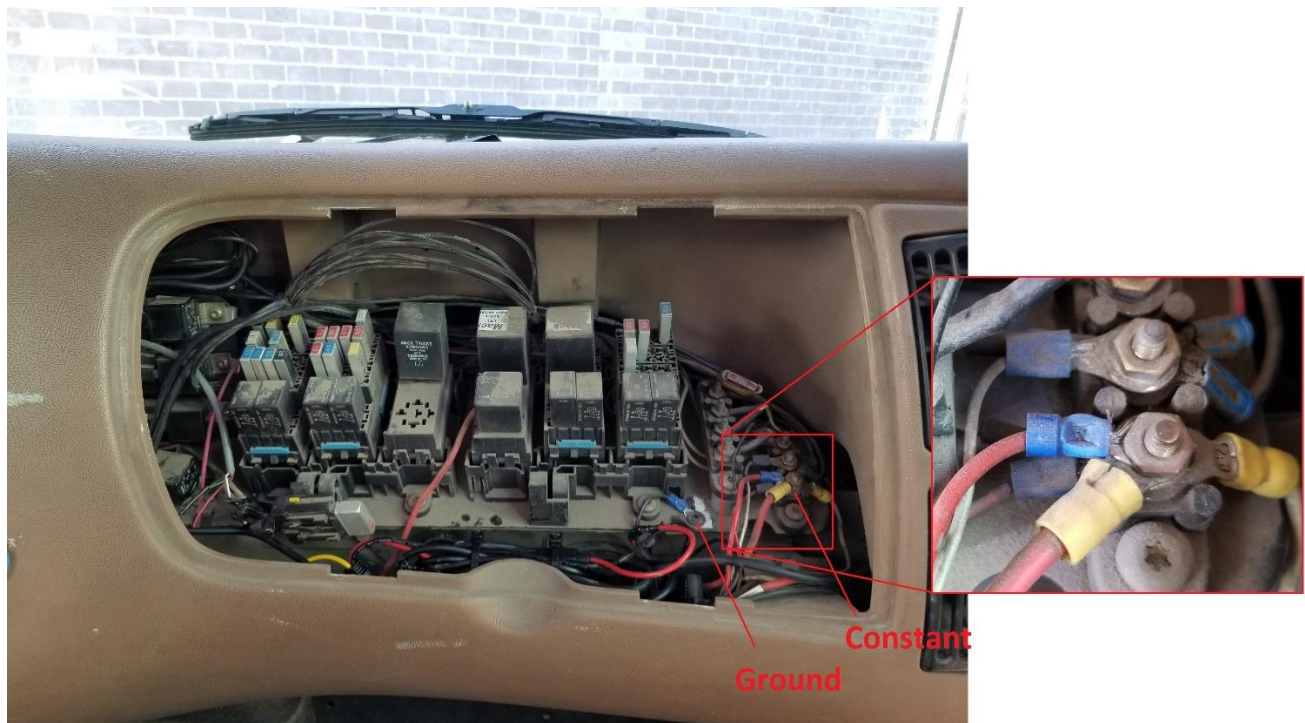




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Step 2- Power Connections:

- The Constant wire is located on the terminal panel, the ignition wire is located at the power outlet plug, and the ground wire is located on the metal bracket, next to the terminal panel
- Crimp a ring terminal on the constant wire of the DVXC4 Recorder power harness
- Connect the RED constant wire to the first terminal of the fuse box as shown below
- Connect the BLACK wire to the metal bracket next to the terminals as shown in the photo below

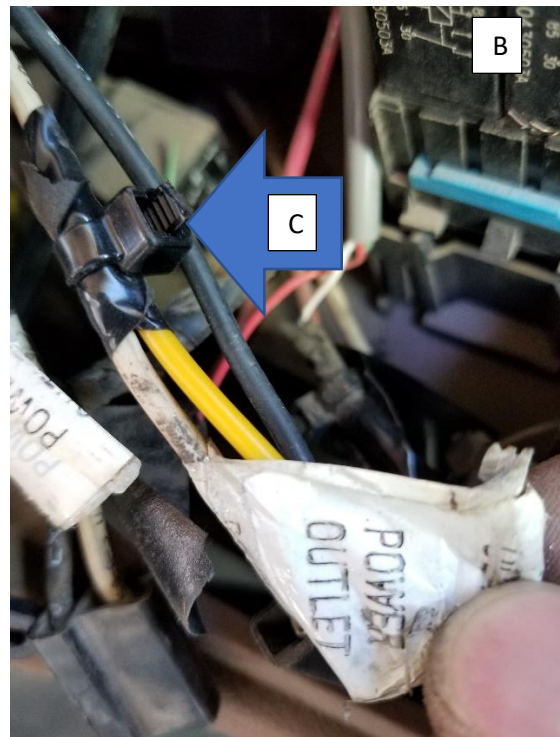




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Step 2- Power Connections (Continued)

- Locate the power outlets on the right side of the dash (Photo A)
- Connect the YELLOW ignition wire to the vehicles WHITE wire (Photo B)
- Make sure to secure the connection with a zip tie as described in the Military Splice Installation Guideline (C)



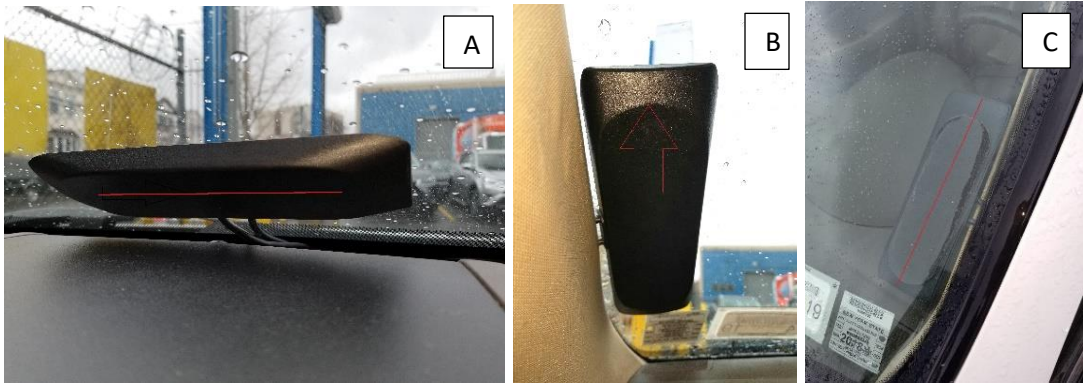


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Step 3 - Antenna Mounting:

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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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

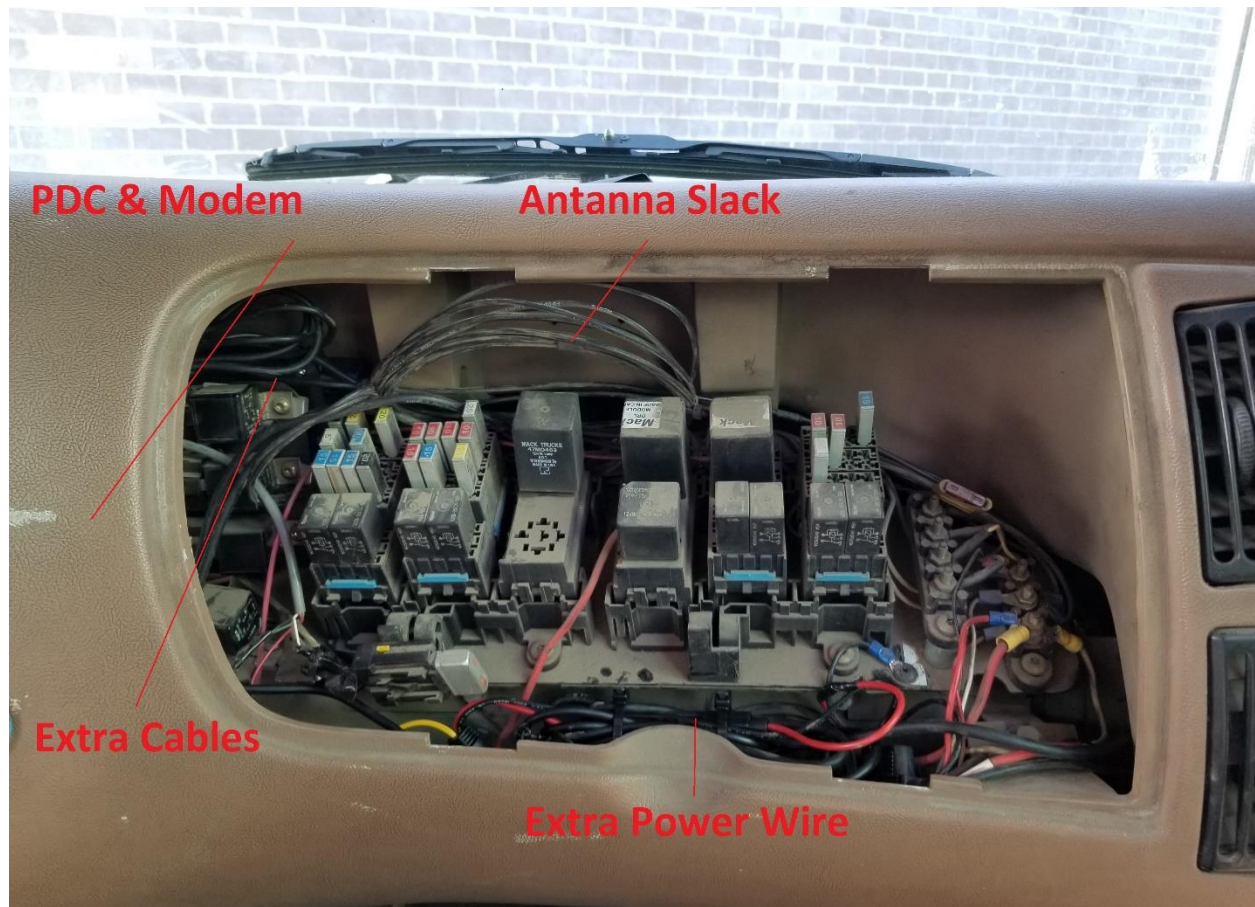




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Step 5 - PDC & Modem Mounting Location:

- The PDC & the Modem are located behind the center console with access from the fuse panel. Zip tie the PDC & Modem to the factory harness & bracket.
- Neatly Bundle up excess cabling with a zip tie and tie it to a factory harness, or panel next to the PDC – **this is very important when working on heavy equipment vehicles. The constant movement and bouncing of the vehicle will cause wiring to fall or become loose.**



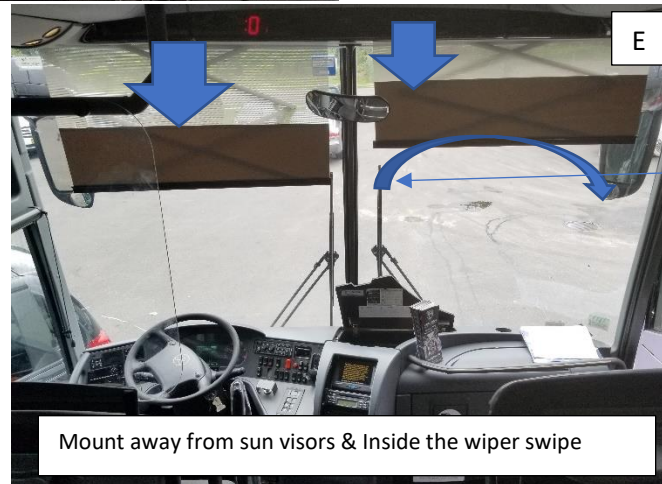
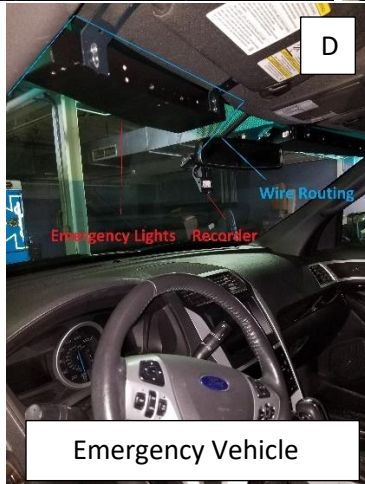
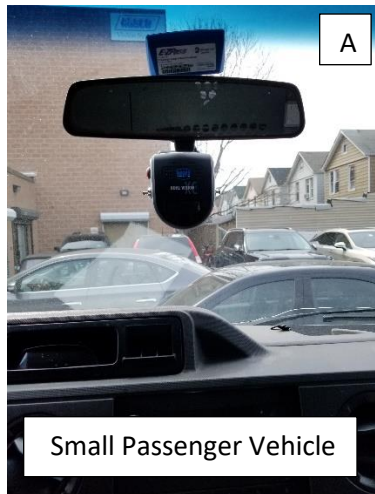
**PLEASE READ THE RECORDER MOUNTING & VHB TAPE INSTALLATION GUIDELINE BEFORE
PROCEEDING TO THE NEXT STEP**





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Step 6 - Recorder Mounting:



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 with the URL <https://rosco.roscolive.com/rosco/video/html5video.html?fleetToken=856822940&assetID=93917746>. The main content is a live video feed from a truck's perspective, showing a green truck at an intersection. The video has a timestamp of 2018/05/10 08:17:00, channel CH1 Q1, and a resolution of 4FPS ROSCO. The RSSI signal is -13. 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 columns 'Status' and 'Live Video'. Below the table is a checkbox for 'Limit Allowed Assets' and a text input field for 'Allowed Assets' with the value '12'.

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

