



2009-2018 Ford E-250 Super Duty Van With key start only

This guide will show the proper way to install a Dual-Vision XC4 Camera in a 2009-2018 Ford E-250 Super Duty Van. Please review the Service Bulletins for grounding and making connections prior to installing. In this guide you will find dash removal, wire locations, & mounting locations.

Use Tool1130 For Recorder angle adjusting (Optional)

PLEASE NOTE: THIS GUIDE IS FOR NON-PUSH TO START IGNITION SYSTEMS ONLY!

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

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.

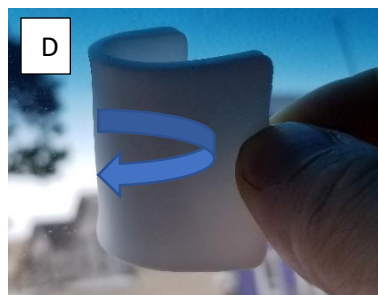


- A- Squeeze to release primer and apply to the windshield
- B- Apply Primer to the bracket
- C- Wait for the primer to dry leaving a dull haze on the windshield

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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Step 1 - Dash Removal:

- Remove the two 7MM bolts located at the bottom of the dash, holding the OBD plug.

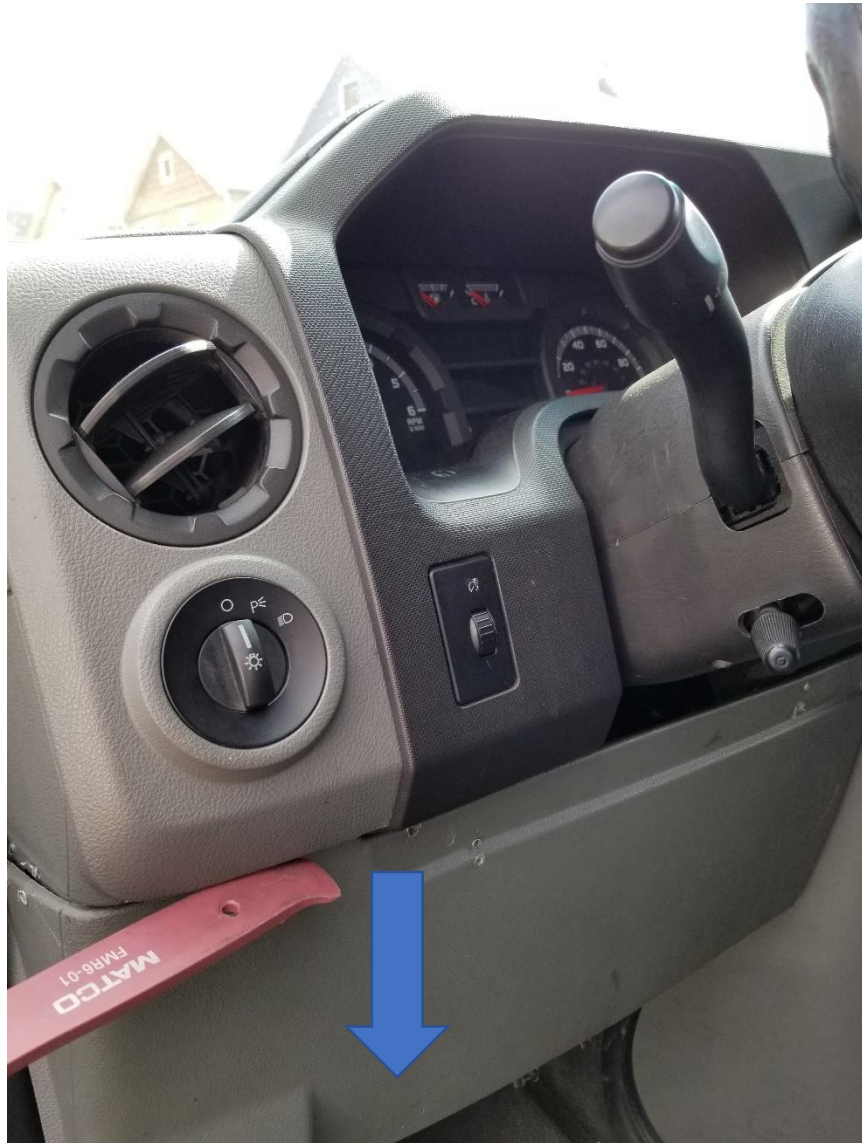




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Dash Removal (Continued):

- Using a panel tool, pry the dash starting at the top and pull the panel down.
- Remove the two 8MM bolts securing the vehicles A Pillar





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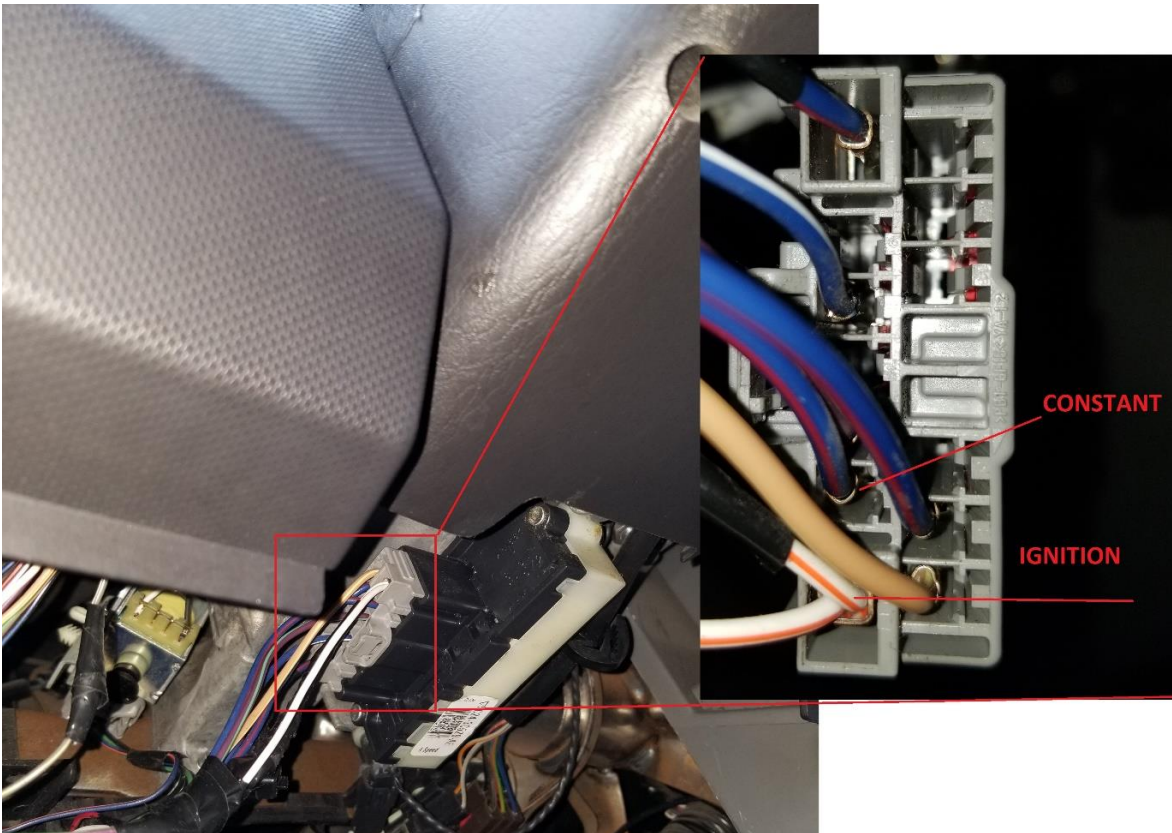
Step 2 - Power Connections:

Locate the vehicles Gray 13 Pin Plug located under the dash attached to the steering column (Photo D)

- Connect your 12 Volt CONSTANT wire to the vehicles Blue/Red wire at pin #2 #7 or #9
- Connect your IGNITION wire to the vehicles White/Orange wire at pin #1

BE SURE TO REVIEW THE INSTALLATION TECHNIQUES GUIDELINE FOR REQUIRED WIRE CONNECTIONS

D



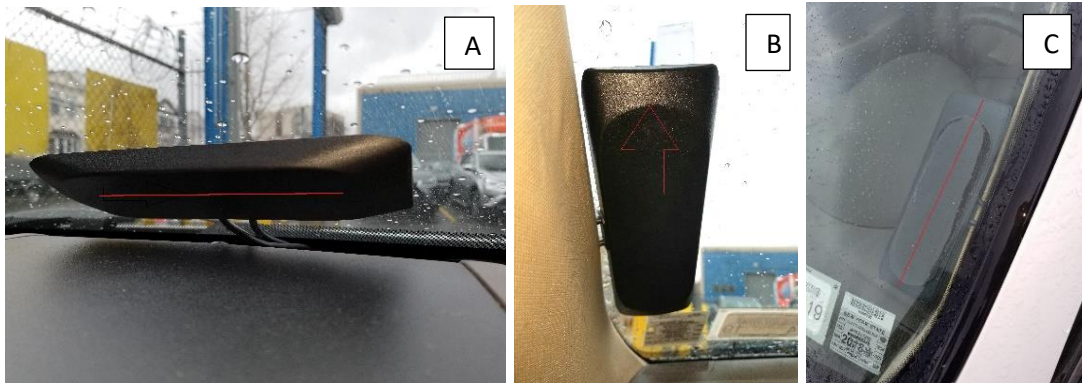


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Step 3 - Antenna Mounting:

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 Modem can be attached to the support bracket on the left side of the dash, secured with a Zip Tie.
- Secure the same position as shown below, using the bottom mounting hole of the modem



Secure with a Zip Tie





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PDC & Modem Mounting Location (Continued)

- Coil up the extra antenna cable and store it on top of the modem

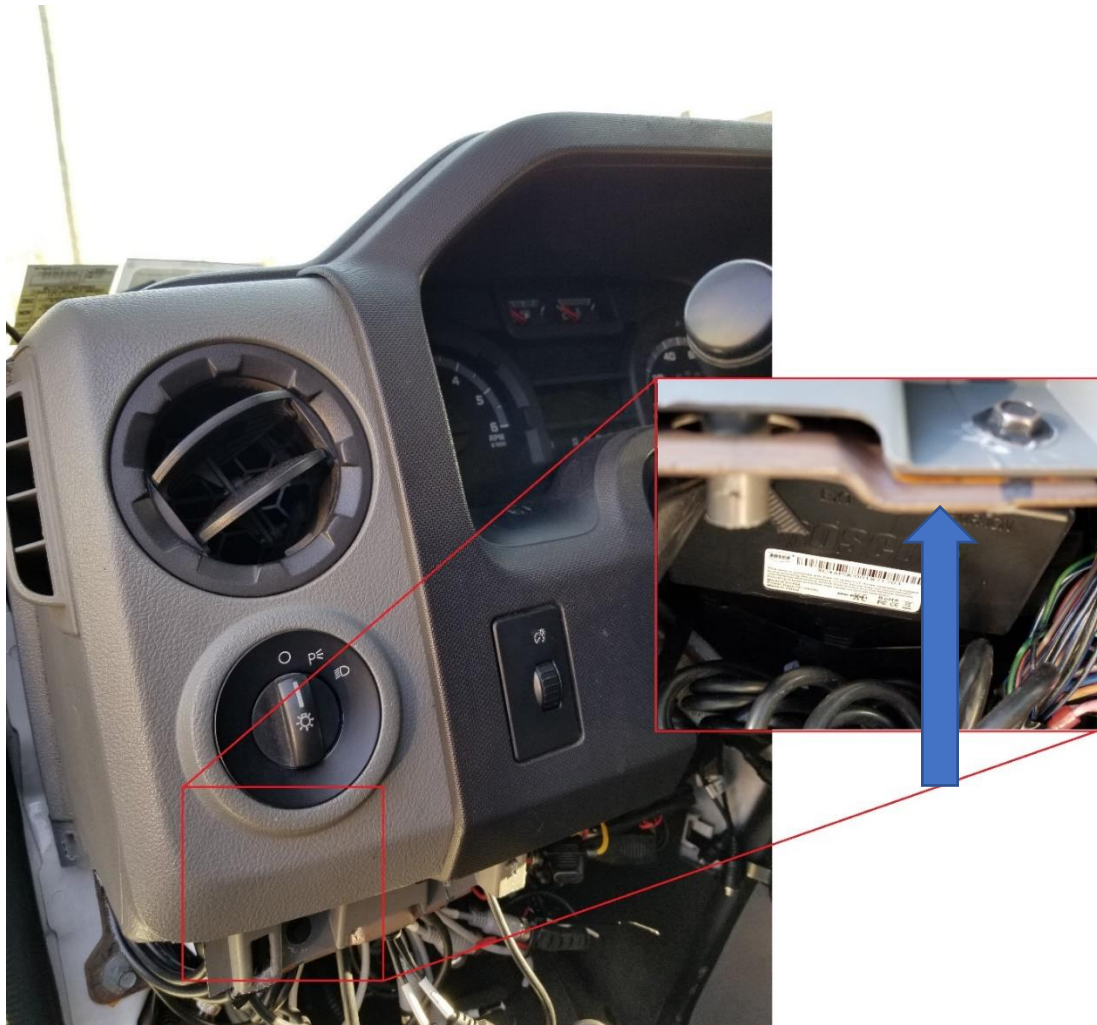




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PDC & Modem Mounting Location (Continued):

- The PDC is mounted behind the parking light controls, secured with a zip tie to the plastic dash panel
- Mount the PDC with the small side wedged on to of the metal support bar and secure the PDC harness to the dash (Blue Arrow) with a Zip Tie.



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

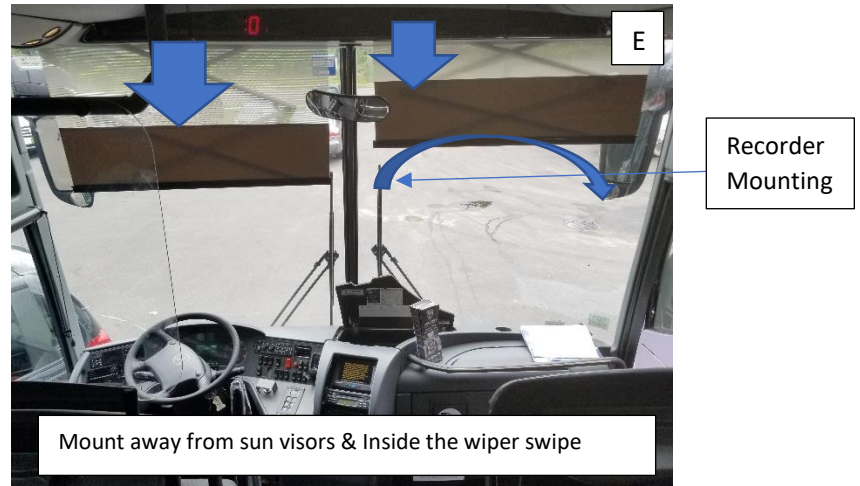
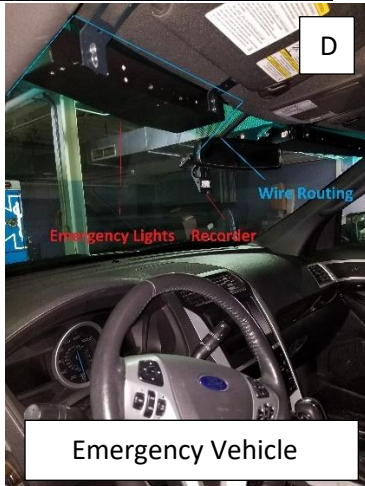
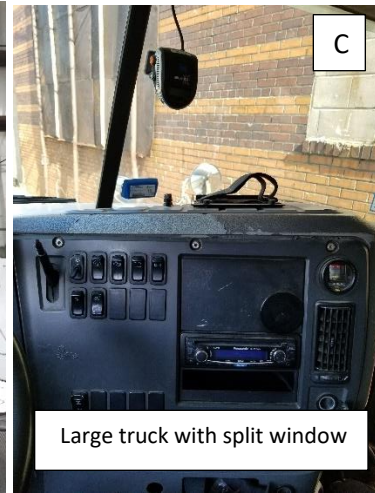
Follow the Bracket Adjusting Tool Guideline (MNL402T) for correct recorder angle





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Step 6 - Recorder Mounting & 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 with the URL www.roscolive.com/Administration/Fleets/EditFleet.aspx?f=211. The main content area displays a live video feed from a camera mounted on a vehicle. The video shows a white van in a garage. The video player has a timestamp of 2018/05/10 07:57:22, camera ID CH1 Q1, and a resolution of 4FPS ROSCO. The RSSI signal is -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 columns 'Status' and 'Live Video'. Below the video player is a checkbox for 'Limit Allowed Assets' 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

For any install procedure questions please email:

techsupport@roscovision.com

