



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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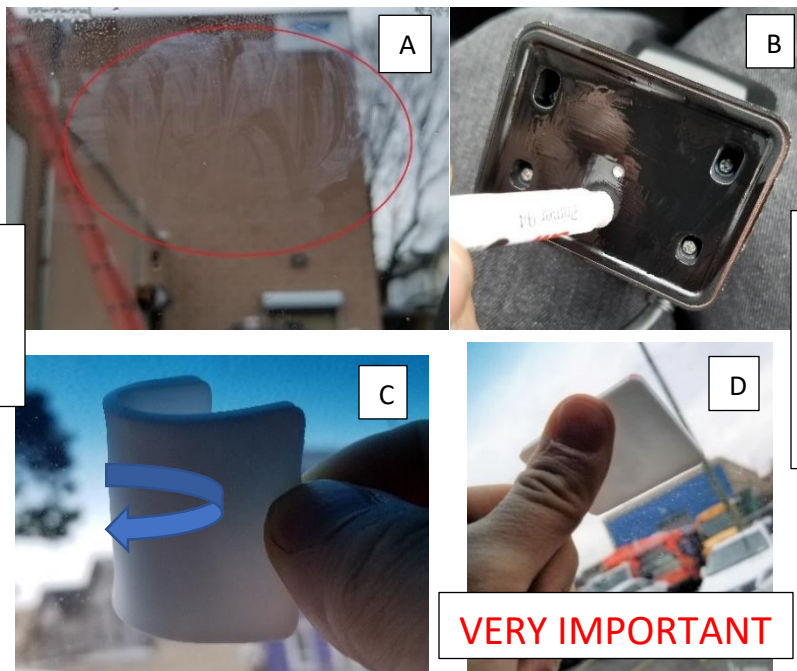
IMPORTANT: Windshield Mounting should only be performed when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of adhesive.

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

This assumes you have already performed one temporary install to determine proper Recorder location

Before starting your install, Clean the windshield with 70% Isopropyl Alcohol & allow time to dry

Giving the VHB tape time to cure before mounting the Recorder will give you a permanent bond and prevent recorders from falling off the windshield



Do not use any other cleaning product on the windshield!

Commercial glass cleaners contain surfactants & denatured alcohol which can reduce the effectiveness of the adhesive

- A- Apply Primer to the mounting location on the windshield. It will leave a film when dry.
- B- Apply Primer to the bracket. Leave the bracket on the dash away from contaminants.
- C- After the primer is dry and the windshield is the correct temperature, apply the VHB tape marked PERMANENT by ROLLING the tape onto the glass to avoid air bubbles.
- D- **VERY IMPORTANT - Push firmly around all edges of the VHB tape. Apply pressure for 30 seconds**

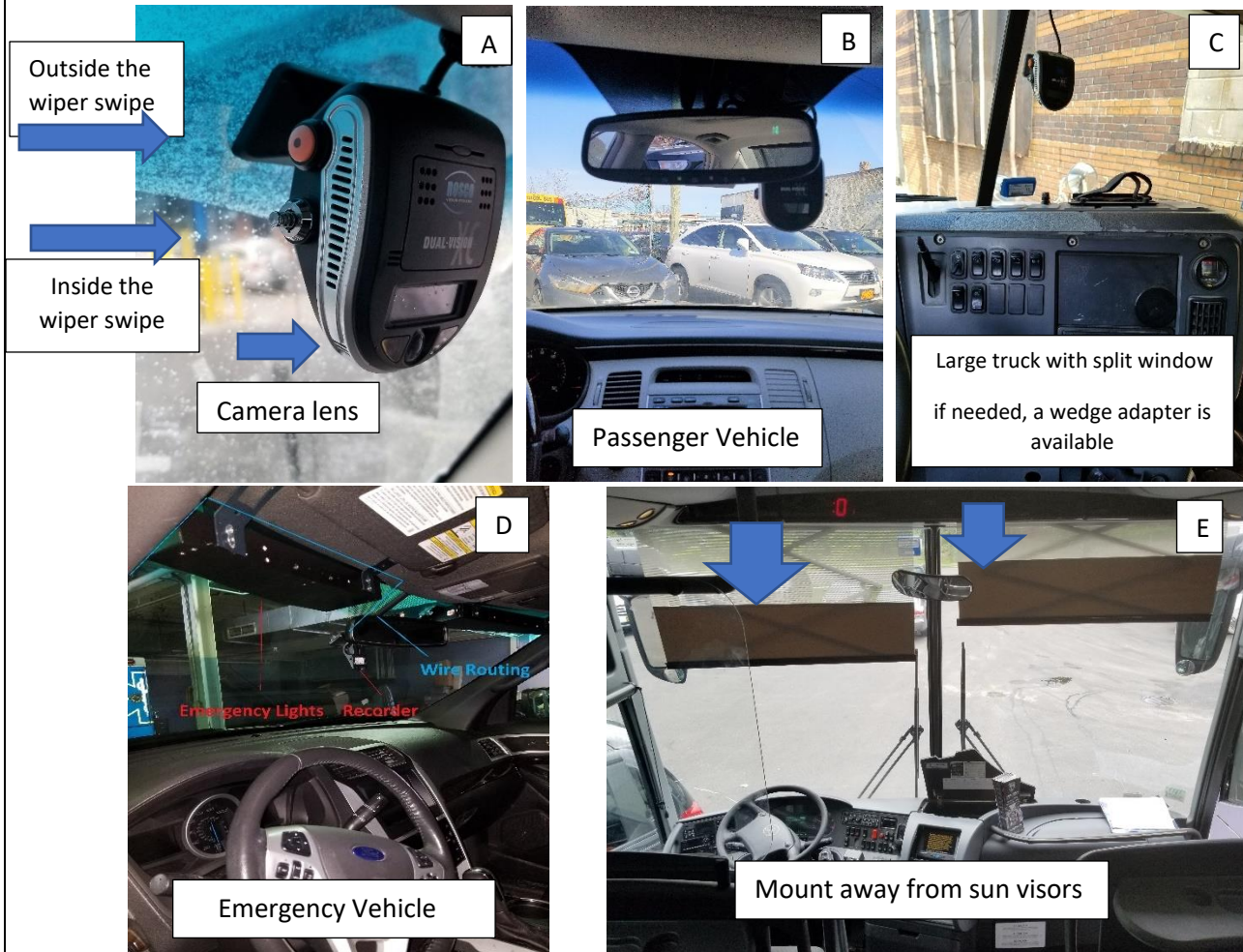
Proceed to the next page for Step 1 of the installation. **Apply the bracket to the windshield during the last step of the install**





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Mount the bracket in a location that allows the lens to be inside the wiper swipe line (Photo A)



For passenger vehicles, mount the Recorder behind the rear-view mirror towards the passenger side (Photo B).

For larger trucks or buses, mount the Recorder as shown (Photo C) and make sure the lens is INSIDE the wiper swipe.

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

Always pull down the vehicle sun visors to make sure they don't block or interfere with the Recorder or the video (Photo E).





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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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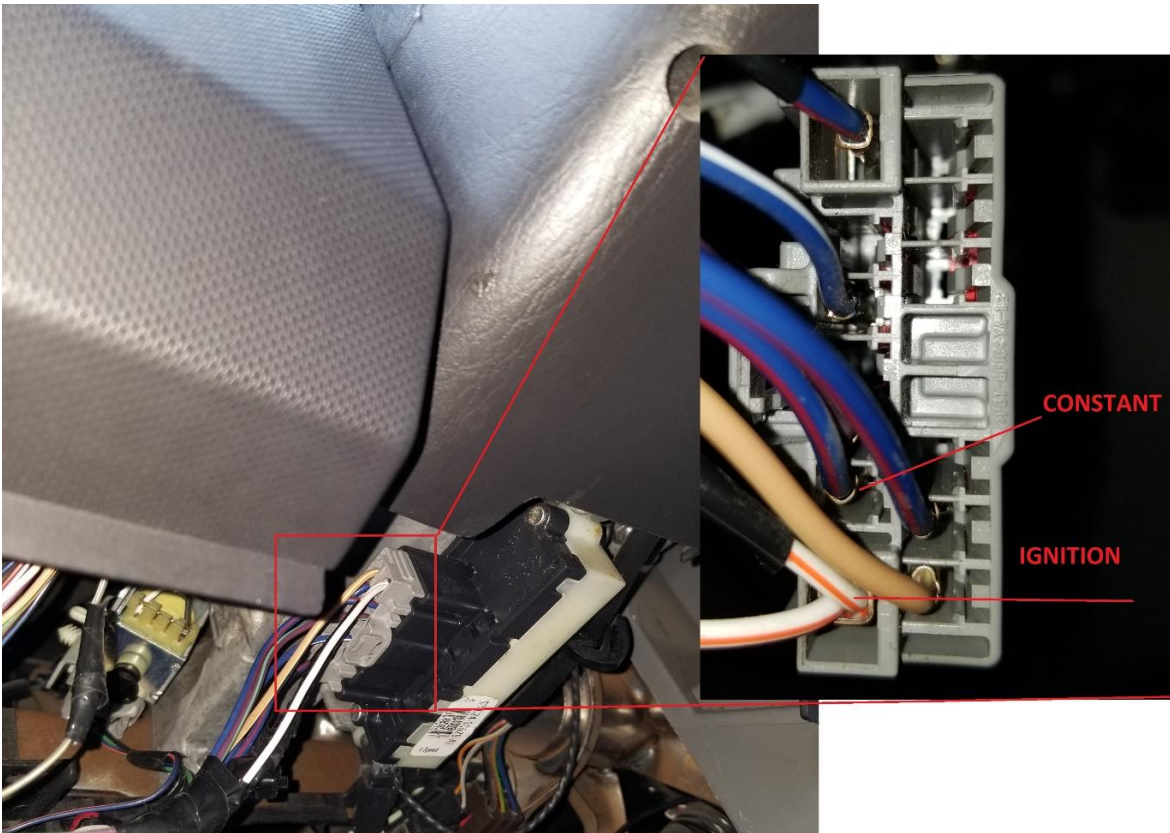
Step 2 - Power Connections:

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:

It's important to mount the antenna on the windshield, with a clear view of the sky

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

Front of Antenna (Flat part needs a clear view of the sky). Bottom of Antenna (Curved part) facing inside the vehicle



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



A

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



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

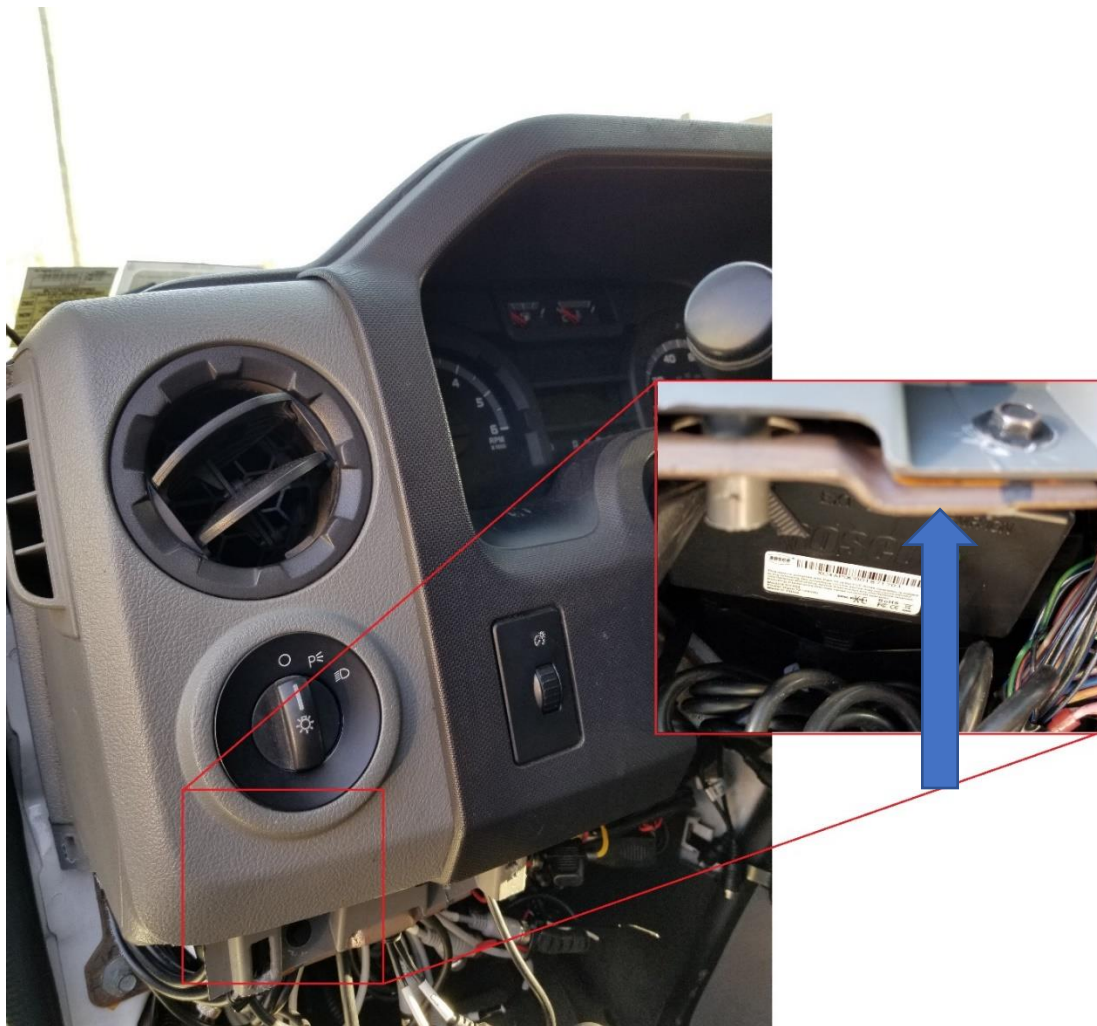




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PDC & Modem Mounting Location (Continued):

- 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 - Camera Mounting and wire Routing:

IMPORTANT: Windshield Mounting should only be performed when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of adhesive

At this point you can now mount the Recorder bracket to the VHB tape applied to the windshield on Step 1

Mount the bracket to the VHB tape and apply pressure for 30 seconds (A)

With the vehicle off, hook the Recorder to the bracket from the top (1), then swing down (2)





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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 labeled 'HA103 - Live - Microsoft Edge'. The video shows a white van in a garage. The video player has a timestamp '2018/05/10 07:57:22' and 'CH1 Q1 4FPS ROSCO'. Below the video player are four numbered buttons (1, 2, 3, 4) and a search bar with 'Search' and 'Clear Search' buttons. To the right of the video player is a table with 'Status' and 'Live Video' columns. Below the table is a checkbox for 'Limit Allowed Assets' and a text input 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

