



2017-2018 Ford Step Van Installation Guide

This guide will show the proper way to install a Dual-Vision XC4 Camera in a 2017-2018 Ford Step Van. 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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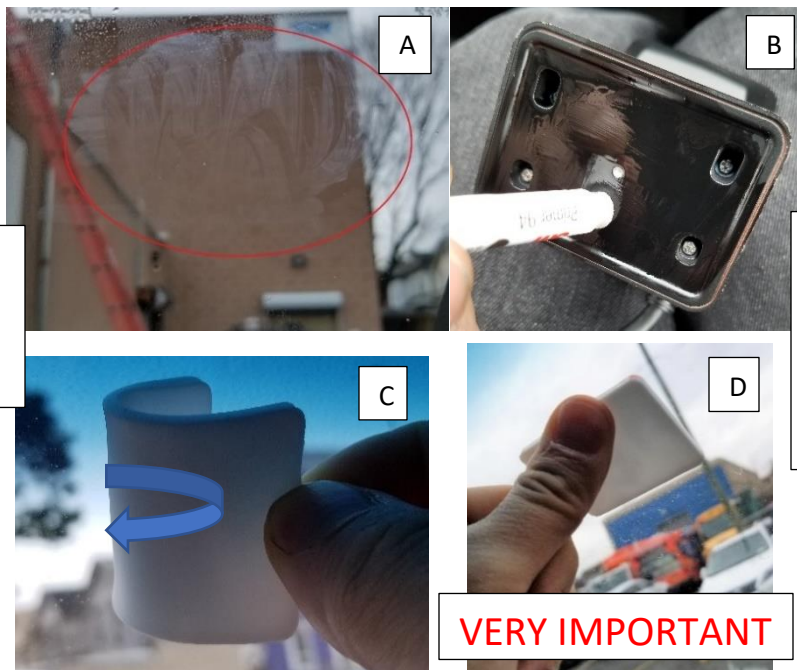
IMPORTANT: Windshield Mounting should only be performed when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of adhesive.

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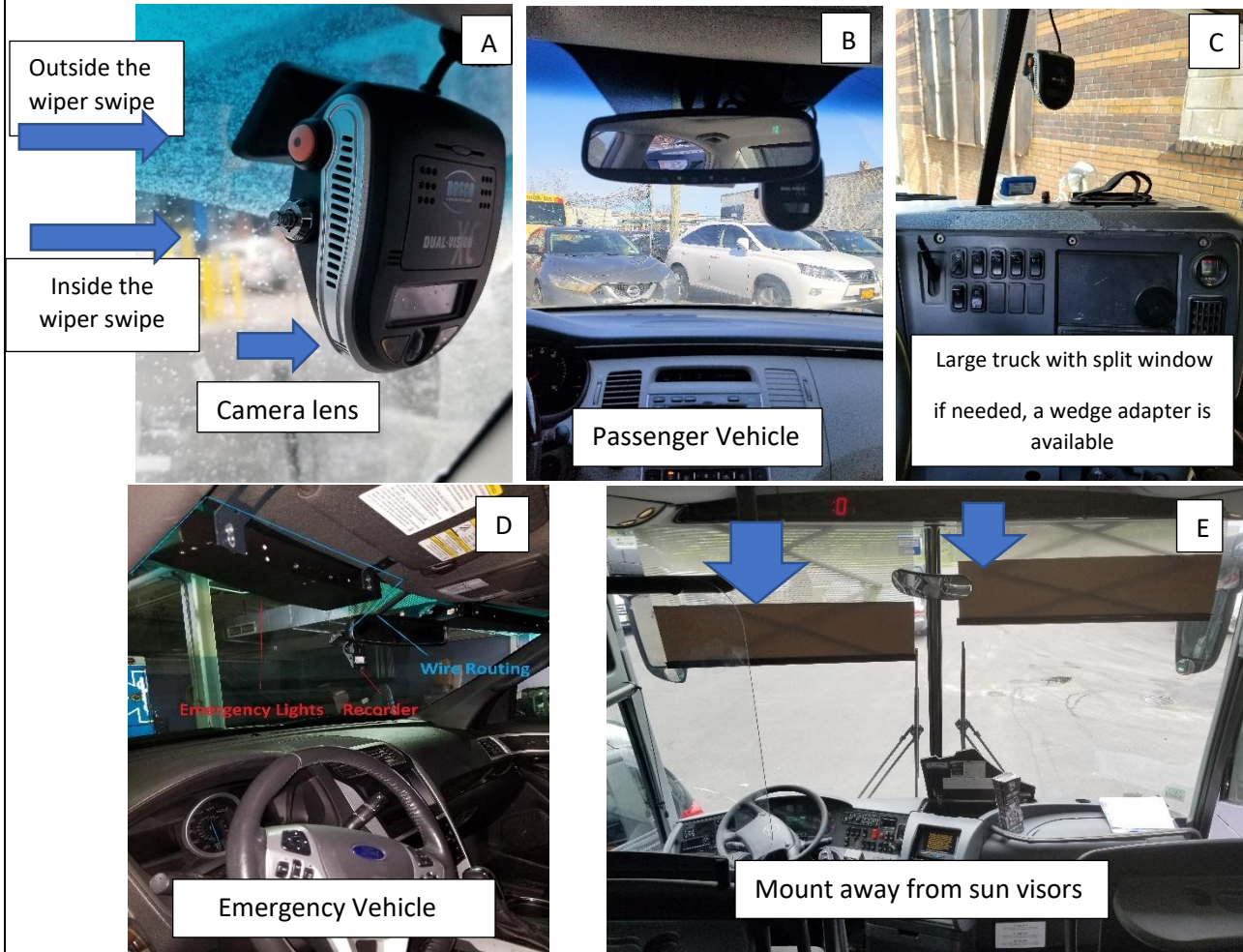
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Mount the bracket in a location that allows the lens to be inside the wiper swipe line (Photo A)



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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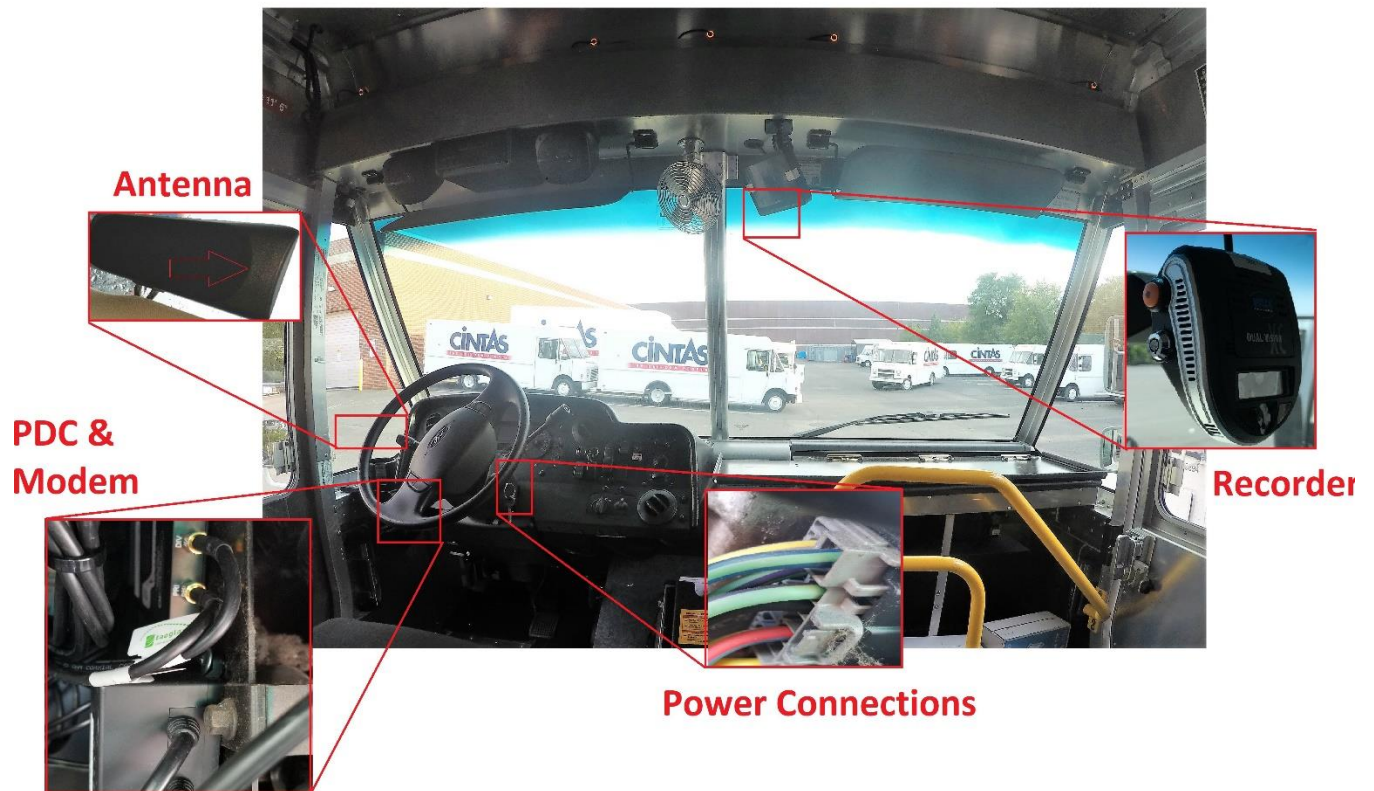
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Installation Layout



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

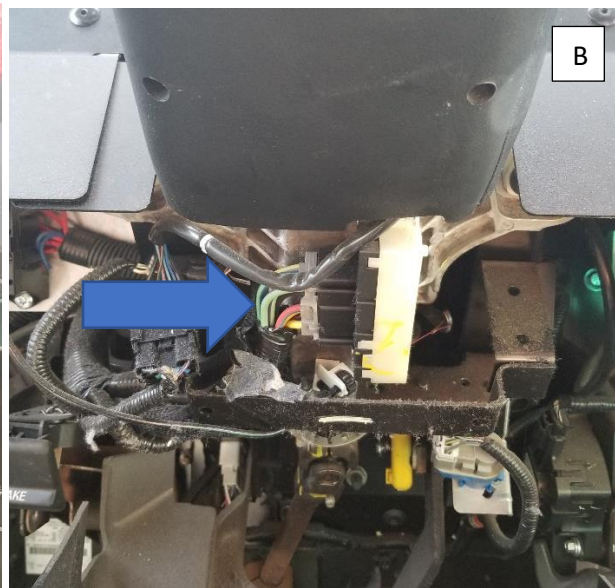




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Step 1 - Dash Removal:

- Using a panel tool, remove the two nylon clips securing the lower dash panel (Photo A)
- Locate the ignition harness (Photo B)

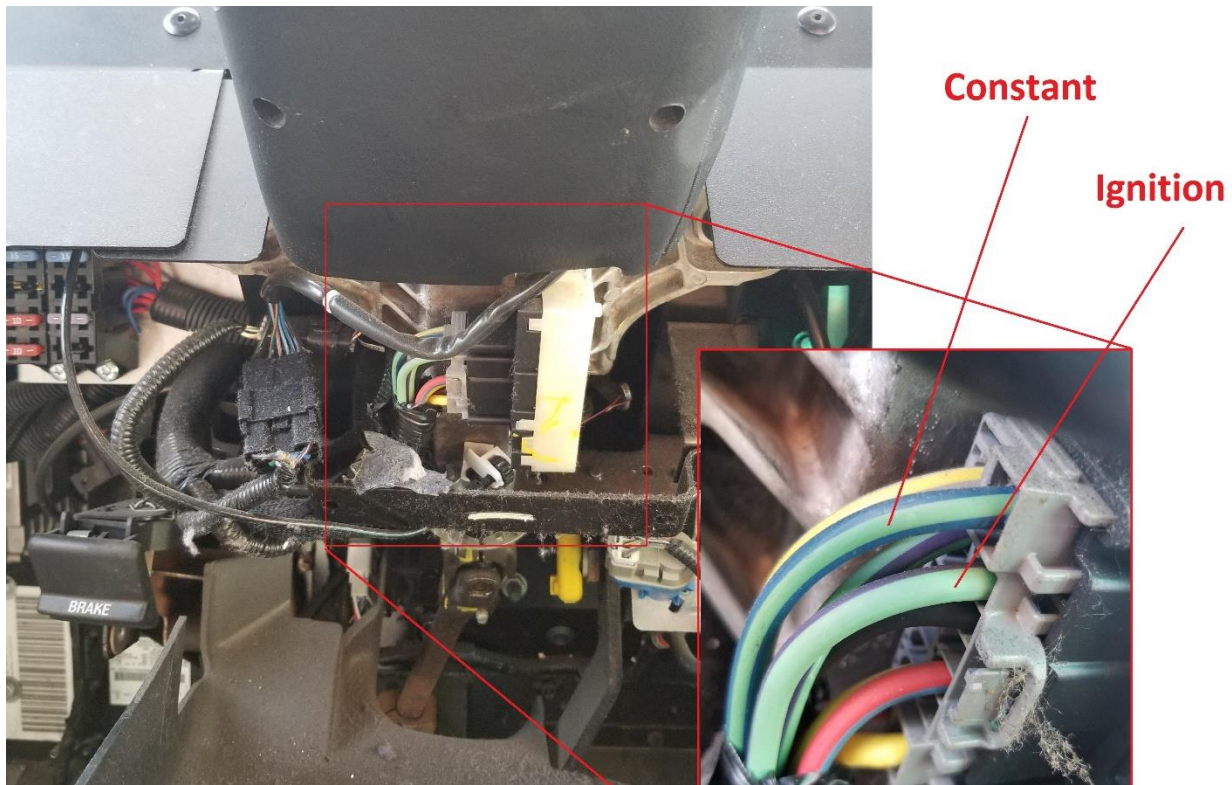




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Step 2 - Power Connections:

- Connect the RED Constant wire to the Vehicles Blue/Green Wire
- Connect the YELLOW ignition wire to the vehicles Green/Purple wire
- Connect a ring terminal on the BLACK ground wire
- Using a self tapper, ground the wire to the metal support brace behind the ignition wire

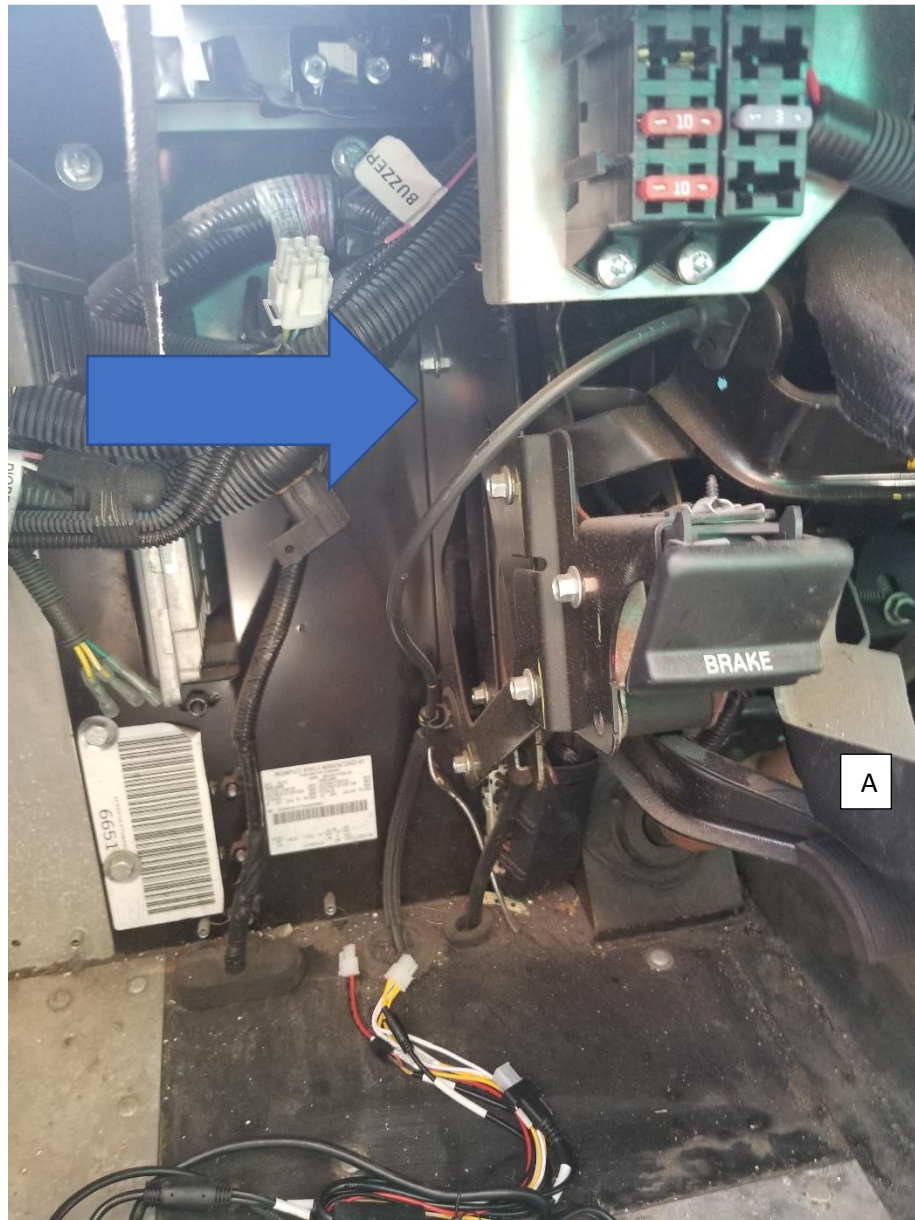




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Step 3 – PDC & Modem Mounting

- The PDC & Modem are mouted with self-tapping screws
- Locate the metal plate under the dash, on the left side of the steering column behind the fuse box





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Please see Installation Layout on Page 2 for exact mounting location

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)



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 5 - 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

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



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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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Wire Routing (Continued):

- Remove the six Philip screws on the top metal panel (Photo A)



Wiring can be routed behind the metal beam (Arrow A) and zip tied to the factory harness.

Route the cable under the dash to the PDC following factory harness routing.

Make sure to use zip ties to secure all cables

The metal in the above compartment is sharp!

When routing cables in the top compartment (Photo B) make sure the cable is protected and not cut on the metal brackets when routing

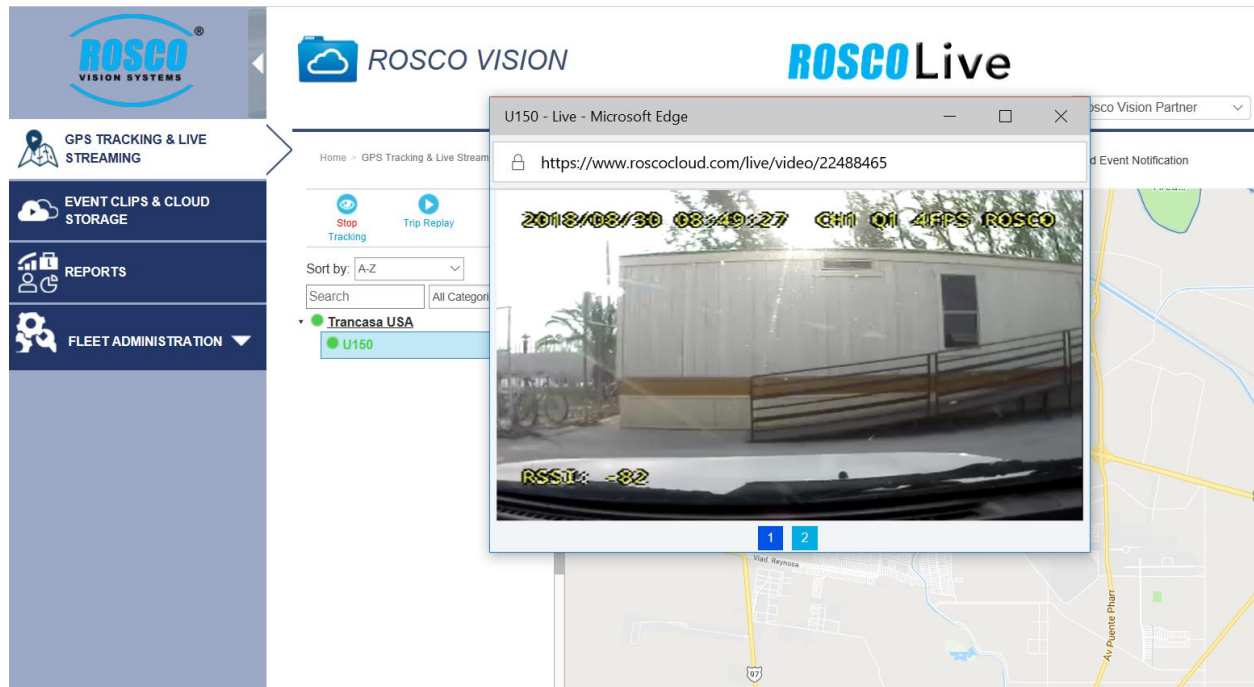
Make sure all wires are protected to prevent shorts or blown fuses





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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



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