



## 1985-2003 Ford Econoline

This guide will show the proper way to install a Dual-Vision XC4 Camera in a 1985-2003 Ford Econoline. 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.

Use Tool1130 For Recorder angle adjusting (Optional)

**THIS GUIDE WILL WORK WITH DIESEL & STANDARD VEHICLES**

**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 15<sup>th</sup>, 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](mailto:Techsupport@Roscovision.com)



**Gray – Installation Warning**

**Red – Urgent Warning**

**Blue – Extra Installation Parts Needed**

**Purple – New Installation**



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1985-2003 Ford Econoline



## 1985-2003 Ford Econoline

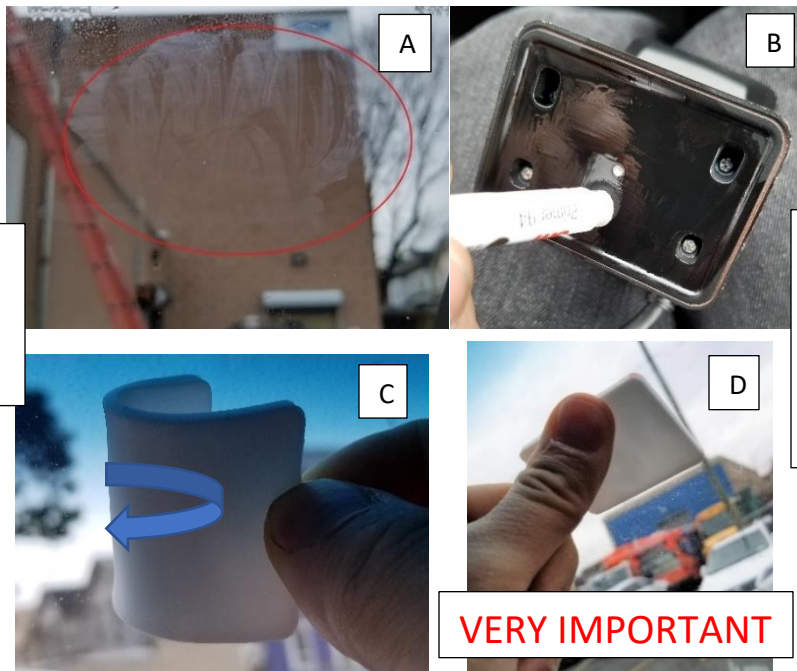
**IMPORTANT:** Windshield Mounting should only be performed when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of adhesive.

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

**VERY IMPORTANT**

- 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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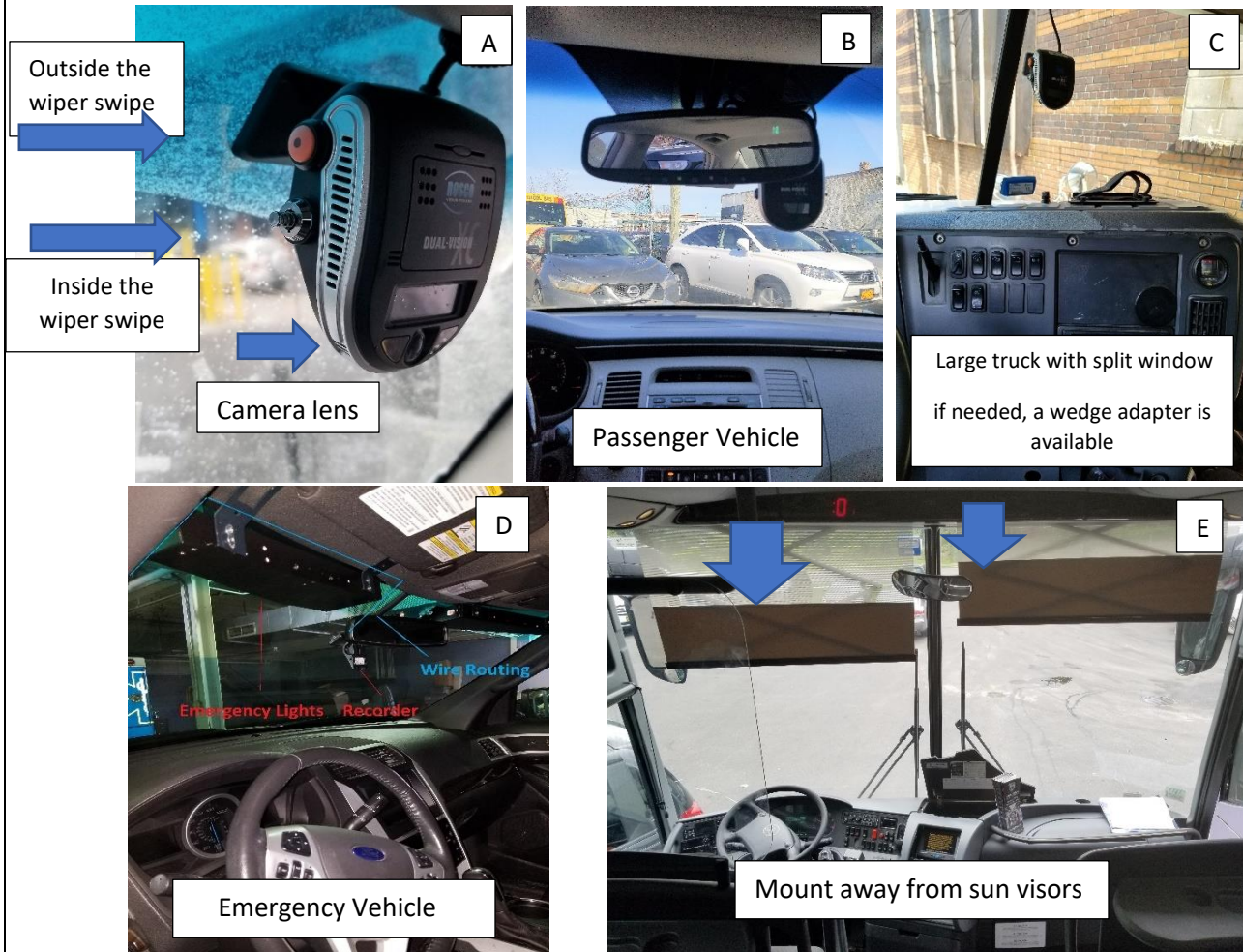
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1985-2003 Ford Econoline



## 1985-2003 Ford Econoline

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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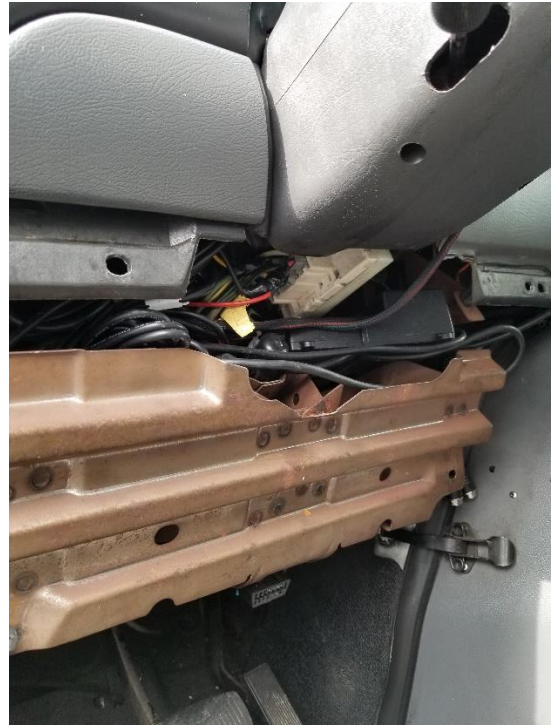
1985-2003 Ford Econoline



## 1985-2003 Ford Econoline

### Step 1 - Dash Removal:

- Starting from the top pry the lower dash panel and pull down to remove



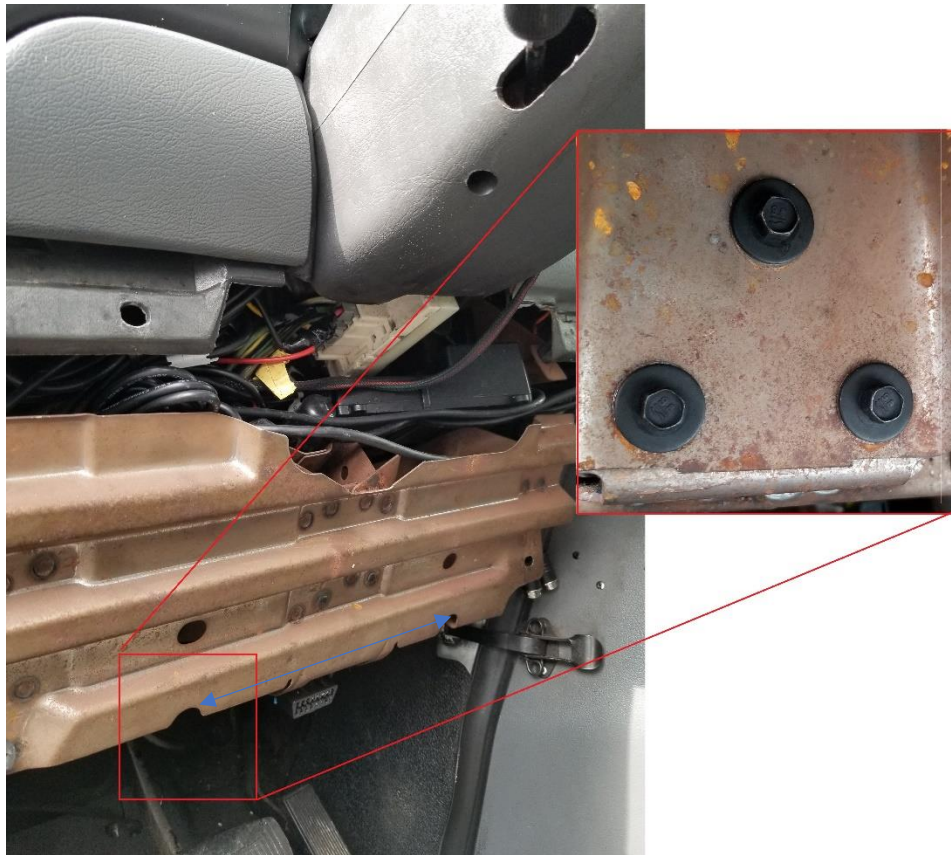




## 1985-2003 Ford Econoline

### Dash Removal Continued:

- Remove the Three 8MM bolts on both sides of the metal support brace (6 in total)
- This will give you access to power connections & mounting location.

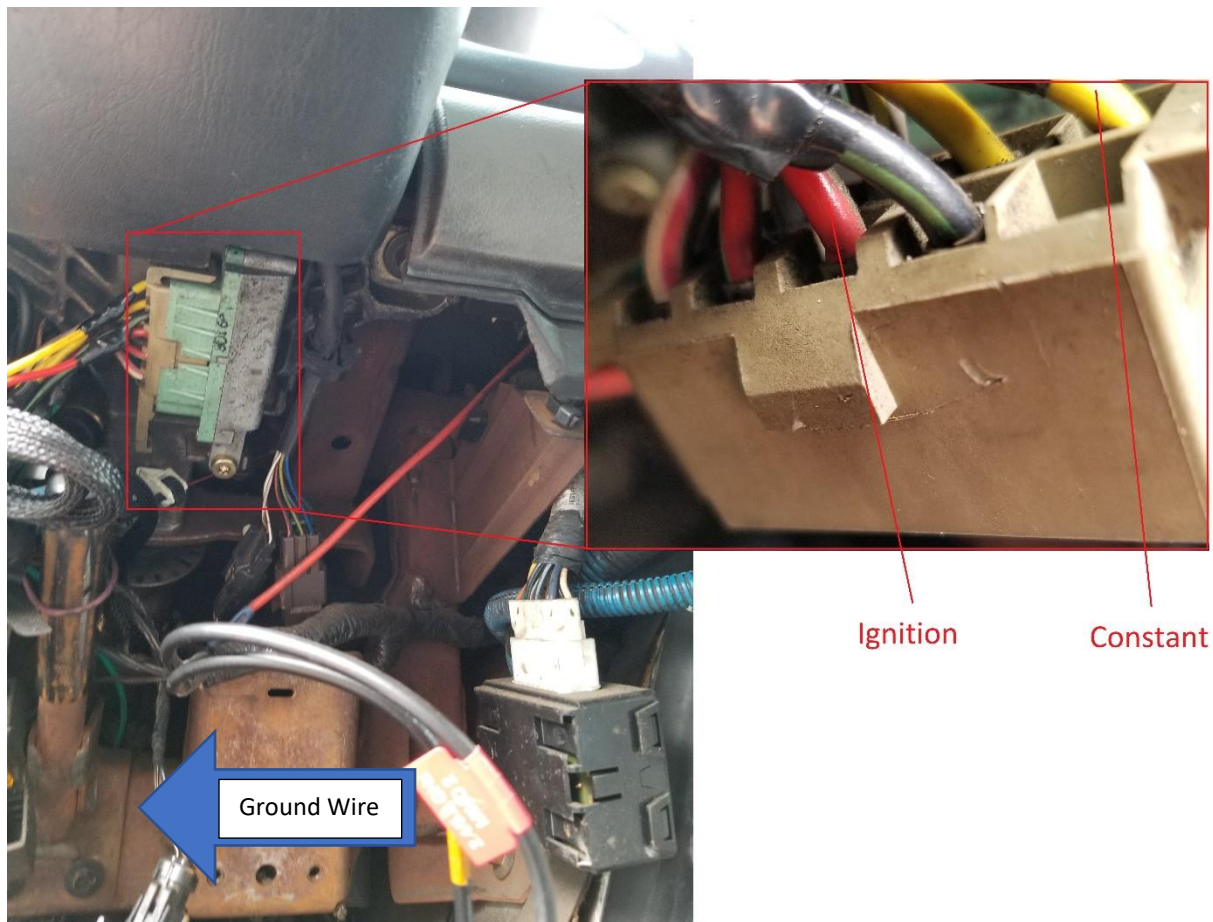




## 1985-2003 Ford Econoline

### Step 2 - Power Connections:

- Locate the green and tan ignition plug attached to the steering column
- Connect the RED **Constant** wire to the vehicles **Yellow** wire
- Connect the YELLOW **Ignition** wire to the vehicles **Red/Green** wire
- Refer to the Installation Techniques Guideline for proper wire connecting
- Make your ground connection on one of the metal support braces under the dash



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1985-2003 Ford Econoline



## 1985-2003 Ford Econoline

### 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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1985-2003 Ford Econoline





## 1985-2003 Ford Econoline

### 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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1985-2003 Ford Econoline





## 1985-2003 Ford Econoline

### Step 5 - PDC & Modem Mounting Locations:

- The Modem can be attached to the factory harness on the left side of the cavity behind the dash
- Secure the modem with a zip tie

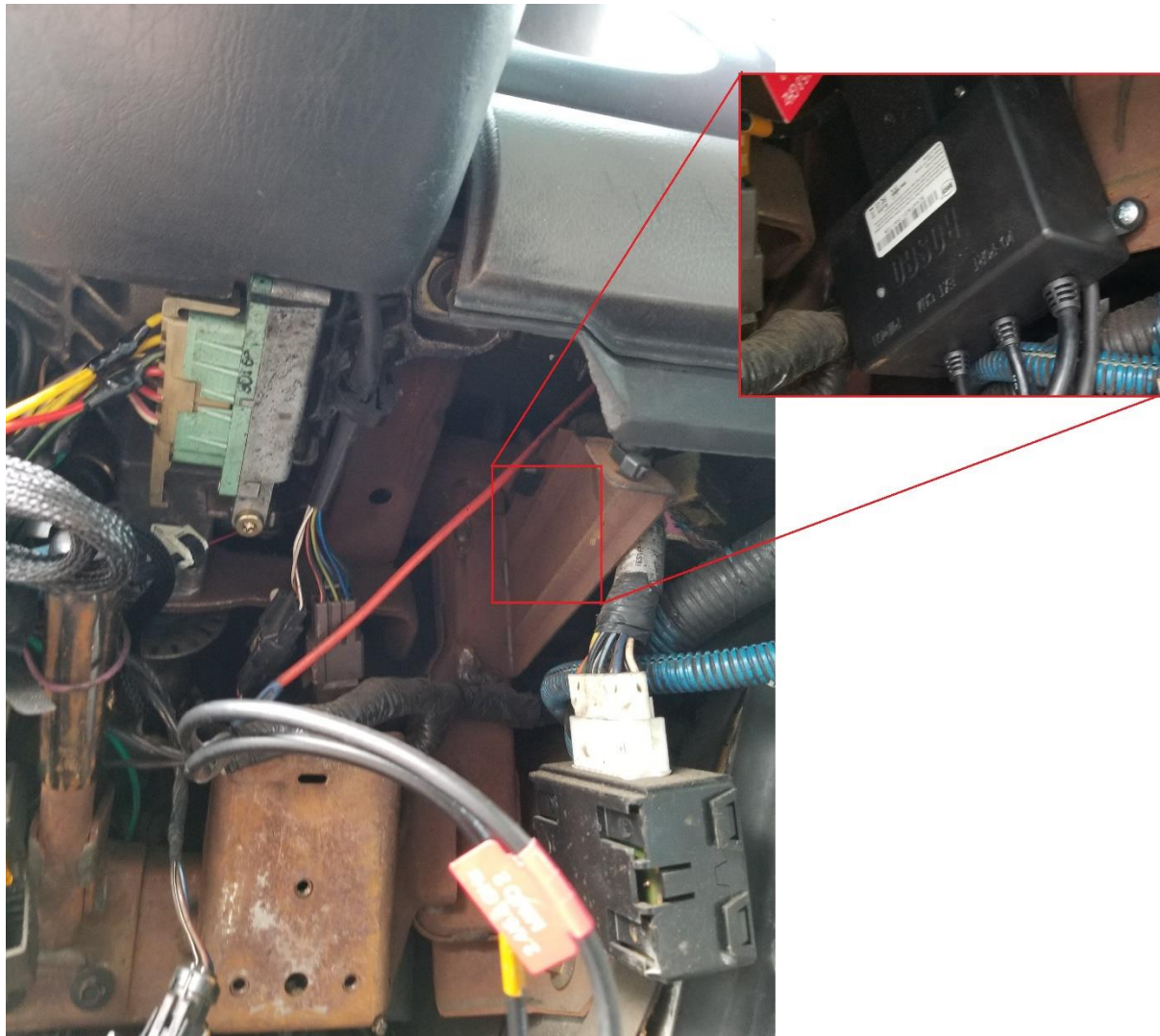




## 1985-2003 Ford Econoline

### PDC & Modem Mounting Location Continued:

- Mount the PDC with a self-taping screw on the support located on the right side of the dash cavity





## 1985-2003 Ford Econoline

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.**

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



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1985-2003 Ford Econoline





## 1985-2003 Ford Econoline

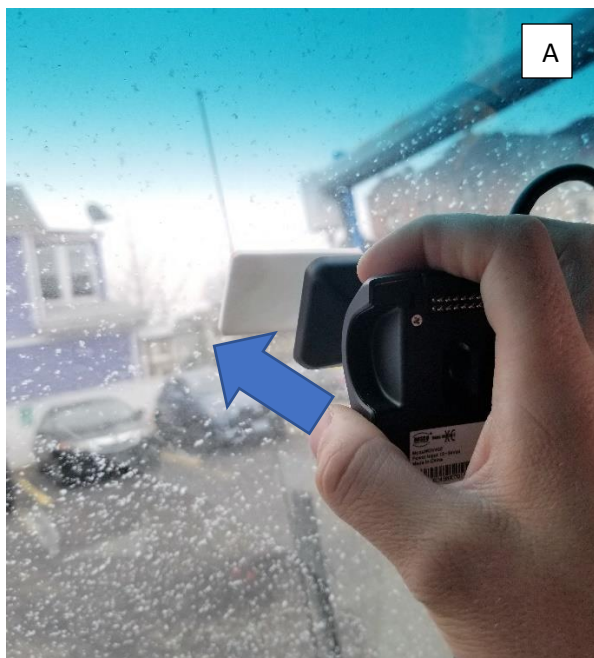
### Step 6 - Camera Mounting and wire Routing:

**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)





# 1985-2003 Ford Econoline

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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