



## 2010 Chevy/GMC Bus Installation Guide

This guide will show the proper way to install a Dual-Vision XC4 Camera in a 2010 Chevy/GMC Bus. 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 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 – Caution

Red – Warning

Blue – Extra Installation Parts Needed

Purple – New Installation

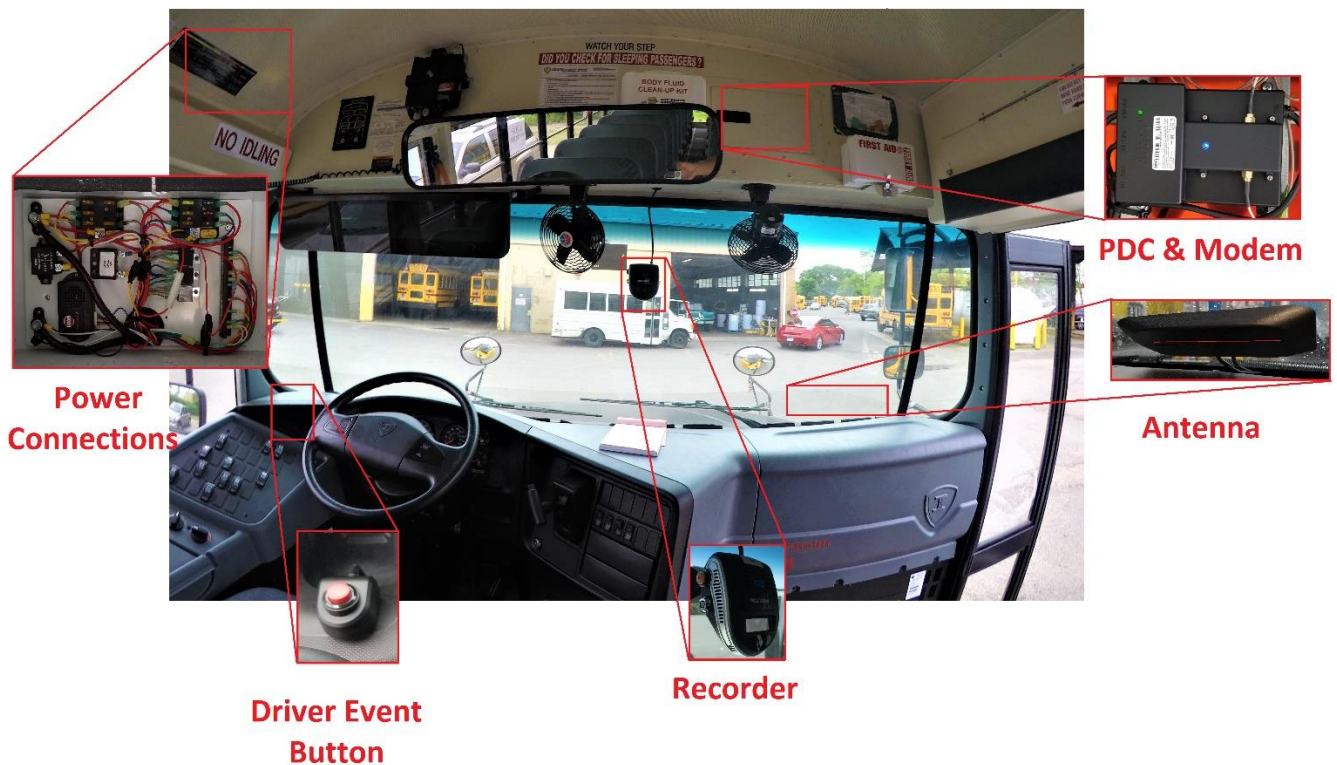




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## Installation Layout

**Always use a grommet when running wires through access panels**



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





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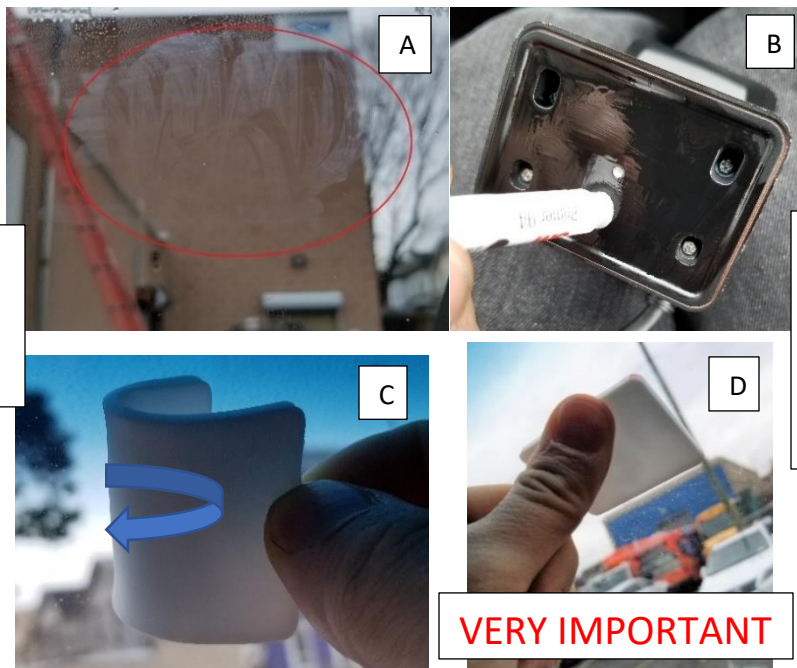
**IMPORTANT:** Windshield Mounting should only be performed when windshield temperature is within 50°F-100°F (10°C-38°C) to allow proper curing of adhesive.

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

**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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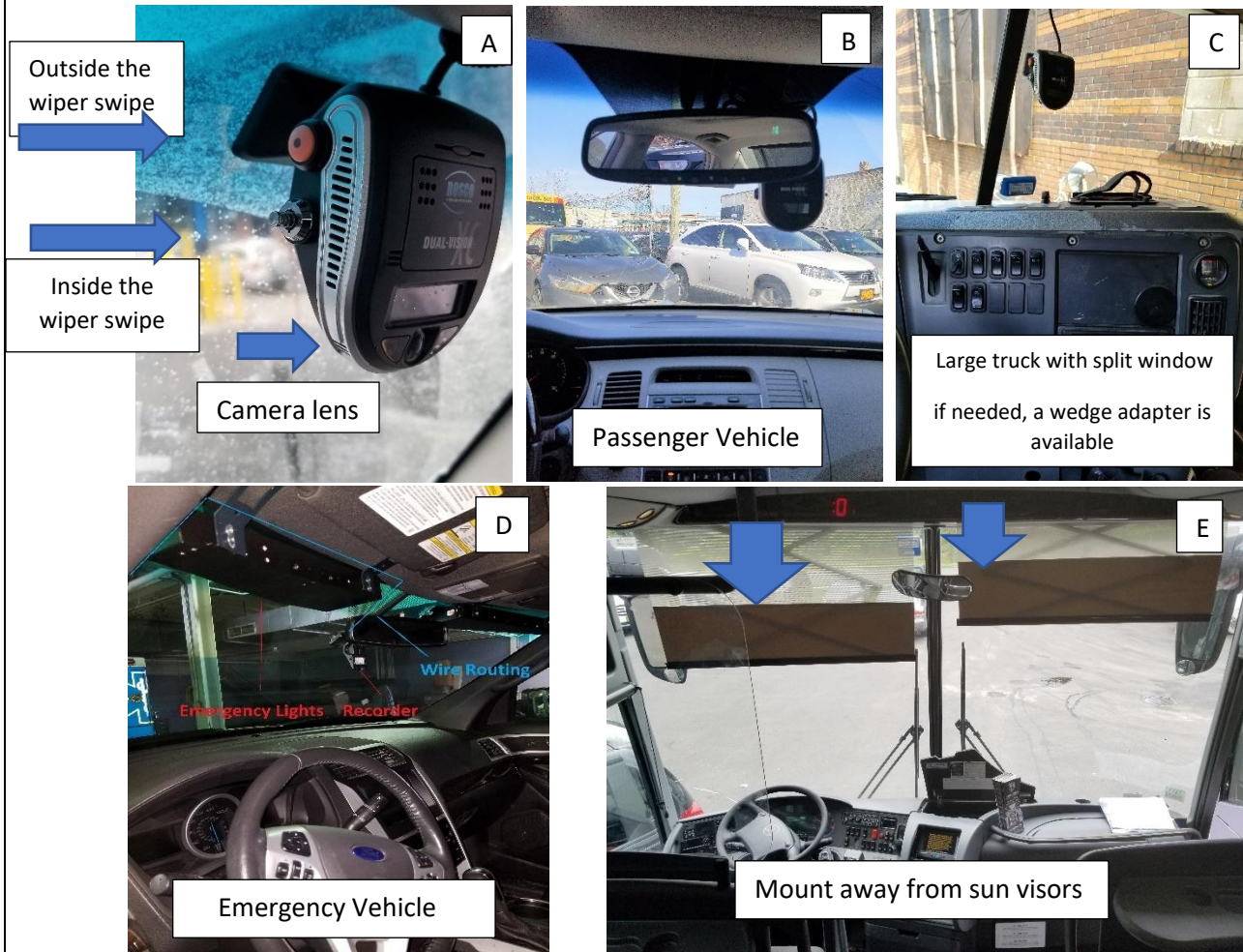
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## 2010 Chevy/GMC Bus Installation Guide

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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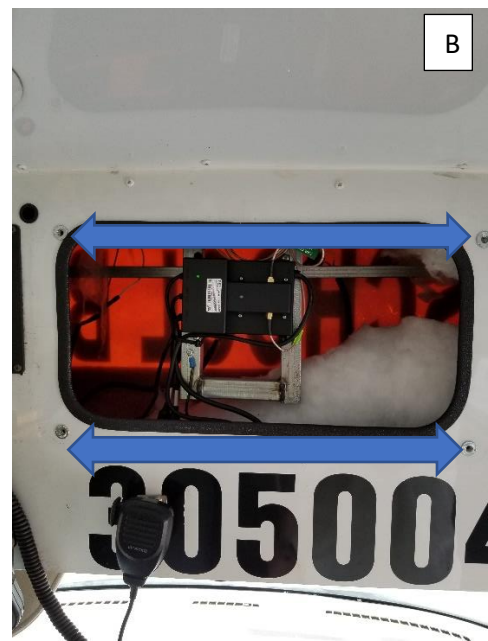
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### Step 1 - Panel Removal:

- Remove the four Philips screws on the front access panel located on top of the driver (Photo A)
- Remove the four Philips screws on the driver's side access panel located on top of driver's side door (Photo B)



Drivers Side Access Panel



Front Access Panel



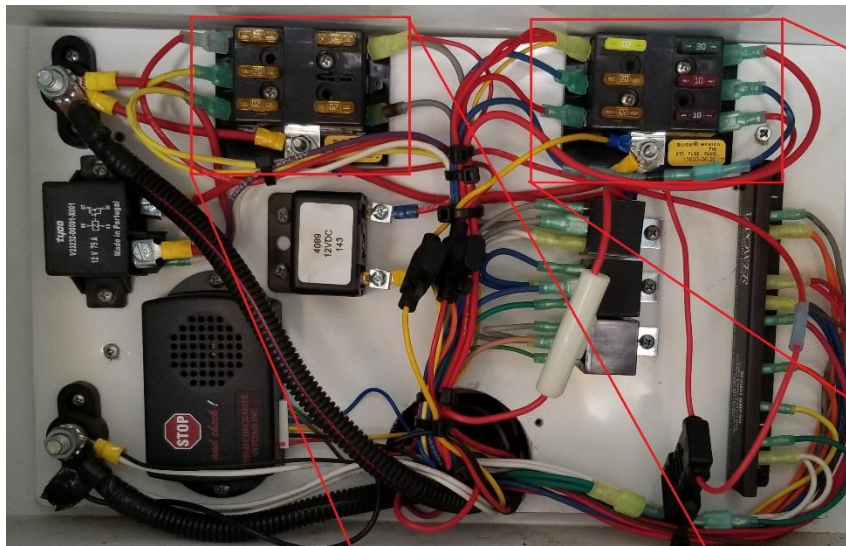


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### Step 2 - Power Connections:

**ALWAYS TEST WIRES FIRST TO VERIFY CONSTANT AND IGNITION FUSE BLOCK!**

- Remove the 10MM bolt on the fuse distribution block
- Connect a ring terminal on the RED CONSTANT wire and connect it to the factory fuse block on the left
- Connect a ring terminal on the YELLOW IGNITION wire and connect it to the factory fuse block on the right



**Ignition**



**Constant**



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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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**Please review the WIFI Installation Guideline if you're not using the 4G Modem**

### 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:

Always screw or zip tie the PDC & Modem. Please note this vehicle has a bracket installed that fits the PDC. If you don't have a bracket in the front access panel find a secure location to secure components with a zip tie or screw



Front Access Panel

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**



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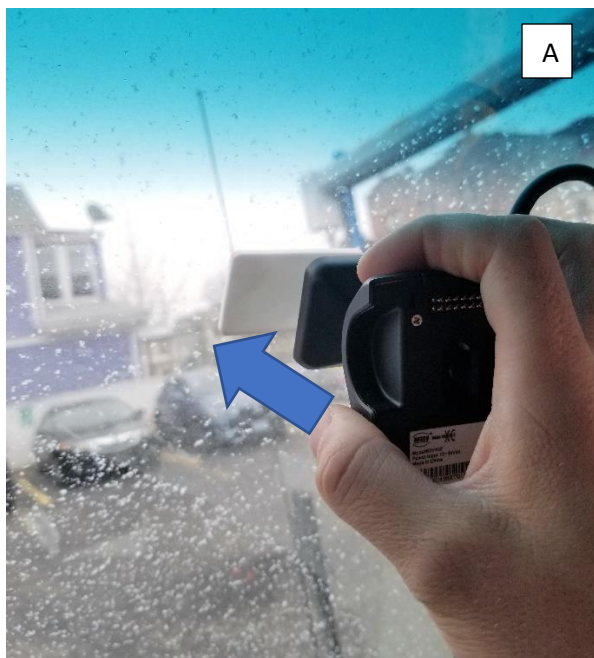
### Step 6 - Camera Mounting and wire Routing:

**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

HA103 - Live - Microsoft Edge

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