

## Driver•i D-430 Quick Installation Guide

May 2024 Version 1.6

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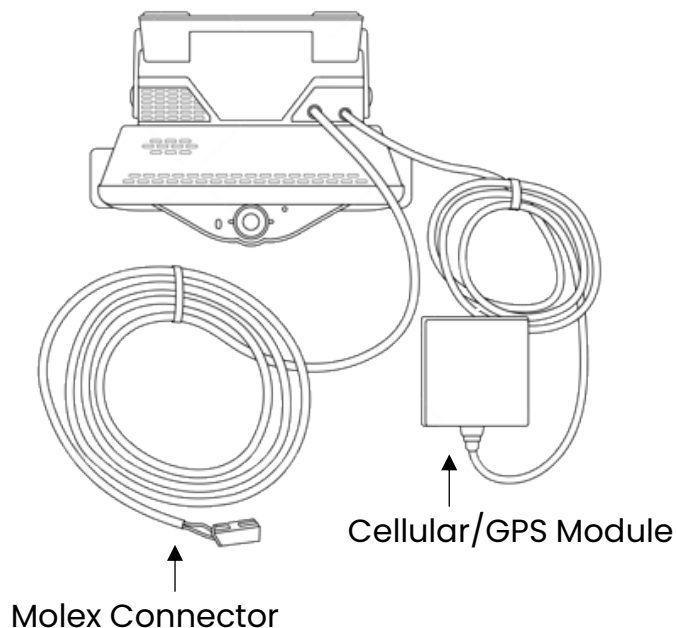
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## D-430 Quick Installation Guide

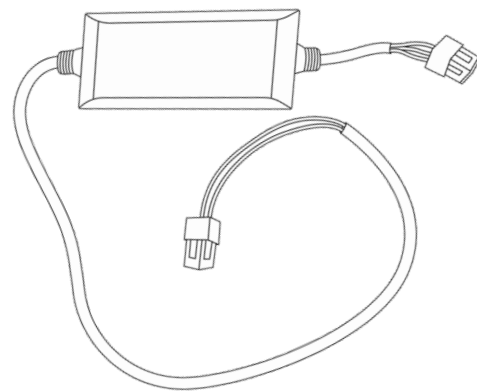
This document serves as a Quick Installation Guide for Field Engineers to assist them with the installation of the Driver•i Device. It includes information that is pertinent to both VBUS and non-VBUS Installations.

## Pre-Requisites

Various tools and parts are required to complete the installation. The Driver•i Device box contains the following items:



D-430 Driver•i Device (QTY: 1)



SuperCAP Power Module (QTY: 1)

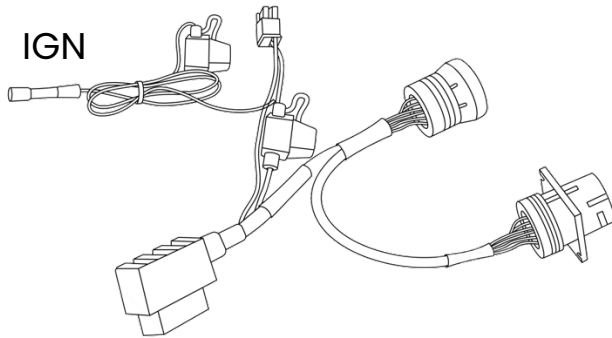


99.9% Alcohol Wipes

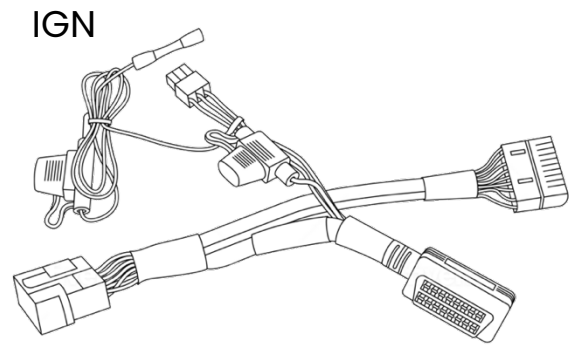


Zip Ties (QTY: 12)

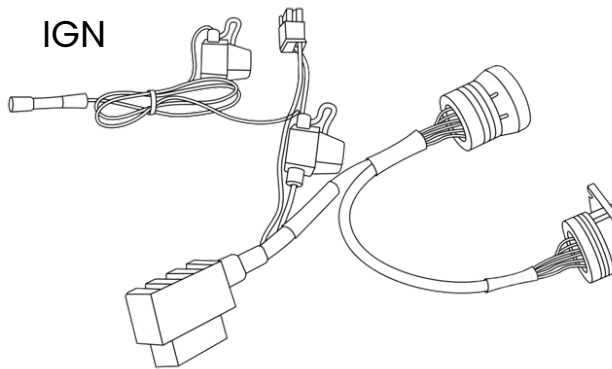
Here are the examples of Vehicle Power Adapter Cables that might be needed:



*J1708 Power Adapter Cable - EZJ1708EO1*



*OBDII Power Adapter Cable - EZOBDIIEO1*



*J1939 Power Adapter Cable -EZJ1939EO1*

## Tools Required:

- T-15 & T-20 Security Torx Bit.

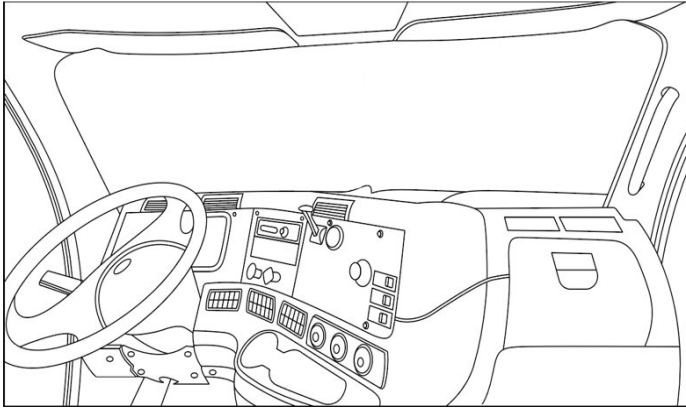
## Driver•i D-430 Connectivity Outline

The snapshot here details the connectivity process between Driver•i Device and VBUS.



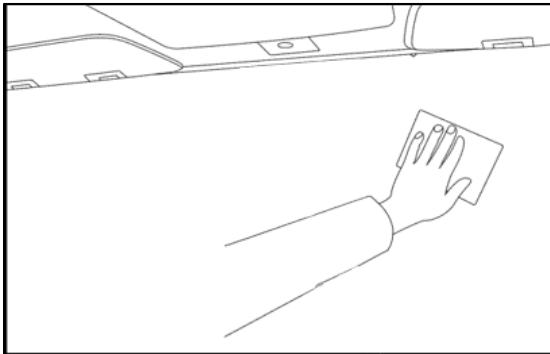
## Step 1: Mount the Driver•i Device

1. Select a mounting location and ensure the **Driver•i Device** does not obstruct the driver's line of sight or vision of the road. If the center of the windshield is obstructed, mount the Driver•i Device further towards the passenger side of the vehicle.



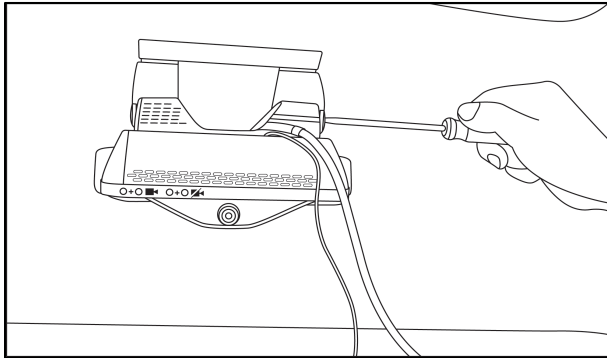
2. Ensure windshield is clean and dry on the inside of the cabin. Use a 91% or higher alcohol content wipe to clean the mounting area. Use a clean microfiber cloth to remove any additional residue.

**Note:** Make sure the windshield is warm/at room temperature (approx. 72° F or above) and dry at the mounting location to provide optimal adhesion for the mounting bracket.

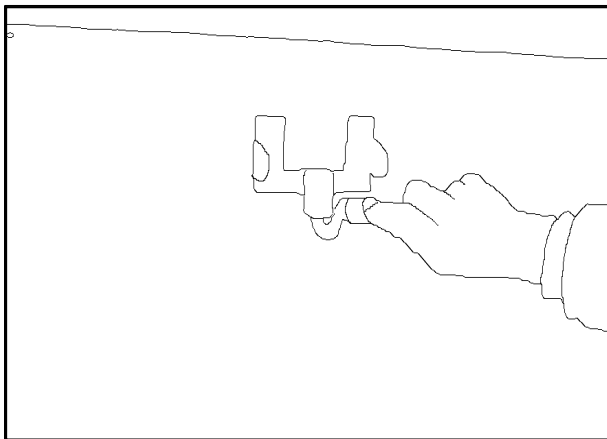


3. Remove backing seal from two-way tape on the underside of mounting bracket. Attach the mounting bracket to windshield. Place the mounting bracket within the windshield wiper swipe zone. Ensure it is as close to the vehicle centerline as possible.

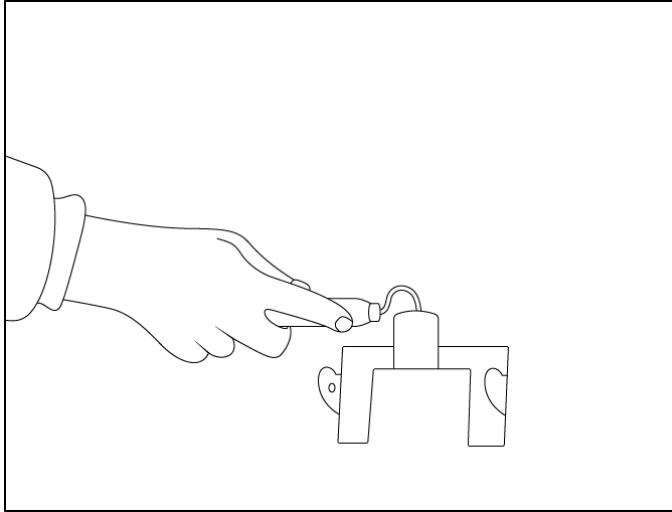
4. Use a **T-20 Security Torx Driver** to loosen **Driver•i Device** from the mounting bracket.



5. Remove the **Driver•i Device** and apply pressure to the back of the mounting bracket to secure it in place and use a roller to remove any air bubbles in between the mounting bracket tape and windshield. We recommend using a seam roller.



6. Picture below represents the preferred mount orientation on vehicles with no rear-view mirror or other obstructions. (mostly class 6 to 8, large vehicles)

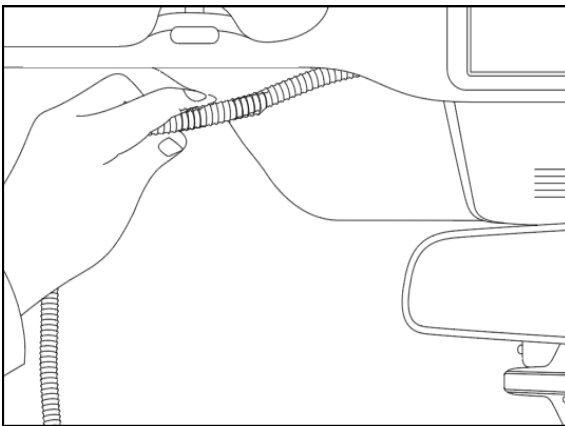


7. Reattach **Driver•i Device** to the mounting bracket using a **T-20 Security Torx Driver** and ensure the device is leveled with road horizon.

## Step 2: Route Cables

### Cable routing:

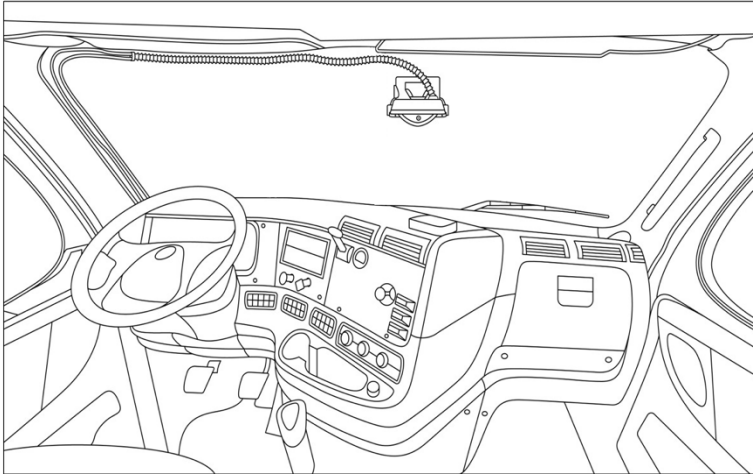
- Remove the A-pillar cover to route the cable across the top of the headliner and down the driver side A-pillar.



- Secure the cables using zip ties. Ensure the cables and zip ties do not interfere with the deployment of any side airbags.
- From the bottom of windshield side pillar, run the power cable and GPS Module cable behind dash panels as needed toward the diagnostic port or connection point (ex. J1939 9-pin, J1708 6-pin, fuse panel, OEM-specific



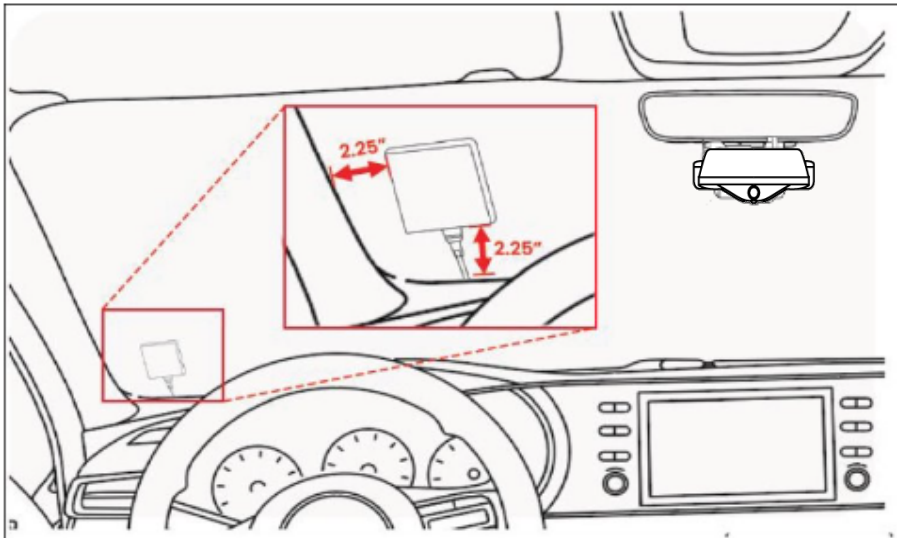
connection point).



## Step 3: Mounting the Cellular/GPS Module to the windshield

### Cellular/GPS Module placement:

- The preferred location of the Cellular/GPS module is on the windshield driver's side lower corner.

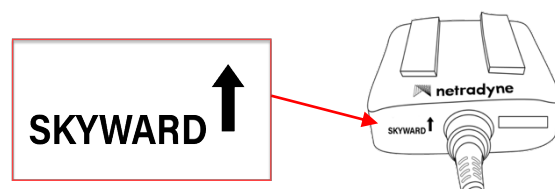
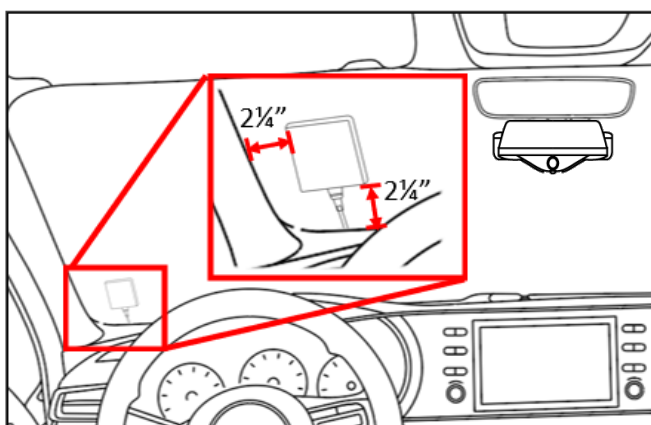


## Prep Windshield:

- Ensure windshield is clean and dry on the inside of the cabin. Use a 91% or higher alcohol content wipe to clean the mounting area.
- Use a clean microfiber cloth to remove any additional residue.

## In case of cold weather:

- It may be necessary to preheat the windshield by using the vehicles defroster.
- If needed, you can also gradually heat the mounting area with heat gun.  
**Note:** Make sure the windshield is warm/at room temperature (approx. 72° F or above) and dry at the mounting location to provide optimal adhesion for the Cellular/GPS Module.



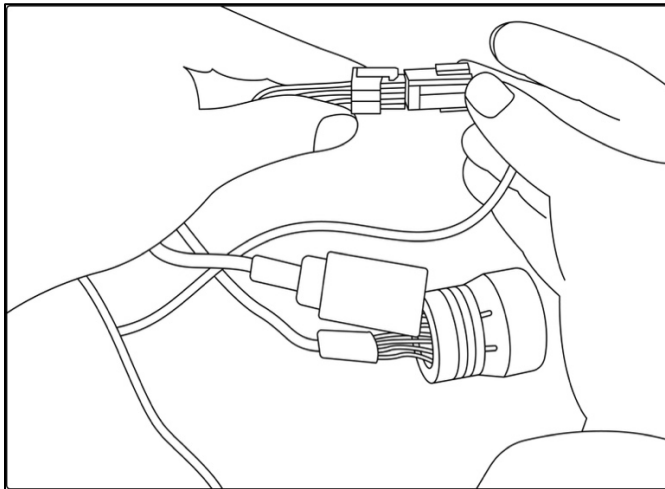
- Remove backing seal from two-way tape on the top of the Cellular/GPS Module.
- Place the Cellular/GPS Module on the lower driver side windshield making sure the arrow marked "Skyward" is pointing outward and upwards.
- Ensure that that VHB tape is on the top side of the Cellular GPS Module as shown in the illustration.
- Ensure the **Cellular/GPS Module** is positioned 2.25 inches up from the dash and 2.25 inches to the right of the driver side A pillar.

- In some cases, it may not be possible to mount the Cellular/GPS Module in the preferred location due to interference with other electronic devices or other obstacles.
- If the Cellular/GPS Module cannot be installed in the preferred location on the driver's side, it is acceptable to install it in the same location on the passenger's side or other locations, as long as it satisfies the view of the sky requirement.

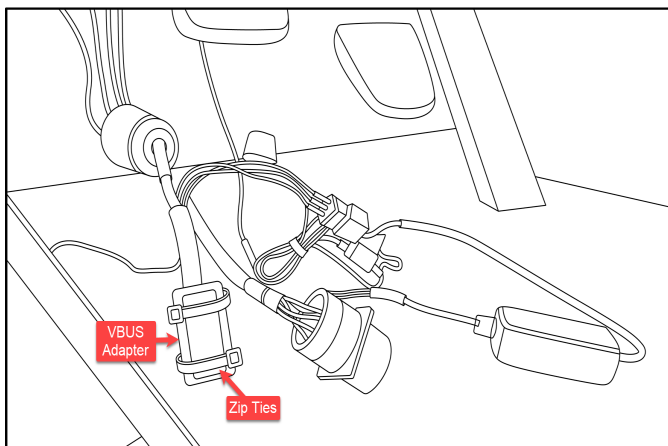
## Step 4: Connect Driver•i and Adapter

This section will use J1939 Vehicle Power Adapter Cable as an example.

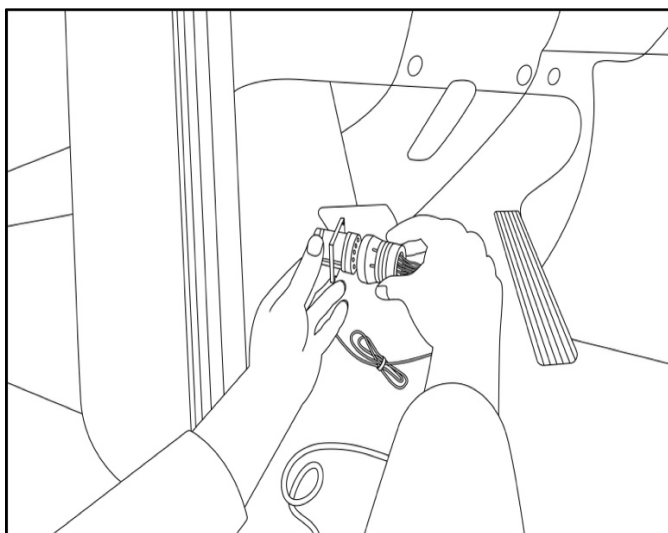
1. Ensure **Driver•i Device (D-430)** Camera cable is connected to the Power Adapter.



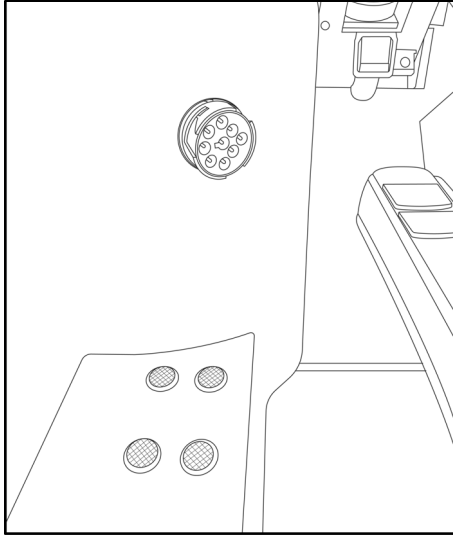
2. Remove the vehicle's diagnostic connector (example: J1939 9-pin) from the original mounting location (example: kick panel).



3. Connect the **Driver•i Device** 6-pin Molex plug to the Vehicle Power Adapter Cable, then plug the female diagnostic connector of the adapter cable to the vehicle's male diagnostic port (example: J1939 9-pin).

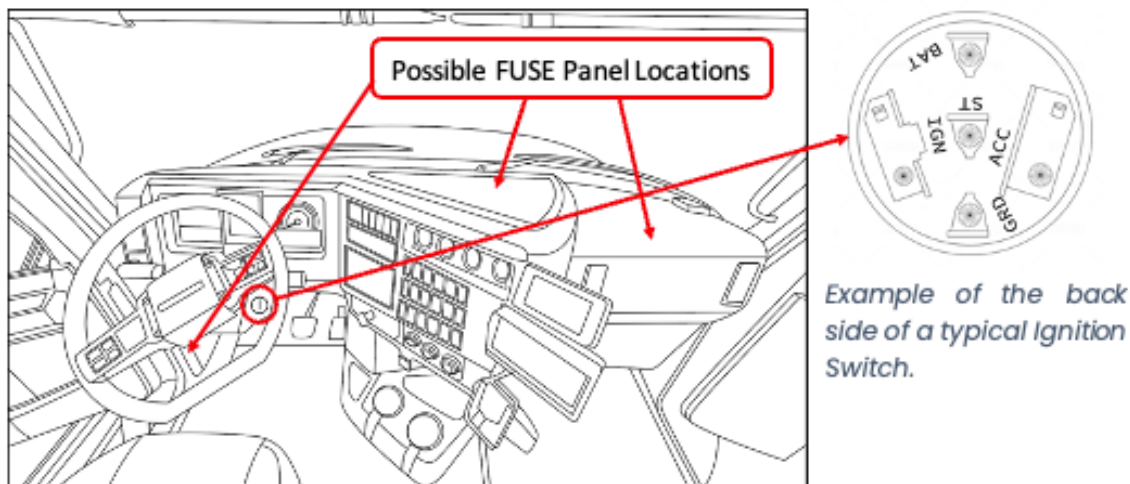


4. Install the male connector of the Vehicle Power Adapter Cable into the vehicle diagnostic port's original mounting location.



5. While WOM (Wake On Motion) Driver•i Installs may not require ignition, All VBUS installs require True Ignition (Not ACC). See next page for possible connection points.
6. Bundle excess cabling with supplied zip ties and store/secure, making sure to not interfere with vehicle pedals and other mechanical devices.

True Ignition (IGN)/Not Accessory (ACC) must be connected on all VBUS Installs

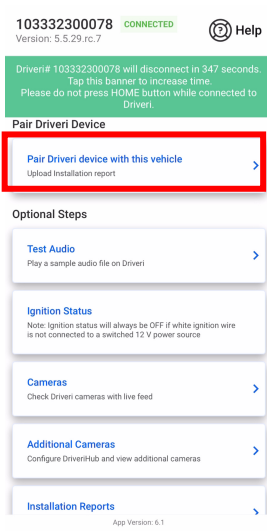


A true Ignition signal (Not ACC) is usually available either on back of the Ignition Switch or in the fuse panel typically on the passenger side of the dash.

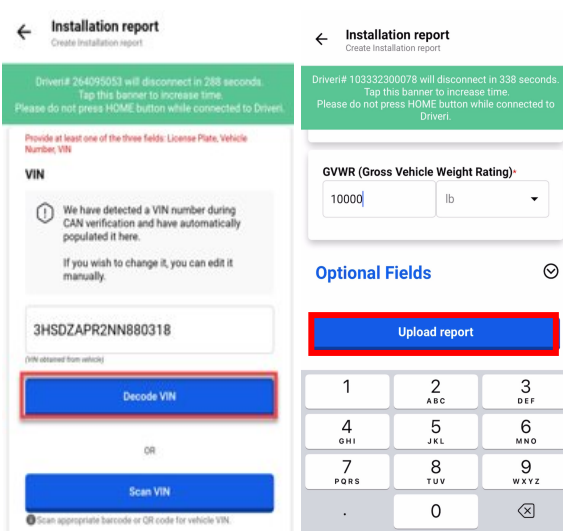
**Note:** Special cable connections such as RP1226 already have ignition internal to the cable so do not require an external IGN connection.

## Step 4: Verify Driver•i Installation

1. Tap “Pair **Driver•i Device** with this Vehicle” button and fill in requested vehicle information.

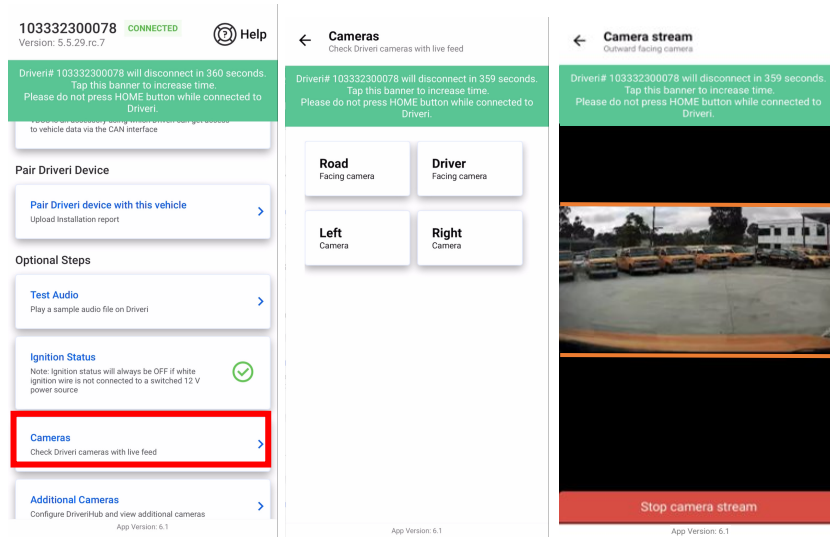


2. Fill out vehicle information. Once complete, tap the “**Upload Report**” button.



3. You may follow up by testing video feed and audio.

- a. When checking cameras with live feed, ensure the outward view captures no more than the upper edge of the vehicle hood. Then ensure inward camera captures the driver's head, left shoulder and lap area if possible.
- b. To finalize tap **"Close Connection and Reboot Driver•i"** button.



**Note:** This version does not support CAN at this time. CAN bus will fail on installer app

## D-430 LED Indicators

LED 1 Status (Left-side LED)	LED 2 Status (Right – side LED)	Description	Possible Solutions
Flashing <b>RED</b>	OFF	Device is booting up and flashing <b>RED</b> should last for 15 seconds.	N/A
OFF or solid <b>RED</b> or flashing <b>RED</b> for more than 15 seconds	OFF	There is an error	Please contact support
<b>GREEN</b>	<b>GREEN</b>	Privacy mode is OFF. Inward camera is ON and recording.	N/A
<b>GREEN</b>	<b>RED</b>	Privacy mode is ON. Inward camera is OFF and not recording.	N/A

GREEN	OFF for more than 15 seconds	There is an error	Please contact support
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**Note:** If driver-facing camera is disabled, LED 2 will always be RED. The Privacy Mode is activated when the vehicle speed is 0 MPH for 3 to 4 minutes. The Camera is ready to record after the 25 seconds boot-up time. After ignition key/vehicle is OFF, camera recording is based on "Recording Options" set by the Safety Manager.

For questions or escalations, please visit Netradyne Support at [www.netradyne.com/support](http://www.netradyne.com/support)

Email: [support@netradyne.com](mailto:support@netradyne.com) Phone: (833) GRN-ZONE or 833-476-9663