



D-810 Installation Guide

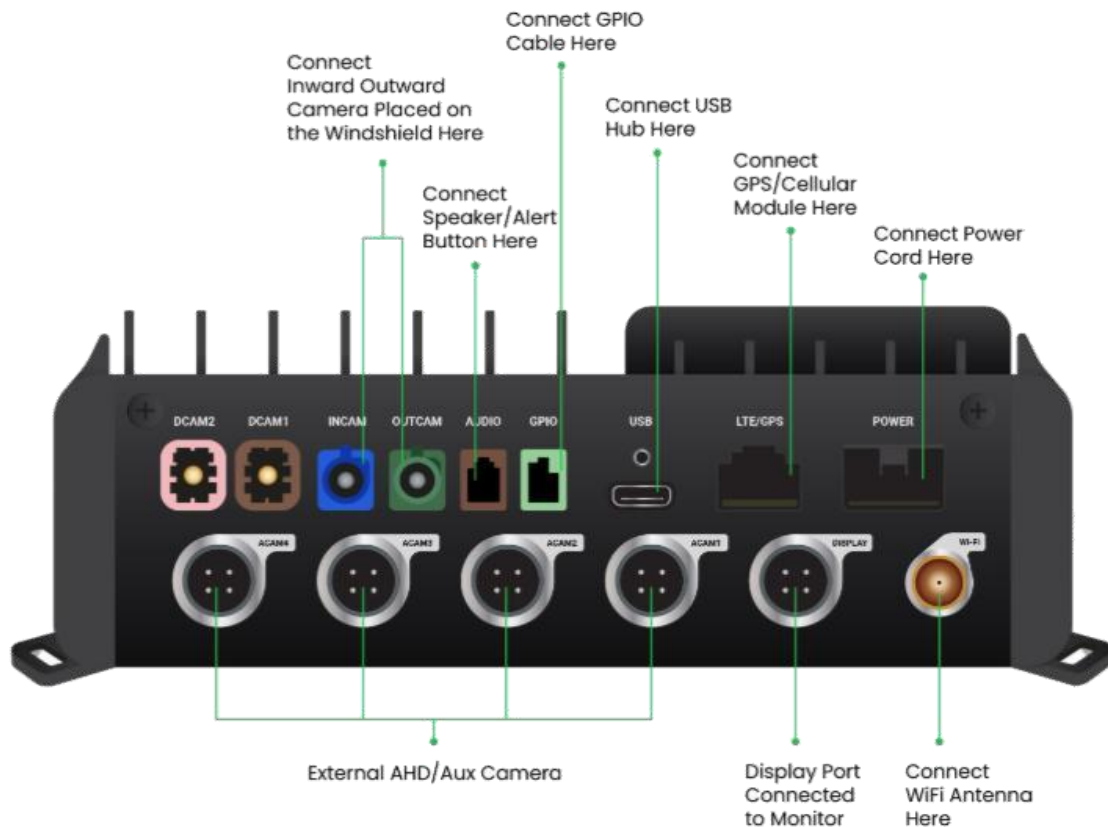
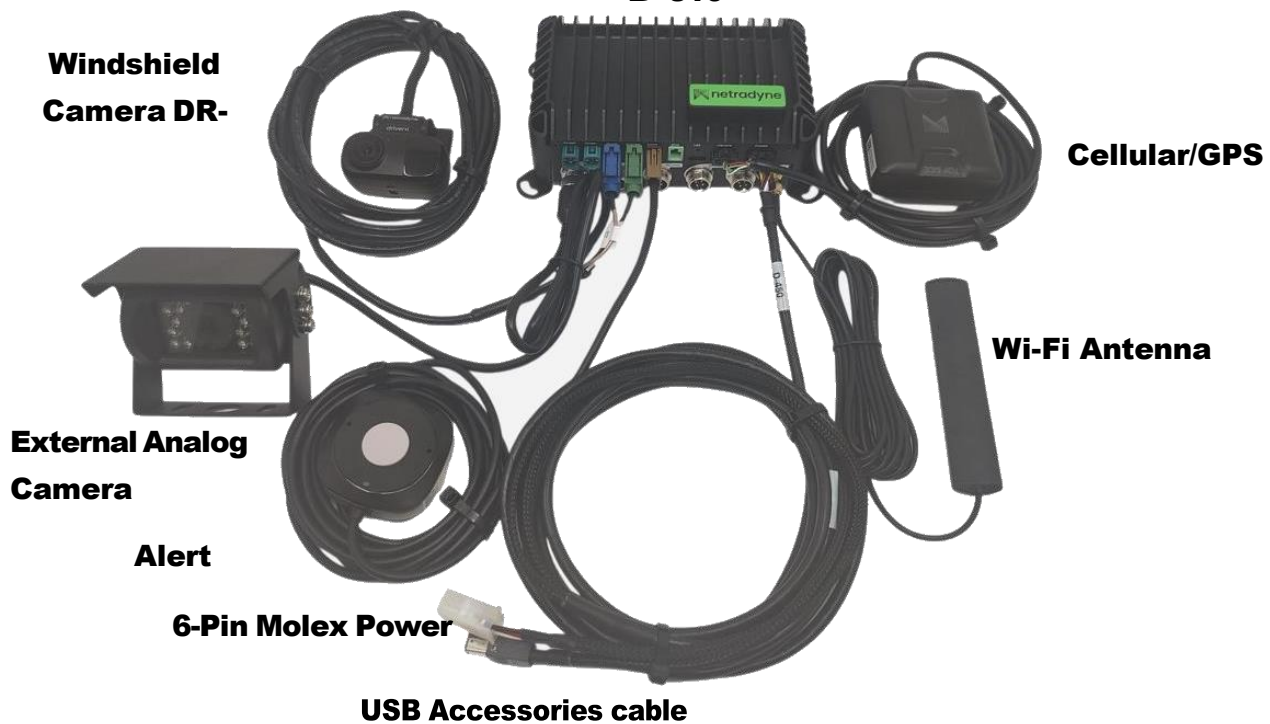
June 2025 Version 1.5

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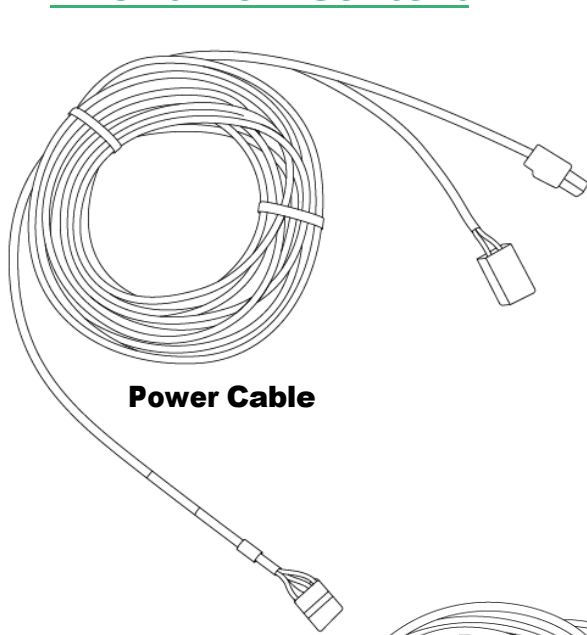
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D-810 Connectivity Outline

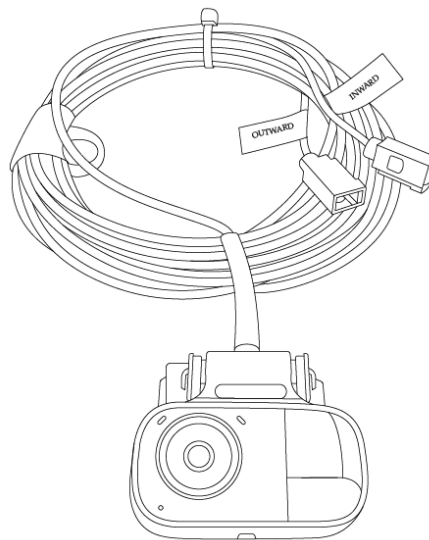
D-810



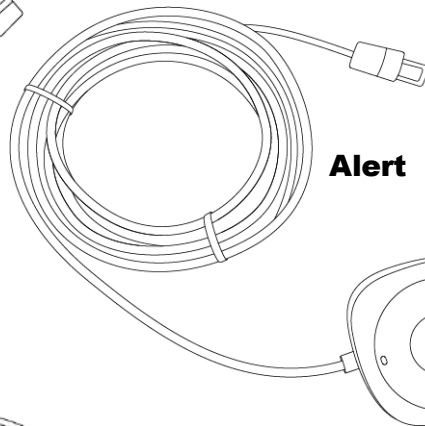
D-810 Box Content



Power Cable

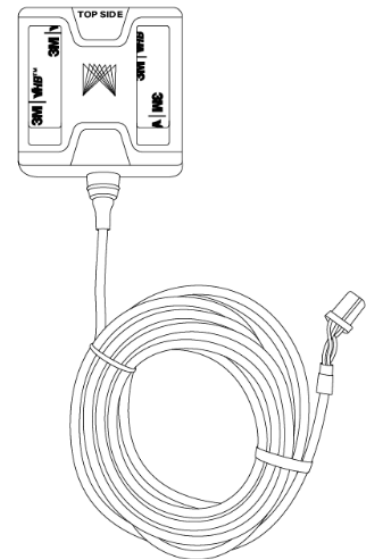


**Windshield
Camera DR-20**

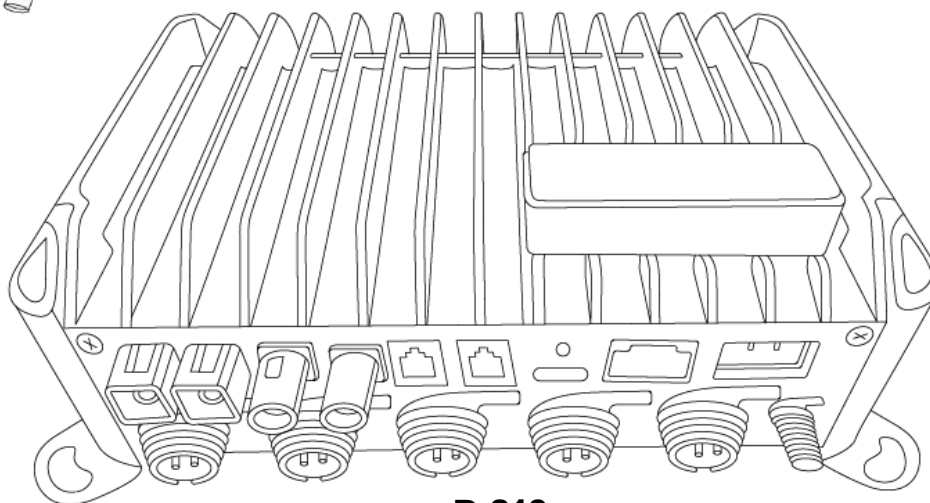


Alert

Cellular/GPS



Wi-Fi Antenna



D-810

Equipment Required

The following equipment is required to complete the installation:

- Netradyne Driver • i D-810 Kit – Cellular/GPS Module, Power Cable, Windshield camera bracket, Speaker Alert Button, 2-way windshield camera
 - Vehicle Power Adapter Cables – (OBDII, J1939, J1708, Flying leads, or RP1226)
 - ≥6" Zip Ties
 - ≥91% Rubbing or Denatured Alcohol
- Flush Cutters
- Multimeter
- Mobile Phone Android or IOS with Driver • i Installer App
 - v6.6 or higher
- T-10 Security Torx Driver or Bit
- Heat Gun
- Trim removal tools
- Cordless Drill/Driver (Optional)
- Seam Roller
- Dry, clean, lint-free cloth
- Ratchet/Socket, Driver (8mm)

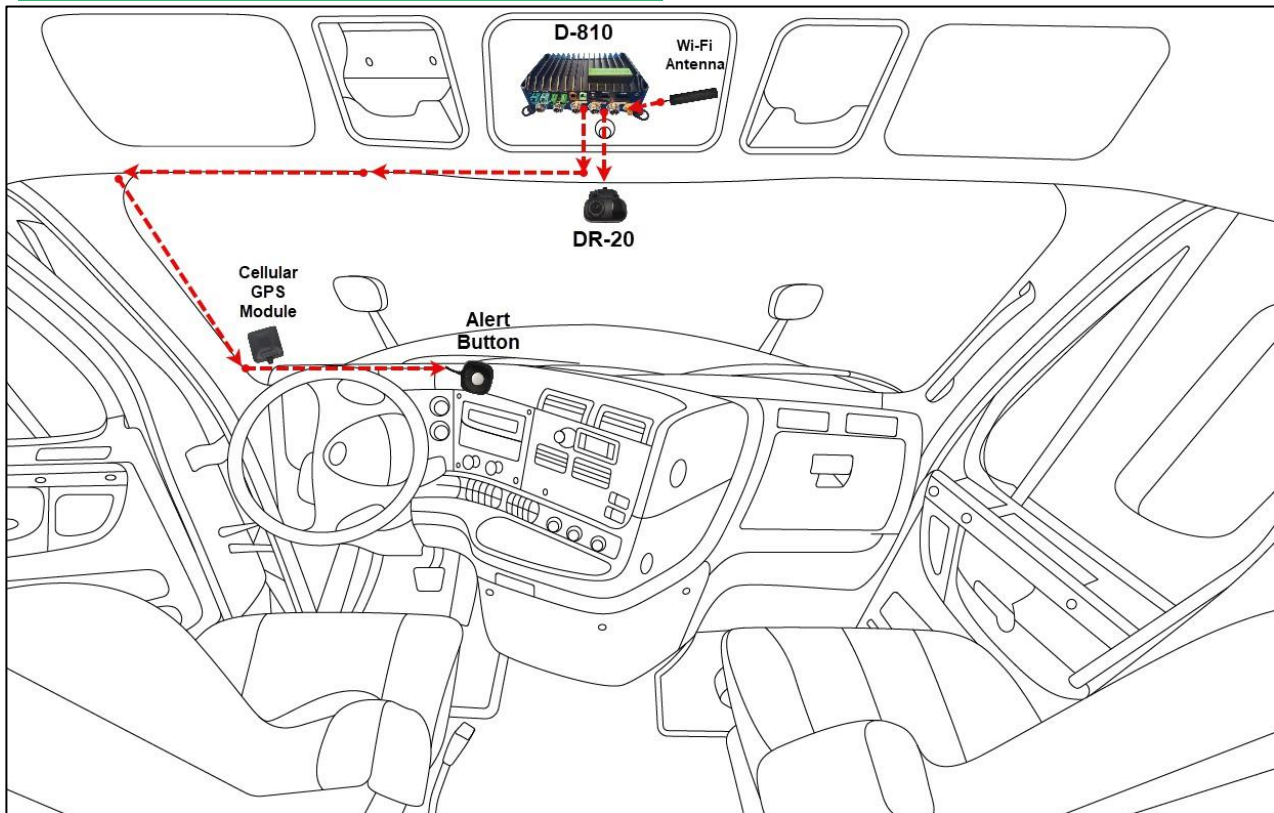
This guide will present recommended installation guidelines for the three most popular vehicle types. (Class 8, Class 6 & light duty vehicles)

Suggested Location for Installation

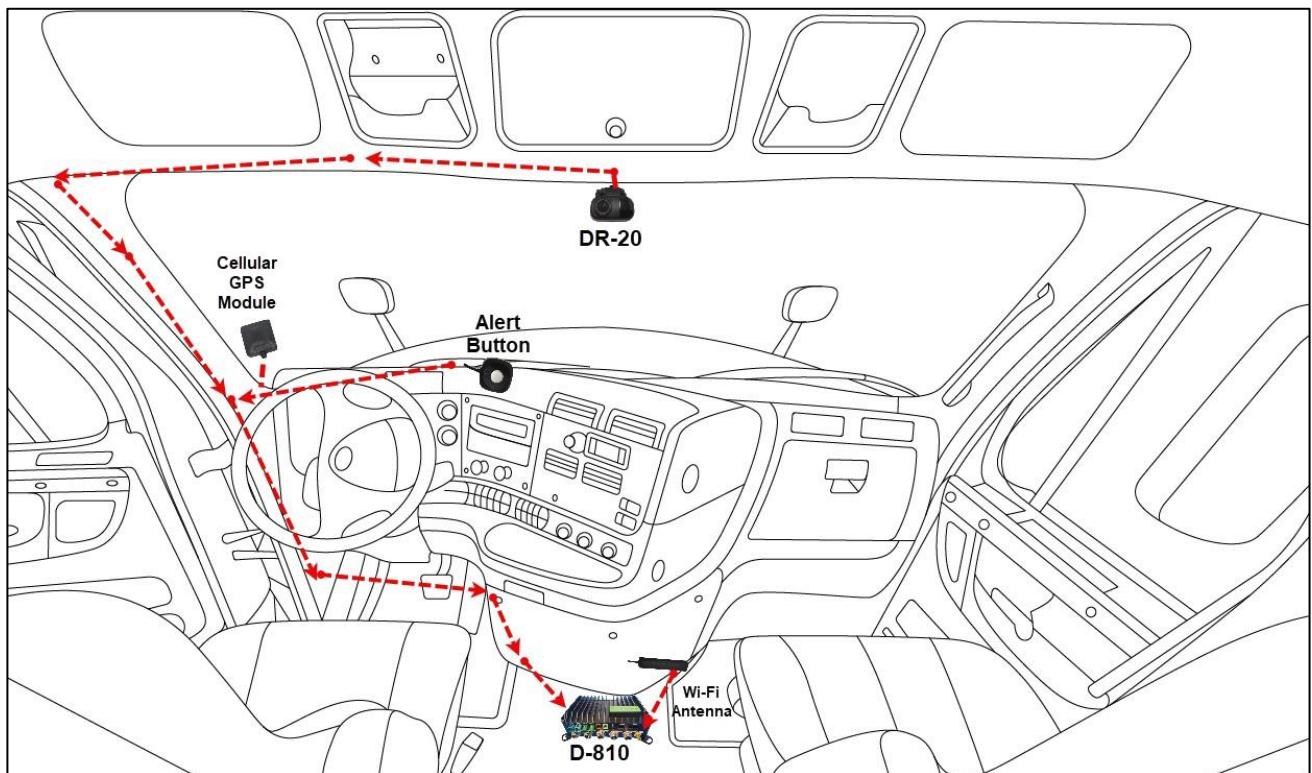
NOTE: CONSIDERATION SHOULD BE GIVEN TO PLACEMENT/ORIENTATION OF THE D-810 DEVICE AND CABLE ROUTING.

- VEHICLE OVERHEAD (CLASS 8)
- VEHICLE DOGHOUSE (CLASS 8)
- CLASS 6 (HINO)
 - BEHIND PASSENGER SIDE FUSE PANEL

Class 8 Installation Outline



Vehicle Overhead Installation



Vehicle Doghouse Installation

Vehicle Overhead Installation of D-810

LOCATE VEHICLE OVERHEAD, PLACE AND SECURE D-810 UNIT.



Windshield Camera Installation Criteria

- WITHIN THE VEHICLES WIPER SWIPE
- CENTER OF THE WINDSHIELD
- NOT BLOCKED BY SUN VISOR OR OTHER OBSTRUCTIONS

Prep Windshield

- CLEAN THE WINDSHIELD WITH 91% OR GREATER ISOPROPYL ALCOHOL OR DENATURED ALCOHOL.
- USE A CLEAN MICROFIBER CLOTH TO REMOVE ANY ADDITIONAL RESIDUE.



Placing DR-20 Windshield Bracket and Camera

- DETERMINE CAMERA MOUNTING LOCATION
 - ENSURE THAT CAMERA PLACEMENT ALLOWS FOR FIELD OF VIEW ADJUSTMENTS OF THE FOREWARD FACING CAMERA.
 - CAMERA SHOULD BE LEVEL TYPICALLY SHOWING JUST THE TOP EDGE OF THE VEHICLE HOOD. YOU MAY NEED TO ADJUST CAMERA LOCATION TO AVOID INTERFERENCE FROM OTHER WINDSHIELD MONTED SYSTEMS (EX. ADAS).



- MOUNTING THE DR-20
 - REMOVE THE VHB TAPE BACKING, SEE **FIG.A.**
 - PLACE THE MOUNTING BRACKET AND CAMERA IN THE AREA YOU HAVE PREPPED ENSURING THE CAMERA IS WITHIN THE WIPER SWIPE AND ARE NO OBSTRUCTIONS, SEE **FIG.B.**
 - USE A T-10 TORX SECURITY BIT OR DRIVER TO LOOSTEN THE CAMERA FROM BRACKET, SEE **FIG.C.**
 - FIRMLY PRESS BRACKET AGAINST THE WINDSHIELD TO REMOVE AIR BUBBLES AND ACHIEVE 90% ADHESION, SEE **FIG.D.**
 - ONCE THE MOUNTING BRACKET HAS BEEN SUCCESSFULLY PLACED ON WINDSHIELD ADJUST THE CAMERA FOR THE CORRECT FIELD OF VIEW THEN USE THE T-10 TORX SECURITY BIT OR DRIVER TO TIGHTEN THE DR-20 CAMERA BACK ON THE BRACKET, SEE **FIG.E.**

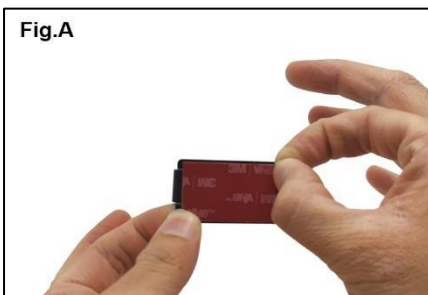


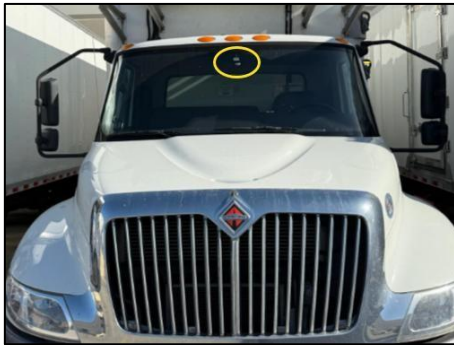
Fig.A



Fig.B



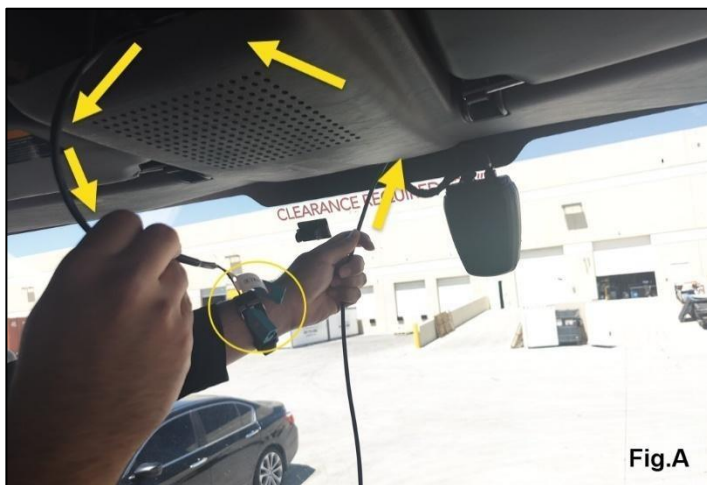
Fig.C



INSPECT VHB ADHESION FROM OUTSIDE THE VEHICLE
TO ENSURE
90% ADHESION IS ACHIEVED. (NO AIR BUBBLES)

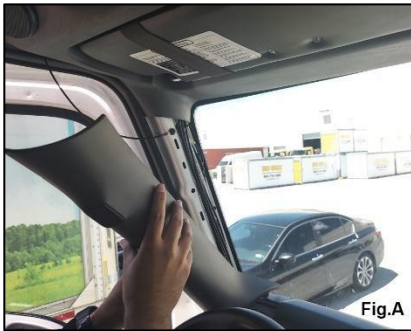
Routing DR-20 Windshield Camera Cable

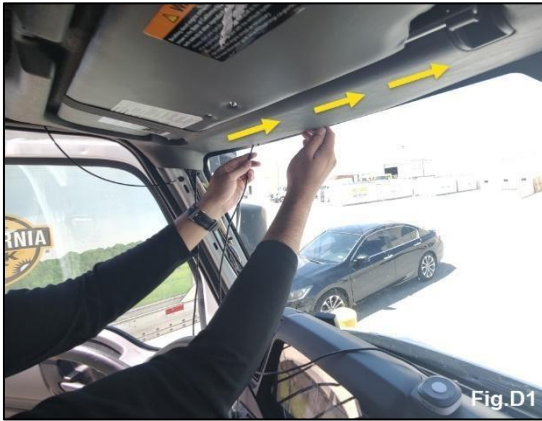
- ROUTE 2-WAY CAMERA CABLE, FOR THIS ISNTANCE WE WILL BE ROUTING FROM THE VEHICLES HEADLINER INTO THE VEHICLES OVERHEAD COMPARTMENT, SEE **FIG.A**.
- PLUG IN BOTH FRAKA CONNECTORS INTO THEIR PROPER PORTS, THEY ARE LABELED INWARD AND OUTWARD, SEE **FIG.B**.
 - FLASHING RED LED ON THE DR-20, INDICATES THE INWARD AND OUTWARD CABLES ARE REVERSED.



Routing and placing Alert Button

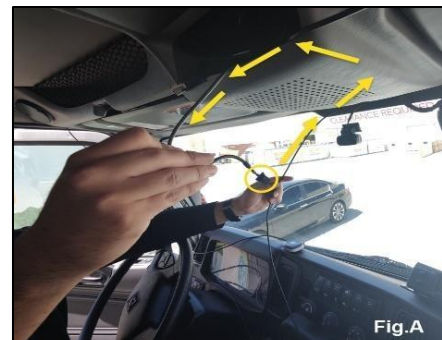
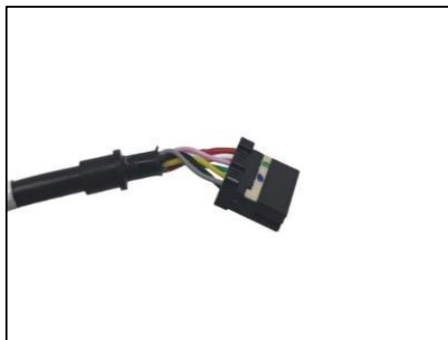
- REMOVE VEHICLE DRIVER SIDE A-PILLAR, SEE **FIG.A**.
- ENSURE ITS PLACED WITHIN DRIVERS REACH ON THE DRIVER SIDE DASHBOARD.
 - CONSULT CUSTOMER FOR ALERT BUTTON PLACEMENT.
- CLEAN THE VEHICLE DASH LOCATION WHERE ALERT BUTTON WILL BE PLACED WITH 91% OR GREATER ISOPROPYL OR DENATURED ALCOHOL.
- REMOVE THE VHB TAPE BACKING FROM ALERT BUTTON, SEE **FIG.B**.
- PLACE ALERT BUTTON ON VEHICLE DASH, ADD PREASSURE TO ENSURE VHB TAPE IS LOCKED IN PLACE, SEE **FIG.C**.
- ROUTE THE ALERT BUTTON WIRE DOWN THE DRIVER SIDE VEHICLE DASH, UP THE A-PILLAR AND THROUGH THE VEHICLE HEADLINER, SEE **FIG.D & D1**.
 - ENSURE CABLE ROUTING DOES NOT INTERFERE WITH VEHICLE AIRBAGS.
- PLUG IN BROWN CONNECTOR TO THE BROWN PORT LABELED AUDIO ON THE D-810 UNIT, SEE **FIG F**.

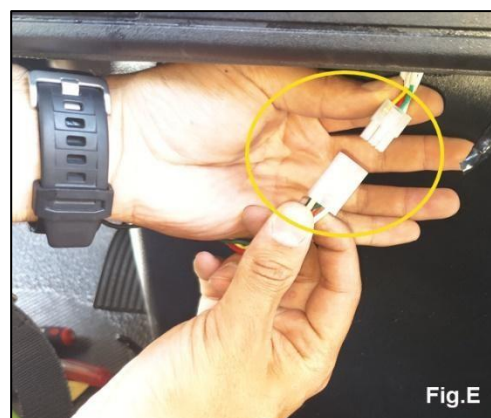
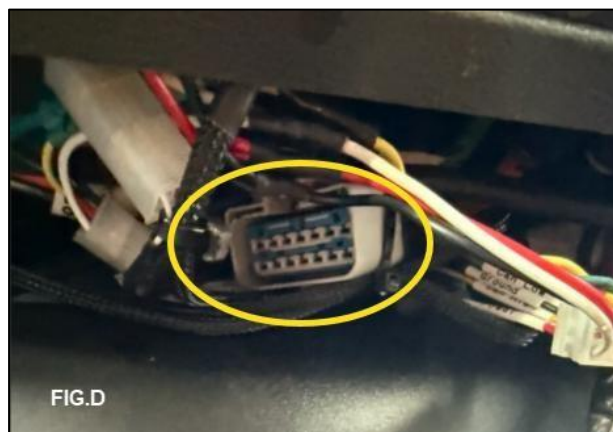
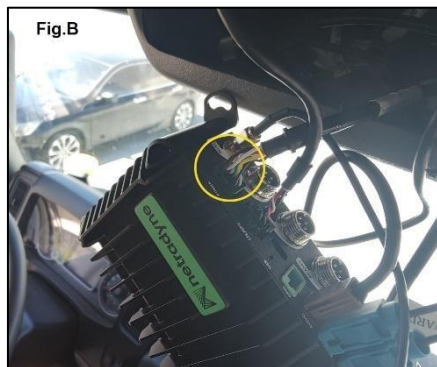




Routing D-810 Power Cable

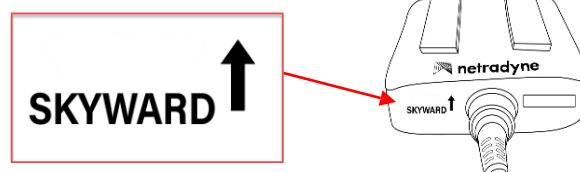
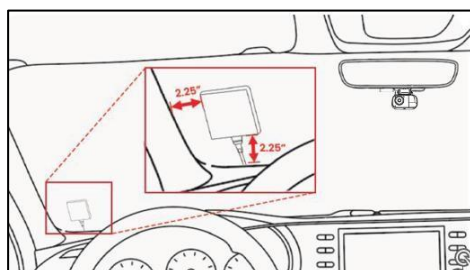
- ROUTE THE BLACK TIP END OF THE POWER CABLE THROUGH THE VEHICLE HEADLINER AND OVERHEAD TO THE D-810, SEE **FIG.A.**
- ONCE THE POWER CABLE HAS BEEN ROUTED INTO THE OVERHEAD PLUG THE BLACK CONNECTOR INTO PORT LABELED POWER ON THE D-810 UNIT, SEE **FIG.B.**
- ROUTE THE 6-PIN MOLEX AND GT32 PORTION OF THE CABLE DOWN THE HEADLINER INTO THE DRIVER SIDE A-PILLAR AND INTO THE VEHICLE DASHBOARD TOWARDS THE DIAGNOSTIC PORT, SEE **FIG.C. & C1**
- INSTALL THE TRUCK SPECIFIC CABLE, SEE **FIG.D.**
 - REFER TO OUR TRUCK SPECIFIC CABLE GUIDE FOR CORRECT CABLE SELECTION AND INSTALLATION INTRUCTIONS.
- PLUG IN THE D-810 POWER IO/CABLE FEMALE 6-PIN MOLEX CONNECTOR TO THE TRUCK SPECIFIC VBUS VEHICLE POWER ADAPTER CABLE MALE 6-PIN MOLEX CONNECTOR, SEE **FIG.E.**





Routing and placing the Cellular/GPS Module

- CLEAN THE VEHICLE LOWER PART OF THE DRIVER SIDE WINDSHIELD WHERE CELLULAR/GPS MODULE WILL BE PLACED WITH 91% OR GREATER ISOPROPYL ALCOHOL OR DENATURED ALCOHOL.
- REMOVE THE VHB TAPE BACKING FROM THE CELLUALR/GPS MODULE, SEE **FIG.A**.
- THE CELLULAR/GPS MODULE CAN BE PLACED ON THE VEHICLE DASH OR THE LOWER CORNER OF THE VEHICLE WINDSHIELD.
- BE SURE TO ORIENT THE CELLULAR/GPS MODULE WITH THE ARROW POINTING SKYWARD.
- PLACE CELLULAR/GPS MODULE ON DRIVER SIDE LOWER CORNER OF THE WINDSHIELD AND ADD PREASSURE TO ENSURE VHB TAPE IS LOCKED IN PLACE, SEE **FIG.B**.
- ROUTE THE CELLULAR/GPS MODULE CABLE UP THE DRIVER SIDE A-PILLAR AND DOWN THE VEHICLE HEADLINER, THEN INTO THE OVERHEAD. PLUG CABLE END IN TO THE D-810 DEVICE LABELED **LTE/GPS** PORT, SEE **FIG D, E & E**.



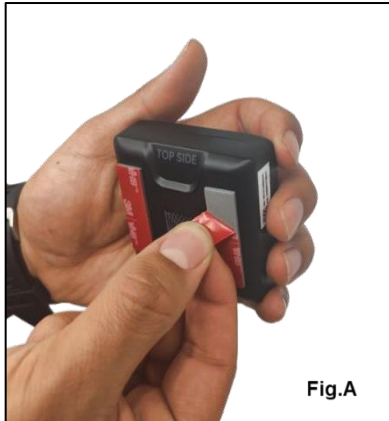


Fig.A



Fig.B

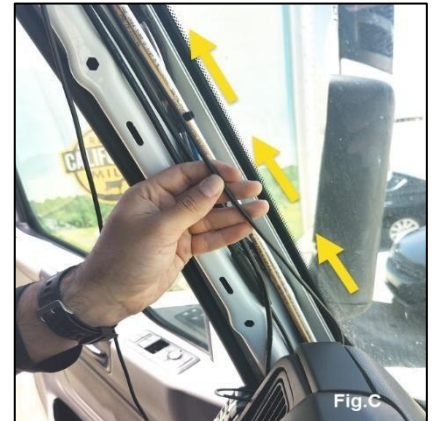


Fig.C

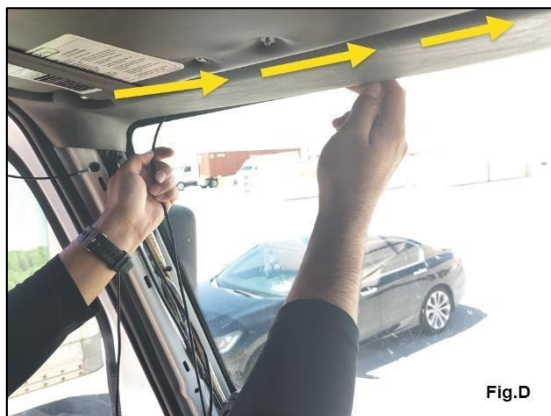


Fig.D

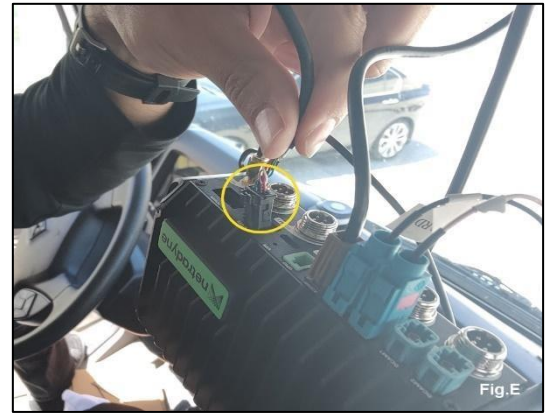
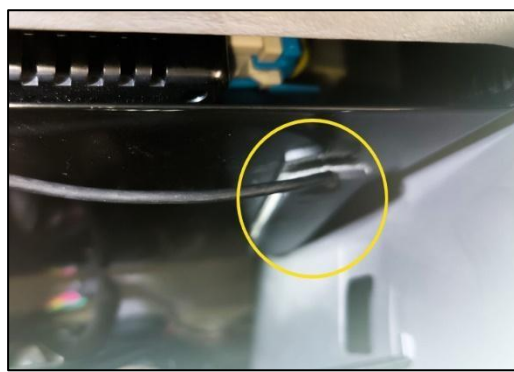
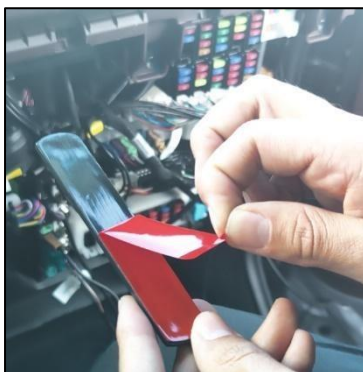


Fig.E

Connecting and Placing Wi-Fi Antenna

- REMOVE BHV TAPE BACKING ON THE WI-FI ANTENNA
- PLACE IN SECURE LOCATION NEAR THE D-810, ENSURING THAT ITS NOT SURROUNDED BY METAL.
- SCREW IN WI-FI ANTENNA TO D-810 AS SEEN ON **FIG.A**





Class 6 vehicle (Hino) Installation of D-810

REMOVE PASSENGER SIDE CORNER PANEL, BY PULLING TOWARDS YOU WITH HANDS. PLACE THE D-810 UNIT IN FUSE PANEL AREA AND SECURE WITH ZIP TIE AS SHOWN IN FIG.A.



Windshield Camera Installation Criteria

- WITHIN THE VEHICLES WIPER SWIPE
- CENTER OF THE WINDSHIELD
- NOT BLOCKED BY SUN VISOR OR OTHER OBSTRUCTIONS

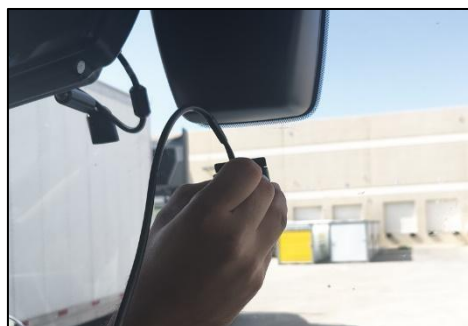
Prep Windshield

- CLEAN THE WINDSHIELD WITH 91% OR GREATER ISOPROPYL ALCOHOL OR DENATURED ALCOHOL.
- USE A CLEAN MICROFIBER CLOTH TO REMOVE ANY ADDITIONAL RESIDUE.



Placing DR-20 Windshield Bracket and Camera

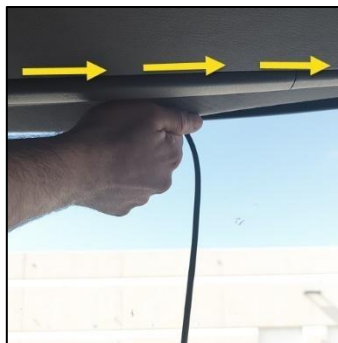
- REMOVE THE VHB TAPE BACKING.
- PLACE THE MOUNTING BRACKET IN THE AREA YOU HAVE PREPPED ENSURING THE CAMERA IS WITHIN THE WIPER SWIPE AND ARE NO OBSTRUCTIONS.
- USE A T-10 TORX SECURITY BIT OR DRIVER TO LOOSTEN THE CAMERA FROM BRACKET IN ORDER TO FIRMLY PRESS AGAINST THE WINDSHIELD IN ORDER TO VERIFY ADHESION.
- ONCE THE MOUNTING BRACKET HAS BEEN SUCCESSFULLY PLACED ON WINDSHIELD, USE THE T-10 TORX SECURITY BIT OR DRIVER TIGHTEN THE DR-20 CAMERA BACK ON THE BRACKET.

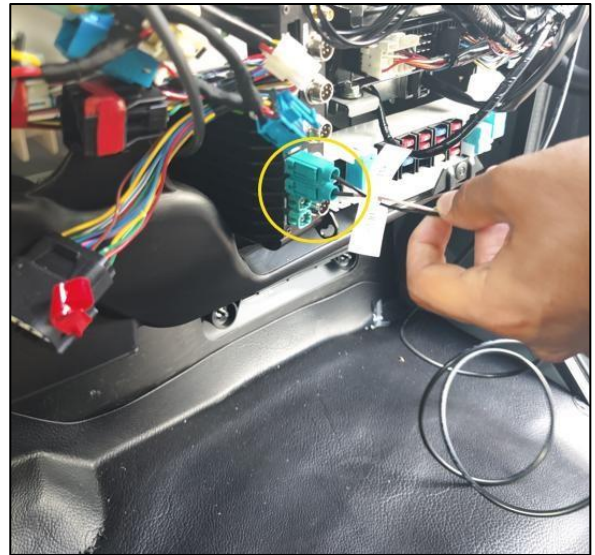
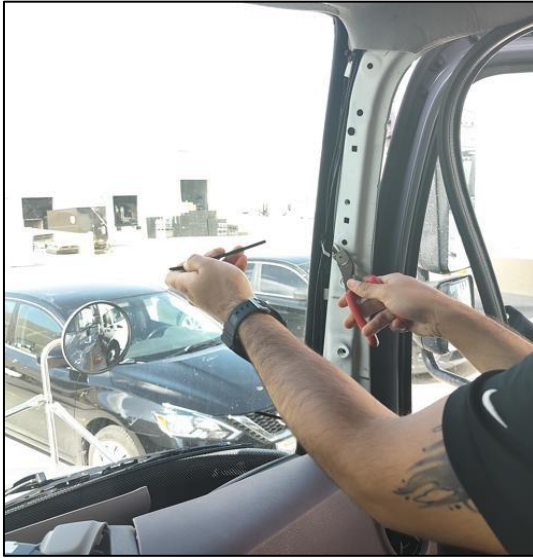




Routing DR-20 Windshield Camera Cable

- REMOVE VEHICLE DRIVER SIDE A-PILLAR.
- ROUTE THE DR-20 CAMERA CABLE, FOR THIS ISNTANCE WE WILL BE ROUTING FROM THE VEHICLES HEADLINER, DOWN THE VEHICLES PASSENGER A-PILLAR AND INTO THE PASSENGER SIDE FUSE PANEL AREA.
- SECURE DR-20 CAMERA CABLE TO EXISTING CABLES USING PROVIDED ZIP TIES WHEN GOING DOWN A-PILLAR.
- PLUG IN BOTH FRAKA CONNECTORS INTO THEIR PROPER PORTS, THEY ARE LABELD INWARD AND OUTWARD.

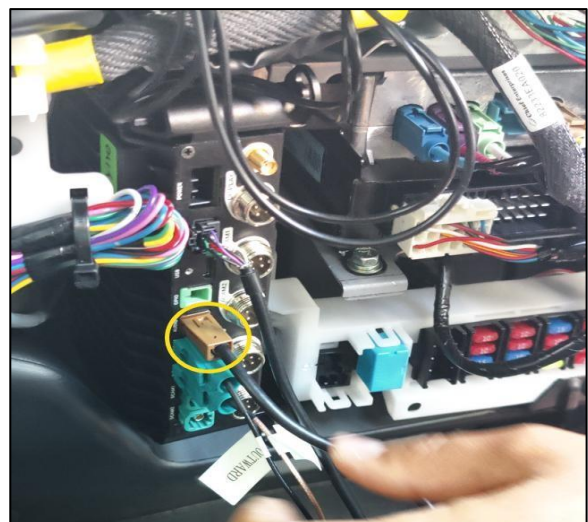
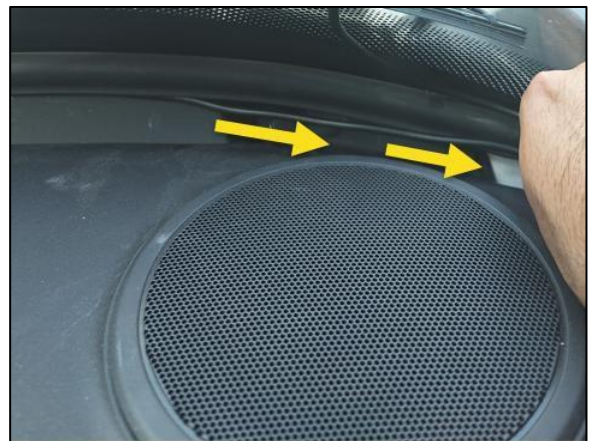




Routing and placing Alert Button

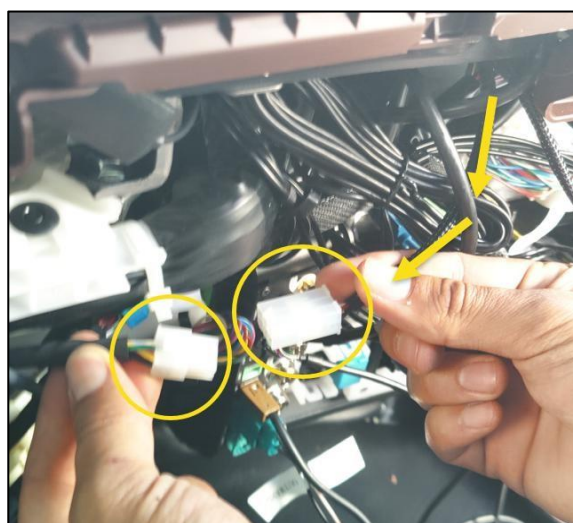
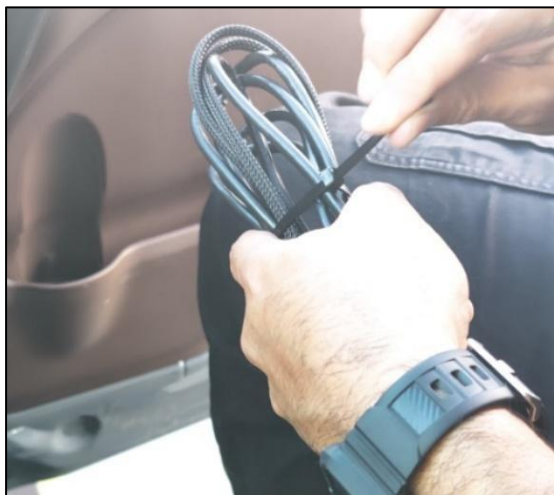
- ENSURE ITS PLACED WITHIN DRIVERS REACH ON THE DRIVER SIDE DASHBOARD.
- CLEAN THE VEHICLE DASH LOCATION WHERE ALERT BUTTON WILL BE PLACED WITH 91% OR GREATER ISOPROPYL OR DENATURED ALCOHOL.
- REMOVE THE VHB TAPE BACKING FROM ALERT BUTTON.
- PLACE ALERT BUTTON ON VEHICLE DASH, ADD A LITTLE PREASSURE TO ENSURE VHB TAPE IS LOCKED IN PLACE.
- ROUTE AND TUCK THE ALERT BUTTON CABLE TOWARDS THE PASSENGER SIDE A-PILLAR
- ROUTE THE CABLE FROM THE PASSENGER SIDE WINDSHIELD TRIM INTO THE SIDE CORNER DASH INTO THE FUSE PANEL.
- PLUG IN BROWN CONNECTOR TO THE BROWN PORT LABELED AUDIO ON THE D-810 UNIT.

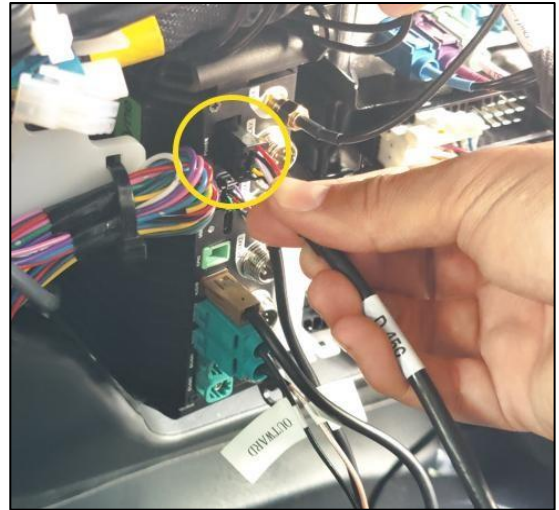
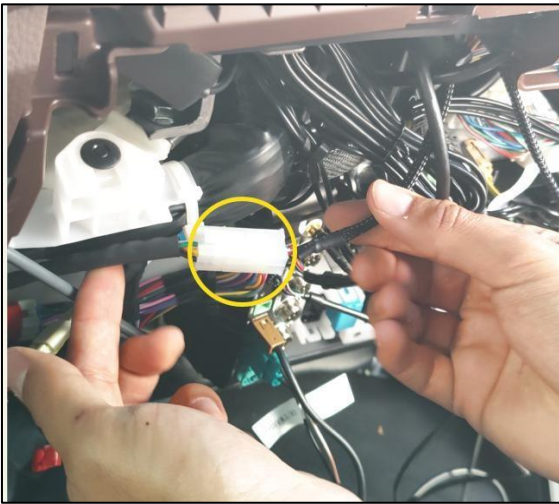




Routing D-810 Power Cable

- REMOVE D-810 POWER CABLE FROM THE BOX.
- SECURE AND ZIP TIE THE GT32 SIDE OF THE POWER CABLE.
- TUCK INTO VEHICLE PASSENGER DASH AS SEEN IN FIG.A.
- ROUTE THE 6-PIN MOLEX PORTION OF THE CABLE DOWN INTO THE VEHICLE DASHBOARD TOWARDS THE DIAGNOSTIC PORT.
- PLUG IN THE D-810 6-PIN MOLEX CONNECTOR TO THE VEHICLE POWER ADAPTER CABLE 6-PIN MOLEX CONNECTOR.
- PLUG IN BLACK CONNECTOR INTO PORT LABELED POWER ON THE D-810 UNIT.

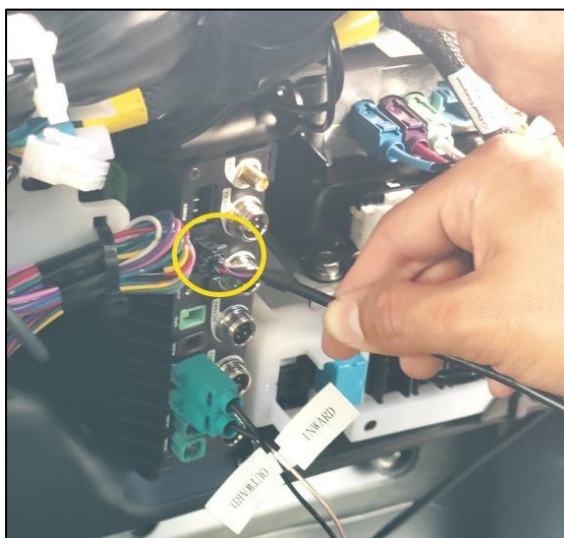
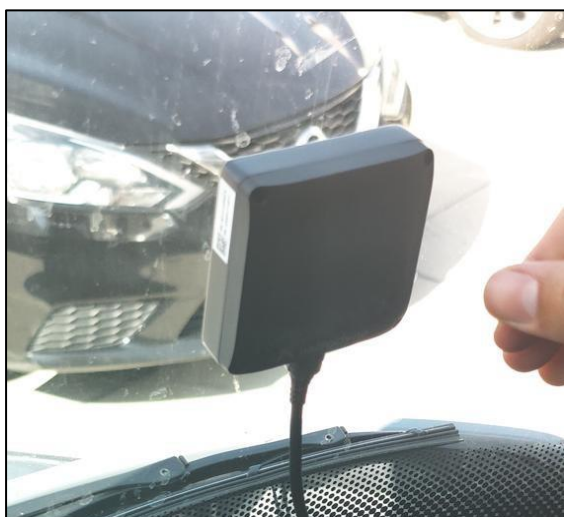




Routing and placing the Cellular/GPS Module

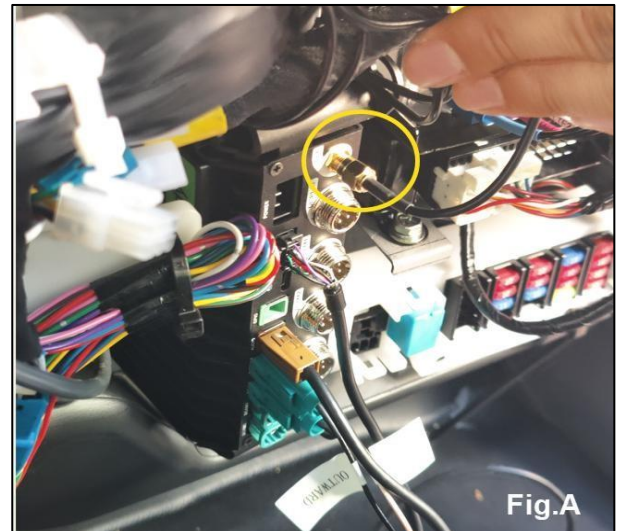
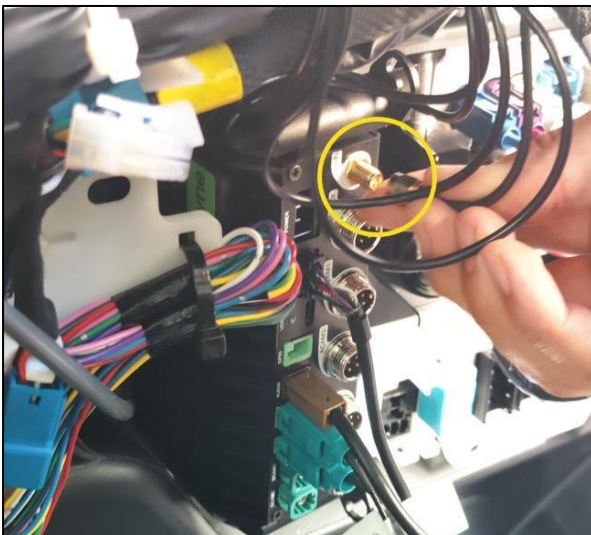
- CLEAN THE VEHICLE LOWER PART OF THE PASSENGER SIDE WINDSHIELD WHERE CELLULAR/GPS MODULE WILL BE PLACED WITH 91% OR GREATER ISOPROPYL ALCOHOL OR DENATURED ALCOHOL.
- REMOVE THE VHB TAPE BACKING FROM THE CELLULAR/GPS MODULE.
- THE CELLULAR/GPS MODULE CAN BE PLACED ON THE VEHICLE DASH OR THE LOWER CORNER OF THE VEHICLE WINDSHIELD.
- PLACE CELLULAR/GPS MODULE ON PASSENGER SIDE LOWER CORNER OF THE WINDSHIELD AND ADD A LITTLE PREASSURE TO ENSURE VHB TAPE IS LOCKED IN PLACE.
- ROUTE THE CELLULAR/GPS MODULE CABLE FROM THE PASSENGER SIDE WINDSHIELD TRIM INTO THE SIDE CORNER DASH INTO THE FUSE PANEL.
- PLUG IN THE CELLULAR/GPS MODULE BLACK CONNECTOR TO PORT LABELED LTE/GPS ON THE D-810 UNIT.





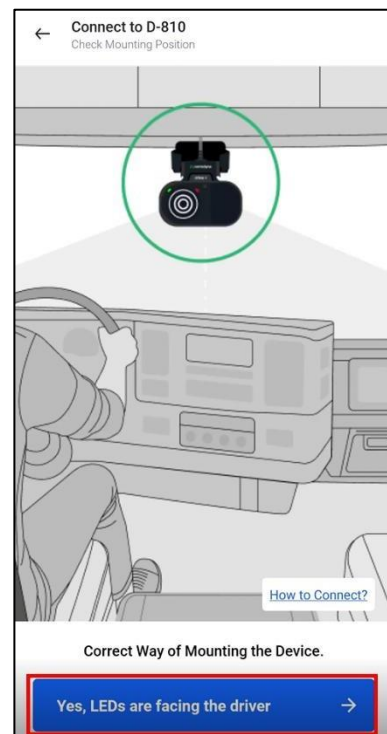
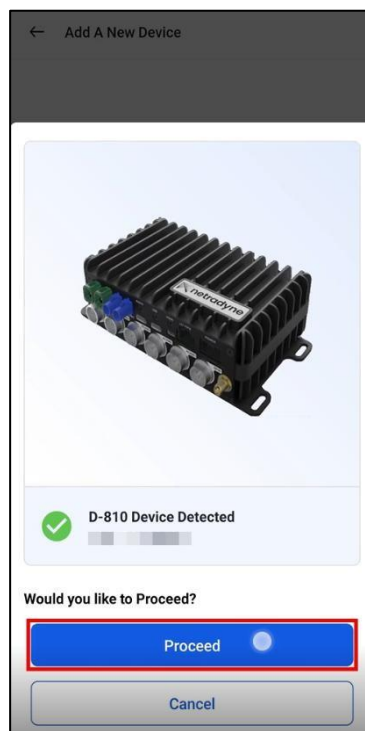
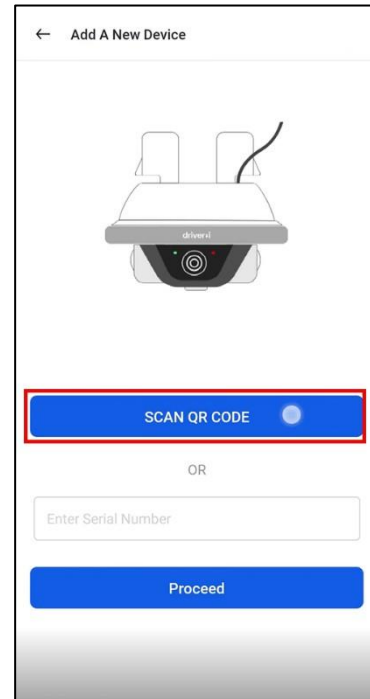
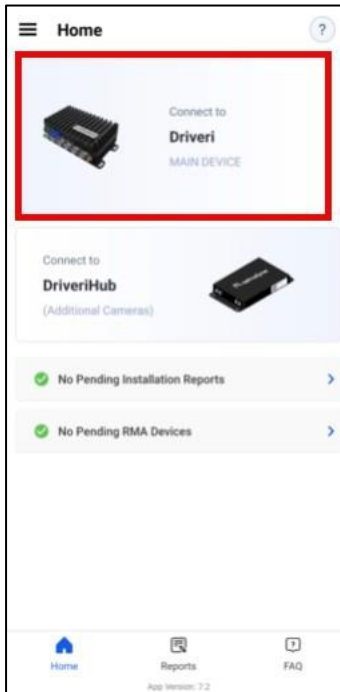
Connecting and Placing Wi-Fi Antenna

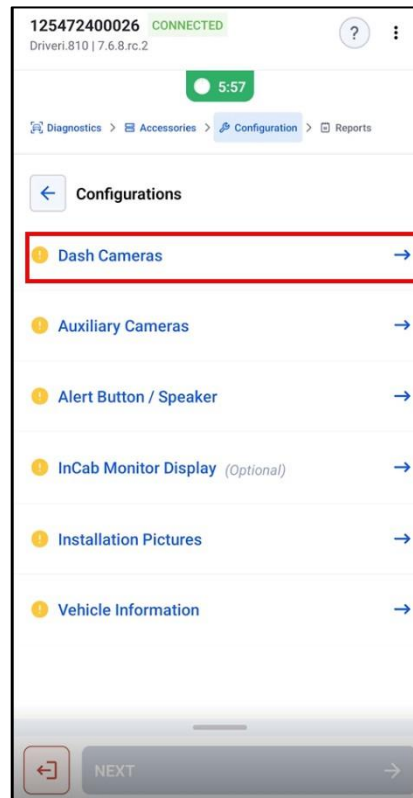
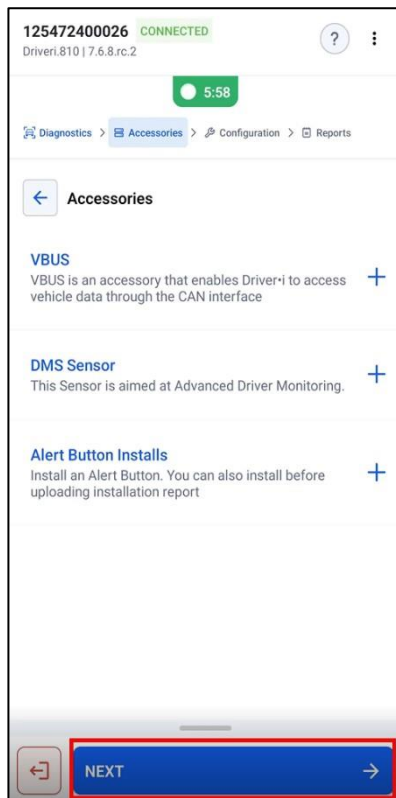
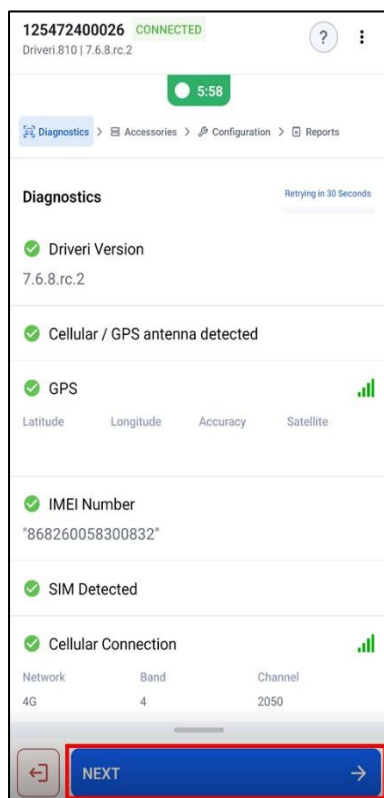
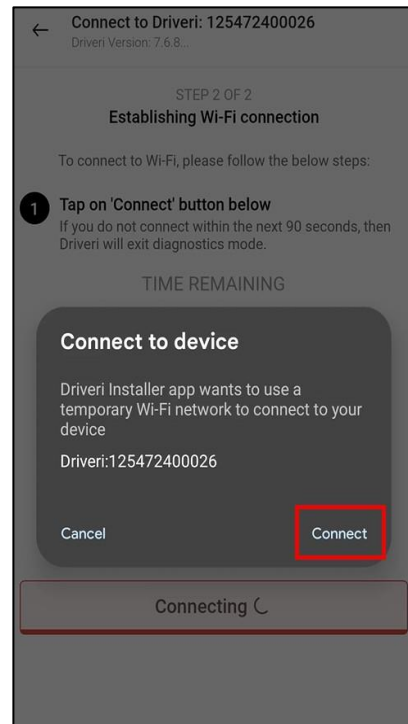
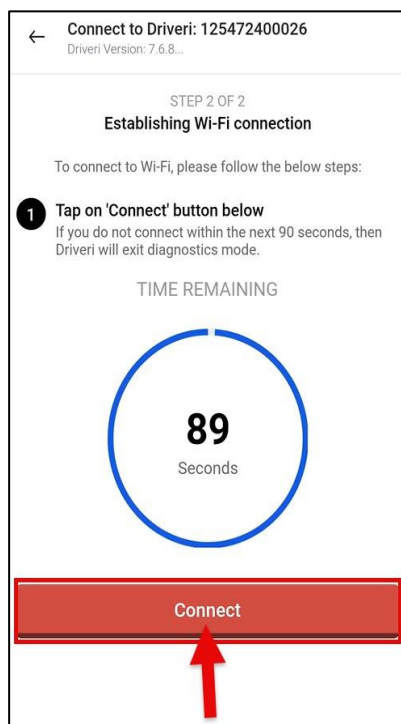
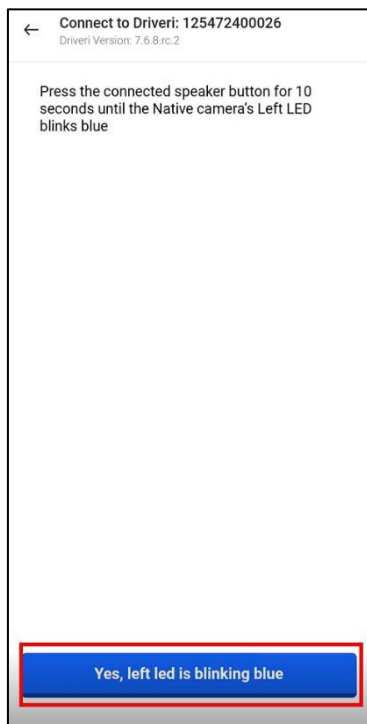
- REMOVE BHV TAPE BACKING ON THE WI-FI ANTENNA
- PLACE IN SECURE LOCATION NEAR THE D-810, ENSURING THAT ITS NOT SURROUNDED BY METAL.
- SCREW IN WI-FI ANTENNA TO D-810 AS SEEN ON FIG.A



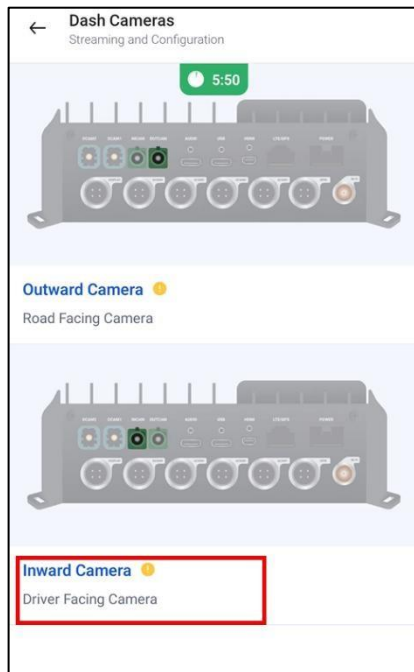
Step 4: Installer App Pairing

OPEN THE INSTALLER APP (WE RECOMMEND CONNECTING ALL ACCESSORIES BEFORE LAUNCHING THE INSTALLER APP).

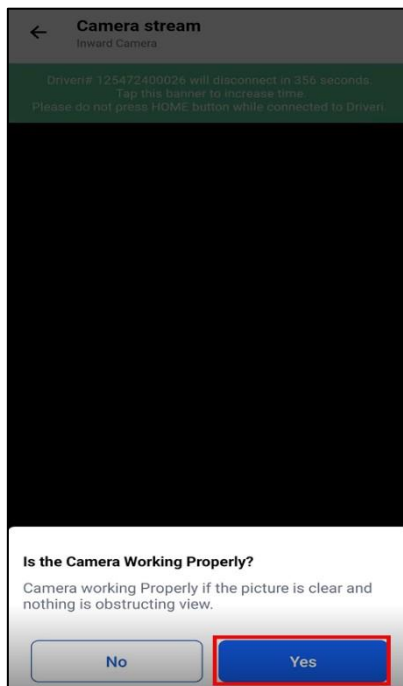




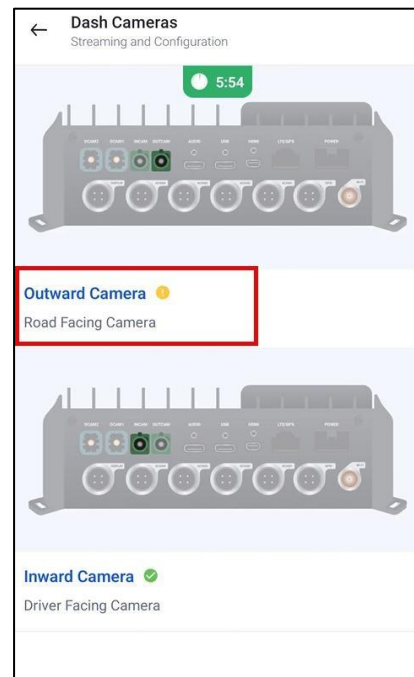
Tap on the appropriate accessories if applicable, if not, tap on next.



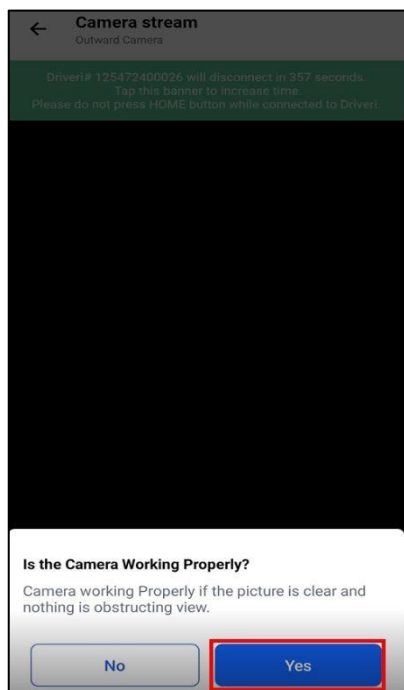
Tap on Inward Camera to verify feed.



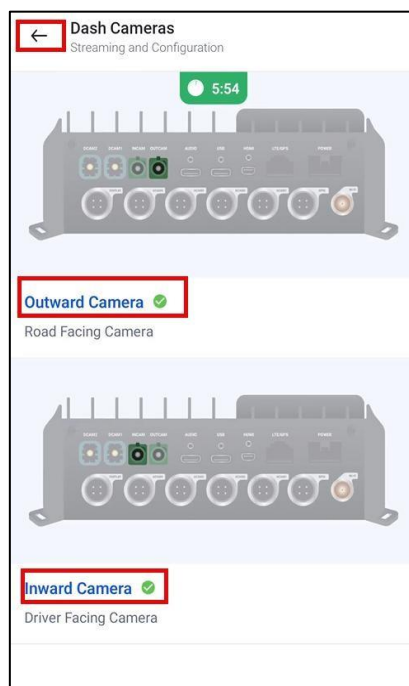
Tap on Yes if video feed is working properly.



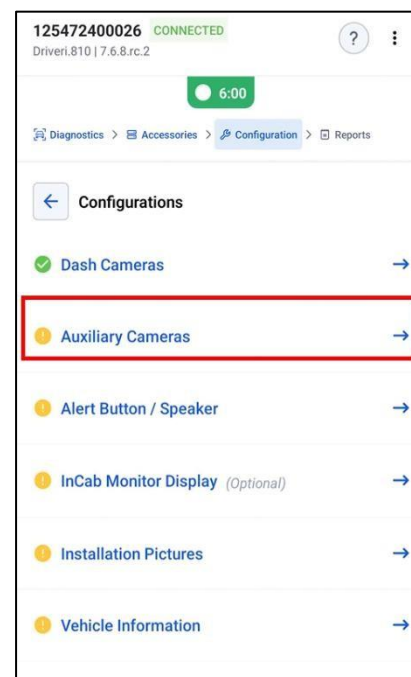
Tap on Outward Camera to verify feed and check camera alignment.



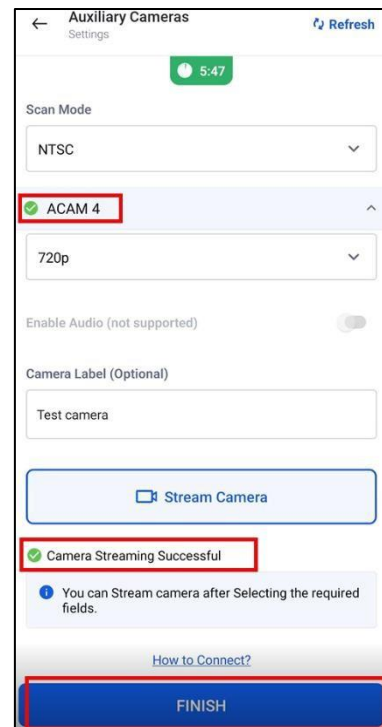
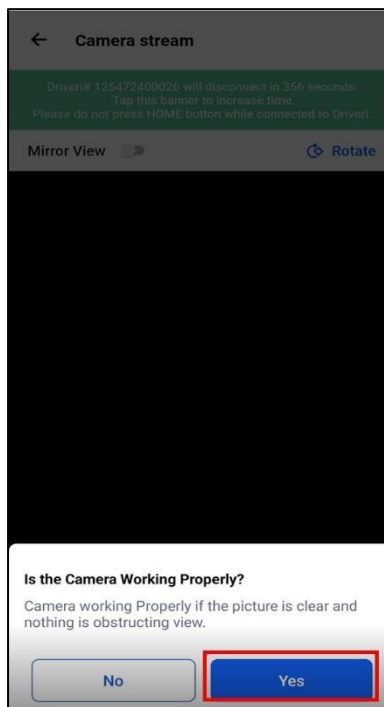
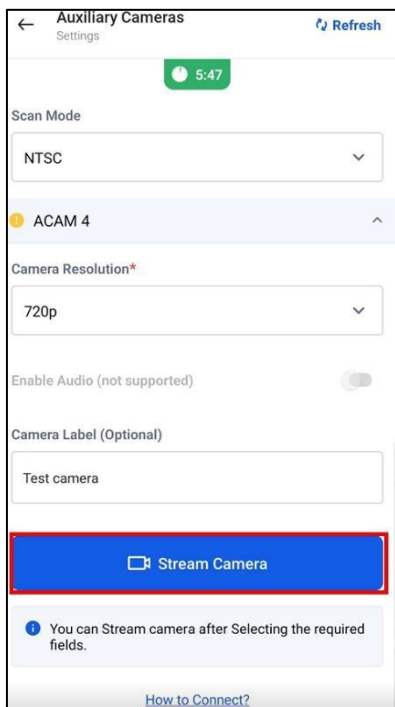
Tap on Yes, if video feed is working properly.



Once you have verified both inward and outward camera feeds, tap on the left arrow to get back to the configuration screen.

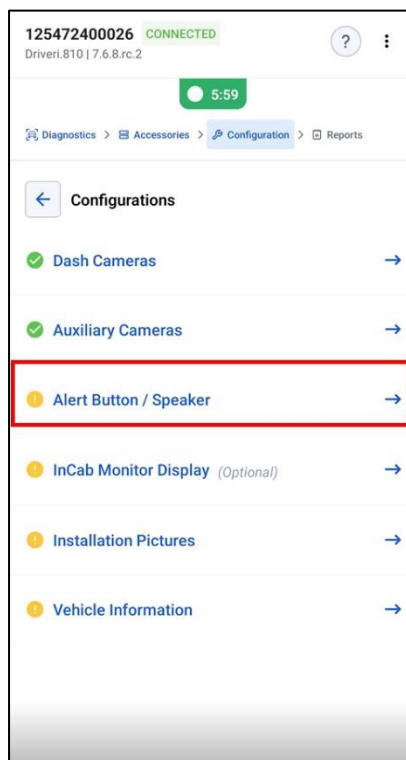


Tap on Auxiliary cameras if applicable, if not, move on to the Alert Button /Speaker.



Tap on Camera Stream, then tap on Yes if video stream is working properly.

Once you have verified all Auxiliary camera feeds (up to four), tap on the Finish button to get back to the configuration screen.



Tap the Alert Button when prompted to do so, to detect.

Tap on the Alert Button/Speaker.

125472400026 CONNECTED
Driveri.810 | 7.6.8.rc.2

6:00

Diagnostics > Accessories > Configuration > Reports

← Configurations

- ✓ Dash Cameras →
- ✓ Auxiliary Cameras →
- ✗ Alert Button / Speaker →
- ⓘ InCab Monitor Display (Optional) →
- ⓘ Installation Pictures →**
- ⓘ Vehicle Information →

Tap on Installation Pictures to upload up to 8 pictures.

125472400026 CONNECTED
Driveri.810 | 7.6.8.rc.2

3:09

Diagnostics > Accessories > Configuration > Reports

← Configurations

- ✓ Dash Cameras →
- ✓ Auxiliary Cameras →
- ✗ Alert Button / Speaker →
- ⓘ InCab Monitor Display (Optional) →
- ✓ Installation Pictures →
- ⓘ Vehicle Information →**

Tap on Vehicle Information to input data for installation report.

← Installation report
Create Installation report

5:39

Time zone: America/Los_Angeles

Installation location:
UTC

Installer name:
Ben B

Vehicle CAN Bus Info

Vehicle CAN Bus Info

Confirm CAN cable connectivity?
Vehicles older than 2008 do not support CAN Bus.

☒ No
☐ Yes

Provide at least one of the three fields: License Plate, Vehicle Number, VIN

VIN

Enter VIN

Decode VIN

☐ I don't know VIN

OR

Scan VIN

Scan appropriate barcode or QR code for vehicle VIN.

Vehicle number (Optional)

← Installation report
Create Installation report

5:21

License plate number
123

GVWR (Gross Vehicle Weight Rating):
8000 lb

Optional Fields

Save Report

Fill out all the required fields, Installation Location, Installer Name, if Vehicle using a CAN BUS cable, VIN and Vehicle number, then Tap Save Report.

DR-20 LED INDICATORS



LED 1 Status (Left-side LED)	LED 2 Status (Right-side LED)	Description	Possible Solutions
Flashing RED	OFF	Device is booting up and flashing RED should last for 15 seconds.	N/A
OFF or solid RED or flashing RED for more than 15 seconds	OFF	There is an error	Please contact support
GREEN	GREEN	Privacy mode is OFF. Inward camera is ON and recording.	N/A
GREEN	RED	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

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

FCC Compliance This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

2.1 OPERATING REQUIREMENTS AND CONDITIONS The design of Device complies with U.S. Federal Communications Commission (FCC) guidelines respecting safety levels of radio frequency (RF) exposure for Mobile devices.

2.2 RF Radiation Exposure Statement This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

2.3 FCC PART 15 STATEMENT § 15.105 (Class B digital device) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. —Consult the dealer or an experienced radio/TV technician for help.

FCC CAUTION STATEMENT FOR MODIFICATIONS CAUTION: Any changes or modifications not expressly approved by Arista could void the user's authority to operate the equipment.

IC Caution: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF exposure statement: The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. 5150-5250MHz is for indoor use only.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1. L'appareil ne doit pas produire de brouillage; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Déclaration d'exposition RF: L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.