



2019 - Present Mercedes Benz Actros

Installation guide for the Geotab GO device in a Mercedes Actros truck using the HRN-CW03K3 (3-Wire Harness) & IOX-CLAMP.

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 RECOMMENDED TOOLS & CONSUMABLES:

- 1/4" Metric Socket Set with Ratchet or Driver (1)
- Multi-Bit Screwdriver with Assorted Bits (1)
- Flush Cutter (1)
- Cable Ties (1)
- Professional grade wire crimpers & cutters (1)
- DMM (1)
- Heat Gun (1)
- Panel Removal Tool (1)

 HARDWARE & ACCESSORIES:

- GO9 (1)
- HRN-CW03K3 3-Wire Harness w/ Fuse Kit (1)
- IOX-CLAMP (1)

— Warnings and Considerations

- ⚠ **WARNING!** Only use Geotab telematics devices with Geotab-approved harnesses acquired from Geotab-authorized channels. Use of non-Geotab harnesses from unauthorized channels can cause serious safety risks, including fire, and can lead to serious personal injury and/or damage to the vehicle.
- ⚠ **IMPORTANT:** Always use a vehicle-specific harness when offered by Geotab or the vehicle manufacturer to avoid possible damage to the GO device. Some vehicles have multiple diagnostic connectors to choose from when installing a GO device.
- ℹ For more information on Geotab harnesses and adapters, refer to the [Harness Identification and Application](#) & [Harness Assessment Cheat Sheet](#) & [Geotab Truck Solution - Harness Identification and Application](#)
- ✳ If a longer length is required to facilitate installation, connect a straight harness to a T-harness. Ensure that the total harness length does not exceed 2 meters (6.5 feet), because this can compromise the integrity of the data and cause issues with the vehicle's Engine Control Unit (ECU).
- ℹ For more details on compliance information and applicable products, contact your Authorized Reseller.

— Preparing For Installation

- ⚠ **WARNING!** Some installations are not straightforward and must be completed by an Authorized Installer to ensure a secure installation.
- ⚠ An unsecure device can result in poor electric and/or data connections, which can lead to short circuits and fires or cause malfunctions of vehicle controls that can result in serious personal injury or significant damage to the vehicle. Some examples requiring professional installation from an Authorized Installer are:
- The OBD port location is such that the device protrudes and interferes with entering or exiting the vehicle, or located where it could be inadvertently kicked or bumped during vehicle operation.
 - The device isn't fully secured and so may come loose with vibrations or accidental contact.
 - An electrical harness or additional wiring is required.
 - Vehicle mounting modifications are required to secure the device, i.e. removing of panels; deformed/damaged OBD connector; or physical damage to the electrical wiring.
 - The device does not power on and beep six times when first installed.
 - The installer questions their ability to complete a secure installation according to these instructions.

- ⚠ **WARNING!** Do not attempt to install, reconfigure, or remove any product from a vehicle while the vehicle is in motion or otherwise in operation. All installation, configuration, or removal must be done only in stationary vehicles which are securely parked.
- ⚠ Attempting to service devices while the vehicle is in motion could result in malfunctions or collisions, leading to death or serious personal injury.

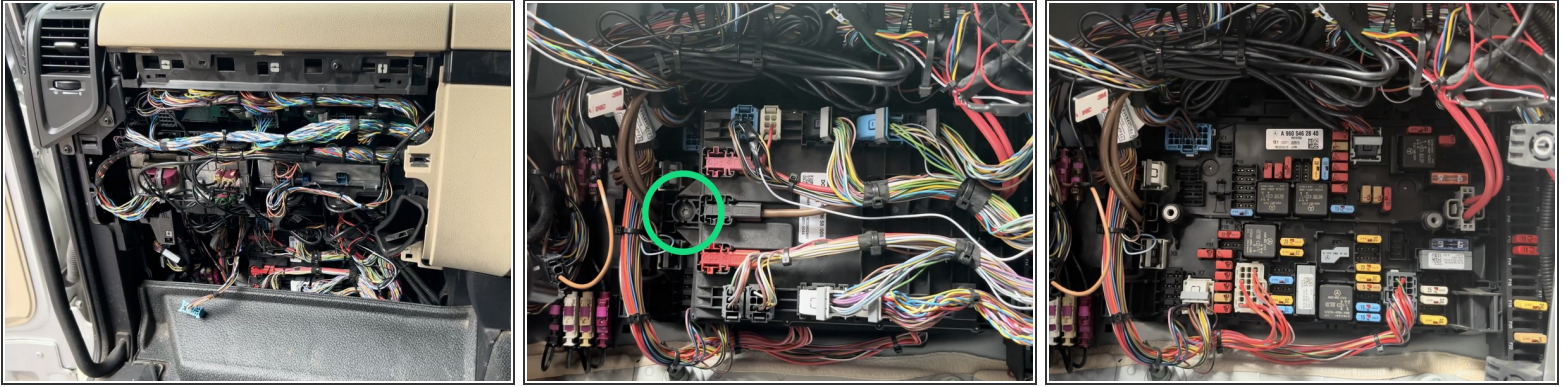
— Access the fuse panel



- Remove the necessary dash panels in order to access the vehicle's fuse panel.

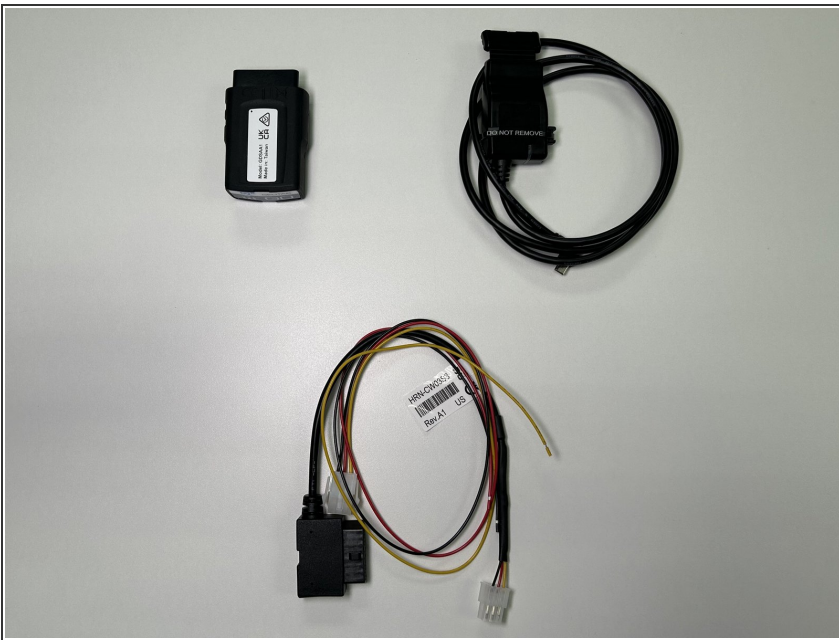


- Remove the plastic trim using a panel removal tool.
- Use a T20 torx driver to remove the screws.
- ☑ Take care not to damage any plastic clips or misplace any screws.



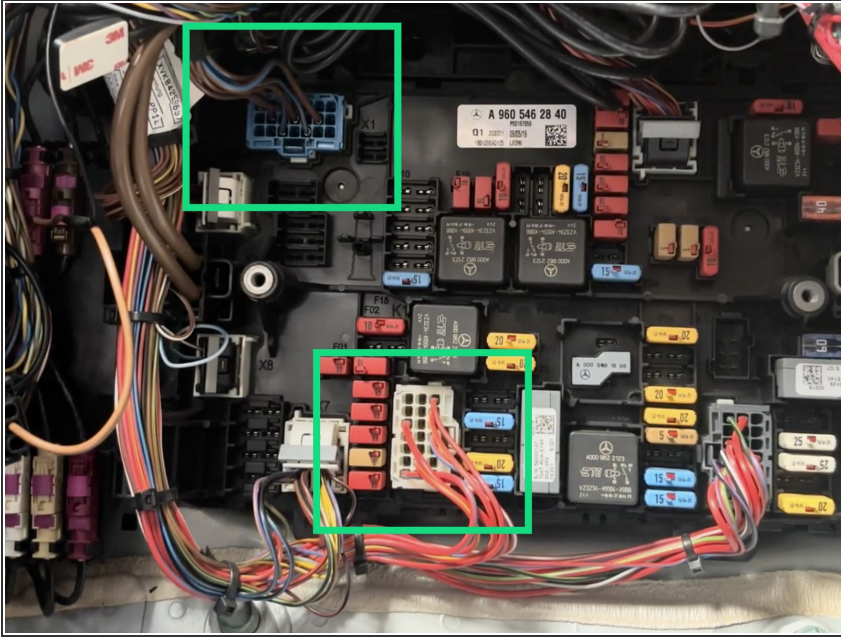
- Use a T30 torx driver to remove the screw securing the ASAM control module.
- Pull the ASAM control module to the side to get access to the main fuse panel.

— HRN-CW03K3 & IOX-CLAMP



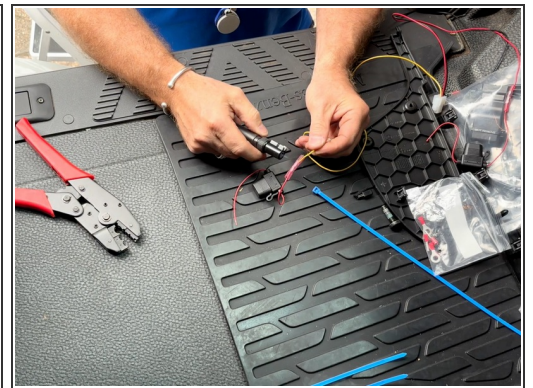
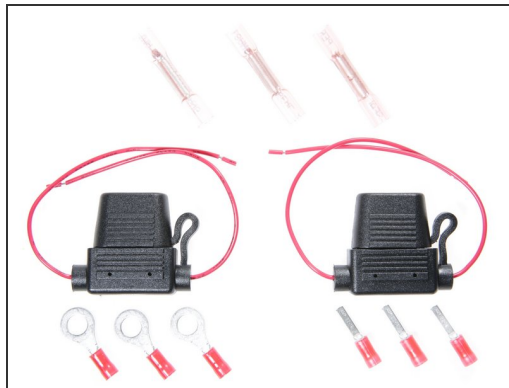
- ① Installing a GO Device into a Mercedes Actros requires a HRN-CW03K3 (3-wire harness) & IOX-CLAMP.

— HRN-CW03K3 Connections



① Using a digital multimeter locate the following:

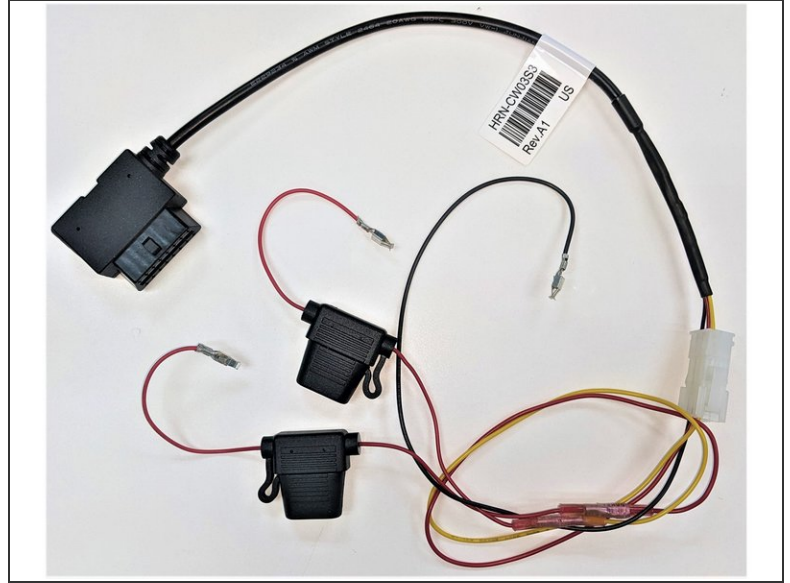
- 12V / 24V Constant Power -
Must be a true battery source / live at all times.
- 12V / 24V Switched Ignition -
Must be +12/24V when the key is in both ON and Run positions, 0 when in Off position.
- Ground



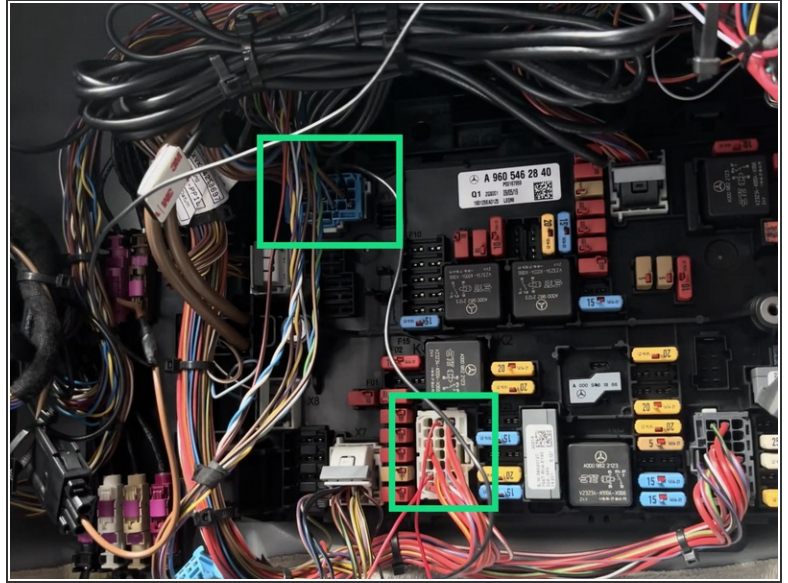
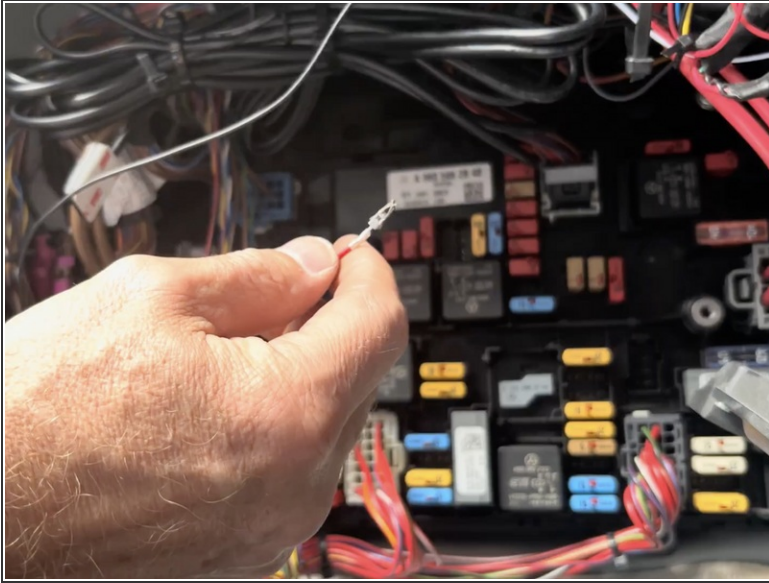
① Prepare the HRN-CW03K3 harness by using the supplied parts and fuse holders in the HRN-5AFUSEKIT.

- Using a set of wire crimpers, attached the fuse holders onto the RED and YELLOW wires using the heat shrink butt splice connectors.
- Ensure to use a heat gun, or other heat source to heat shrink the butt splice connectors.

① The remaining blunt end from the fuse holder will be connected to the vehicle.

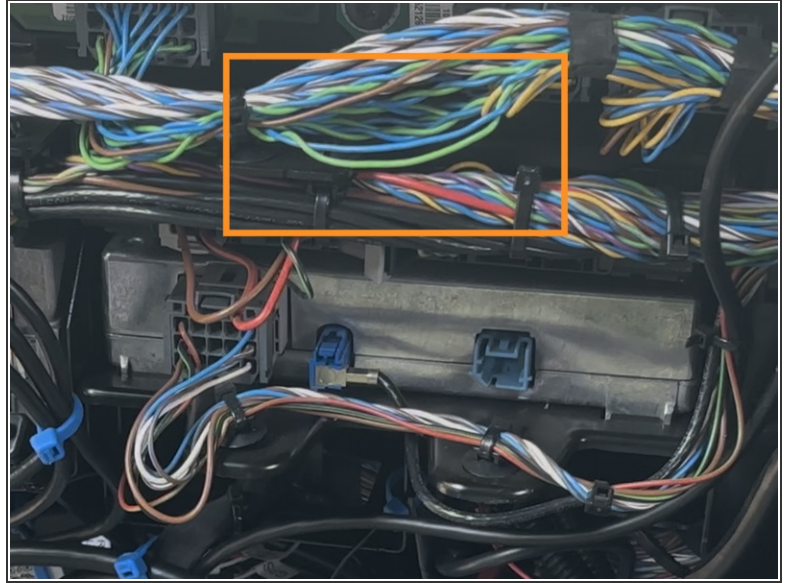
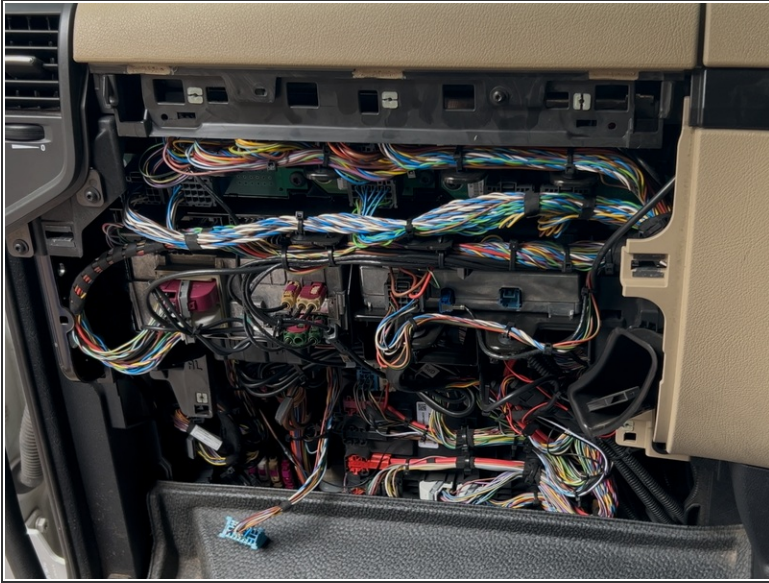


- ① Connections to the vehicle fuse panel can be made using 3 x pin contacts - Part # 964286-2
 - ① [Mouser](#)
 - ① [Digikey](#)
- Crimp the pin contacts onto the blunt ends of the prepared HRN-CW03K3 harness using the appropriate crimping tool.



- Connect the prepared HRN-CW03K3 harness to the vehicles fuse panel.
- ① If you do not have the pin contacts - Part # 964286-2 - then you may splice and solder the connections onto the factory wiring harness.
- ⚠ For all connections, strip 1/2" (15 mm) of insulation, solder, and insulate the connection using heat shrink or electrical tape.

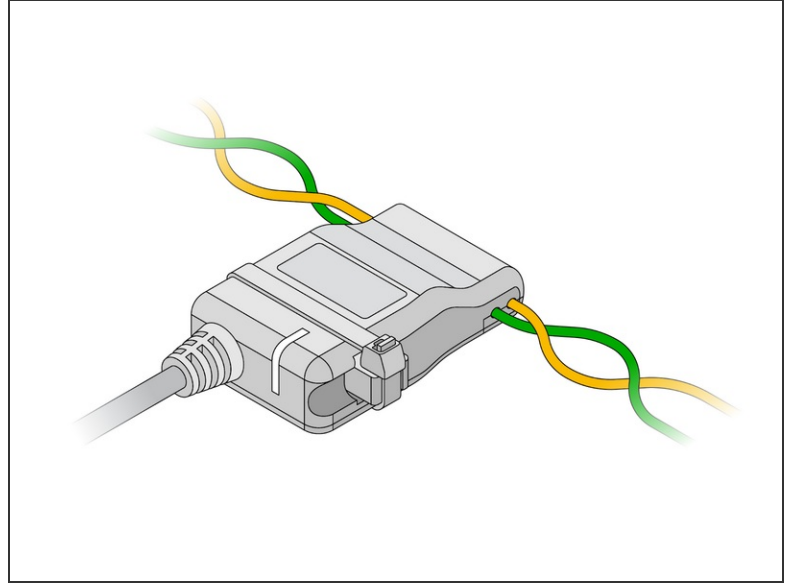
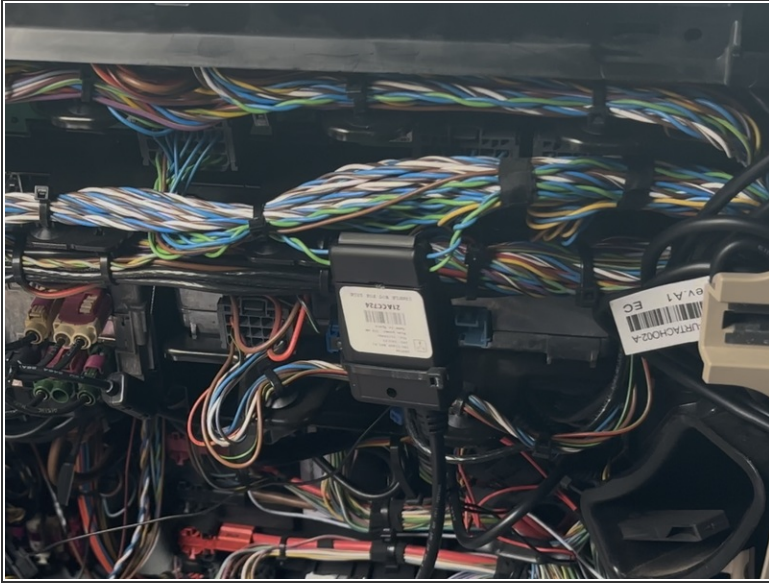
— IOX-CLAMP Connection



- ① Identify the intended installation location and wiring for the IOX-CLAMP.
- If the wires are twisted, slightly untwist them first.
- ☒ Refer to the [CAN Bus Location Guide](#) for a list of vehicle specific wire locations.

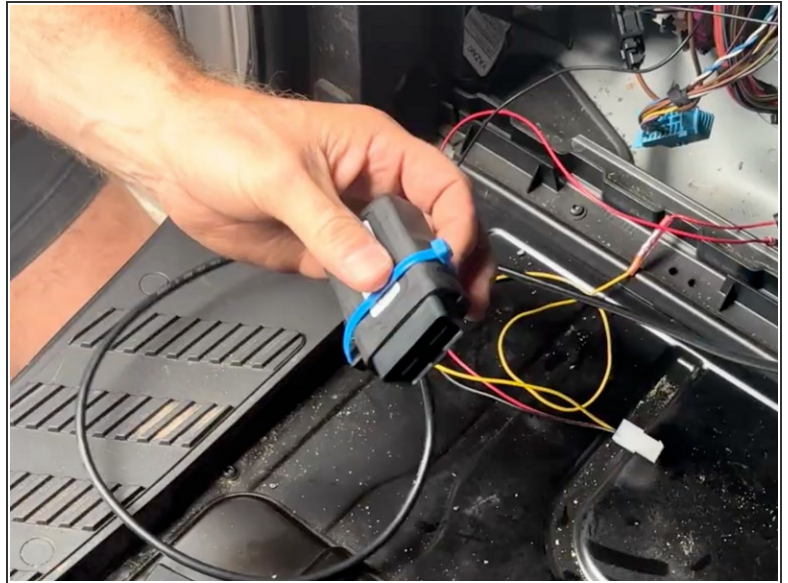
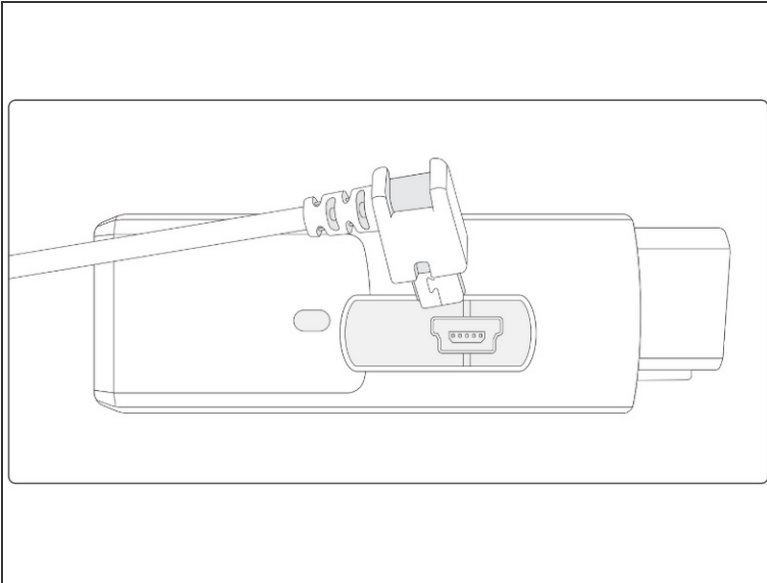


- Open the clamp and insert the wires into either of the device cavities.
- ✦ Ensure the wires are seated in the grooves of the clamp.
- ⓘ The IOX-CLAMP features automatic polarity detection, allowing either wire to be inserted into either of the clamp's cavities.
- ⚠ **Never cut, extend or modify the vehicle CAN bus wires.**



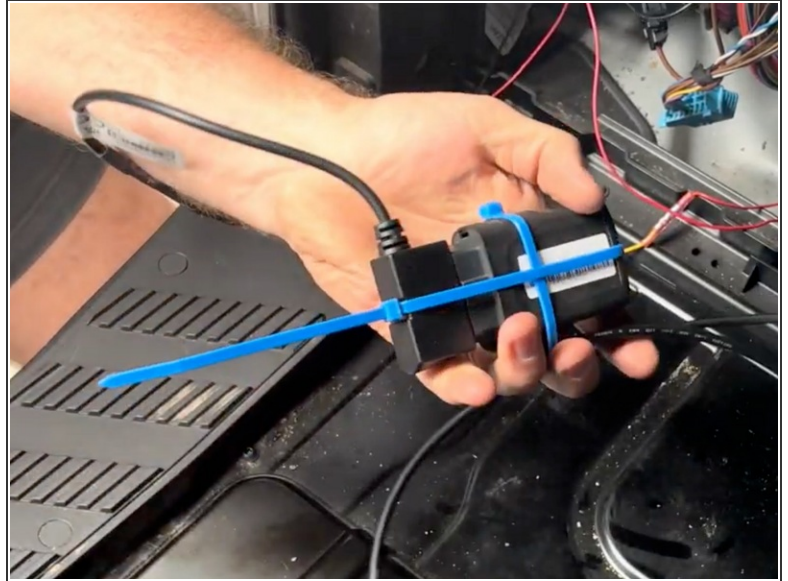
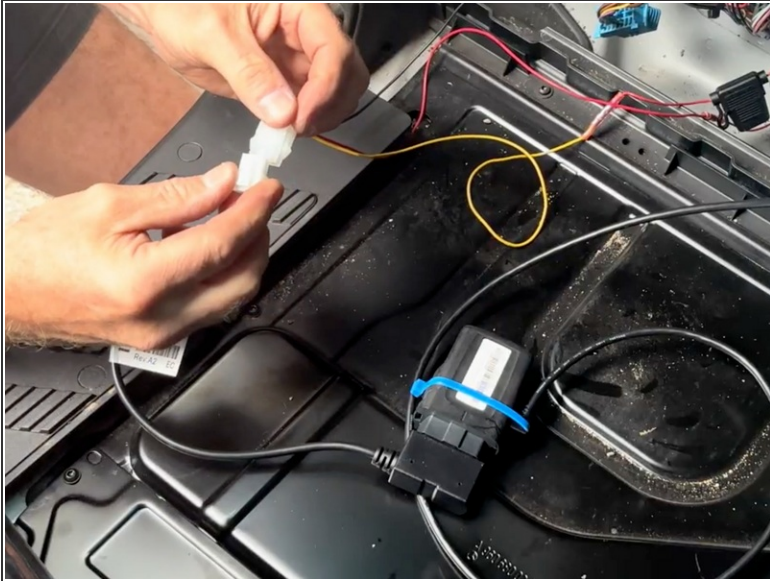
- Close the clamp and ensure that it closes without pinching any wires.
 - ☑ Secure the device and all its connections using cable ties.
 - ☑ Trim any excess tie.
- ① The IOX-CLAMP can be reused by opening it with a flathead screwdriver. Reusing the clamp too many times can damage the clamp and is not recommended.
- ① For more information regarding the IOX-CLAMP, visit [this link](#).

— Connect the IOX-CLAMP to the GO Device



- Remove the expansion Port cover on the GO device.
- Plug in the 90° USB connector from the IOX-CLAMP into the GO device.
 - ① The USB connector must be inserted in the orientation displayed in the image to the right, with the 90° bend facing away from the GO device's OBD-II connector.
 - ☑ Secure the USB connector using a cable tie.
 - ⚠ **DO NOT OVER-TIGHTEN!** the cable tie as this can damage the USB connector.
 - ☑ Trim any excess tie.

— Connect the GO Device



- Connect the GO device to the HRN-CW03K3 harness.

⚠ Secure the connection using a cable tie.

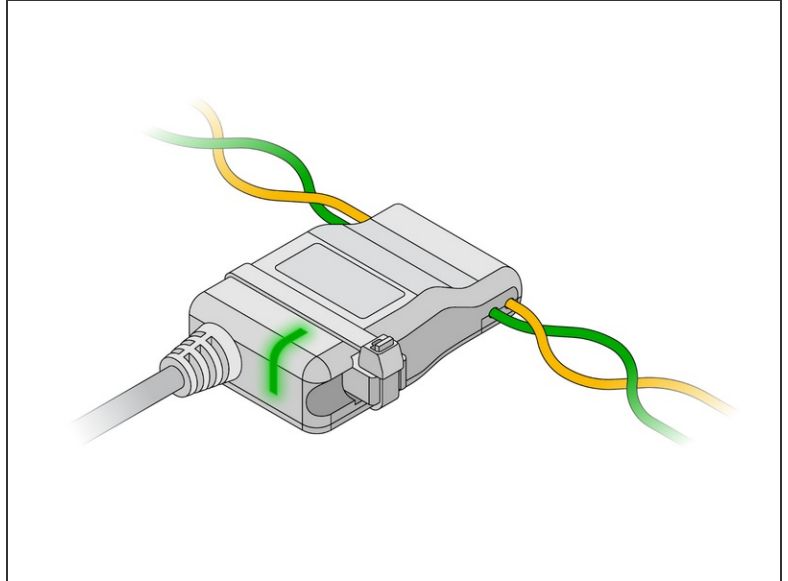
✂ Trim any excess tie.

— Start the engine



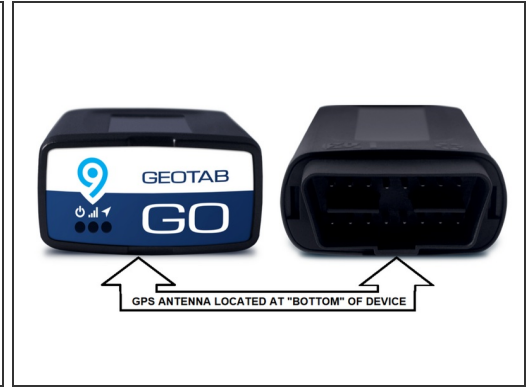
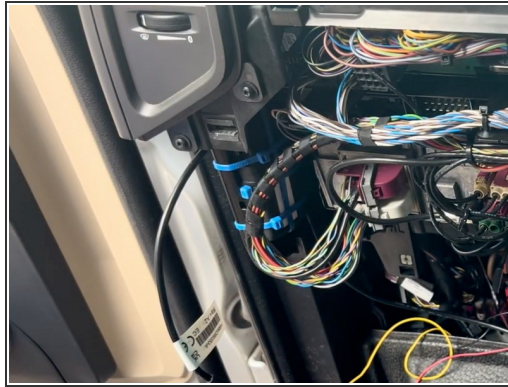
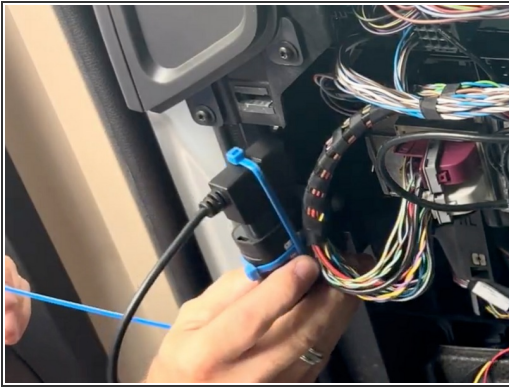
ⓘ Start the engine.

— Verify LED's



- ✦ Ensure all 3 LED's on the GO device are solid.
- ⓘ The IOX-CLAMP device has a status LED that produces a series of blinks followed by a pause.
 - ⓘ Once the ignition / engine is on, after a few minutes, if the installation is correct, the light sequence should be SOLID Green.
- ✦ If you see a different light sequence, refer to the [IOX-CLAMP page](#) for troubleshooting steps.

— Mount the GO Device



- ☑ Securely mount the GO device using at least 2 cable ties.
 - ⚠ To ensure good data quality, the device must be firmly secured with no free movement!
- ☑ The GPS antenna is located on the "bottom" of the GO device.
 - ⚠ The device **must not** be secured with bottom side (side with serial number sticker) facing in direct contact of metal!
 - ⚠ To ensure reporting quality the bottom of the device must have line of sight to the sky!
 - ℹ Lines of sight through plastics, glass, and composites are generally acceptable.

— Secure excess wiring and re-assemble dash panels



- ☑ Secure excess wiring using cables ties.
 - ⚠ Ensure the wiring does not interfere with any moving parts or safe operation of the vehicle in any way.
- Replace all dash panels previously removed.

— Verify Installation

- ⚠ All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, airbags, and gas, brake and clutch pedals.
- ⚠ This requires the use of a cable tie when securing the device or any extension harness to the OBD connector, securing both sides of the harness. If you do not use a cable tie, vibration in the vehicle can lead to a loose connection which could cause the vehicle's engine computer to fail, causing potential loss of vehicle control and serious injury.
- ⚠ Inspect devices and cabling regularly to ensure all devices and cabling continue to be securely attached.
- ⚠ If at any point after an in-vehicle device is installed a warning light illuminates on the vehicle dash or the vehicle stalls or has a marked drop in performance, shut off the engine, remove the device, and contact your reseller. Continuing to operate a vehicle with these symptoms can cause loss of vehicle control, and serious injury.

— MyInstall (Public)

- ① **Navigate to one of the following:**
 - ✦ [MyInstall \(Public\)](#)
 - ✦ [MyInstall \(Fed Gov\)](#)
- ① **Note that the following steps are for the public version of MyInstall.**
 - ✦ If you have an installer [MyAdmin account, use this link](#)
 - ✦ This link is also accessible via the MyInstall Public page.

Installation

Access the full install experience.

Log in

Tell us who you are

First name*

Last name*

Company*

Continue

● Enter the installer information.

New Installation

Position the installed device serial number (QR or bar code) in the frame to scan it

Back

Enter serial number manually

New Installation

Position the installed device serial number (QR or bar code) in the frame to scan it

Enter device serial number

Installed device serial number*

GO1234567890

Did you remove an old device?

Close

Submit

New Installation

Checking for device

GO1234567890

i

Two options are available to enter the device serial number:

● Scan the device serial number (QR or barcode) using your mobile device.

● Press **Enter serial number manually**, enter the serial number, and then press **Submit**.

★

If you are also removing an old device, press **Did you remove an old device?** and then enter the removed device serial number.

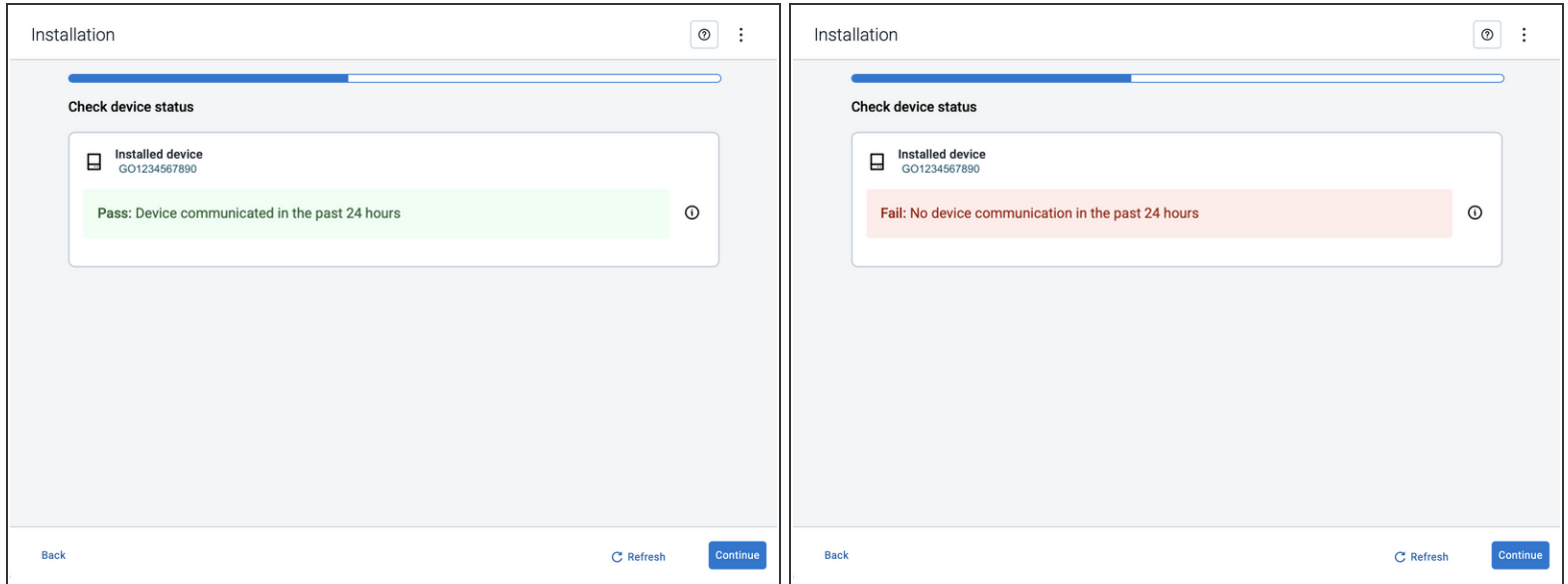
i

MyInstall takes a moment to check the device status.

This document was generated on 2026-06-10 07:33:22 AM (MST).

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❗ Installed device

- **Pass** – The device has successfully communicated with the network in the last 24 hours.
- **Fail** – The device has not communicated with the network in the last 24 hours.

⚠ If the device status shows as **FAILED**, verify the LED status and turn the ignition / engine off and on again.

❗ Press **Refresh** to check the status again.

❗ Refer to the [MyInstall User Guide](#) for detailed instructions.

New Installation

Input asset information

Asset type*

Select asset type

Back

Continue

- Under **Input asset information**, select the relevant **Asset type** from the dropdown.
- Fields displayed may vary based on the asset and device type.
- Enter information about the vehicle or asset where the telematics device was installed.

New Installation

Input asset information

Asset type*

Vehicle

Asset name*

VIN*

Make

Model

Year

License plate

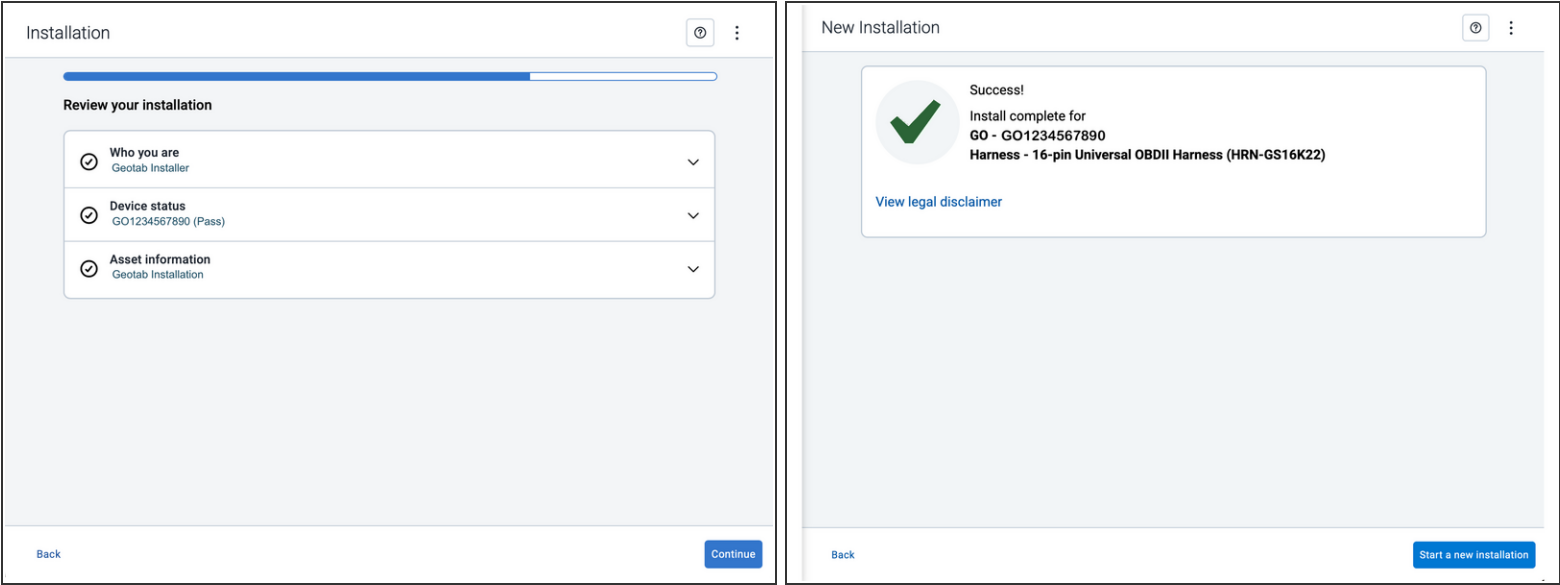
Odometer

Back

Continue

- Asset name** — Enter the vehicle or asset name. This field is mandatory.
- VIN** — Scan or enter the vehicle identification number (VIN). For scanning, select the scan icon **[O]** beside the field. This field is mandatory.
- Make, Model, and Year** — This information will be auto populated when you scan or enter a valid VIN. If it is not autopopulated, enter the information manually. *NOTE: For some vehicle makes and models, the autopopulate option might not be possible.*

- **License plate** — Enter the vehicle license plate.
- **Odometer** — Enter the vehicle odometer, and select the measurement unit (km or miles).
- **Engine hours** — Enter the vehicle engine hours.
- **Camera ID** (GO device only) — Scan or enter the installed camera identification (ID) number. *NOTE: Depending on the camera type, the camera ID number can also be the camera's International Mobile Equipment Identity (IMEI), or serial number. Select the information icon ⓘ to learn more about your camera's ID number.*
- **Work order reference** — If applicable, enter a work reference number that is associated with the installation.



- ① Review details by clicking or tapping on any section. If needed, update or refresh any captured information.
- When you are ready to submit, select **Continue**.

— Important Safety Information and Limitations of Use

- ① For the latest version of the [Limitations of Use](#)
- ⚠ **Your in-vehicle devices must be kept clear of debris, water and other environmental contaminants. Failure to do so may result in units malfunctioning or short-circuiting, which can lead to a fire hazard and cause loss or serious injury.**
- ① This product does not contain any user-serviceable parts. Configuration, servicing, and repairs must only be made by an authorized reseller or installer. Unauthorized servicing of these products will void your product warranty.
- ① The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:
 - Hereby, Geotab (Address: 2440 Winston Park Drive, Oakville, Ontario L6H 7V2, Canada, Phone number: 1 (877) 436-8221) declares that the radio equipment type 'telematics device' is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available [here](#).
- ⚠ **WARNING:** [Cancer and Reproductive Harm](#)