



HRN-GS16K22 & HRN-BD06A12 installation for select Peugeot, Citroen, Opel, and Vauxhall vehicles

This guide will take you step by step through a typical GO device installation using the HRN-GS16K22 Standard 16-Pin T-Harness Kit & HRN-BD06A12 adapter.

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INTRODUCTION

[video: <https://youtu.be/G7JJyZHU-nM>]



TOOLS:

- [Multi-Bit Screwdriver with Assorted Bits](#) (1)
- [1/4" Metric Socket Set with Ratchet or Driver](#) (1)
- [Flush Cutter](#) (1)
- [DMM](#) (1)
- [Cable Ties](#) (1)
- [Panel Removal Tool](#) (1)



PARTS:

- [GO9](#) (1)
- [HRN-GS16K22 Standard 16-Pin T-Harness Kit](#) (1)
- [HRN-BD06A12 - 16-pin Adapter Harness for Peugeot, Citroen, Opel and Vauxhall Vehicles in Europe](#) (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 GO device damage. Some vehicles have multiple diagnostic connectors to choose from when installing a GO device.
- ℹ For more information on Geotab harnesses and adapters, see [Harness Identification and Application](#) & [Harness Assessment Cheat Sheet GUIDE V2.0](#)
- ✳ 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 (or 6.5 feet). Any two harnesses that exceed 2 meters may 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

- ⚠ Some installations are not straightforward and must be completed by an Authorized Installer to ensure a secure installation.
 - ⚠ Ensure you use enough cable ties to secure both the device and the harness to the vehicle. 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 could protrude or interfere when 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 may be able to vibrate loose or get kicked or knocked. An electrical harness or additional wiring is required.
 - Vehicle mounting modifications are required to secure the device, such as removing of panels. The OBD connector has been deformed/damaged or there is physical damage visible 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.
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- ⚠ Do not attempt to install, reconfigure or remove any product from a vehicle while the vehicle is in motion or otherwise in operation. Any installation, configuration, or removal must be done only in stationary vehicles that are securely parked.



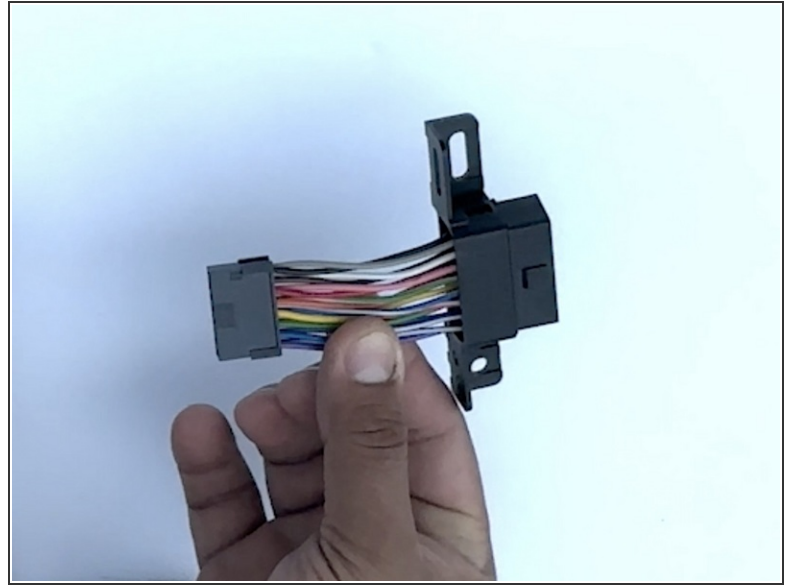
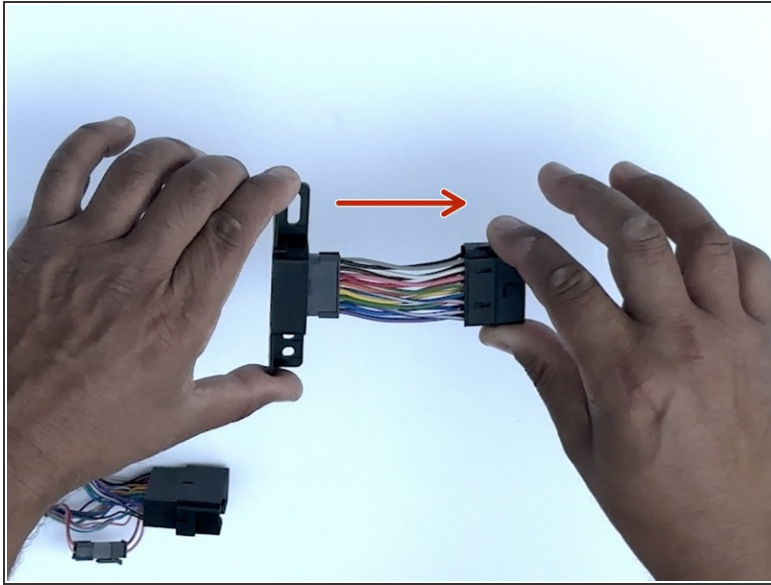
① Before installing, record the following:

- GO device serial number (located above the barcode on the device label)
- Odometer reading
- Vehicle or asset name
- VIN (vehicle identification number)

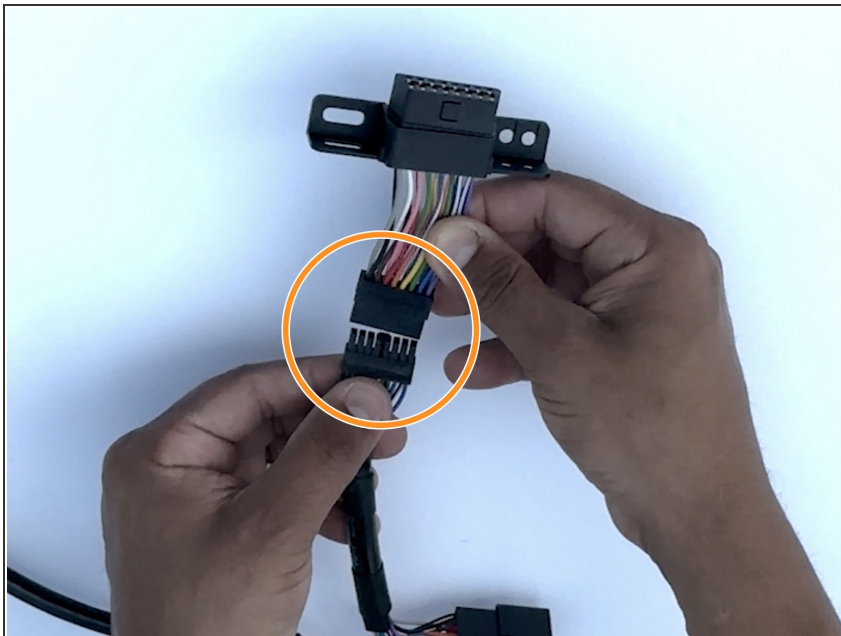
— T-harness Installation



- Locate & remove the diagnostic port from its factory location.
- ① Identify the adapter required for installation from the parts included in the kit.
- ★ See [here](#) for general identification.



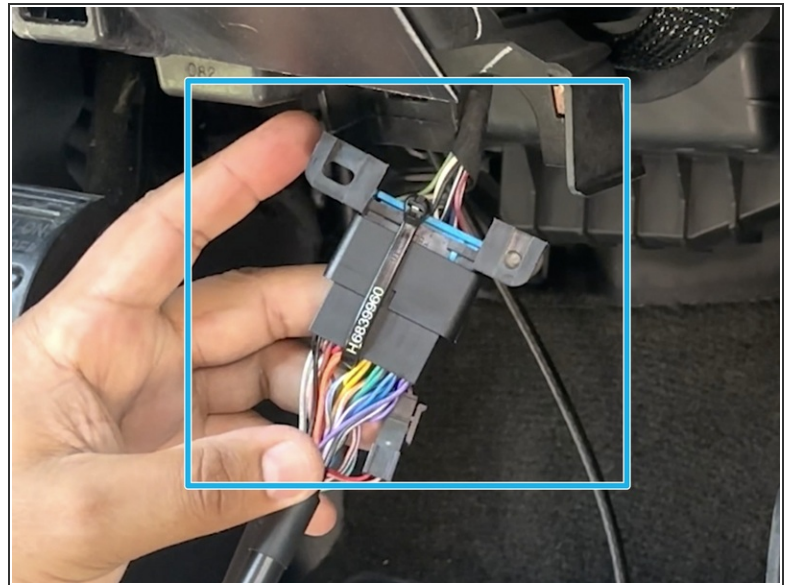
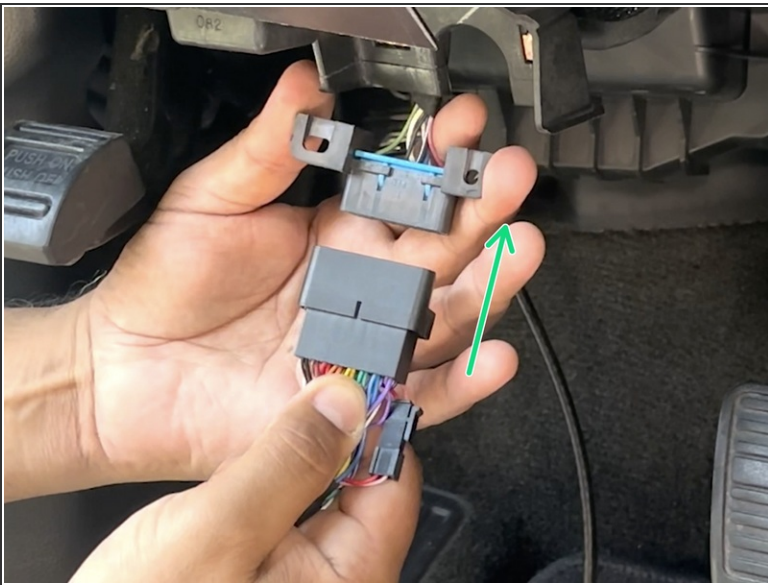
- ✦ Choose the correct adapter for your installation.
- Slide the adapter over the short harness and onto the connector housing.
- Ensure the adapter locks into the locking tabs.
- ❗ *If the adapter is not locking into place, the adapter is likely installed backwards.*



- Connect the Molex connector to the T-harness.

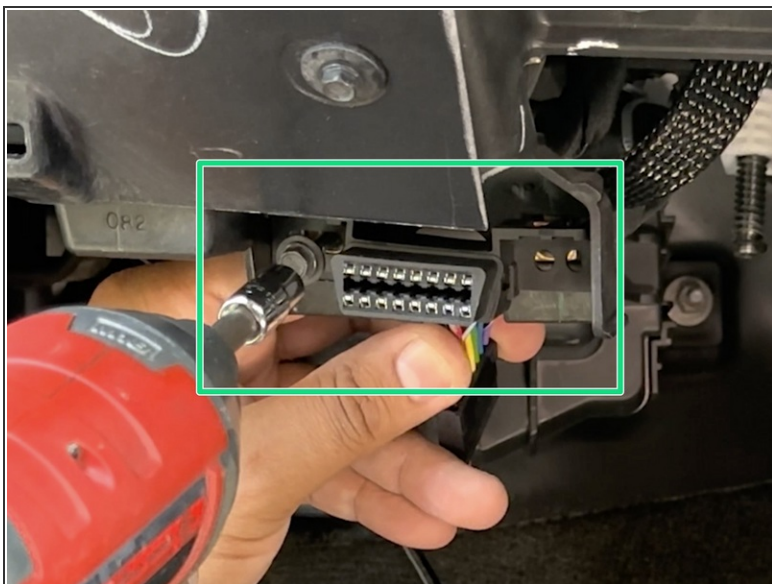


! IMPORTANT: For Ethernet bypass (pins 3 & 11), disconnect the 2-pin Molex connector. This applies to select vehicles, refer to [HRN-GS16K22-A Ethernet Bypass](#) for the applicable vehicle list.



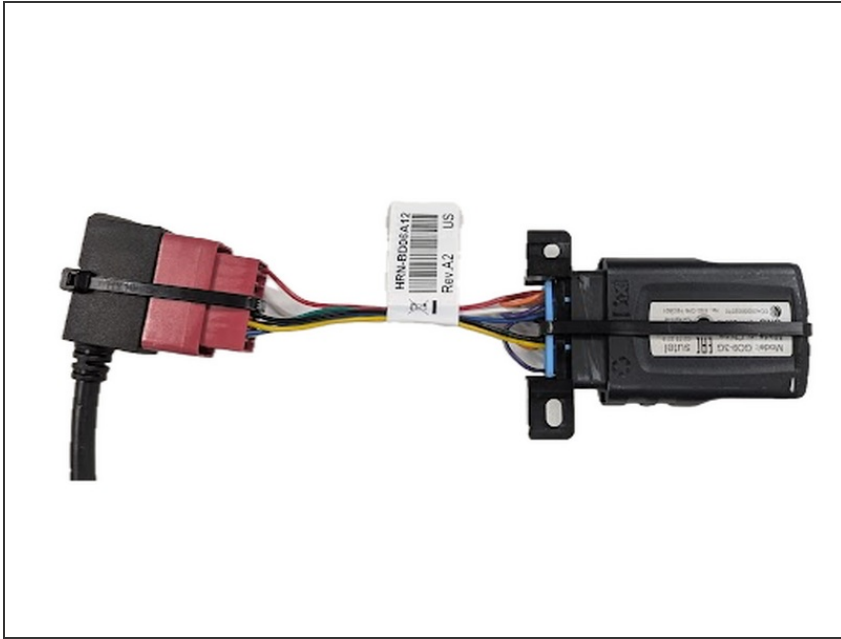
- Attach the male end of the T-harness to the factory diagnostic port.
- Secure the connection with a cable tie.

⚠ Trim any excess cable tie



- Install the prepared T-harness connector and mount it into the factory diagnostic port location.
- ⚠ ***Ensure cable does not interfere with any moving parts***
- ☑ ***Secure excess harness as needed with cable ties***

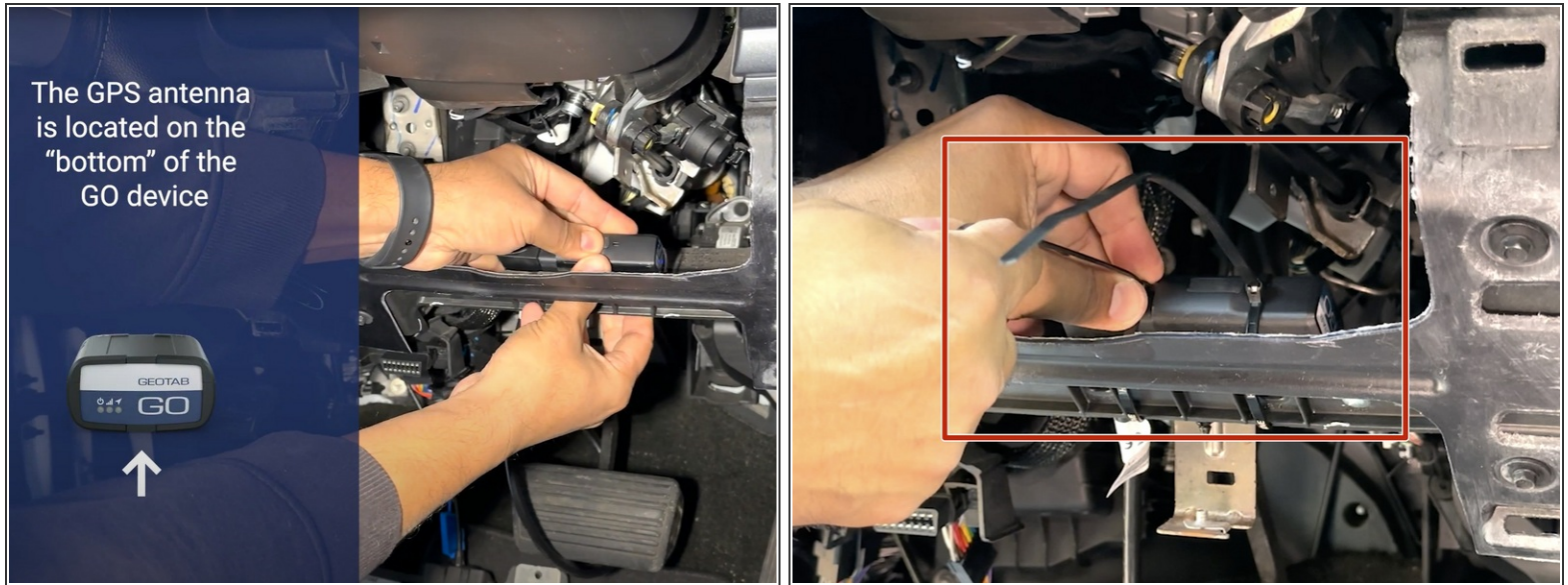
— HRN-BD06A12 - 16-pin Adapter



- ① The HRN-BD06A12 - 16-pin adapter is required for enhanced engine data support on select Peugeot, Citroen, Opel, and Vauxhall vehicles.
- The HRN-BD06A12 adapter is installed between the HRN-GS16K22 harness and the GO device.
- Secure the HRN-BD06A12 adapter to the HRN-GS16K22 harness with a cable tie.
- Secure the device to the harness with the included cable tie.
- ⚠ Trim any excess cable tie
- ① Every device includes a black serialized cable tie which should be used in this step.



- **Start Vehicle.**
- ☑ Verify LED pattern.
- ☑ The device emits 2 quick beeps every 60 seconds during set-up. Once all three LEDs turn solid you will hear 10 quick beeps.



- Route device to mounting location as needed.
- ☑ **Ensure cable does not interfere with any moving parts.**
- ☑ **Secure excess harness as needed with cable ties.**
- Secure device using 2 cable ties.
- ⚠ **To ensure good data quality, the device must be firmly secured with no free movement!**



⚠ 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!

ⓘ Lines of sight through plastics, glass, and composites are generally acceptable.



● Reattach any dash panels that were removed.

☑ Ensure all trash and packaging is removed from the vehicle.

- ⚠ **WARNING!** All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, including gas, brake and clutch pedals. To ensure all devices and cabling remain securely attached, inspect devices and cabling on a regular basis.
- ⚠ Loose cabling or devices may impede the use of vehicle controls, resulting in unanticipated acceleration, braking, or other loss of vehicle control, which could lead to death or serious personal injury. Upon sudden acceleration or deceleration, improperly fastened, in-vehicle devices may detach and impact operators, which may cause injury.

— 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.

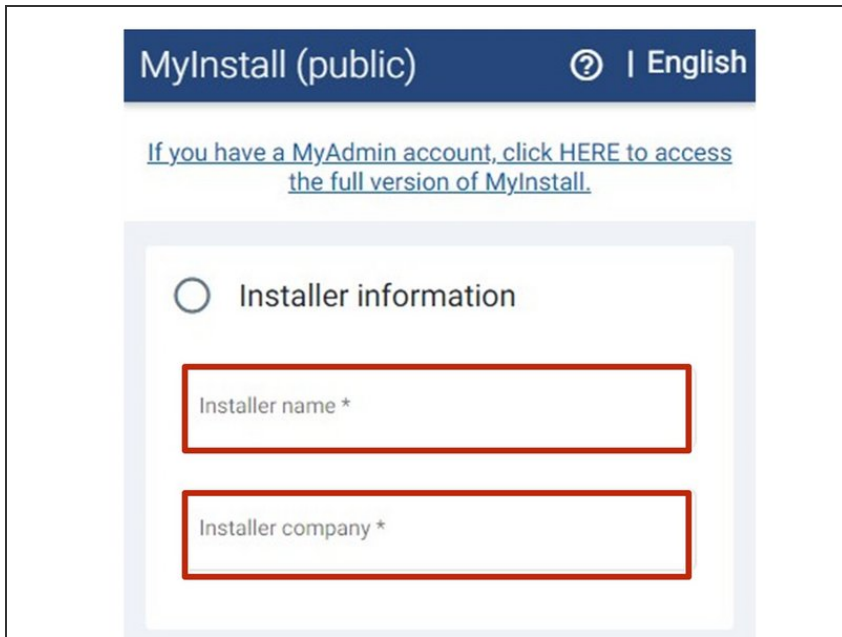
— MyInstall (Public)

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.*



The screenshot shows the 'MyInstall (public)' web interface. At the top, there is a dark blue header with the text 'MyInstall (public)' and a help icon followed by 'English'. Below the header, a link states: 'If you have a MyAdmin account, click HERE to access the full version of MyInstall.' The main content area is titled 'Installer information' with a radio button. Below this title are two input fields, each with a red border: 'Installer name *' and 'Installer company *'.

- Enter the installer information.

MyInstall (public) ⓘ | English

[If you have a MyAdmin account, click HERE to access the full version of MyInstall.](#)

✓

Installer information

Installer name here, Installer company name here

☐

Device serial number

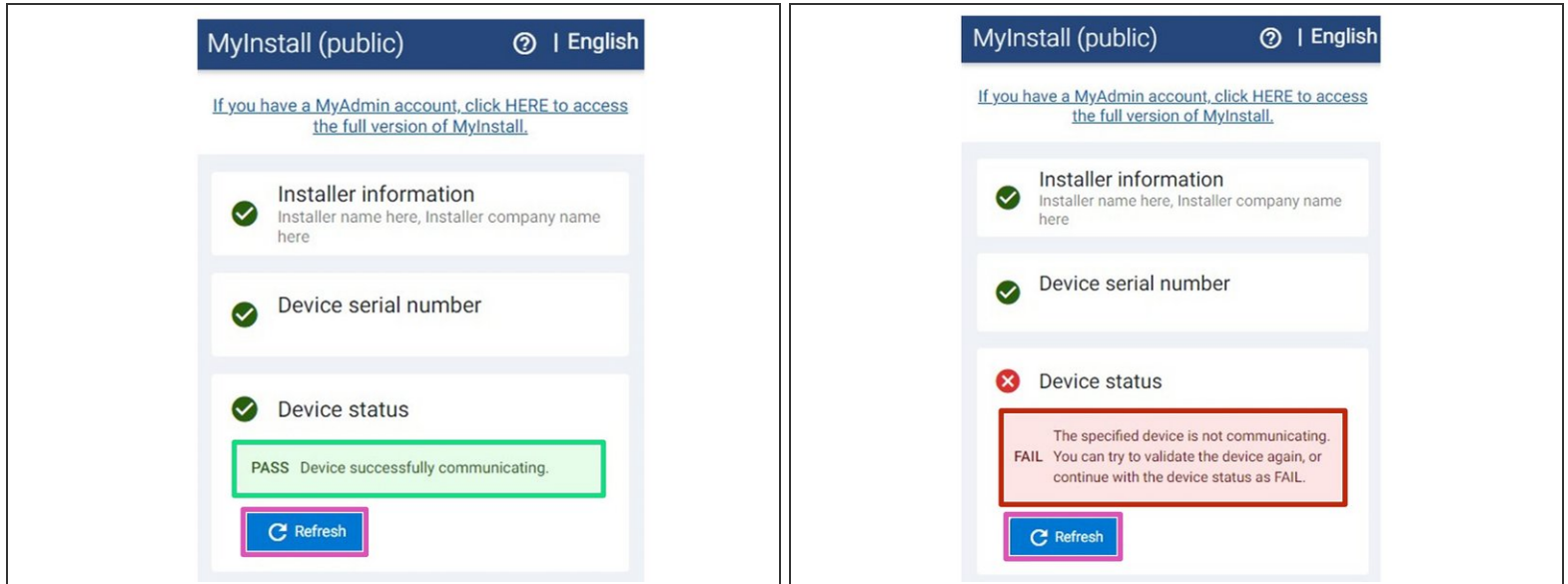
Enter installed device serial number *



[Click here if you removed an old device](#)

Validate

- Enter the device serial number.
- ⓘ If possible, use the barcode scan feature.



- Turn on the vehicle and wait for the device status to **PASS**.
- ① Some Hybrids and EV's may require a short drive
- If the device status shows as **FAILED**, verify the LED status and turn the vehicle engine off and on again.
- Press **Refresh** to check the status again.
- ① Refer to [this link](#) for detailed instructions.

MyInstall (public) | English

Vehicle or Asset Information

Vehicle or asset name

VIN or serial number

Make

Model

Year

License plate

Odometer

km

miles

Engine hours

Camera ID

Work order reference

Installation comments

☐ I have read and agree to Geotab's [Privacy Policy](#)

- Enter all applicable vehicle information.
- ✎ Enter applicable Camera information in the Camera ID field if one was installed.
- Read and acknowledge Geotab's Privacy policy.

MyInstall (public) | English

If you have a MyAdmin account, click [HERE](#) to access the full version of MyInstall.

✓

Success!

Installation check completed for:

New installation

Exit

The Geotab MyInstall installation verification service verifies only that the device is installed in such a way as to permit communication with Geotab. It does not verify that the device is installed safely or in accordance with Geotab documentation.

[View more details](#)

MyInstall (public) | English

If you have a MyAdmin account, click [HERE](#) to access the full version of MyInstall.

✗

Error

Installation check completed for:

New installation

Exit

The Geotab MyInstall installation verification service verifies only that the device is installed in such a way as to permit communication with Geotab. It does not verify that the device is installed safely or in accordance with Geotab documentation.

[View more details](#)

- If the installation check finishes without errors, a **Success!** message appears.
- Press **New installation** to check another installation, or press **Exit** when done.
- If the installation check encounters any errors, an **Error** message appears.
- Select **New installation** to check another installation or press **Exit** when done.

— Important Safety Information and Limitations of Use

- ① For the latest version of the Limitations of Use, please visit: <http://goo.gl/k6Fp0w>
- ⚠ **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 Do not attempt to remove the devices from the vehicle in which they are originally installed for installation in another vehicle.
 - Not all vehicles share compatibility, and doing so may result in unexpected interactions with your vehicle, including sudden loss of power or shutdown of the vehicle's engine while in operation or cause your vehicle to operate poorly or erratically and cause serious injury and/or vehicle damage.
- 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](#)