

GEOTAB[®]

2017+ International HV Series

Installation guide for 2017+ International HV Series trucks.

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 TOOLS:

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

 PARTS:

- GO9 (1)
- HRN-GS09K2 - Universal Heavy Duty Harness Kit (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 to use many cable ties to secure both the device and harness to the vehicle. An unsecure device installation can result in poor electric and/or data connections that can lead to short circuits and fires or cause malfunctions of vehicle controls that can result in serious personal injury or significant damage to your 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 can be inadvertently kicked or bumped during vehicle operation. The device isn't fully secured and so 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 i.e. removing of panels, or the OBD connector has been deformed/damaged or there is any 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.
-
- ⚠ 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 accidents, leading to death or serious personal injury.



❗ Before installing, you should record the following:

- GO device serial number

❗ Found above barcode on device label

- ☑ Odometer
- ☑ Fleet Alias/Number/ID
- ☑ VIN (vehicle identification number)

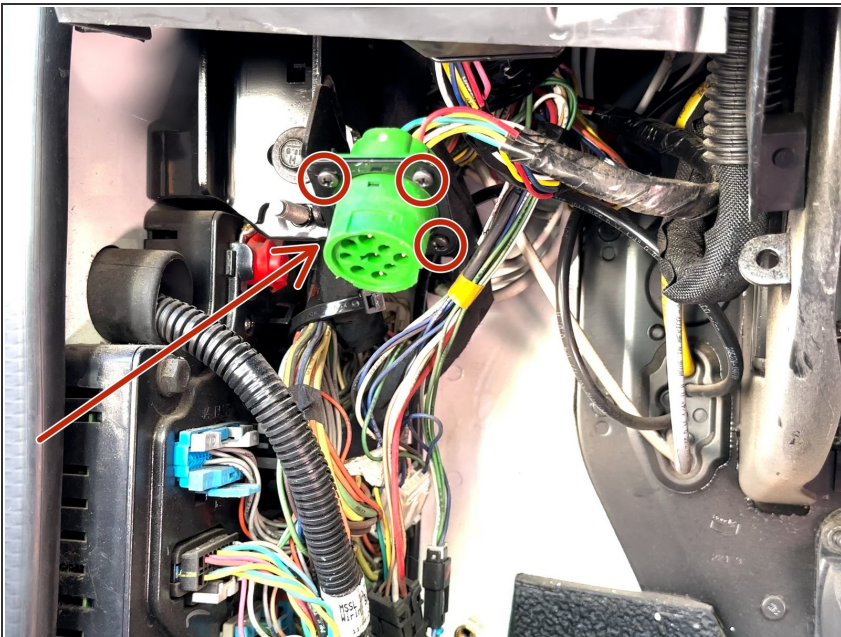
— 2017+ International HV Series



- Remove **(3)** T-20 screws from the kick panel area.
- Remove **(1)** 13mm fastener from the kick panel area.
- ❗ Remove the kick panel.

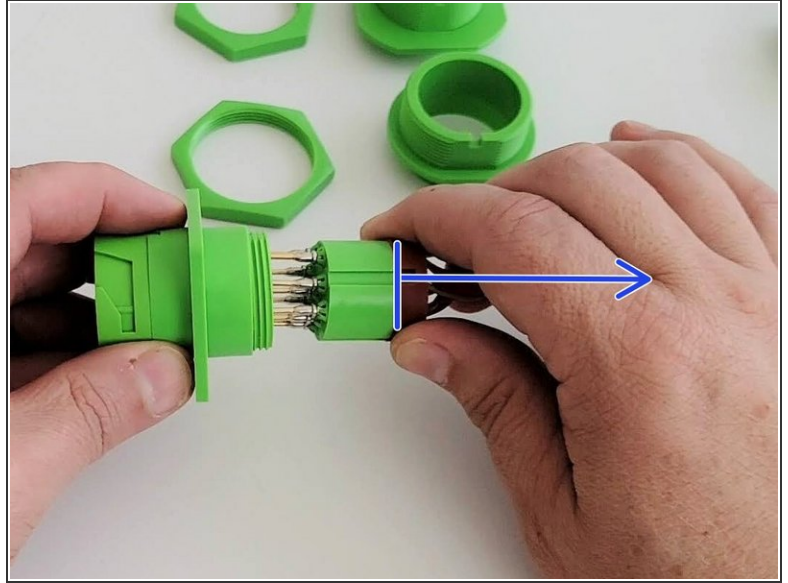
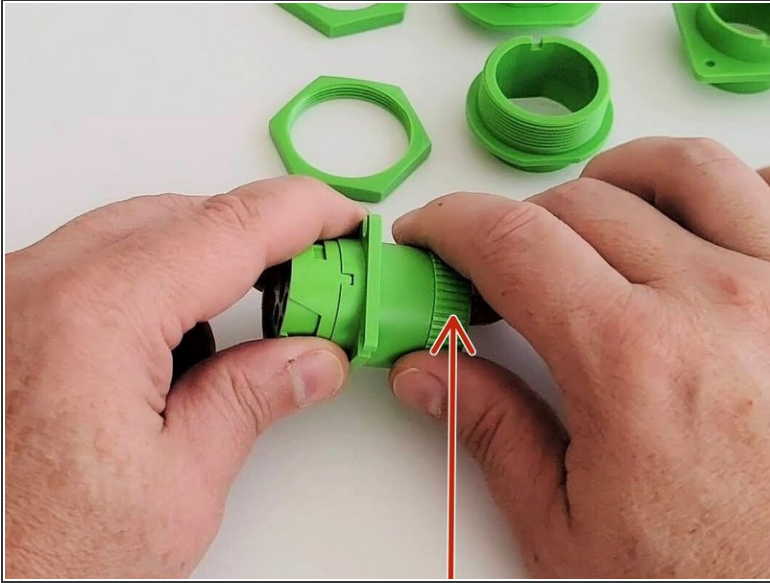


- Remove **(4)** T-20 screws from the knee bolster / under dash panel.
- ① Remove the knee bolster / under dash panel.



- Locate & remove the 9 pin heavy duty diagnostic connector from its OEM location.

— HRN GS09K2 - Connector Assembly

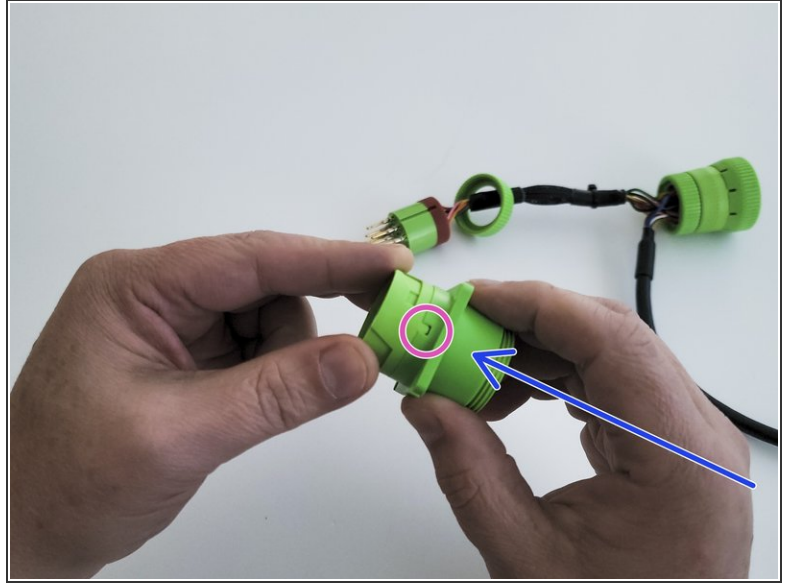
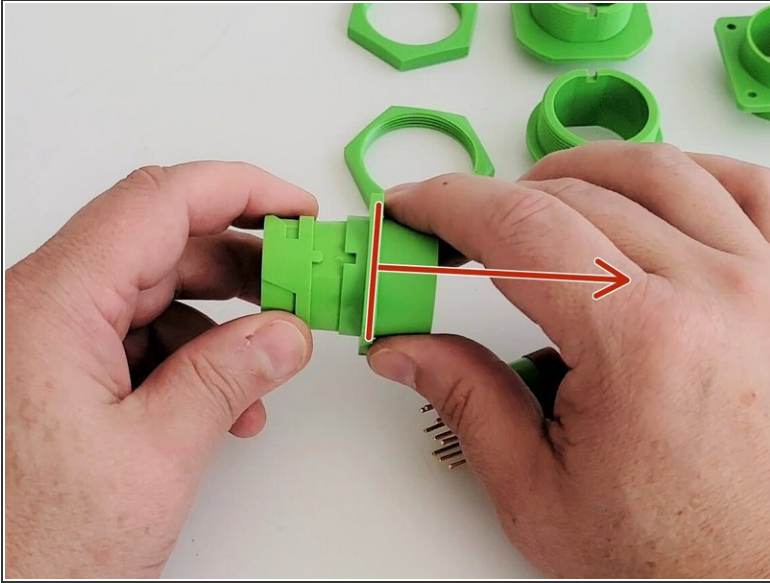


✱ [Video example for this step](#)

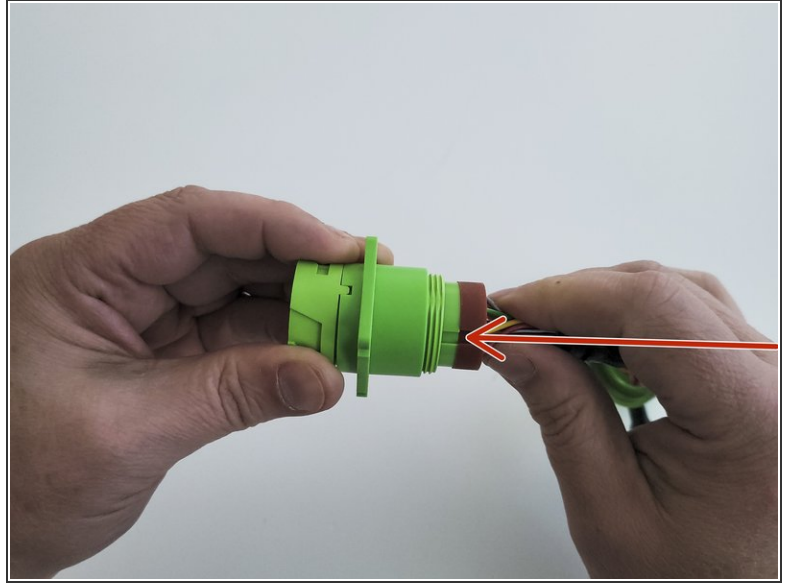
① Use the steps below to replace the default adapter with [adapter #2](#).

✱ *There are no special tools needed to change the adapter.*

- Remove the screw cap at the back of the connector and slide it slightly away from the connector.
- Pull the connector housing and adapter assembly away from the connector cartridge and harness.

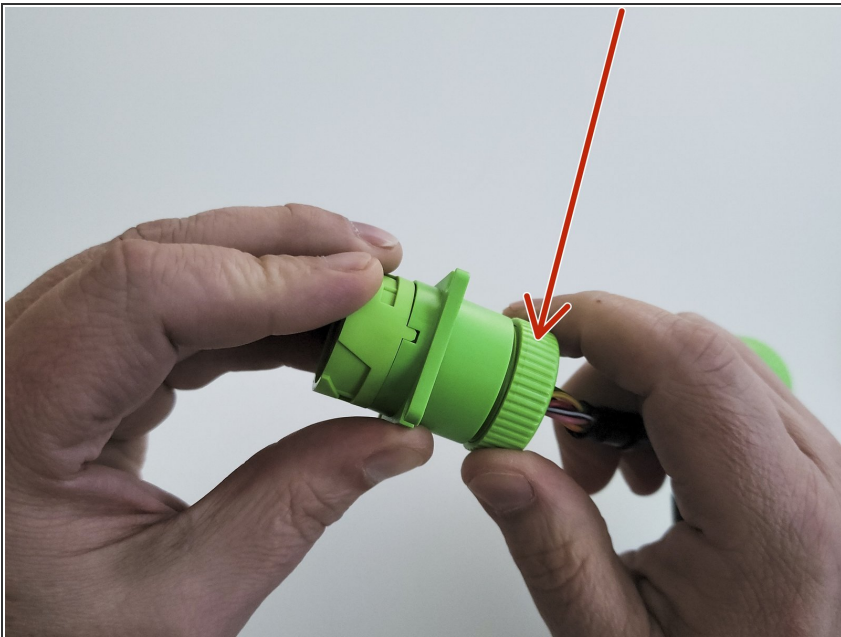


- Remove the adapter from the connector housing by sliding it back.
- Slide adapter **#2** onto the connector housing.
 - Ensure this key/keyway is aligned.
- ① Ensure parts are seated completely without gaps.



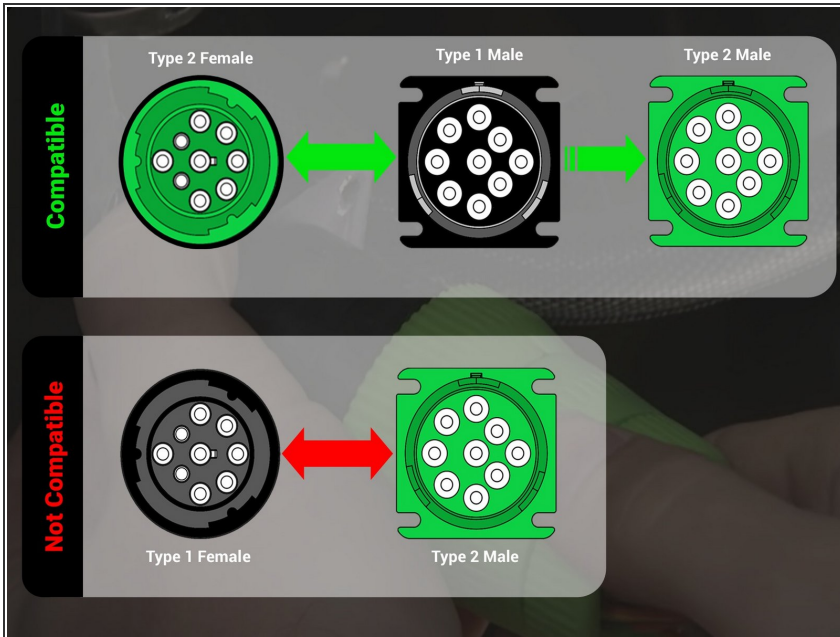
 [Video example for remaining steps](#)

- Align the keys & keyways and slide the connector cartridge into the connector housing.



- ① Once the cartridge is inserted into the connector housing, it should appear flush with the housing.
- Screw the cap on at the back of the connector housing.
- ① Ensure the connection is tight and that there is no gap between the adapter and the screw cap.

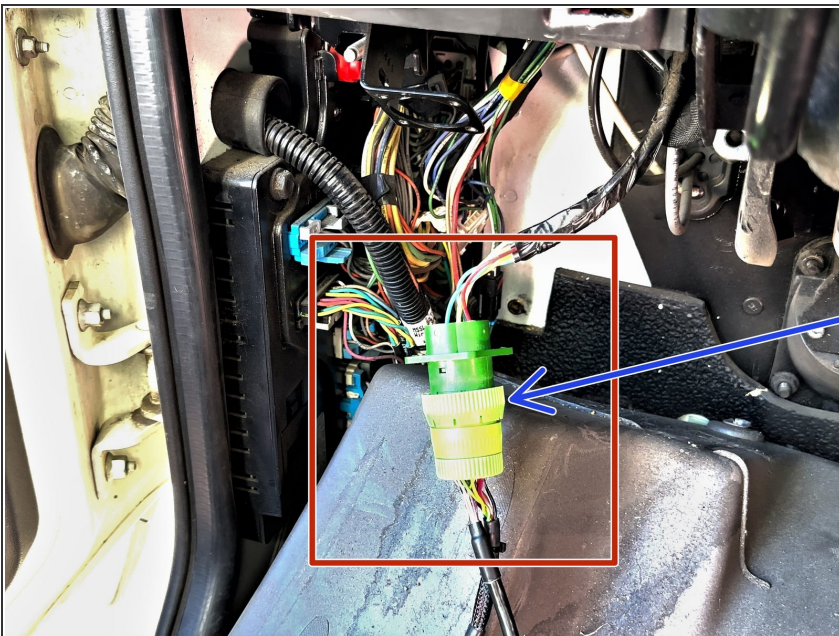
— Type 1 & Type 2 Compatibility



❗ As seen in this compatibility graphic, the **HRN-DM09T2** harness is backward compatible with Type 1 (black 9 pin) equipped vehicles as well as newer Type 2 (green).

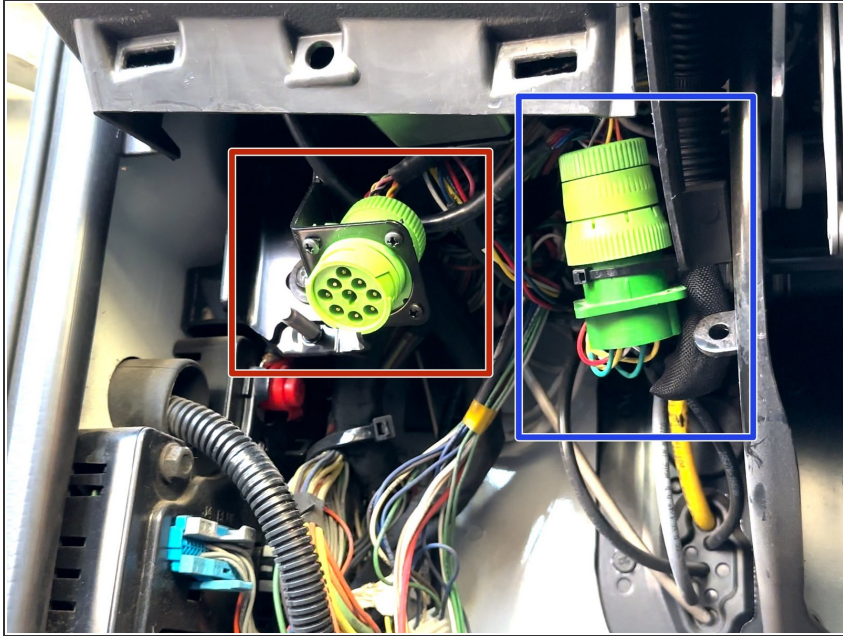
⚠ **Older Type 1 (black) diagnostic harnesses should "not" be reused with Type 2 (green) vehicles as they are not compatible.**

— HRN GS09K2 - Installation



- Connect the OEM 9 pin diagnostic connector into the **HRN-DM09T2** harness.
- Twist the locking collar to secure connection.
- ☑ *It is recommended to secure this connection using electrical tape if the collar does not lock adequately.*

⚠ **Ensure cable does not interfere with any moving parts.**



- Reinstall the **HRN-DM09T2** male harness connector assembly into the same location where the OEM 9 pin was removed.
- ⚠ **Ensure cable does not interfere with any moving parts!**
- Secure as up and out of view as possible using cable ties.
- ⚠ **Secure harness as needed with cable ties!**



- Remove brake control knobs.
- Using a panel removal tool, remove the center dash trim panel.



- Using a panel removal tool, remove the trim panel around the instrument panel.



- Remove **(4)** T-20 screws from the instrument panel.
- ⓘ Move the instrument panel as needed for ease of access.
- Route the harness to this area.
- ⚠ ***Ensure cable does not interfere with any moving parts & secure harness as needed with cable ties.***

— GO Device Installation



- Plug the GO device into remaining end of the harness.
- Secure the device to the harness with included cable tie.
- ⚠ ***Trim excess cable tie flush.***
- ⓘ Every device has a black serialized cable tie included & should be used in this step.

- ⚠ ***To ensure reporting quality the device must be secured with no free movement!***
- ⚠ ***Device must not be secured with bottom side facing in direct contact of metal!***

— Secure Device Example



- Secure device using **2** cable ties.
- ① This structure above the vent is an acceptable location to secure the device and has little to no free movement.
- ☑ *In this example the bottom of the device (blue side of the GO device label) faces towards the windshield when secured in this location.*

— Attention

- ① If installing an **IOX** accessory please continue using the correct guide from [here](#).



⚠ **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**.

— Verify Installation

- ⚠ All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, airbags, including 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.

MyInstall (public) ? | English

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

☐ Installer information

Installer name *

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

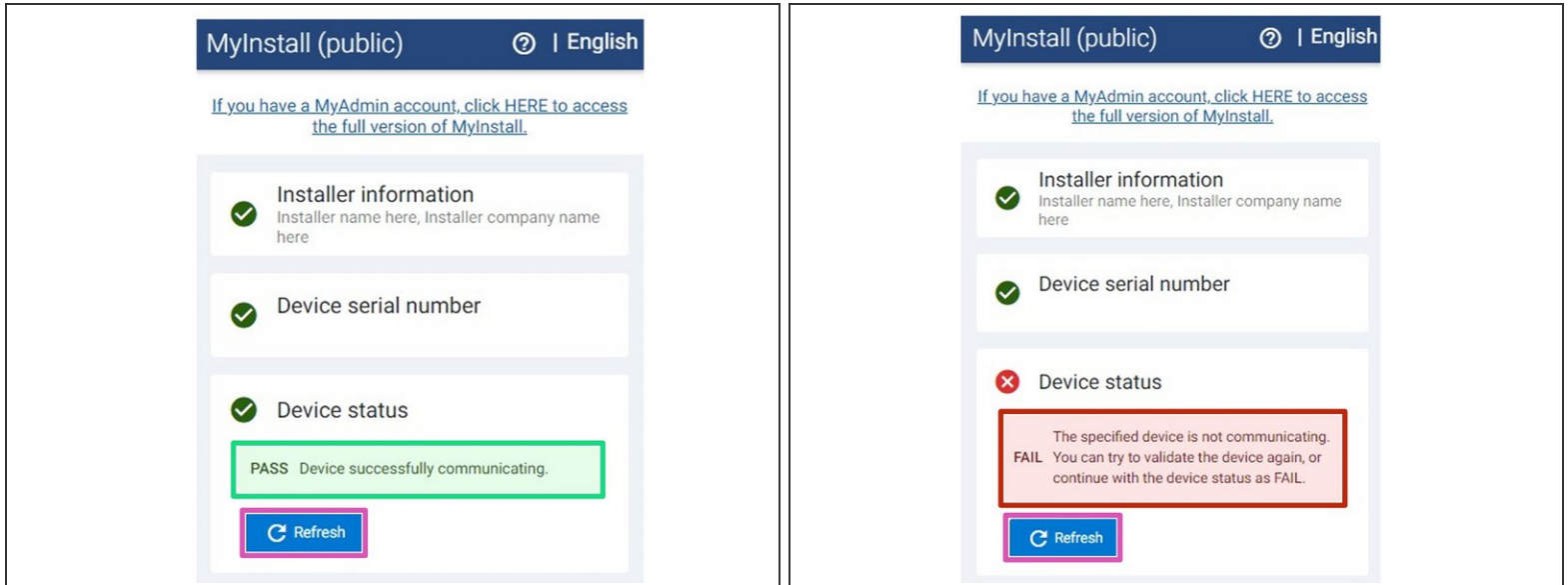
Enter installed device serial number *



Click here if you removed an old device

Validate

- Enter the device serial number.
- ① 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 information

Vehicle name

License plate

VIN





Make

Model

Year

Odometer

Km

Miles

Engine hours

Work order reference

Installation comments

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

- Enter all applicable vehicle information.
- 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.

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— 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](#)