2019+ Volvo Truck HRN CE10K2

This guide applies to the installation of a Go device into a 2019+ Volvo Truck using a HRN CE10K2 harness.

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TOOLS:

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

PARTS:

- HRN-CE10K2 Harness Kit for Select Volvo & Mack Vehicles (1)
- HRN-CM24Y1 Adapter harness for select custom GO device harnesses (1)
- GO9 (1)

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— 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.

ⓘ 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).

ⓘ For more details on compliance information and applicable products, contact your Authorized Reseller.

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— 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.

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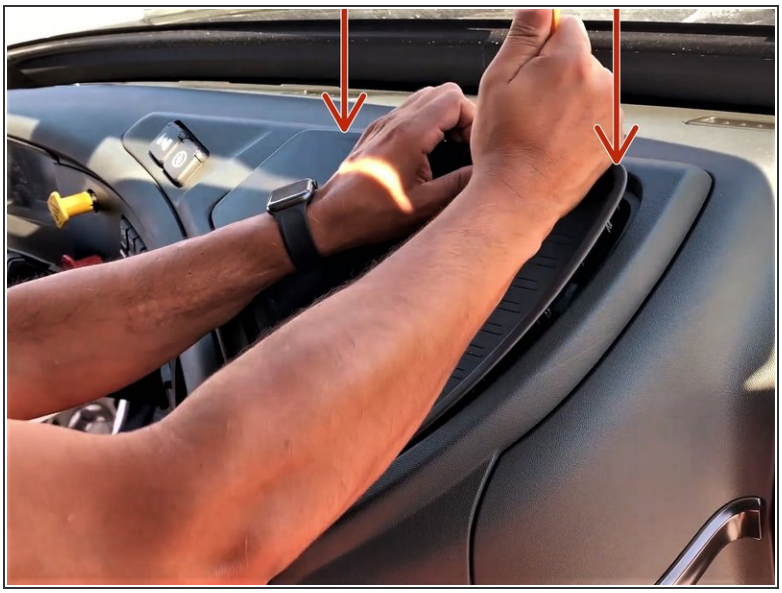


- Before installing, you should record the following:
  - GO device serial number
    - Found above barcode on device label
  - Odometer
  - Fleet Alias/Number/ID
  - VIN (vehicle identification number)

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— 2019+ Volvo Truck

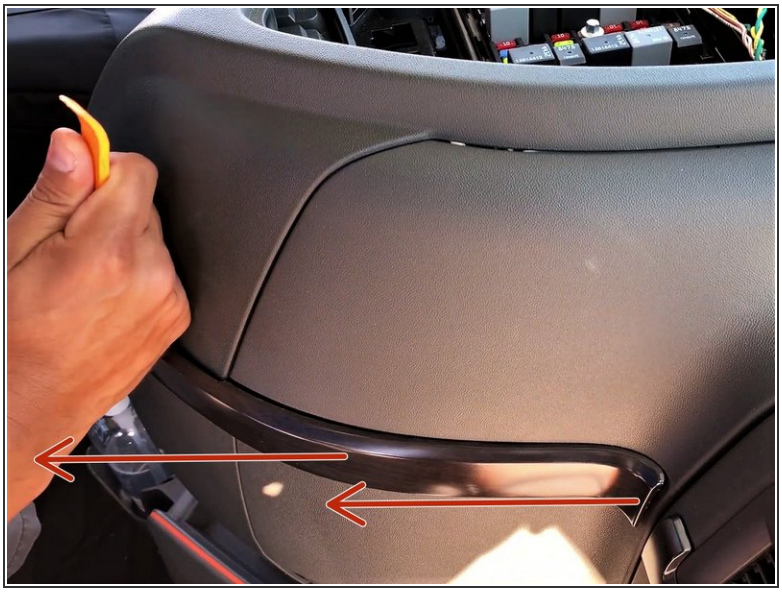


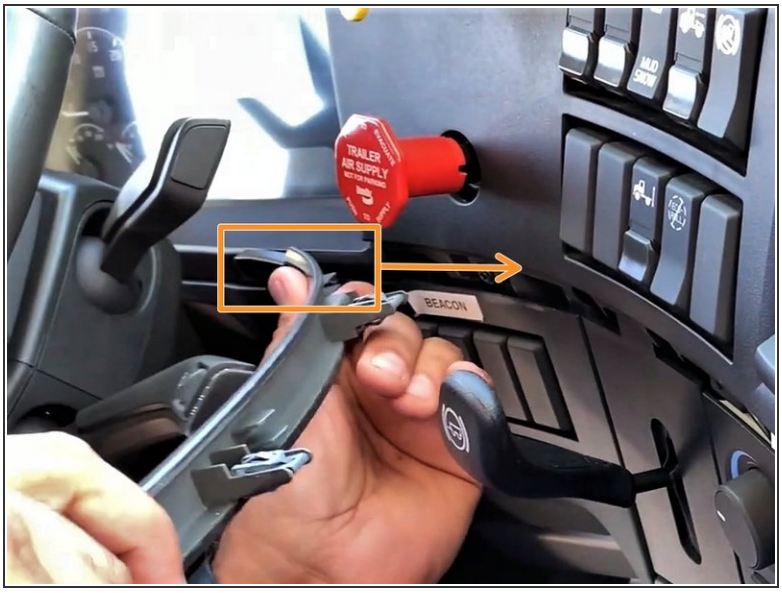


- Remove the fuse box cover.
- To remove carefully pull up from windshield side towards driver’s seat.

A plastic trim tool is recommended for this step.

*When removing this cover, **DO NOT PRY FROM THE FRONT!** This panel has tabs that hook into the dash and will break.*



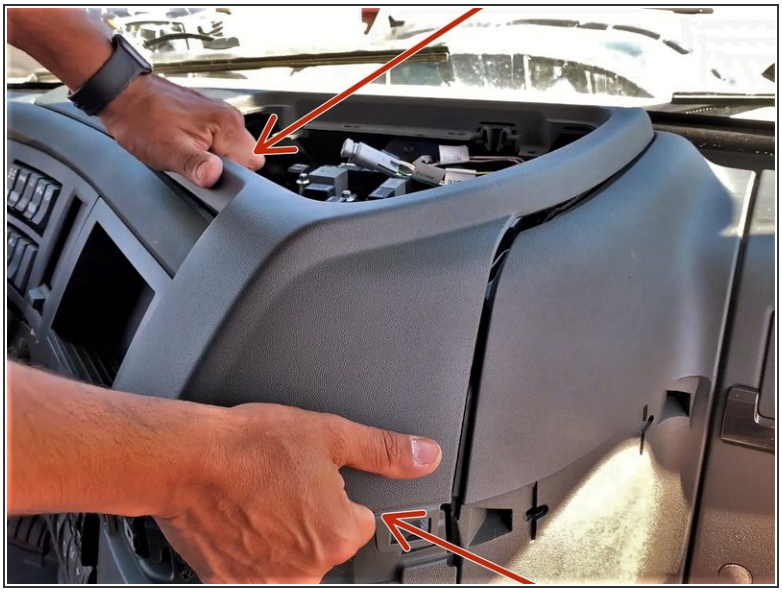


- Remove the trim panel that wraps towards the passenger side.
  - Release this trim panel starting from the left side then pull/pry the trim straight towards you.
- Remove the trim panel that wraps towards the drivers side.
  - Release this trim by prying at the clips straight out.

The end closest to the steering column slides out to the passenger side. ***DO NOT PRY*** *to release, it will break!*



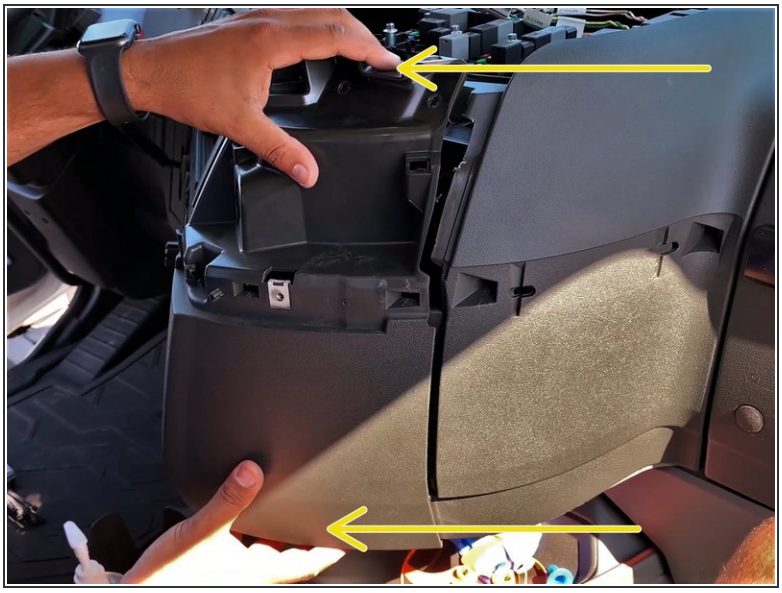
- Remove the **(2) T-20** screws.



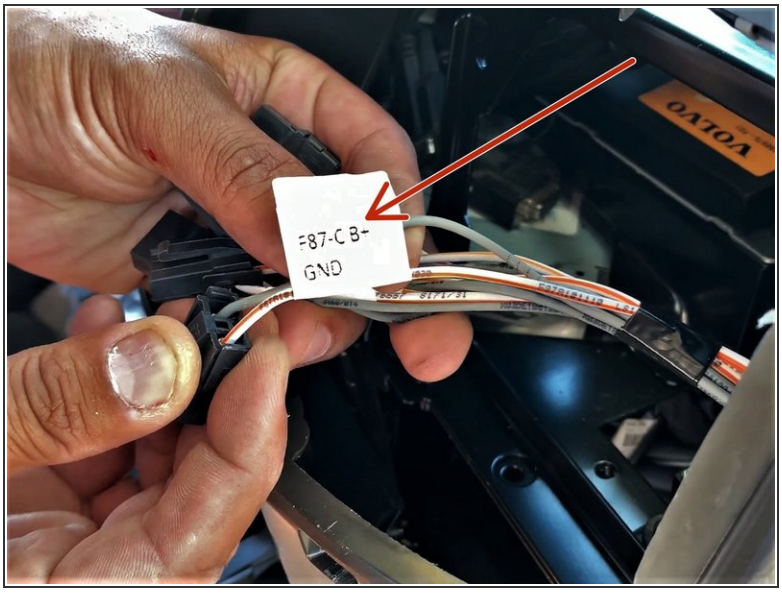


- Pull up on the panel to release.
  - ⓘ Set panel aside.





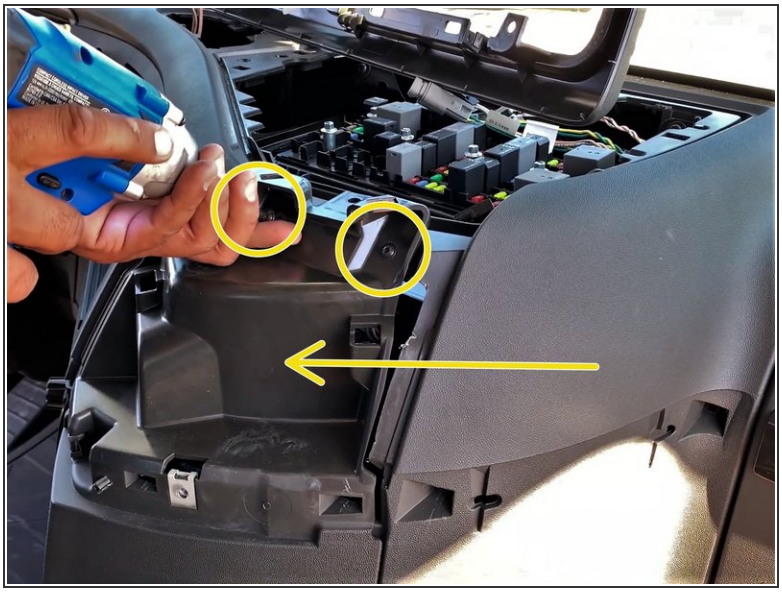
- Remove the **(2) T-20** screws.
- Remove & set aside the panel.

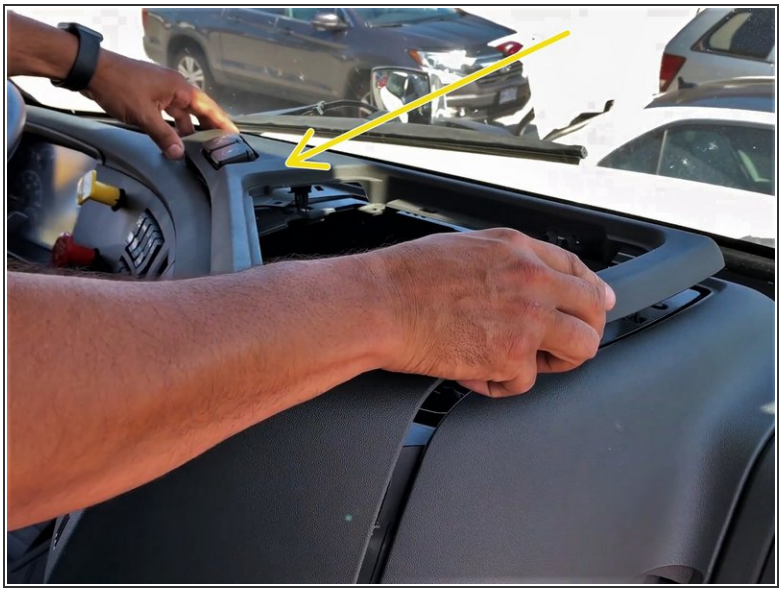




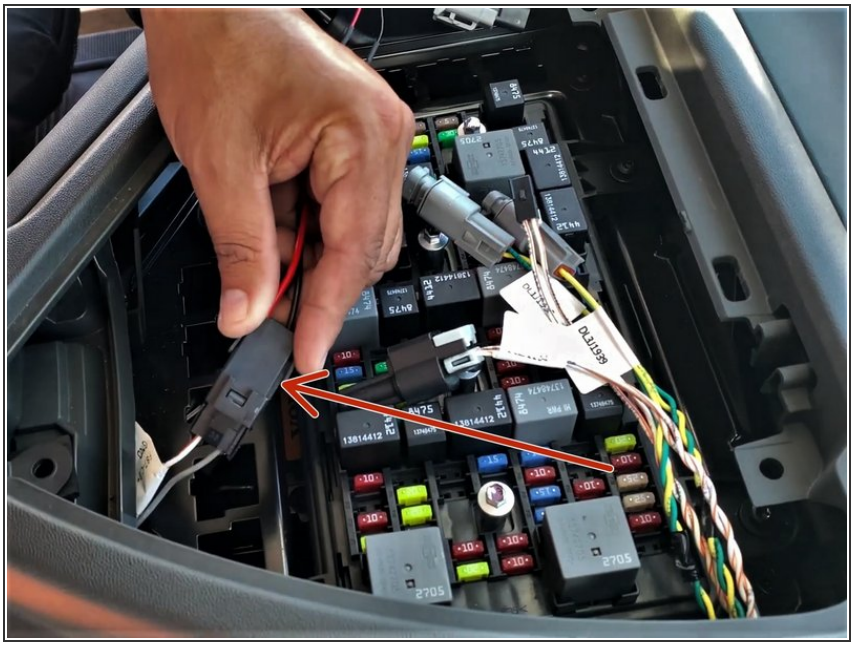
- Locate any spare 2-pin connector labeled *B+* and *GND*.
- Reroute this harness up towards the fuse box area.

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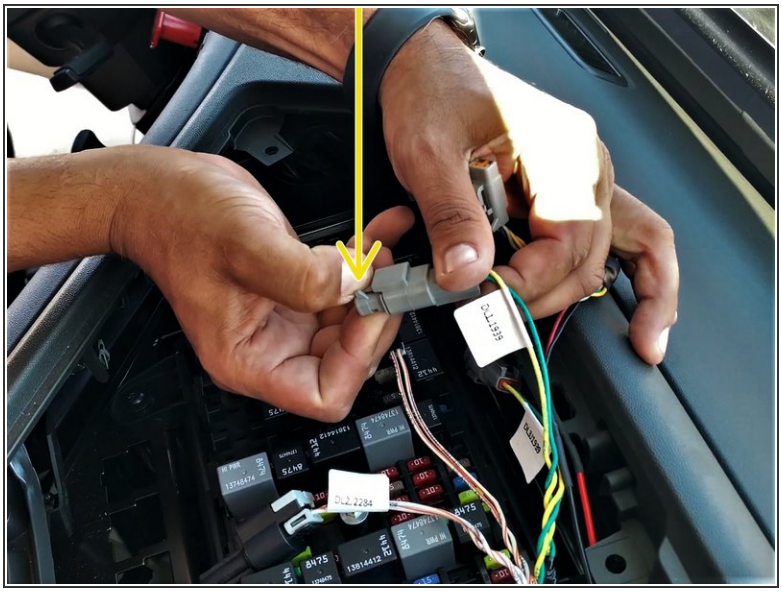
- Reassemble the dash & trim, leaving the top fuse box cover off.



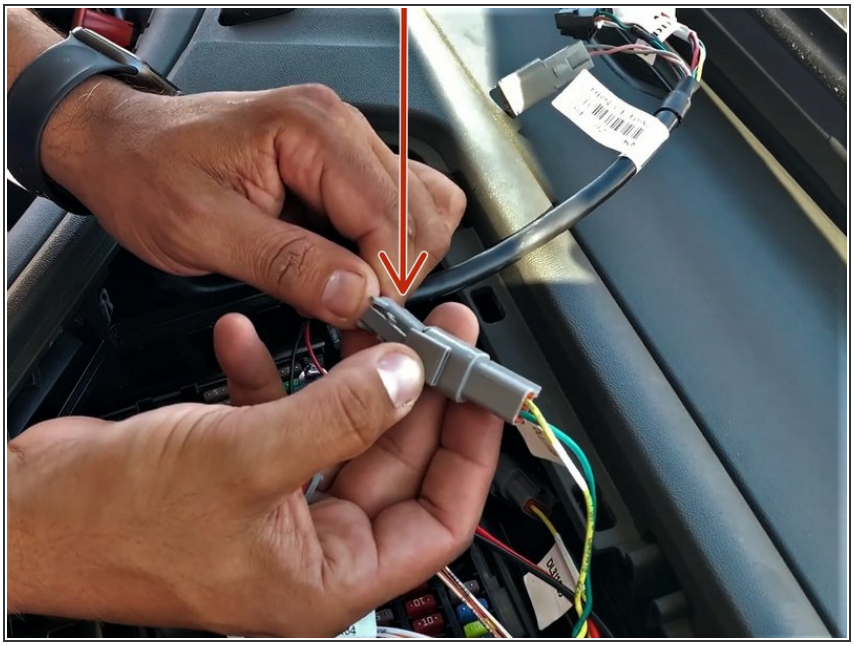
- Connect the provided black 2-pin adapter to the vehicle side 2-pin power connector that was rerouted.
- Connect the black 2-pin adapter to the **HRN-CE10K2**.

ⓘ *The other end of the **HRN-CE10K2** is only used when daisy chaining the power circuit.*

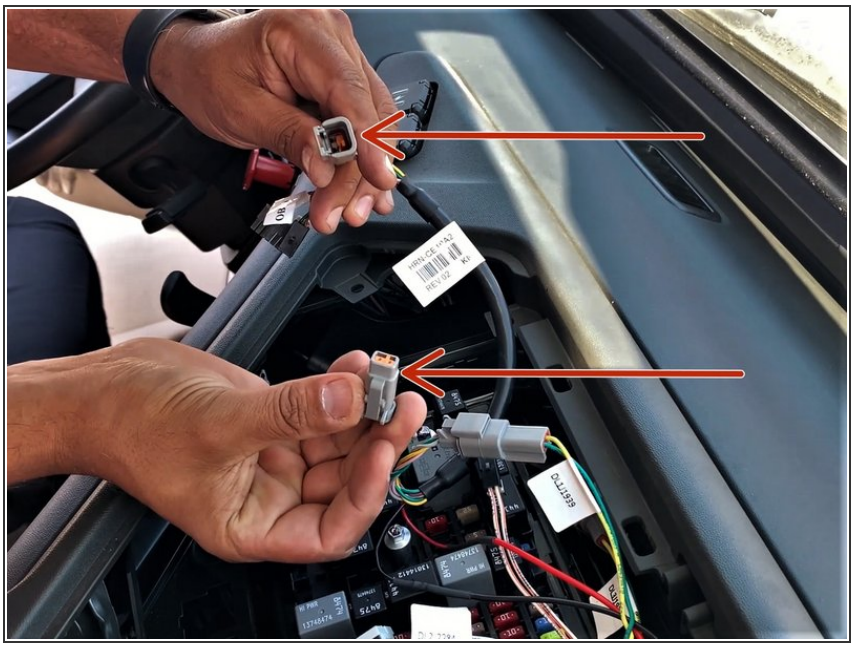




- Locate the terminating resistor labeled as *DL1J1939*.
- Remove the terminating resistor.



- Connect the **HRN-CE10K2** into the mating connector where the terminating resistor was removed.



- Install the terminating resistor into the mating connector from the **HRN-CE10K2**.



- Connect the **HRN-CE10K2** to the **HRN-CM24Y1** custom harness adapter.

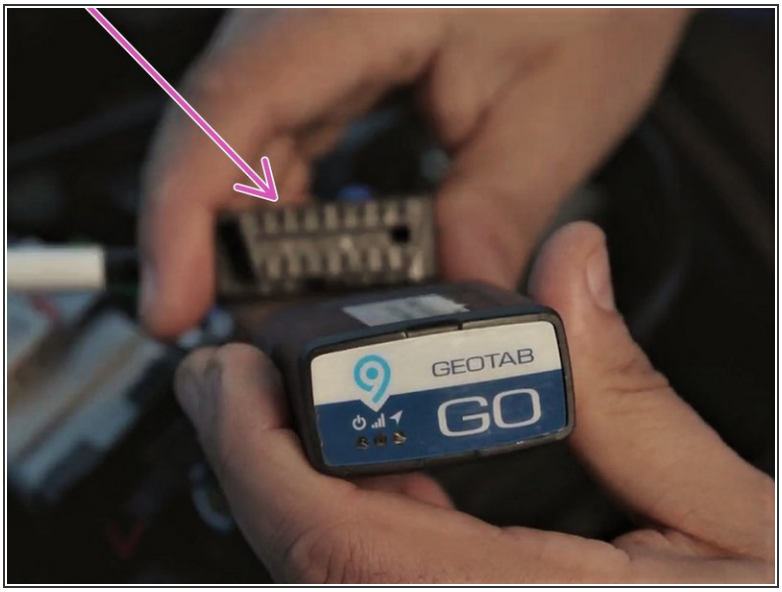
ⓘ *6-pin white connector on both parts. They are both labeled OBDII.*

— Attention

ⓘ If installing an **IOX** accessory please continue using the correct guide from here.

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— Device Installation & LED Verification



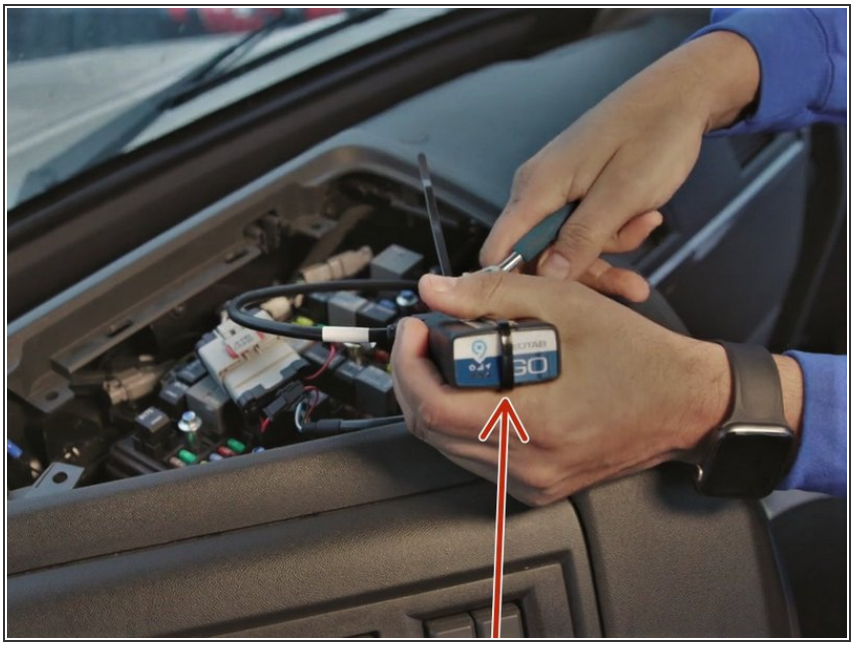


- Plug device into remaining end of the harness.

⚠ ***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.***

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- 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.

— Secure Device



- Route device and harness to mounting location as needed.

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

⚠ ***Secure harness as needed with cable ties.***

- Secure device using 2 cable ties.

⚠ ***To ensure reporting quality the device must be secured with no free movement!***

⚠ ***To ensure reporting quality the bottom of the device must have line of sight to the sky!***

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— 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.

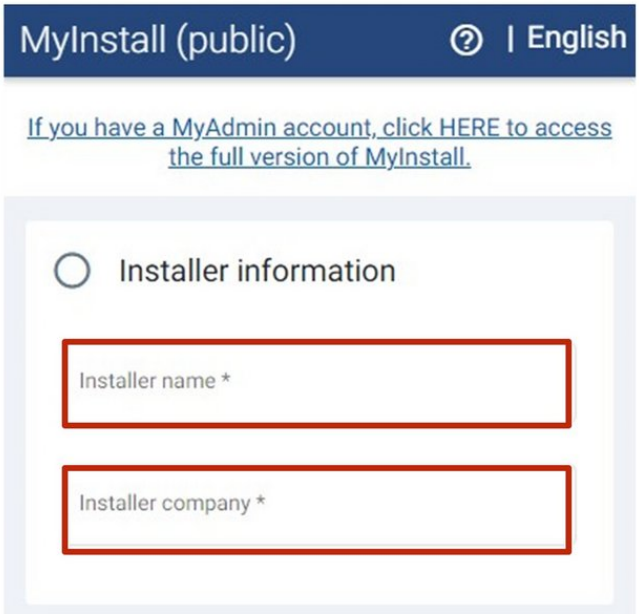
— MyInstall (Public)

ⓘ **Navigate to one of the following:**

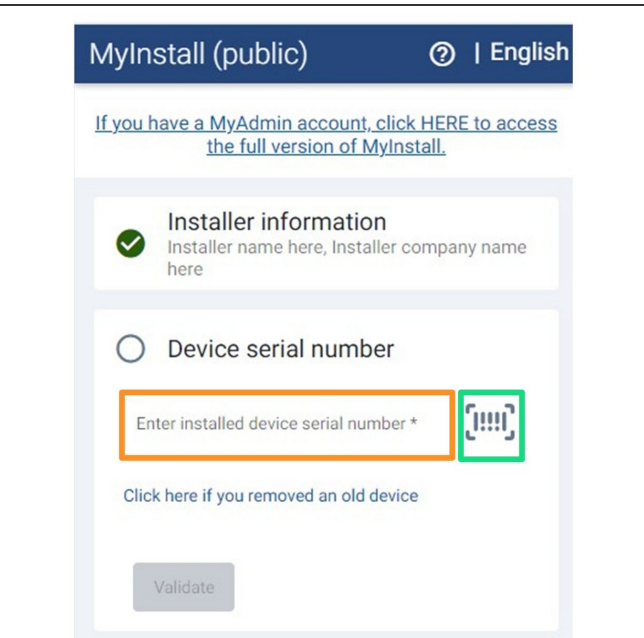
- *MyInstall (Public)*
- *MyInstall (Fed Gov)*

ⓘ **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.*



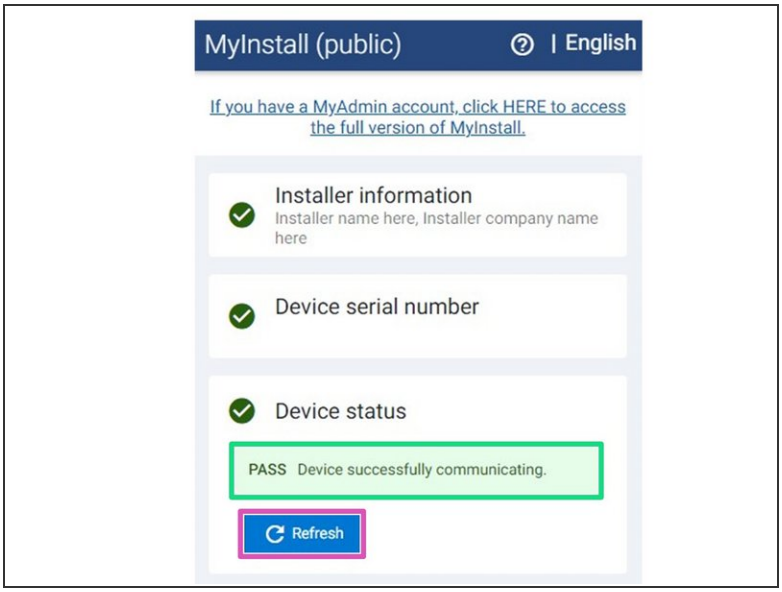
- Enter the installer information.

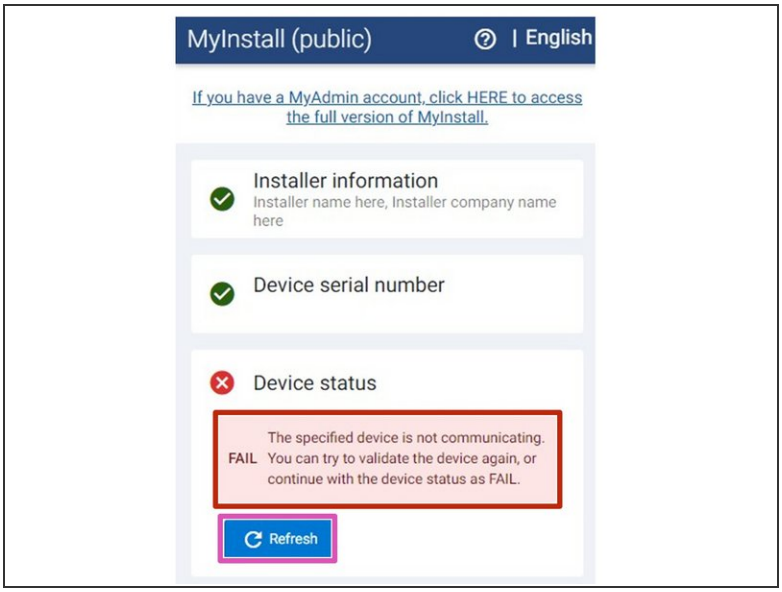


- Enter the device serial number.

ⓘ If possible, use the barcode scan feature.

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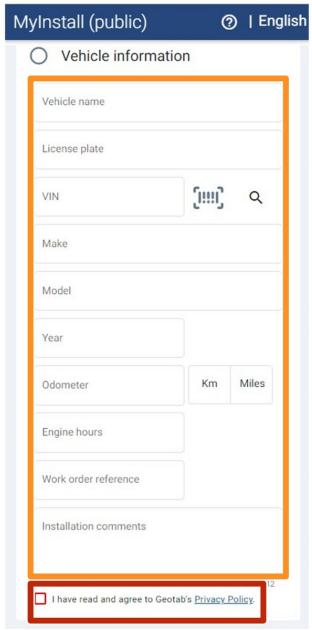
- Turn on the vehicle and wait for the device status to ***PASS***.

ⓘ Some Hybrids and EV's may require a short drive

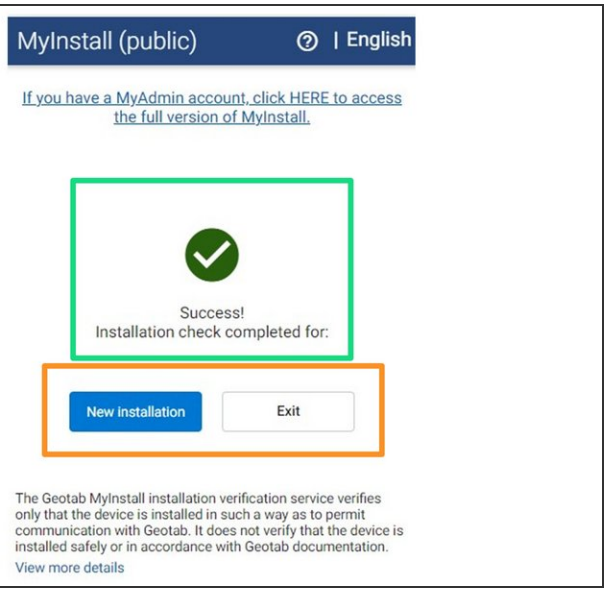
- If the device status shows as ***FAILED***, verify the LED status and turn the vehicle engine off and on again.
- Press ***Refresh*** to check the status again.

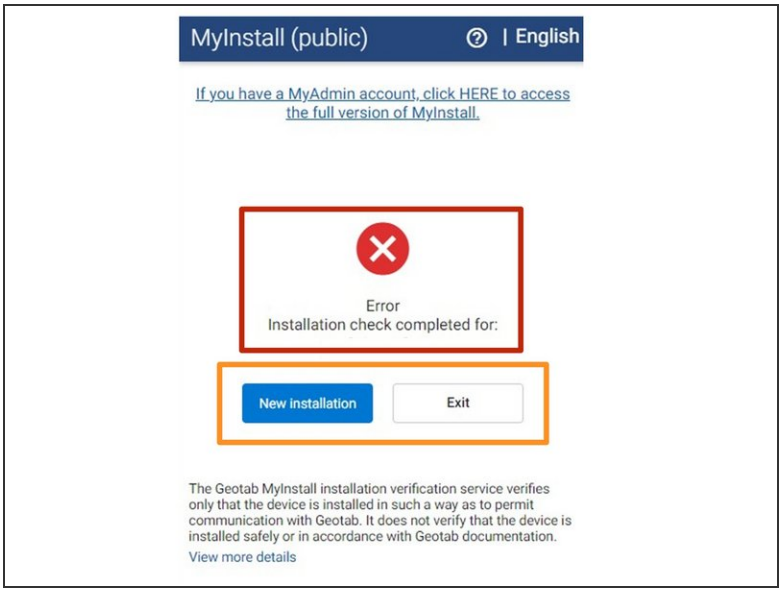
ⓘ Refer to *this link* for detailed instructions.

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- Enter all applicable vehicle information.
- Read and acknowledge Geotab's Privacy policy.





- 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

ⓘ 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.

ⓘ 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.

ⓘ 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.

ⓘ 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

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