



HRN-GS16K2-LD Standard LD 16-Pin T-Harness Kit

This guide will take you step by step through a typical GO device installation using the HRN-GS16K2-LD Standard 16-Pin T-Harness Kit.

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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)
- Panel Removal Tool (1)



HARDWARE & ACCESSORIES:

- GO9 (1)
- HRN-GS16K2-LD (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 GUIDE V2.0](#) & [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

- ⚠ 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.



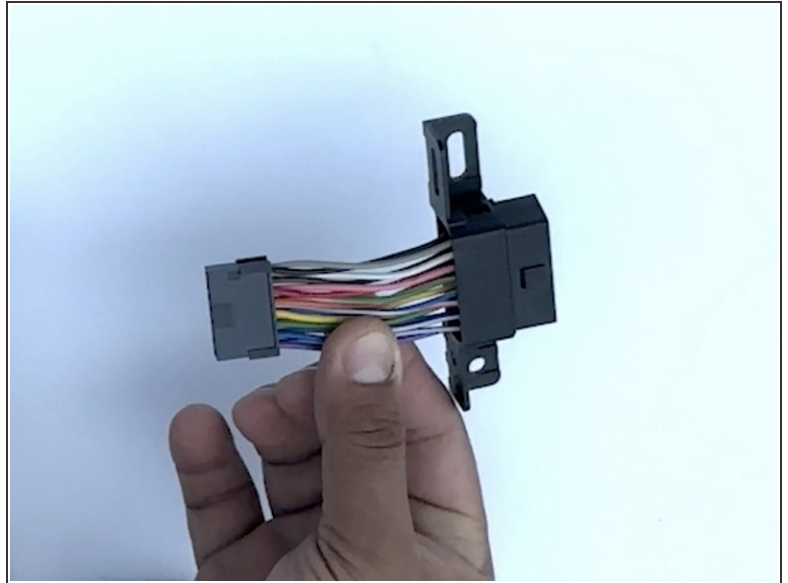
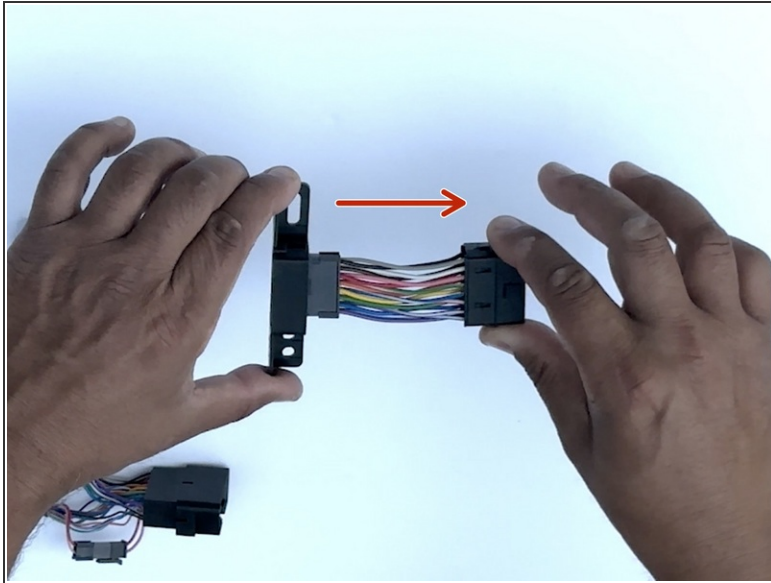
① Before installing, record the following:

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

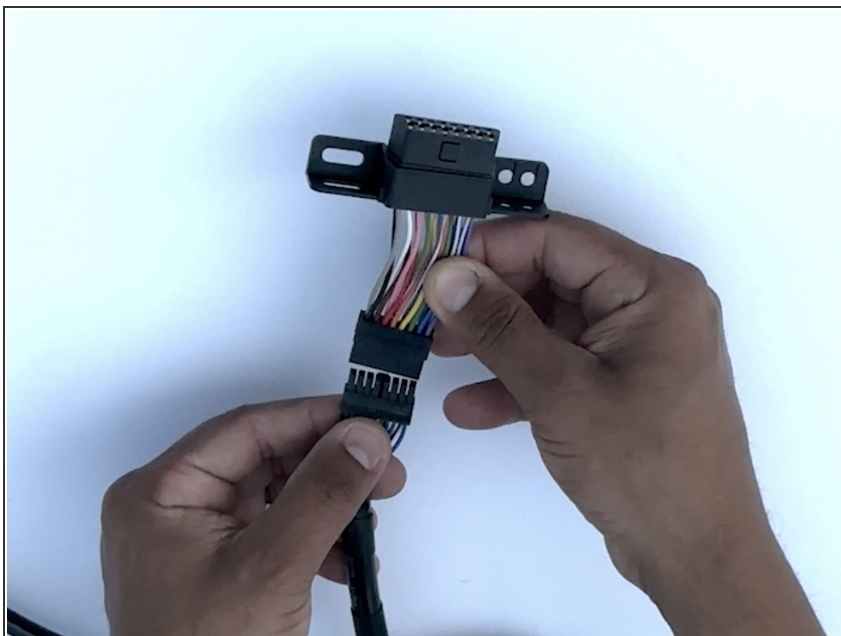
— T-harness Installation



- 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.

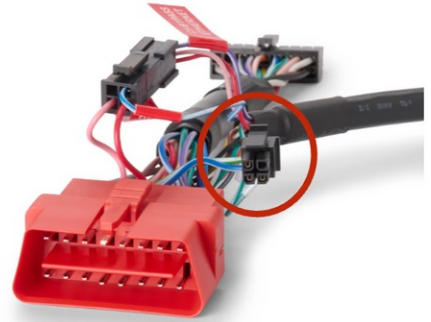
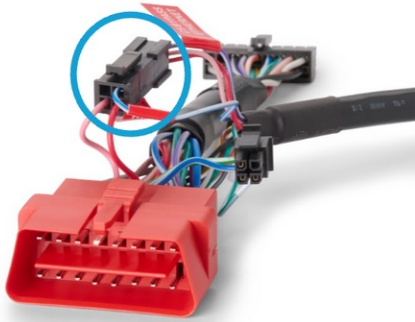


- ✦ Choose the correct adapter for your installation.
- Slide the adapter over the short harness and onto the connector housing.
- Ensure the adapter locks into the locking tabs.
- ① *If the adapter is not locking into place, the adapter is likely installed backwards.*

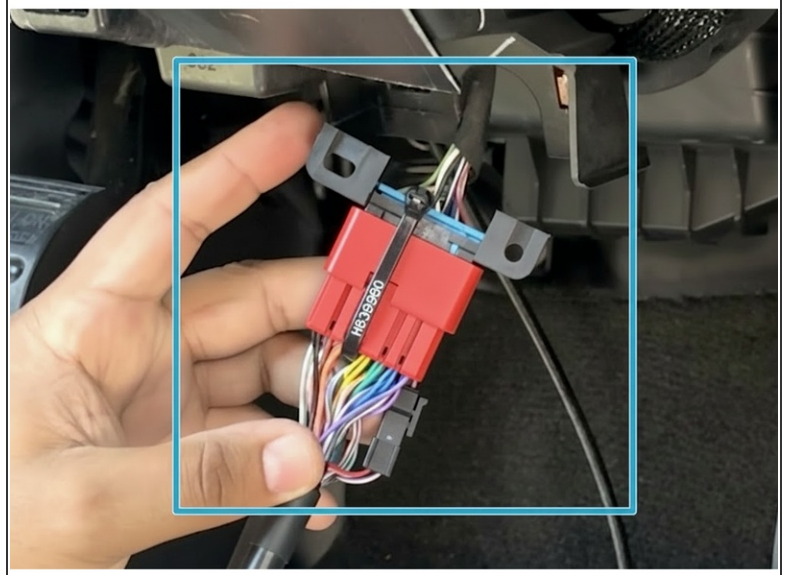
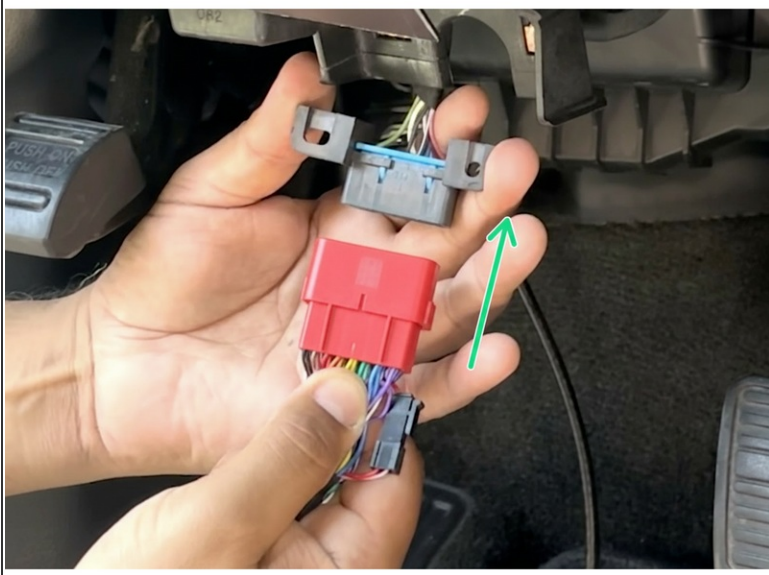


- Connect the Molex connector to the T-harness.

— Harness Configuration

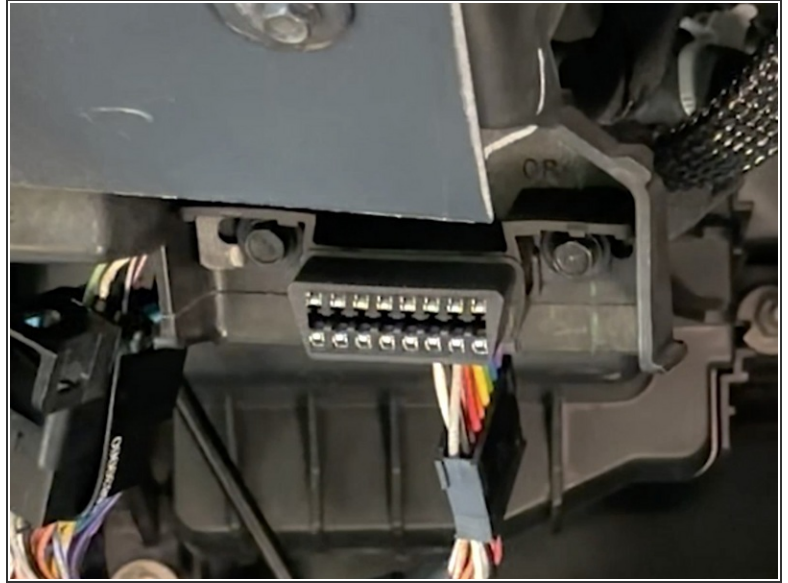
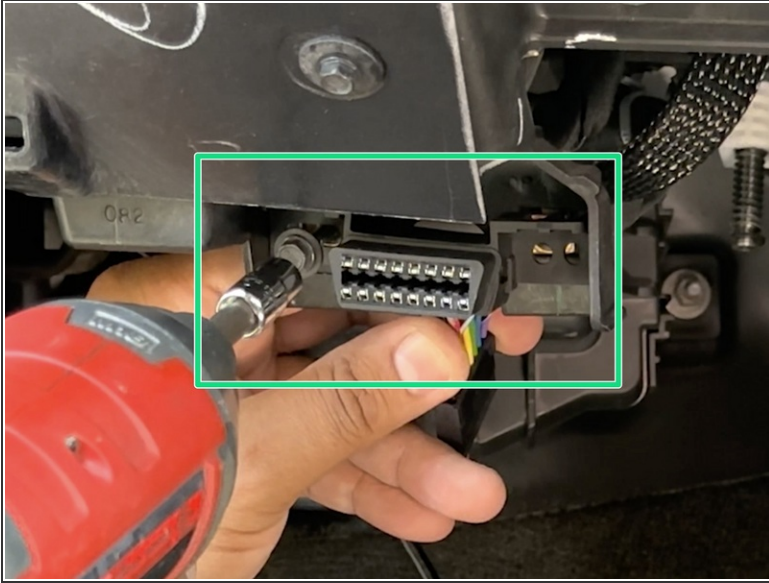


- **! IMPORTANT:** For Ethernet bypass (pins 3 & 11), disconnect the 4-pin Molex connector labeled C3 & C5 Bypass Ethernet. This applies to select vehicles, refer to [this link](#) for the applicable vehicle list.
- If you are installing into a Ford or Stellantis vehicle, disconnect the C3 and C5 Bypass Ethernet connectors, and plug C5 and C6 together.



- 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***

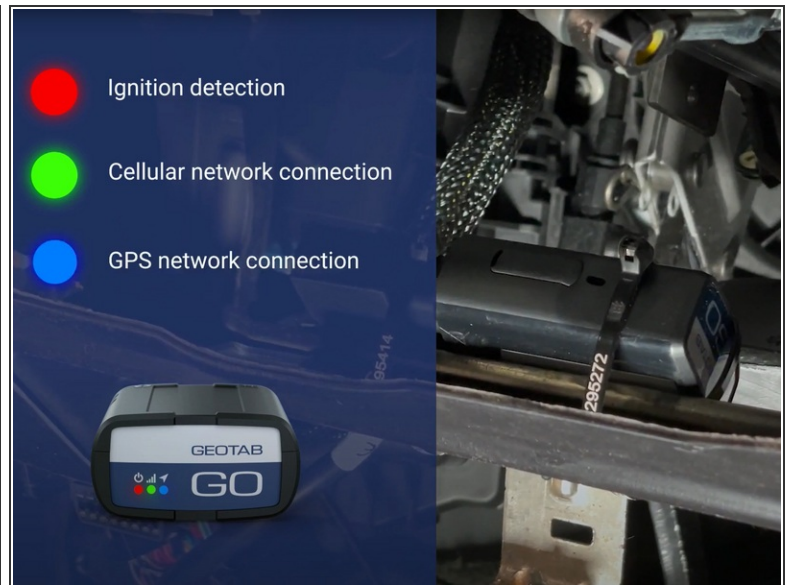
☑ ***Secure excess harness as needed with cable ties***

— Install GO Device and Verify LED

- ① If installing an **IOX** accessory please use the correct guide from [here](#) before performing the steps below.



- Plug in the GO Device.

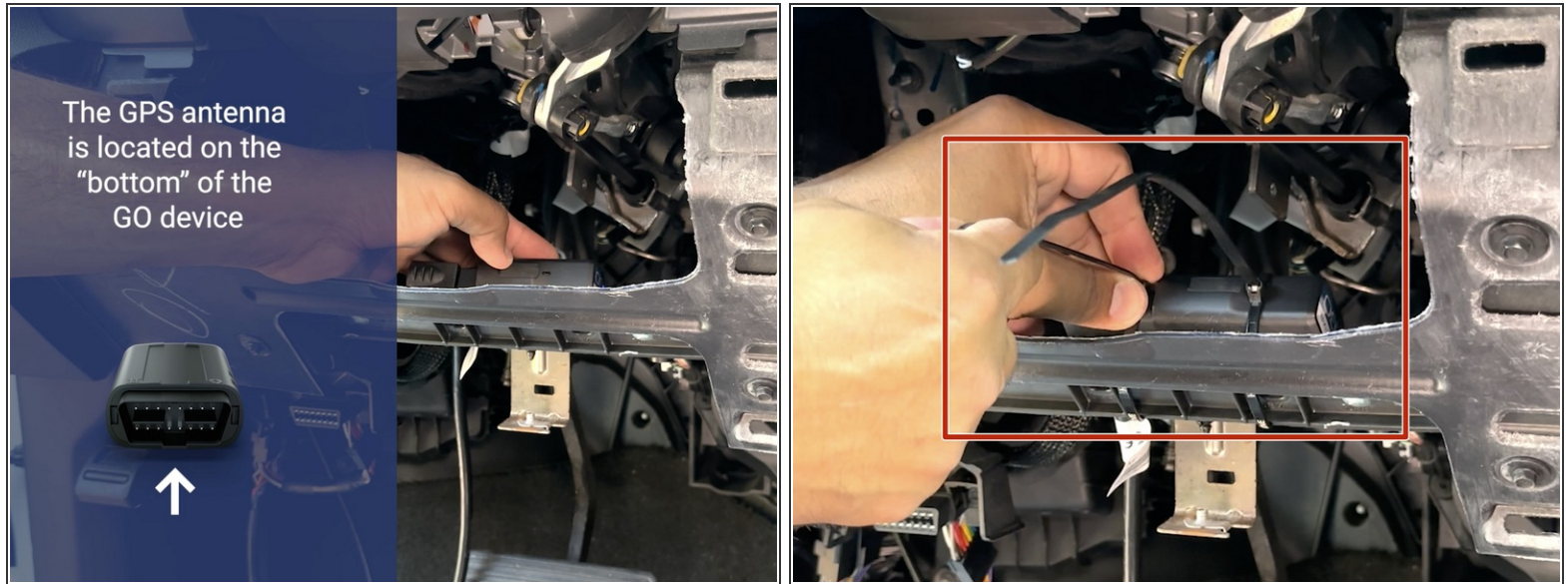


⚠ **Start Vehicle.**

- ☑ 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**.



- Secure the device to the harness with the included cable tie.
- ⚠ ***Trim any excess cable tie***
- ℹ Every device includes a black serialized cable tie which should be used in this step.



- 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!

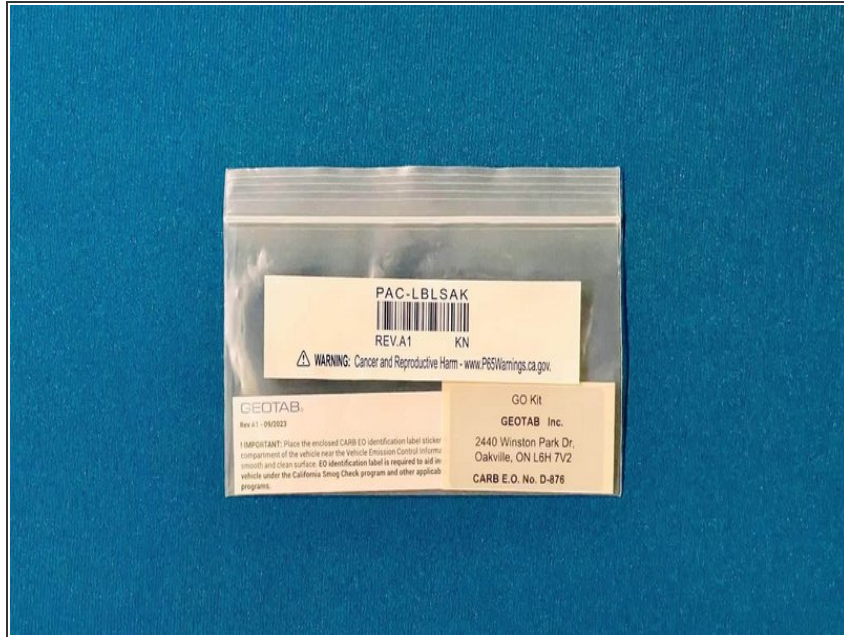
ⓘ Lines of sight through plastics, glass, and composites are generally acceptable.



⚠ Reattach any dash panels that were removed.

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

— CARB EO Identification Label



⚠ NOTE: US customers need to attach the Geotab CARB EO identification label sticker next to their Vehicle Emissions Control Information label which can be found inside the engine compartment (Light Duty vehicles) or on the drivers door jamb (Heavy Duty vehicles).

- **! IMPORTANT: USA Only:** Place the enclosed CARB Executive Order (EO) identification label sticker somewhere near the Vehicle Emission Control Information label on a smooth and clean surface.
- ⓘ The EO identification label is required to aid inspection of the vehicle under the California Smog Check program and other applicable smog test programs. [See here for more info.](#)