16-Pin Universal Light-Duty OBD-II T-Harness kit HRN-GS16K2-LD

For the most up-to-date version of this document, please visit: gtb.link/HRN-PcTcF



! IMPORTANT: This harness is for light-duty vehicles only (car, vans, utes). If you have a heavy-duty vehicle (trucks, buses), please order the heavy-duty version of this harness, HRN-GS16K2-HD.

The HRN-GS16K2-LD, an OBD-II 16-pin T-harness kit with 10 mounting brackets, connects a Geotab® GO device to light-duty vehicles internationally. The HRN-GS16K2-LD contains the mounting adapters listed below. The adapter plastic is numbered for easy reference (see the Adapters section of this document for details):

- North American Flange Mount
- North American Extended Flange Mount
- North American Snap-In Mount
- North American Slide & Lock Mount
- European Lock Mount
- Asian Snap-In
- European Latch & Snap
- VW Snap-In
- BMW Slide & Lock
- Ford Round Snap-In
- Volvo Slide Mount

Harness Technical Specifications

Weight	229.1 g
Size	**Max Length**: 630 mm **Max Width**: 40.7 mm

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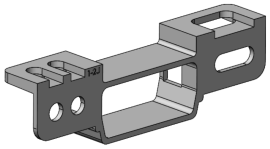
Material	**Universal Core Connector**: PBT + 15% Glass filled **Wire Jacket**: Black PVC Jacket
Connectors	16P Male Red Conn MP (12 Volts version) 16P Universal core connector 1 X 24 V compatible ALDL connector
Power Output	8 V to 12 V
Current Rating	5 A
Temperature Rating	−40 to +85 °C
Adapters	See the Adapters section below

WARNING! The HRN-GS16K2-LD harness kit is designed and intended for use only with the GO device or Geotab-authorised accessory devices. Professional installation from a Geotab Authorised Installer is required. Read and follow the complete GO device installation instructions (gtb.link/i8JX) as well as the installation instructions in this document to prevent serious personal injury or significant damage to your vehicle.

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Adapters

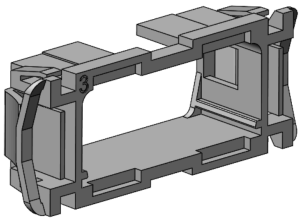
1-2U



North American Flange Mount

- Ford
- GM
- Chrysler

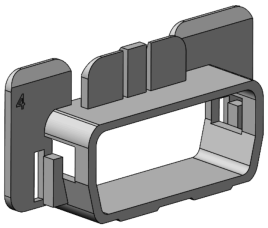
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North American Snap-In Mount

- Chrysler

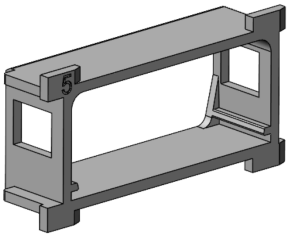
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North American Slide & Lock Mount

- Ford
- GM

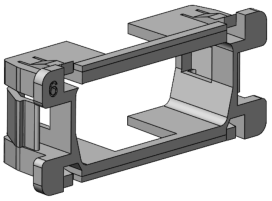
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European Lock Mount

- Mercedes
- BMW
- Iveco

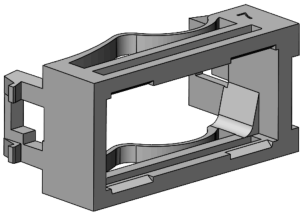
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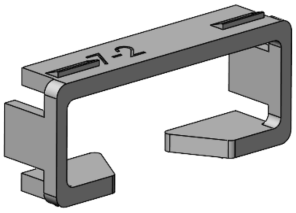


Asian Snap-In

- Toyota
- Hyundai
- Kia
- Ford
- Honda
- Iveco

7

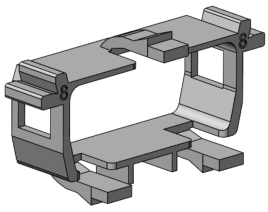




European Latch & Snap

- FIAT
- Citroën
- Peugeot

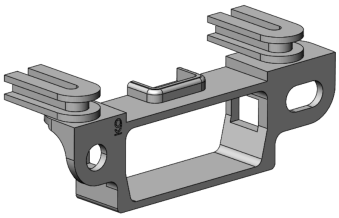
8



VW Snap-In

- Volkswagen
- Audi
- Bentley
- Porsche
- Skoda
- SEAT

9

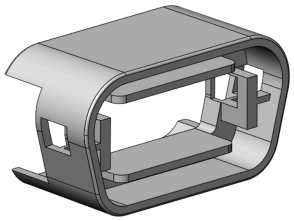


BMW Slide & Lock

- BMW

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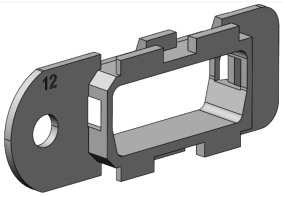
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Ford Round Snap-In

- Ford

12



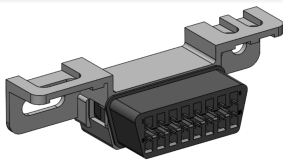
Volvo Slide Mount

- Volvo

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Mounted Adapters

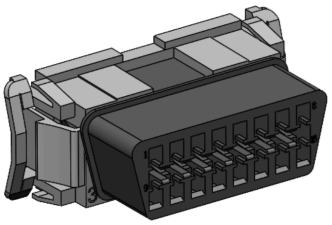
1-2U



North American Flange Mount

- Ford
- GM
- Chrysler

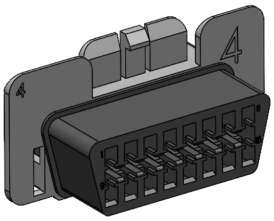
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North American Snap-In Mount

- Chrysler

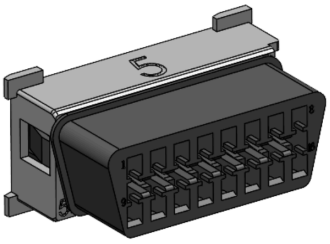
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North American Slide & Lock Mount

- Ford
- GM

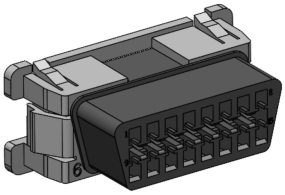
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European Lock Mount

- Mercedes
- BMW
- Iveco

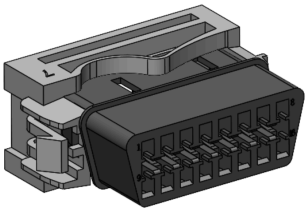
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Asian Snap-In

- Toyota
- Hyundai
- Kia
- Ford
- Honda
- Iveco

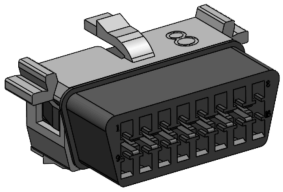
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European Latch & Snap

- FIAT
- Citroën
- Peugeot

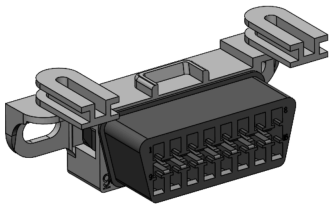
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VW Snap-In

- Volkswagen
- Audi
- Bently
- Porsche
- Skoda
- SEAT

9

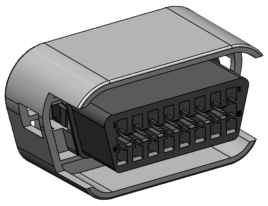


BMW Slide & Lock

- BMW

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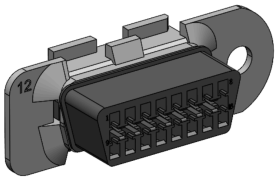
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Ford Round Snap-In

- Ford

12



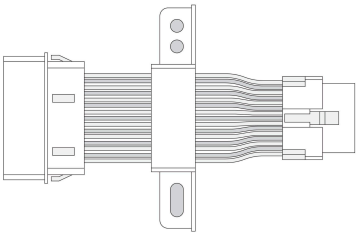
Volvo Slide Mount

- Volvo

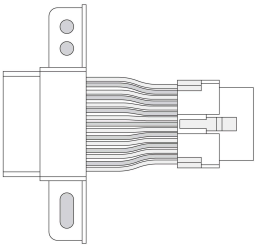
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Harness Assembly Instructions

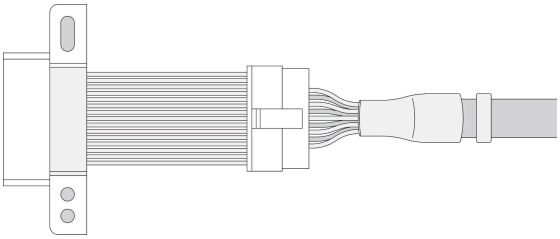
1 Choose the correct adapter for your application, and slide over the short harness.



2 Lock the adapter into the locking tabs.

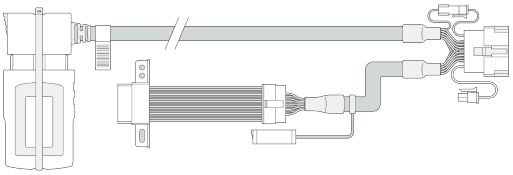


3 Connect the Molex connector to the other harness provided.

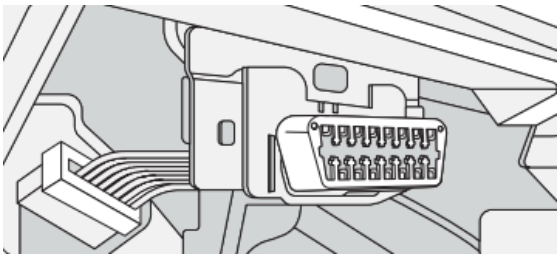


4 Connect the GO device to the harness and secure it with the provided cable tie.

! IMPORTANT: For vehicles that require Ethernet bypass (pins 3 and 11), disconnect the 4-pin Molex connectors (C3/C5) attached to the 16-pin T-harness (HRN-BM16T2-LD). For more information about Ethernet bypass and a list of impacted vehicles, refer to the Ethernet bypass section of this document.



5 Remove the vehicle diagnostics connector and install the completed setup.

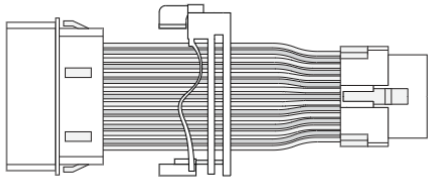


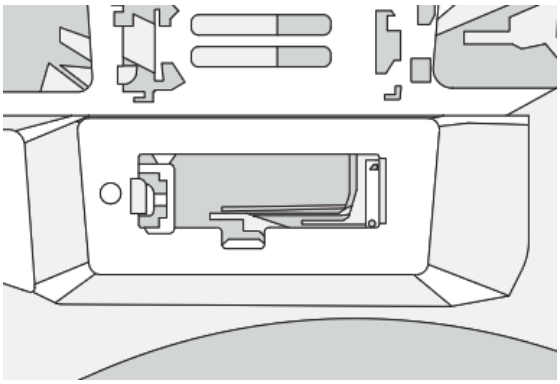
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European Latch & Snap

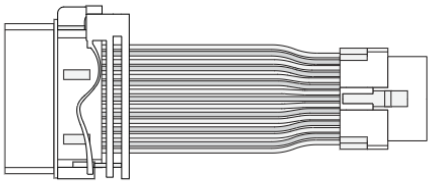
Replace Step 2 of the standard installation instructions with the following steps for FIAT, Citroën or Peugeot vehicles using the European Latch & Snap adapter (Adapter #7):

1. Slide the European Latch & Snap adapter all the way to the back of the core connector (towards the left in the image).

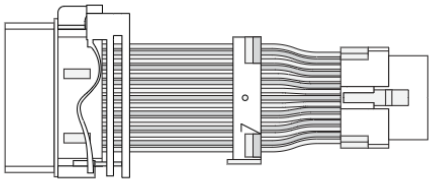




2. Lock the adapter into place.



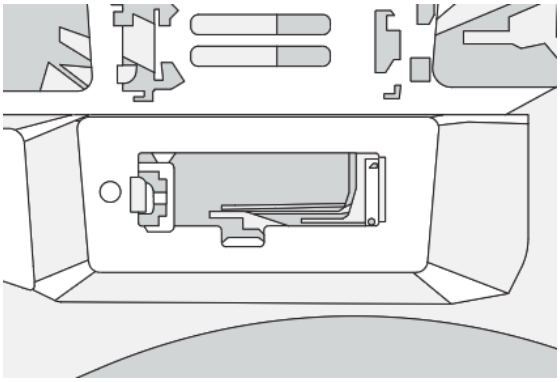
3. Slide the small snap adapter 7-2 from the back of the harness. Ensure that the European Latch & Snap is securely interlocked.

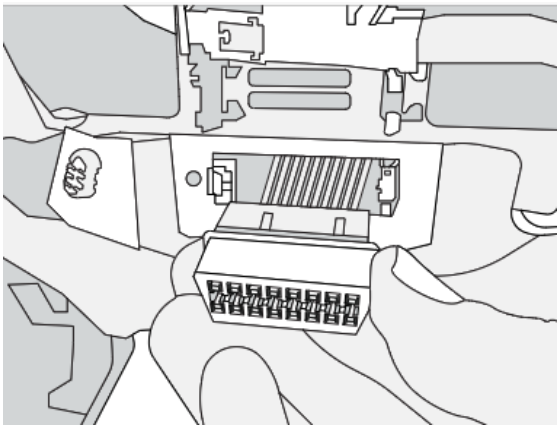


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4 Remove the vehicle diagnostics connector and install the completed setup.

✱ **NOTE**: On some vehicles (see the pictures to the right and below), you need to clip the adapter in the vehicle **before** connecting the rest of the T-harness. Inspect the vehicle's connection port to see if this is the case.



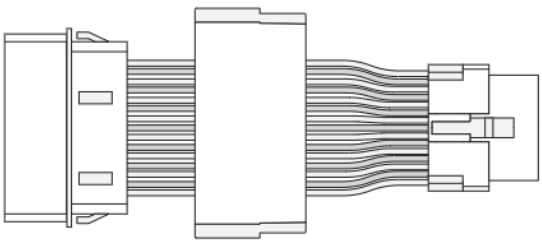


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Ford Round Snap-In

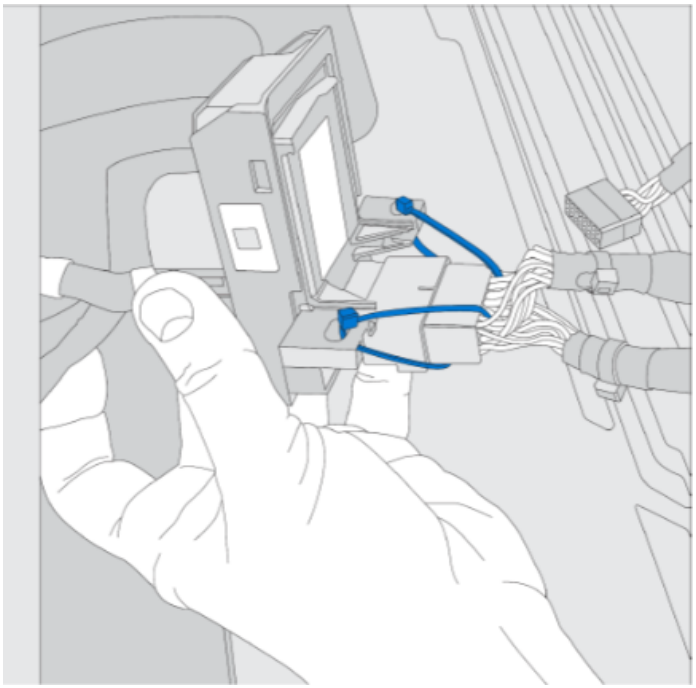
Replace Step 2 of the standard installation instructions with the following step for Ford vehicles using the Ford Round Snap-In adapter.

1. Slide the Ford Round Snap-In all the way to the back of the core connector.



Securing the HRN-GS16K2-LD to the Ford OBD-II Module

Use two cable ties to secure the HRN-GS16K2-LD to the factory Ford OBD-II module shown below.



CAUTION! Do not over-tighten the cable tie. Over-tightening the cable tie may cause damage to the harness connector.

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HRN-GS16K2-LD Ethernet Bypass

Ethernet networks in vehicles allow certain vehicle systems to transmit larger amounts of data at faster speeds compared to CAN networks.

For a full list of vehicles that support this, and for instructions on how to perform the bypass, refer to this article.

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Important Safety Information and Limitations of Use

For the latest version of the Limitations of Use, refer to: https://gtb.link/k6Fp0w

WARNING! Do not attempt to install, configure or remove any product from any 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 units while being operated could result in malfunctions or accidents, leading to death or serious personal injury.

WARNING! All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, including accelerator, brake and clutch pedals. You must inspect devices and cabling on a regular basis to ensure all devices and cabling continue to be securely attached. 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. Improperly fastened in-vehicle devices may detach and impact operators upon sudden acceleration or deceleration, which may cause injury.

WARNING! If at any point after an in-vehicle device is installed a warning lights up 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.

WARNING! 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 that can lead to a fire hazard or vehicle damage or serious injury.

WARNING! 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 death or serious injury and/or vehicle damage.

NOTICE: This product does not contain any user-serviceable parts. Configuration, servicing, and repairs must only be made by an authorised reseller or installer. Unauthorised servicing of these products will void your product warranty.

⚠ **WARNING**: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Regulatory Statements

Germany

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