

HRN-BD16S1 Installation Guide

The HRN-BD16S1 is specifically intended for vehicles that have a master power battery disconnect switch on the +12/24V, and are using the T-Harness. Do not use this harness for Ground switched battery disconnects, or a 3-wire HRN-CW03K3 harness.

Successful installation of any device or equipment requires knowledge of the installation and device requirements. This information is obtained by reading the device documentation and by speaking with the customer to understand their requirements.

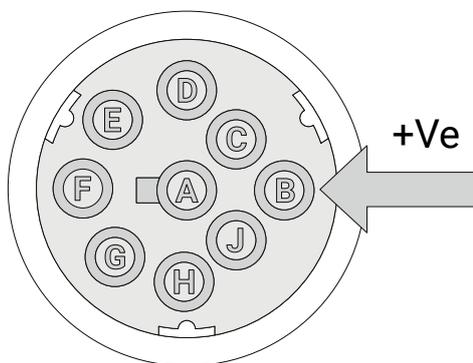
Installations should never be performed without first reviewing and understanding the device documentation and customer requirements.

Note: The master power switch may disconnect the negative or the positive battery terminal.

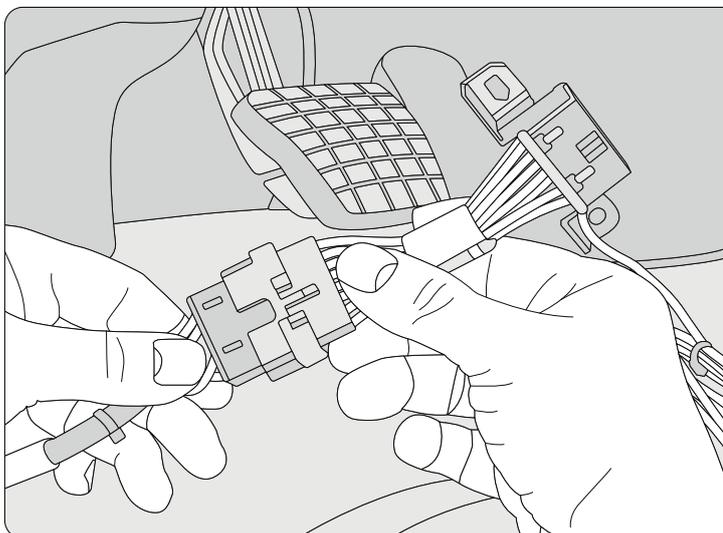
NOTICE: Never assume polarity, and never assume that all vehicles are identically wired.

NOTICE: Connections at these master-power switches are often exposed and must be properly protected from corrosion. We recommend you use loom to protect cable runs, as well as dielectric grease, heat shrink, and self-fusing tape at connections. Any direct-to-battery connections also require wire and corrosion protection.

WARNING! It is important to understand the risks involved when bypassing a master-power switch. Improper grounding, lack of grounding, or improper fusing can lead to death or serious personal injury. The bypass must not inadvertently provide an alternate path for other vehicle circuits to power. The client must be informed and involved so that they understand and can approve the installation.

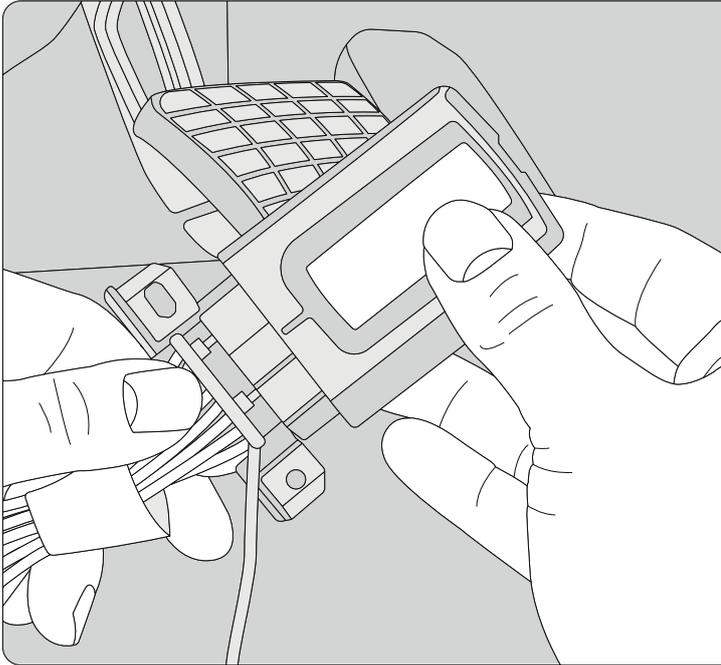


- 1) Confirm vehicle Master power switch is + positive switched. This is done by metering between the positive (J1939) pin and the chassis, and toggling the master power switch. If the vehicle is ground switched, the HRN-BD16S1 cannot be used.

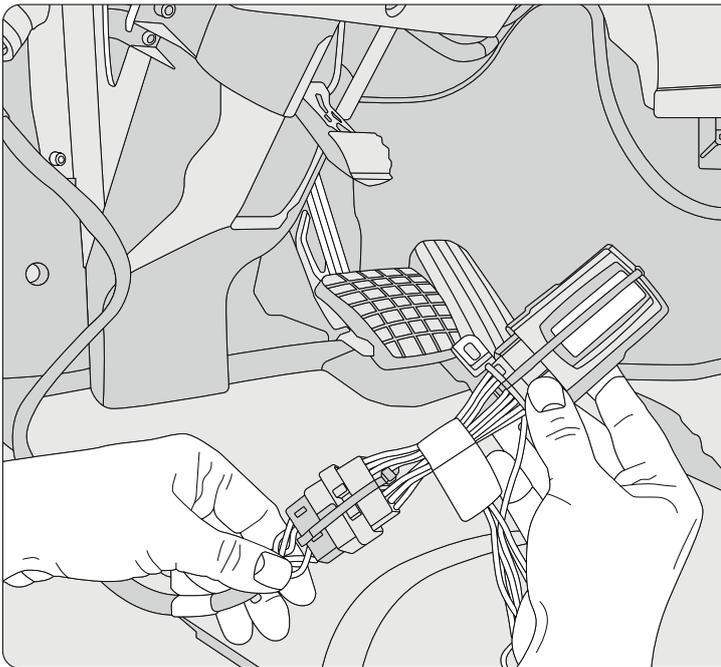


- 2) Connect the T-Harness 16 pin connector to the plug side of the HRN-BD16S1.

3) Ensure it is securely seated and use a zip tie to hold the connectors from separating.

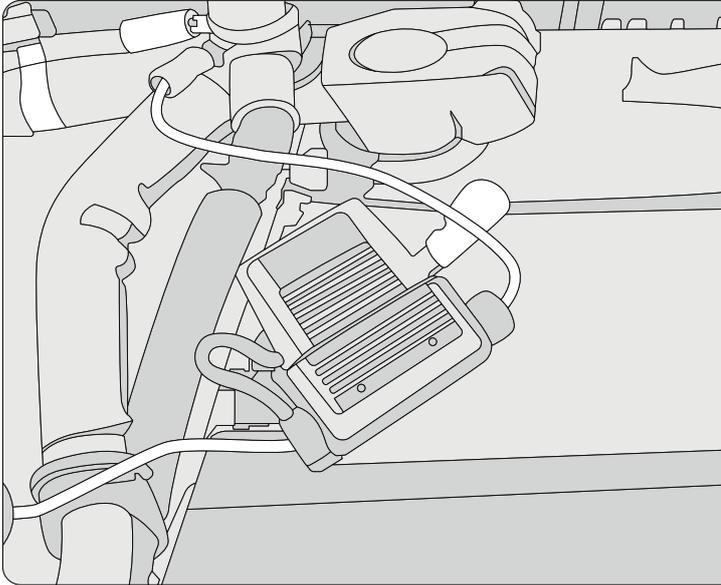


4) Connect the GO device to the receptacle side of the HRN-BD16S1.



5) Ensure it is securely seated and use a zip tie to hold the connectors from separating.

6) Run the red power wire from the HRN-BD16S1 to the battery and install the fuse holder. Any extension to this cable must be done with no smaller than 18AWG wire. Ensure passage through the firewall is grommeted, and the wire run is free of heat sources or sharp edges that could damage the loom/wire.



7) Locate the positive terminal of the battery. Make the connection between the positive terminal and the supplied (5A) fuse, ensuring the connections are corrosion protected. Fuse must be within 6" (150mm) of the terminal. Connect the Red wire from the HRN-BD16S1 to this fused connection to the battery.

8) Ensure the power wire (red wire) is secured with zip ties, and loomed.

9) Secure the HRN-BD16S1, GO device and T harness (within the cab, ideally behind the dash) ensuring all are secured and have a solid mounting to the vehicle.

Important Safety Information and Limitations of Use

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 installations, configurations, or removals must only be performed in securely parked, stationary vehicles. Attempting to service moving or operating vehicles 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 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 lead to death or serious personal injury.

WARNING! After an in-vehicle device is installed, if at any point 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, leading to death or serious personal injury.

WARNING! Your in-vehicle devices must be kept clear of debris, water, and other environmental contaminants. Failure to do so may result in the malfunction or short-circuiting of units which can cause fire hazards or vehicle damage, leading to death or serious personal injury.

WARNING! Do not attempt to remove devices from vehicles where they are originally installed and then install them in other vehicles. Not all vehicles share compatibility, and reinstalling devices in other vehicles may result in unexpected interactions. This could include abrupt power loss, vehicle engine shutdown while in operation, or poor or erratic vehicle operation, leading to death or serious personal 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 authorized reseller or installer. Unauthorized servicing of these products will void your product warranty.