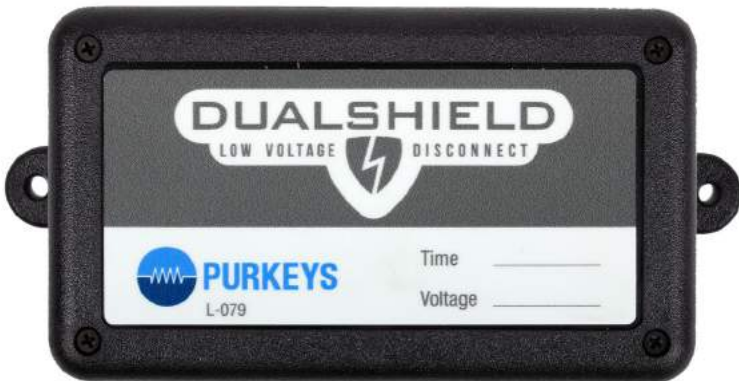


# PURKEYS

## DUAL SHIELD™ LVD FOR HINO

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### INSTALLATION GUIDE





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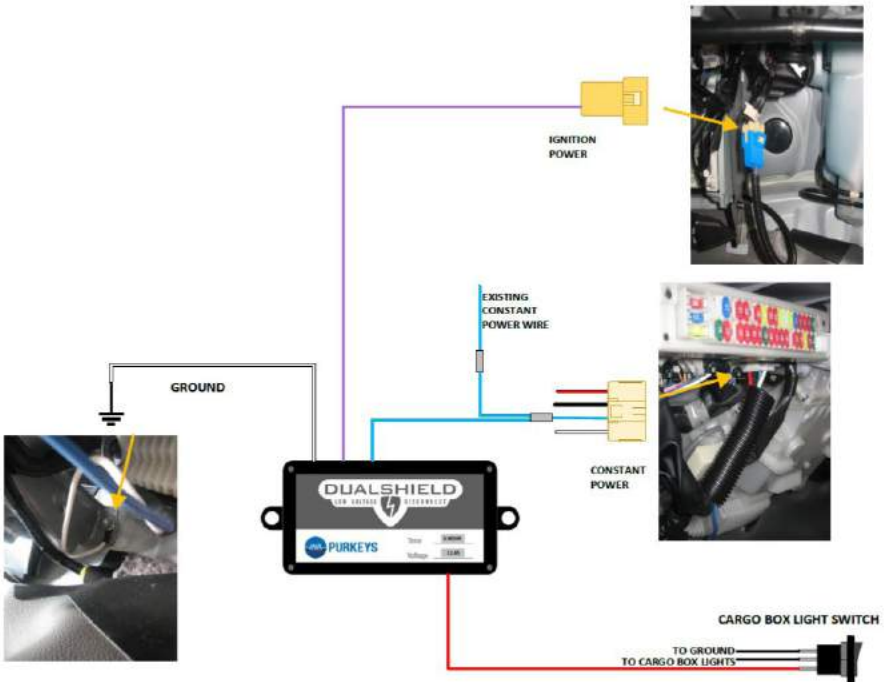
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## GENERAL INFORMATION

The Purkeys Low Voltage Disconnect (LVD) is designed to drastically reduce the parasitic drain on the vehicle's batteries. Parasitic loads are caused by electrical devices such as interior lights, radios, child safety devices, etc. While these devices are critical to operation, there is a risk that the parasitic drain will be enough to discharge the battery and keep the vehicle from starting. The Purkeys LVD is a device that shuts off parasitic loads either by voltage or by time. While the ignition is on, this device will not impact any of the electrical devices. The Purkeys LVD has built-in LEDs that indicate its status.

## LVD DIAGRAM



# DUAL SHIELD™ LVD INSTALLATION GUIDE

## LVD INSTALLATION

Step 1: Remove both negative leads from the vehicle batteries to protect the electrical circuitry.



Step 2: Remove the passenger side dash panel by locating and removing the small panel next to the glove compartment door. Locate and remove the two lower mounting screws. Locate and remove the plastic push rivet to the right.



Step 3: Locate and remove the two mounting screws on top of the passenger side dash panel.



Step 4: Remove the center lower dash panel by locating and removing the lower mounting screw.



Step 5: Locate and remove the plastic push rivet next to the throttle pedal.



Step 6: Locate and remove the screw next to the fuse panel holding the mirror control panel in place. Carefully remove the rear view mirror control panel and the center lower dash panel.



Step 7: Mount the LVD behind the driver's seat using the supplied hardware.



Step 8: Route all the LVD wiring behind the driver's seat belt cover.



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Step 9: Locate and remove the four door-step panel mounting screws. Carefully route the LVD wiring under the panel. Reinstall the panel and screws.



Step 10: Route the LVD Output Harness (red wire) to the cargo light switch. Connect the harness to the unused terminal on the back of the cargo light switch.



Step 11: Route the Constant Power and Ground Harness (blue and white wire) behind the steering column and toward the fuse panel. Avoid pinch points near steering column.



Step 12: Connect the Constant Power and Ground Harness ground (white wire) to a chassis ground. Be sure there is good metal to metal contact.



Step 13: Locate the 4-pin white connector at the vehicle fuse panel and remove. Cut the blue wire in the white connector 2.5 inches down from the connector. Splice the blue wire in the Constant Power and Ground Harness to the blue wire in the white connector using the splice and heat shrink tubing provided.



Step 14: Install the 3/4 inch protective conduit provided with the kit onto the spliced wiring.



Step 15: Route the Ignition Harness (purple) toward the passenger side of the vehicle. Connect the 10-pin connector of the harness to an unused mating 10-pin connector in the vehicle located directly behind the glove compartment. Complete the installation by reinstalling all dash panels and fasteners and reconnecting the negative leads at the vehicle battery.



LVD installation complete.



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## PART LIST

Part# DSLVD-01

LVD, Dual Shield



Part# H-00454

Harness, Output from LVD to Hino  
Cargo Lights



Part# H-00455

Harness, Constant Power and  
Ground from LVD to Hino



Part# H-00456

Harness, Ignition from LVD to Hino



Part# BK-1071

Bag Kit, P-85H



Part# INST087

Guide, Installation LVD Assembly  
for Hino



# DUAL SHIELD™ LVD INSTALLATION GUIDE

## LIMITED COMMERCIAL WARRANTY POLICY

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Purkeys Fleet Electric, Inc. (hereafter “Purkeys”), warrants each product to be free of defects in material or workmanship under normal use and service. This warranty is for the benefit of Original Equipment Manufacturers, Dealers, Warehouse Distributors, Fleets, or other End Users (hereafter “Customers”) and covers products manufactured by Purkeys and sold new to Customers either directly by Purkeys or by its authorized dealers, distributors, or agents. The length of the Warranty Period is 36 months.

The warranty period commences on the in-service or install date and is not transferable. Failure to provide the in-service or install date on the warranty claim form will cause the warranty period to begin on the date the part was manufactured or date of sale recorded on the original sales invoice, whichever is earlier.

A completed warranty claim form should accompany all parts submitted to Purkeys for consideration for repair or replacement under warranty. The submitted claim form should contain all of the information required. Lack of a properly or fully completed claim form will result in delay or denial of warranty claim. Claims must be submitted no later than 30 days after part is removed.

This warranty does not apply if, in sole judgement of Purkeys, the product has been damaged or subjected to accident, faulty repair, improper adjustment, improper installation or wiring, neglect, misuse, or alteration or if the product failure is caused by defects in peripheral vehicle components or components attached to the Product or failure of a part not manufactured by Purkeys.

This warranty shall not apply if any Purkeys product is used for a purpose for which it is not designed or is in any way altered without the specific prior written consent of Purkeys. ANY Product alleged by a Customer to be defective must be inspected by Purkeys as a part of the warranty claims process in order to confirm that the part has failed as a result of a defect in material or workmanship.

Transportation for products and parts submitted to Purkeys for warranty consideration must be prepaid by Customer. Repaired or replaced products and or components will be returned to Customer pre-paid by Customer or “freight collect” to the address provided by Customer in the warranty claim form. No charge will be made for labor or material in effecting such repairs.

The Warranty provided by Purkeys hereunder is specifically limited to repair or replacement of the Product as Purkeys deems most appropriate in its sole discretion. Purkeys neither assumes nor authorizes any other person to assume on its behalf any other warranty or liabilities in connection with Purkeys products. The Warranty does not apply to fuses or other “consumable” or maintenance items which are or may be a part of any Purkeys product.

**THIS WARRANTY DOES NOT APPLY TO LOSS OF VEHICLE OR EQUIPMENT, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. PURKEYS SPECIFICALLY DISCLAIMS AND SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES arising out of or from the use of Purkeys products by the Customer.**

**THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING COMMON LAW WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND ANY OTHER EXPRESS OR IMPLIED WARRANTIES. ALL OTHER SUCH WARRANTIES ARE SPECIFICALLY DISCLAIMED.**

This Limited Commercial Warranty supersedes all previous Warranty Policies issued by Purkeys and any of its suppliers.



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