Battery State of Charge Indicator

LG-TBI  02/04/2014

Owners Manual

- Operation
- Wiring Diagram
- Troubleshooting
- Warranty
GENERAL OPERATION

The battery state of charge indicator is to be mounted through the side of the lift gate battery box where it can be seen. It is recommended to mount the indicator in a location where it is not exposed to a lot of road splash. This device monitors the state of charge of the lift gate batteries. If the battery pack is more than 12.4 volts or 75% state of charge the LED will flash green for one second every ten seconds. If the voltage is less than 12.39 volts or less than 75% state of charge the LED light will flash red for one second every ten seconds. Trailers should never be allowed to leave the yard if the LED light is flashing red. The LED light should be observed when the trailer is returned. If the LED light is not green the appropriate action should be taken.

Note: The light will not flash when the batteries are being charged. The LED light could go from green to red or red to green depending on what voltage the batteries stabilize at after being charged or the lift gate has been cycled. It may take up to ten minutes for the batteries to stabilize.
Route the opposite end of the battery indicator with the fuse holder into the battery box through the pre drilled hole.

Push the threaded portion of the battery indicator into the battery box.

Place the Dome nut lock nut over the battery indicator wire harness and run it up to the back of the battery indicator to hold it in place.
Use a wrench to tighten the dome nut lock nut. Do not over tighten as the dome nut threads are made of plastic.

Connect the wire marked liftgate battery negative to the negative post on the liftgate battery. Tighten battery nut.

Connect the wire marked liftgate battery positive to the positive post on the liftgate battery. Tighten battery nut.
Use a zip tie around the excess wire to make for a clean installation.

If the battery pack is more than 12.4 volts or 75% state of charge the LED will flash green for one second every ten seconds.

If the voltage is less than 12.39 volts or less than 75% state of charge the LED light will flash red for one second every ten seconds.
Must be mounted to where visible from walking or driving by.
If the light does not flash for one second every ten seconds:

- First of all check the liftgate batteries. They must be at least 12.3 volts. Check the two amp fuse in the red lead. If it is blown then check the complete red wire to ensure it is not damaged or touching ground.

After wire has been checked and repaired, install a new fuse. Check the black wire to ensure it is connected to the battery negative and is not damaged. If the light still does not operate the Battery State of Charge Indicator is defective and need to be replaced.
LIMITED COMMERCIAL WARRANTY POLICY

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 24 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.
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