

# INSIGHTS

**Genie**  
A TEREX COMPANY

**Product News | Information | Updates**

**For more information  
contact Genie Industries at:**

Toll Free: 800-536-1800

Direct: 425-881-1800

## Options and Part Numbers

The new LVI/BCI accessory is an option on all Genie DC and Bi-Energy powered booms as a factory-installed item (selected during order entry) or as a field-installable upgrade kit. An installation manual is included with the field kit.

### Factory-Installed LVI/BCI Accessory

For models Z™-30/20N, Z™-30/20N RJ, Z™-34/22N, Z™-34/22 DC and Z™-34/22 Bi-Energy: Part #119145

For models Z™-45/25 DC and Z™-45/25 Bi-Energy: Part #119144

### Upgrade Kit for Field Installation

Part #119147 (all models)

### Installation Manual

Part #119183 (all models)

## New Low Voltage Interrupt/Battery Charge Indicator Available for Genie DC Z™-Booms

The Low Voltage Interrupt/Battery Charge Indicator (LVI/BCI) accessory for our Genie DC-Powered Z™-Booms has a new design with a new look on the platform control box. Updates include simpler hardware, installation and adjustment — as well as an easy-to-read backlit digital LCD gauge.



### Key Functions

The **Low Voltage Interrupt (LVI)** function shuts off both secondary and primary boom elevate functions when the battery charge drops to a level at which continued operation could damage the battery or other electrical components.

The **Battery Charge Indicator (BCI)** shows the operator the amount of charge remaining in the DC battery packs.

### How It Works

On our DC boom products, a freshly charged 48-volt battery pack will provide slightly more than 50 volts (an average of 2.1 volts per cell for each of the eight

batteries' three cells). The LVI monitors the average volts per cell and interrupts the elevate functions when it drops to 1.73 volts per cell, or a battery pack voltage of about 41 volts. A flashing light on the gauge face alerts the operator that the interrupt voltage has been reached.

### Simple to Adjust

The cutout voltage of 1.73 volts per cell is the factory default value. However, a service technician can easily adjust the cutout voltage to a greater or lesser value if needed. See the updated service manuals for Genie DC Z-Booms for information on adjustment procedures.



New



Previous



New



Previous

The new backlit digital LCD displays battery charge level on a 10-segment bar graph as well as a numerical percentage.

With fewer pieces than the previous design, the LVI/BCI accessory is easy to install and service.

**Genie Industries**  
18340 NE 76th Street  
P.O. Box 97030  
Redmond, Washington 98073-9730

**800-536-1800**  
**genieindustries.com**