Reference: SBMH0514093

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MUIRHEAD®

Reduce the cost of ladder repairs to your Komatsu 830E-1AC electric truck

Ladder Protection Warning for Komatsu 830E truck

The cost of downtime and ladder repairs to your Komatsu 830E-1AC electric truck can be significant with the high incidences of machines moving while any one of the 3 ladders is still down.

In order to reduce the risk of such incidences, RCT has developed the Muirhead Ladder Down Transmission Inhibit System (LDTI) system to alert operators if a ladder is not stowed and assist in preventing unnecessary damage to both the ladder and the machine.

The system includes the following visual and audible alarms to assist the operator.

- System on: Green LED
- Ladder 1, 2 and 3 LEDs
- Green: ladder stowed
- Red: ladder not stowed
- Red flashing: ladder fault
- Audible alarm: shift lever is not in place

When the system is in operation, this is indicated by the green system LED.

When all ladders are stowed correctly the respective ladder LED illuminates green, at this time the shift lever LED illuminates green confirming that it is safe to drive off.

When the operator lowers a ladder the respective ladder LED will illuminate red. If the shift lever is not in the park position an audible alarm will sound alerting the operator to place the shift lever into the park position. Once in position, if any one of the ladders is not stowed, the transmission will be locked thus preventing the truck from movement.

Once the ladders are stowed correctly the respective green LED will illuminate and the shift lever will be UN locked allowing machine movement.

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If at any time whilst the truck is moving (in gear) and a ladder moves from its stowed position, a visual and audible alarm will sound alerting the operator. The shift lever will not be inhibited until the operator places the shift lever back into the park position.

A red, flashing LED together with a remote mounted sonar will indicate any system fault.

The system also incorporates a manual test switch to allow the operator to test the system before operating.

Features

- Features and Benefits
- Complete system with controller, ladder switches all required looms and manual
- Ladder Control/Display Unit for easy interpretation of ladder status information
- 830E-1AC specific controller interfacing harness provides plug and play connectivity
- Includes all 3 x Ladder switches
- Includes all 3 x 10m Ladder switch wiring looms
- Can be easily installed by competent site personnel
- Increase machine availability and productivity
- Reduce maintenance and repair costs
- Monitors all 3x ladder stowed positions e.g. constant ladder health

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