



Date	Group	No.	Release	Page
8.2014	375	012	01	1(9)

Battery Protection System (LVD) Relay
CHU, CXU

SB-10056543-5075

FSB 375-012, Battery Protection System (LVD) Relay

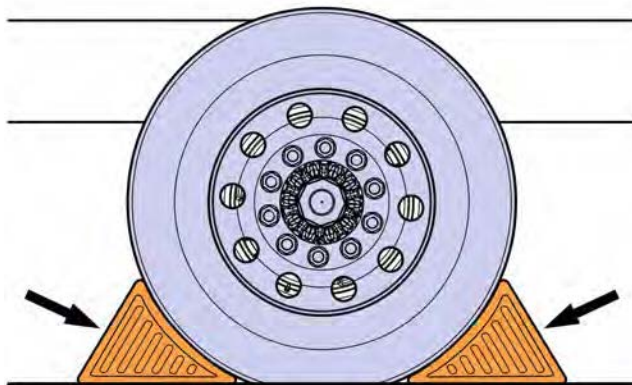
(August 2014)

On certain Mack Trucks built from 01/01/2010 to 06/13/2014 with the Lifeguard Battery Protection System (LVD), the LVD relay may not turn the loads back on when the "High" voltage threshold is met. This is due to an assembly error at the supplier.

Inspection

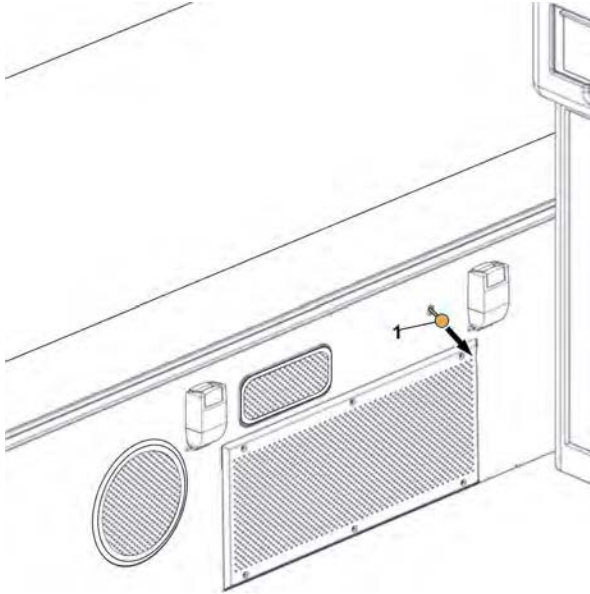
You must read and understand the precautions and guidelines in Service Information, group 3, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.



W7086748

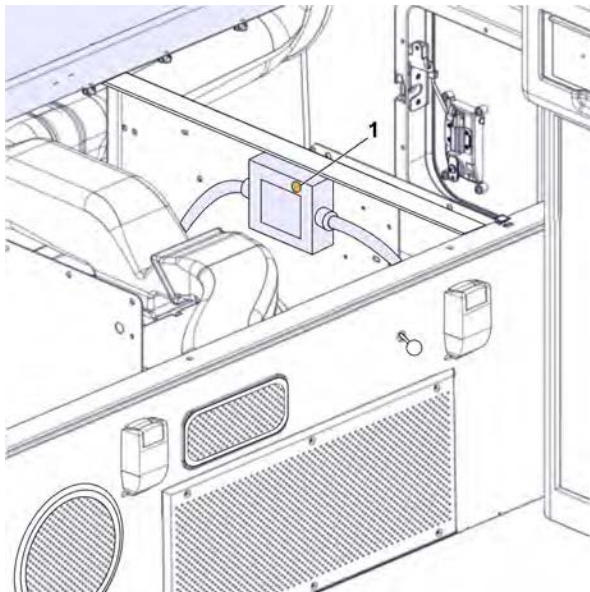
2. Raise the bunk lid by pulling knob out and lifting bunk.



W8092003

1. Knob

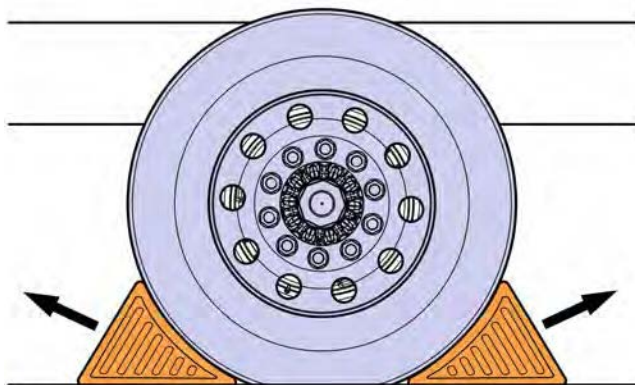
3. Locate and check the LVD relay for a Green Dot.
 - a. If Green Dot is **PRESENT**, no further action required.
 - or
 - b. If Green Dot is **NOT PRESENT**, proceed to the repair section below.



W8092004

1. Green Dot

- 4 Lower the bunk lid.
- 5 Remove the wheel chocks.



W7086759

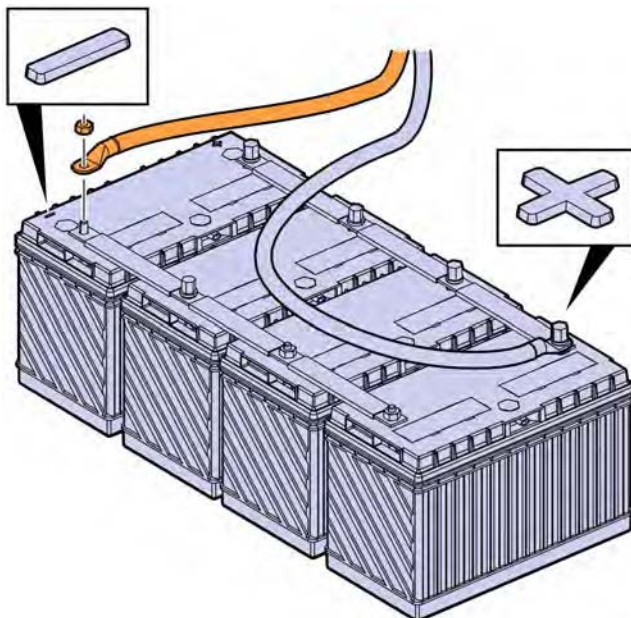
Required Parts

Quantity	Part Number	Description
1	22461978	LVD Relay

Repair

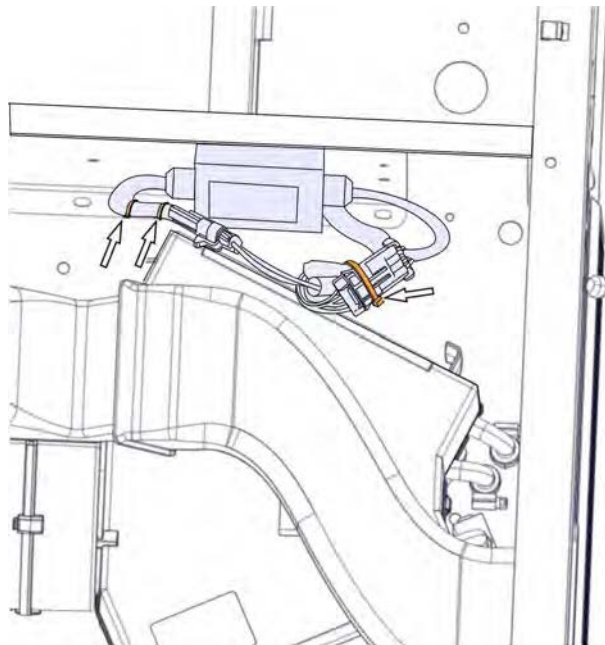
You must read and understand the precautions and guidelines in Service Information, group 3, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- 1 Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.



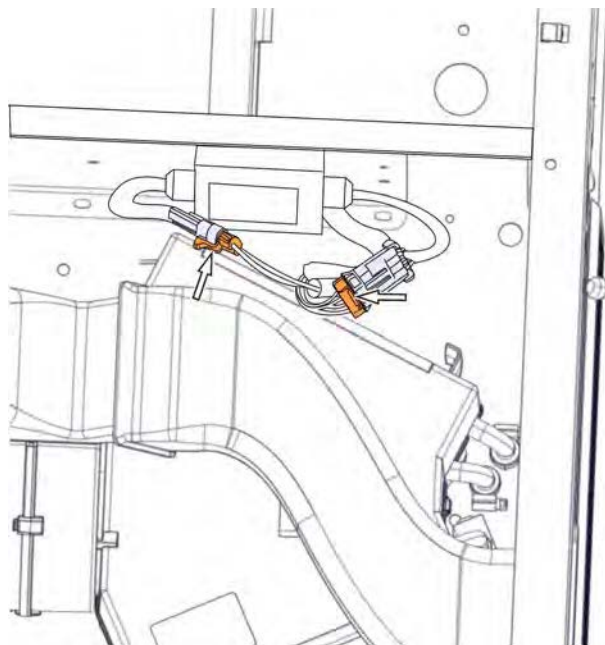
W3086747

2 Remove the cable ties.



W3092005

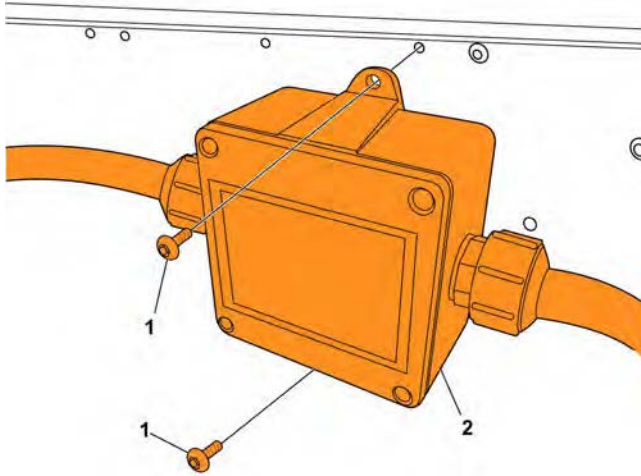
3 Disconnect the harnesses.



W3092006

4 Remove the LVD relay.

Note: 2 screws, 1 upper and 1 lower



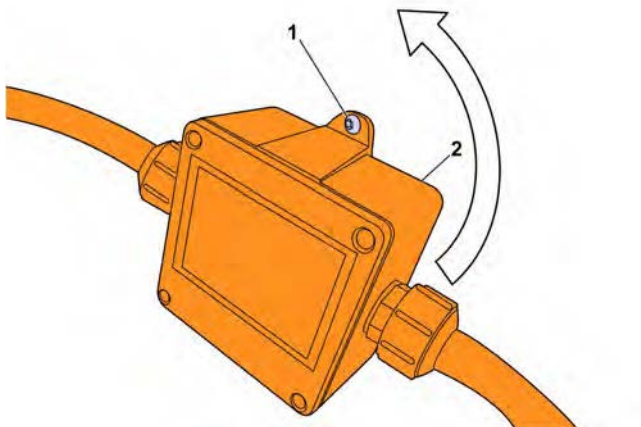
W3092007

- 1. Screws
- 2. LVD Module

5 Install the LVD relay.

Note: Start the lower screw first and then rotate the LVD to align with top screw.

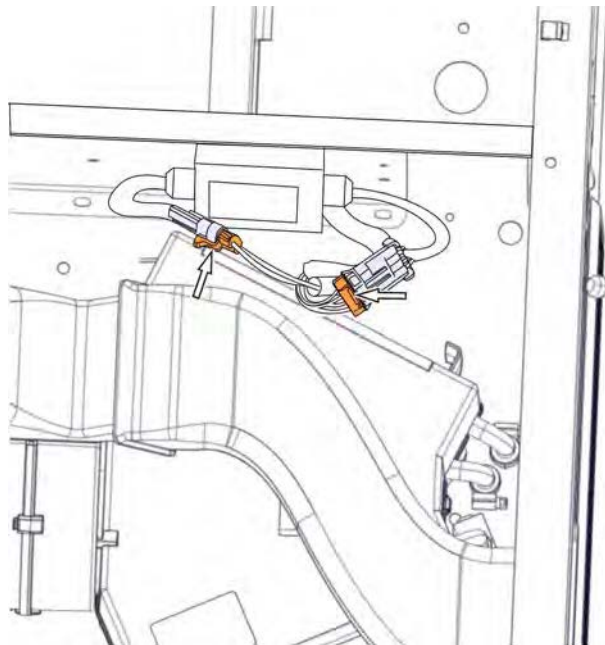
Note: 2 screws, 1 upper and 1 lower



W3092008

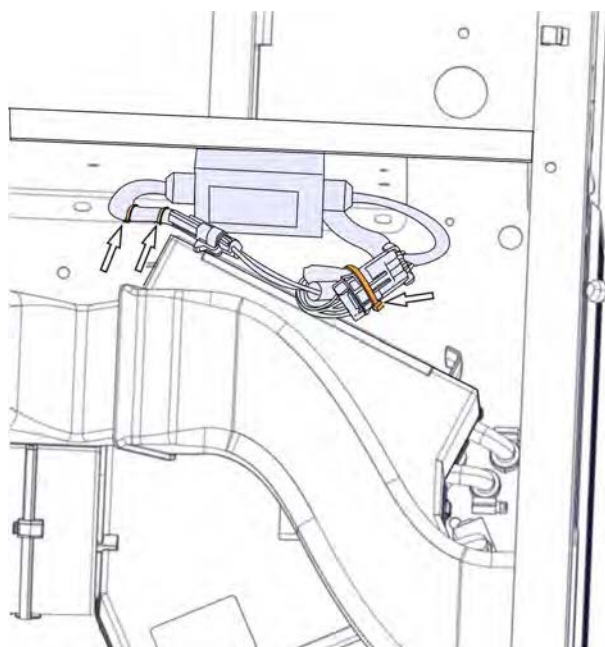
- 1. Screws
- 2. LVD Module

6 Connect the harness.



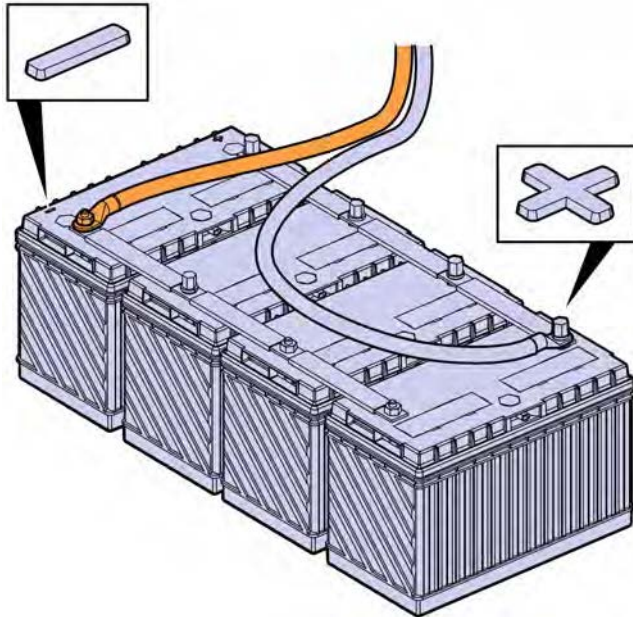
W3092006

7 Secure with cable ties as required.



W3092005

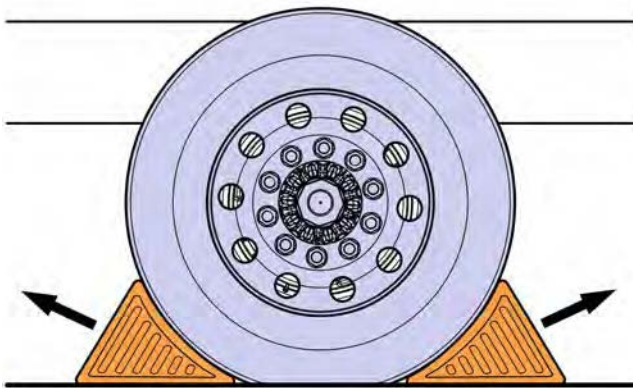
8 Install all the previously removed cables to the negative (ground) battery terminals.



W3086758

9 Start the engine and check for proper operation.

10 Remove the wheel chocks.



W7086759

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	Reimbursement UHP	Reimbursement eWarranty
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01	01
Labor Code		
Primary Labor Code Inspection	3000-06-09-01 0.3 hrs	7213E-01-80 0.3 hrs
Repair only	3759-03-09-01 0.3 hrs.	7213F-01-80 0.3 hrs.
Causal Part	20846252 (1MR583M)	20846252 (1MR583M)

Mack Trucks Inc. reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.