



(Does not apply to Mack Trucks Australia)

Headlight Rocker Switch Failure

CX, CXN

SC342, Headlight Rocker Switch Failure

(June 2009)

The headlight rocker switch used on CX and CXN model chassis may experience premature failure, resulting in inoperative or intermittent headlights. To correct this condition, a jumper harness and two relays must be installed. Approximately 42,609 vehicles are involved in this campaign. A list of affected chassis has been sent to all applicable dealers.

Procedures:

The jumper harness and relay arrangement must be installed on all vehicles involved in this campaign. Before proceeding, verify Safety Recall eligibility by:

- a. Checking the Safety Recall status in eWarranty.
- b. Checking the campaign completion label located on the passenger-side door. If the campaign has been completed, SC342 should be written on the label.

Procedures for installing the jumper harness and relay arrangement are as follows:

NOTE

Depending upon the chassis date of manufacture, CX models can have either a 6- or 4-pin D-panel electrical connector. When performing these procedures on a CX model, first determine the D-panel connector, and then refer to the applicable instructions outlined in this campaign document.

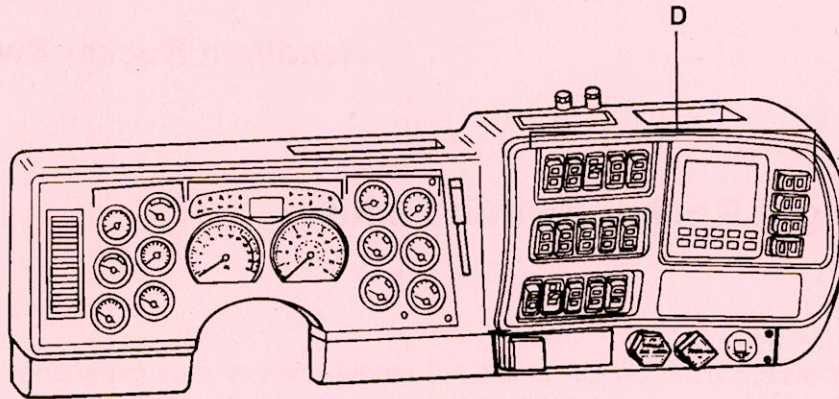
CXN Models and CX Models Having a 6-Pin D-Panel Connector

1. Disconnect the batteries by disconnecting the negative battery cable(s) first, and then the positive cable(s).

NOTE

If equipped with dual battery boxes, disconnect the cables in both battery boxes.

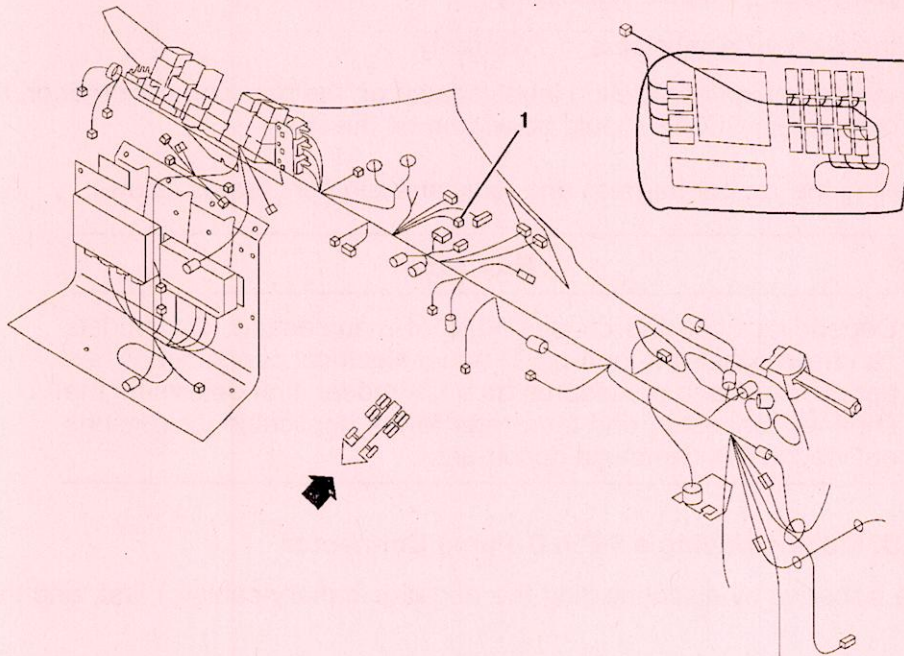
2. Remove the D-panel.



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Figure 1 — Remove D-Panel

3. Disconnect the 6-pin D-panel connector.



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Figure 2 — Disconnect 6Pin Connector

1. 6-Pin Connector

4. Connect the headlight jumper harness (part No. 41MR41165M) between the cab 6-pin cab-to-D-panel harness connectors.
5. Install the relays (part No. 25171095) into the relay sockets of the harness legs labeled "Head Lamp Relay" and "Marker Relay."

6. Using self-tapping screws, secure the two relays to an accessible location on the cab bulkhead behind the instrument panel.
7. Secure the jumper harness ring terminal to the cab ground stud located behind the ABC (gauge cluster)-panel.

NOTE

It may be necessary to remove the ABC-panel to access the ground stud.

8. Reinstall the D-panel (and the ABC-panel if it had been removed).
9. Reconnect the batteries by connecting the positive battery cable(s) first, and then the negative cable(s).

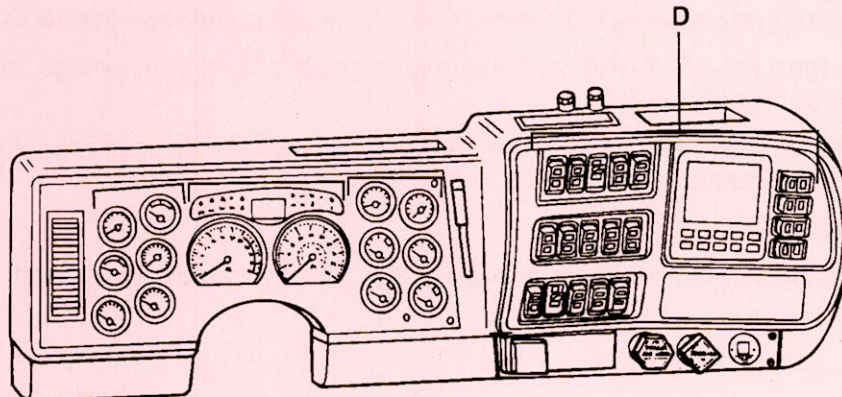
CX Models Having a 4-Pin D-Panel Connector

1. Disconnect the batteries by disconnecting the negative battery cable(s) first, and then the positive cable(s).

NOTE

If equipped with dual battery boxes, disconnect the cables in both battery boxes.

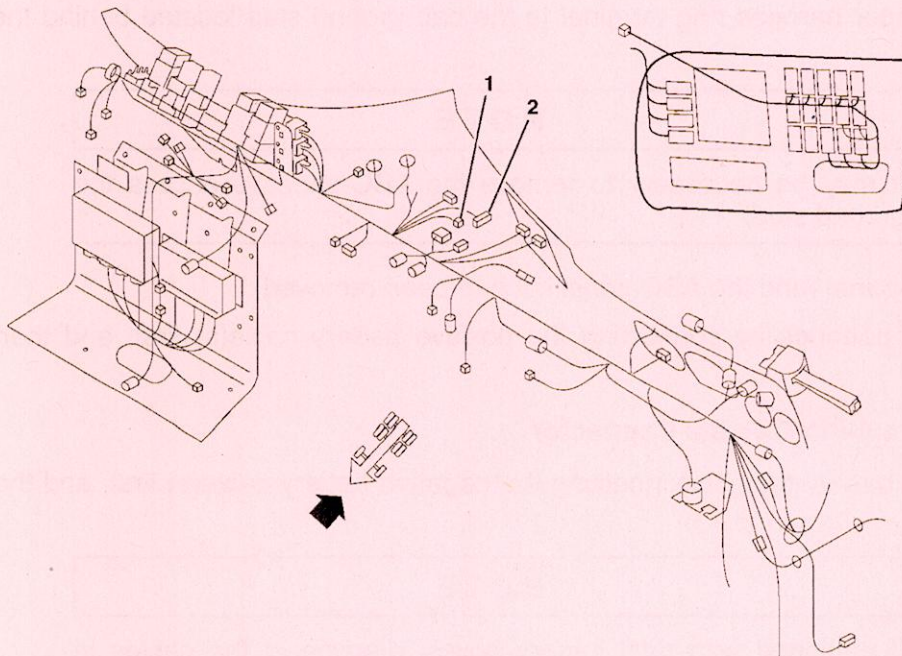
2. Remove the D-panel.



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Figure 3 — Remove D-Panel

3. Disconnect both the 4-pin and 30-pin D-panel connectors.



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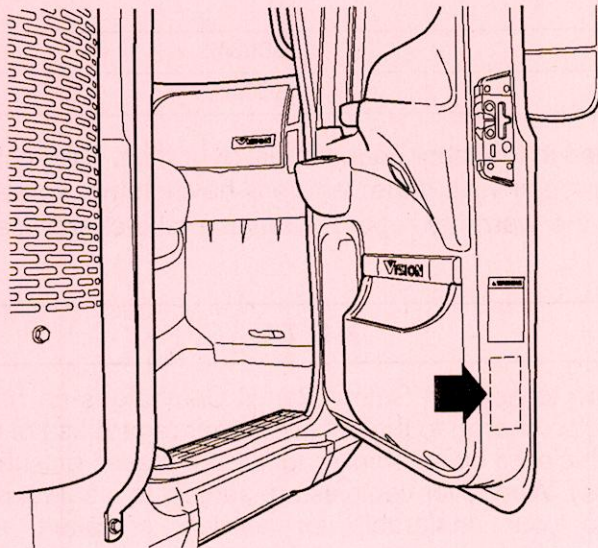
Figure 4 — Disconnect 4-Pin and 30-Pin Connectors

1. 4-Pin Connector	2. 30-Pin Connector
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4. Install the headlight jumper harness (part No. 41MR4166M) between the 30-pin chassis-to-D-panel harness connectors and between the 4-pin chassis-to-D-panel harness connectors.
5. Install the relays (part No. 25171095) into the relay sockets of the harness legs labeled "Head Lamp Relay" and "Marker Relay."
6. Using self-tapping screws, secure the two relays to an accessible location on the cab bulkhead behind the instrument panel.
7. Reinstall the D-panel.
8. Reconnect the batteries by connecting the positive battery cable(s) first, and then the negative cable(s).

NOTE

To signify that the campaign has been completed, use a permanent-type marker (such as a Sharpie®) to write the campaign number (SC342) and completion date in the spaces provided on the Campaign Completion label located on the lower edge (below the door latch) of the passenger-side door. If a label is not already affixed to the door, apply a label (part No. TS897) and supply the information as required. Campaign Completion labels are available in packs of 50 and can be ordered by faxing a completed BR313 to Pacesetters Business Services at 610-264-9465.



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Figure 5 — Campaign Completion Label Location

Parts Required:

International orders are to be prefixed — V.O.R.

Qty.	Part No.	Description
1	41MR41165M	Headlight jumper harness assembly, all CXN models and CX models having a 6-pin D-panel connector
1	41MR41166M	Headlight jumper harness assembly, CX models having a 4-pin D-panel connector
2	25171095	Relay

Reimbursement

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	40
Recall Status	
Vehicle inspected, repair not required	1- Inspected OK
Vehicle repaired per instructions	2-Modified per instructions
Labor Code	
Primary Labor Code	7246E 01 56 — 0.6 hr., Time allowed to install headlight switch jumper harness assembly and relays on CXN and CX models involved in this campaign. Does not include "take-charge" time.
Time to take charge of vehicle and determine campaign status	101AA 0A 00 — 0.3 hr.
Causal Part	SC0342
Authorization No.	SC0342

Take-charge time is not included in the labor code for this operation. Take charge may be eligible, but can only be used once per vehicle repair visit. If the vehicle is having other warranty repairs performed, take-charge should be charged to the warranty repair, otherwise take-charge can be charged to this Safety Recall campaign.

NOTE

Dealers are to perform Safety Recall Campaigns on all subject vehicles at no charge to the vehicle owner regardless of mileage, age of vehicle or ownership (original purchaser or subsequent purchasers). Whenever vehicles are subject to a safety recall are brought to your dealership for service, or taken into your dealership vehicle inventory, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is sold or released to the owner.