

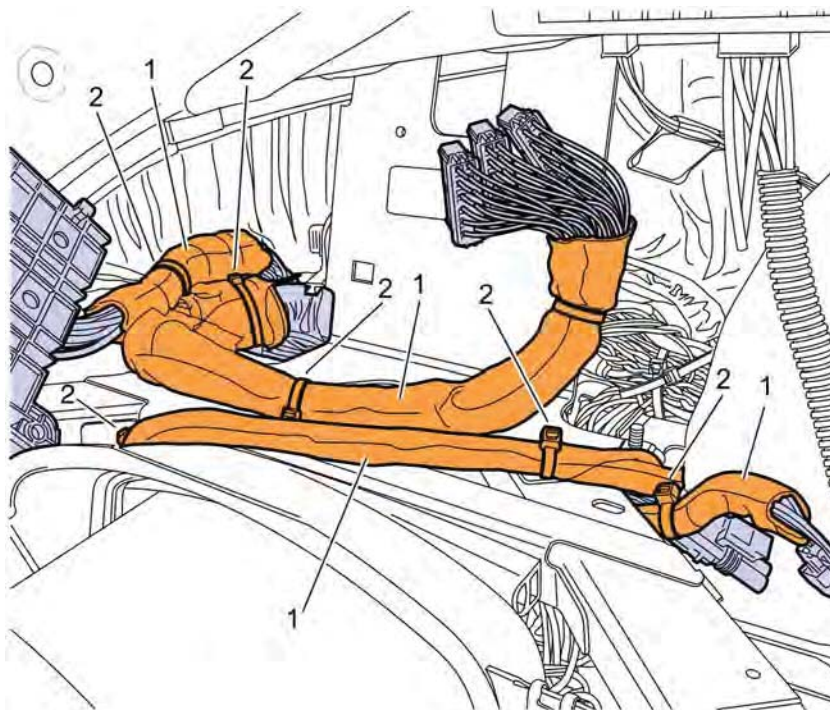
Cab Harness Insulation, Installation CHU, CXU, GU, TD

FSB 371-048, Cab Harness Insulation, Installation

(October 2014)

In some MACK CXU, CHU, GU, and TD trucks built between 01/01/2007 and 10/03/2014, the cab wiring harness may experience chafing in or around the steering column bracket. A self-wrapping insulation kit has been introduced to protect the cab wiring harness from chafing. The kit contains sections of insulation in 50 mm (2.0 in), 25 mm (1.0 in), and 13 mm (.5 in) diameter sizes. The insulation can be cut to desired lengths and wrapped around the harness areas in contact with the steering column bracket. Each section of insulation is secured using cable ties as needed.

Note: This bulletin does not apply to MACK Trucks Australia.



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Required Parts (Cab Harness Insulation, Installation)

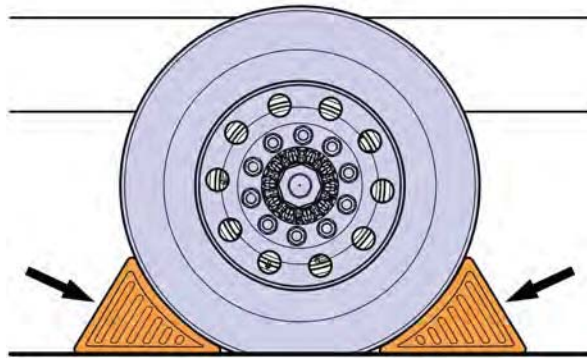
Item	Description	Part Number	Qty
1	Insulation Kit	85144303	1
2	Cable Tie	948211	As Needed

Decommissioning the Truck for Repair

You must read and understand the precautions and guidelines in Service Information, group 30, "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.

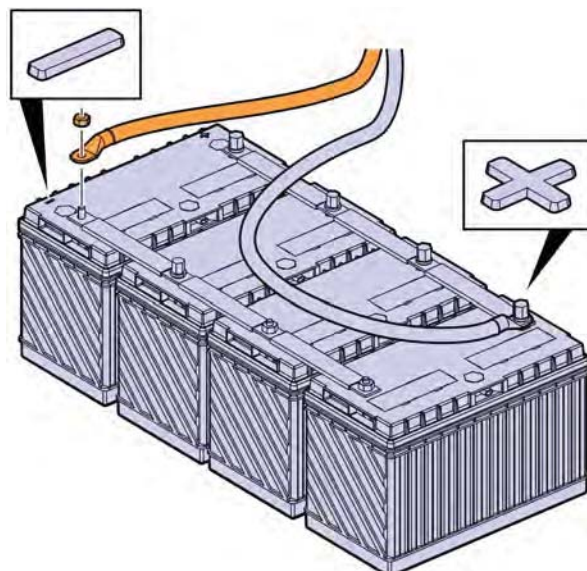
NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

- 1 Park the vehicle on a flat and level surface.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks.



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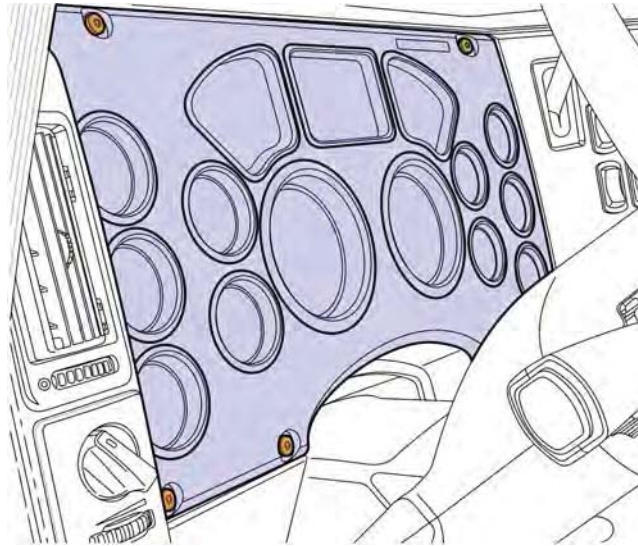
- 5 Disconnect the cable from the battery's negative terminal.



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Cab Harness Insulation Installation (0.5 hrs)

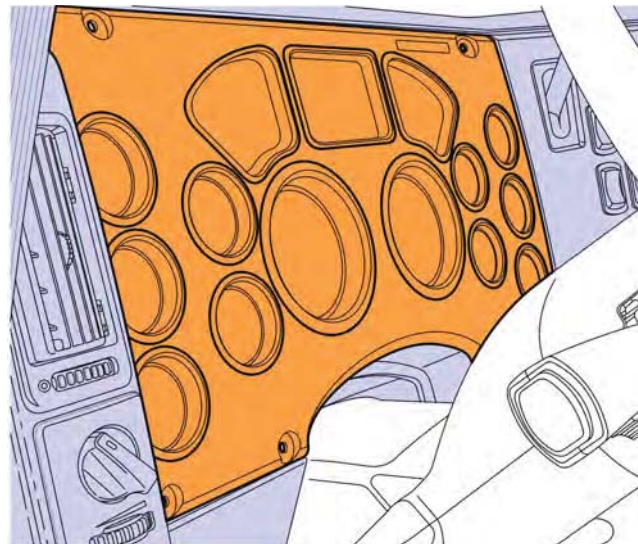
- 1 Remove the instrument cluster fasteners.



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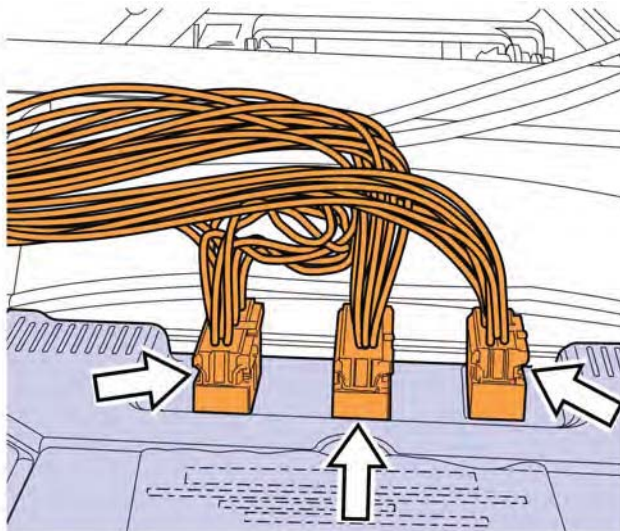
- 2 Remove the instrument cluster.

Note: Store the instrument cluster in a clean and dry area until installation.



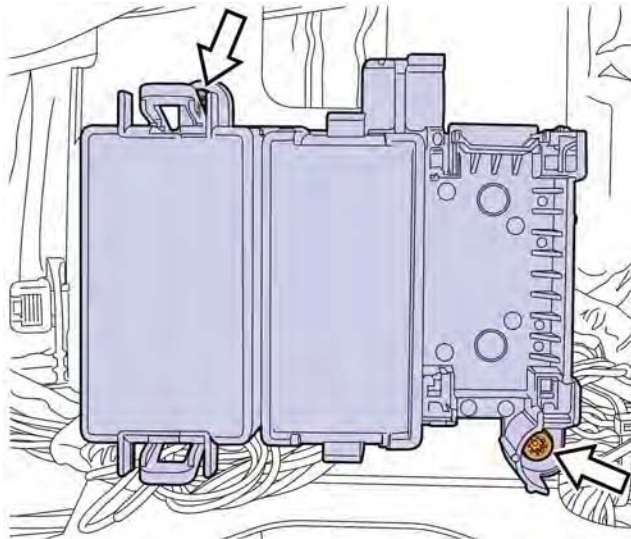
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- 3 Disconnect the harnesses from the instrument cluster.



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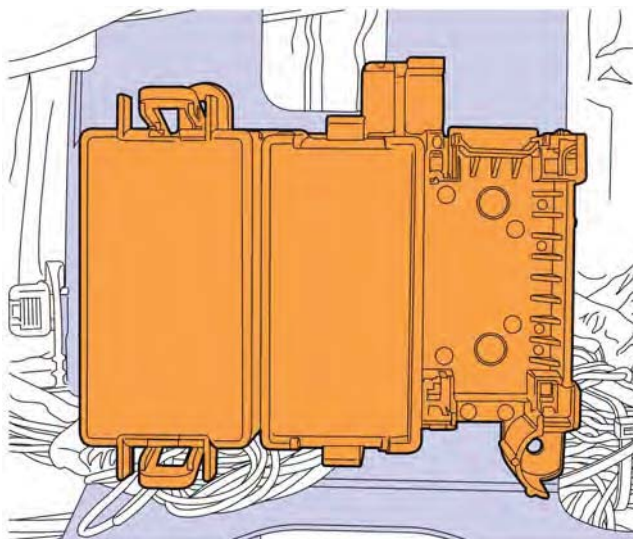
- 4 Remove the fuse block fasteners.



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- 5 Remove and reposition the fuse block.

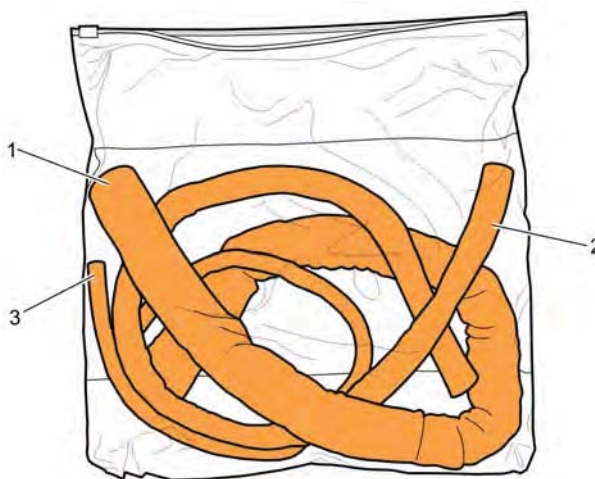
Note: Removal of the fuse block will enable easy access to wiring on the left side of the steering column bracket.



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- 6 Identify the proper diameter of insulation to best cover each harness section.

Note: See the table below for the available insulation diameter sizes.



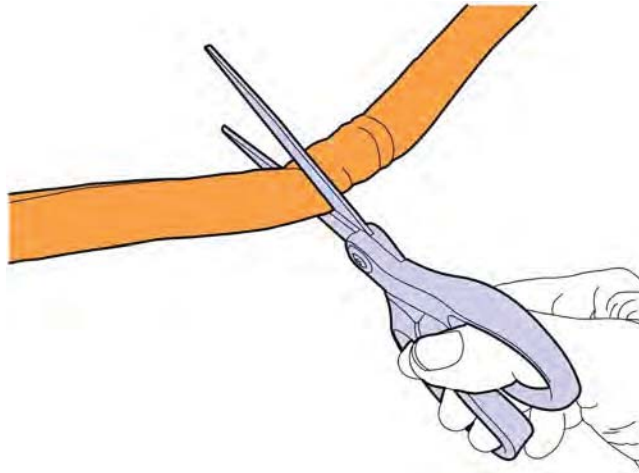
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insulation Diameter Sizes		
Item	mm	(in)
1	50.0 mm	2.0 in
2	25.0 mm	1.0 in
3	13.0 mm	0.5 in

- 7 Using a hot knife or scissors, identify, measure and cut the appropriate insulation section to the proper length.

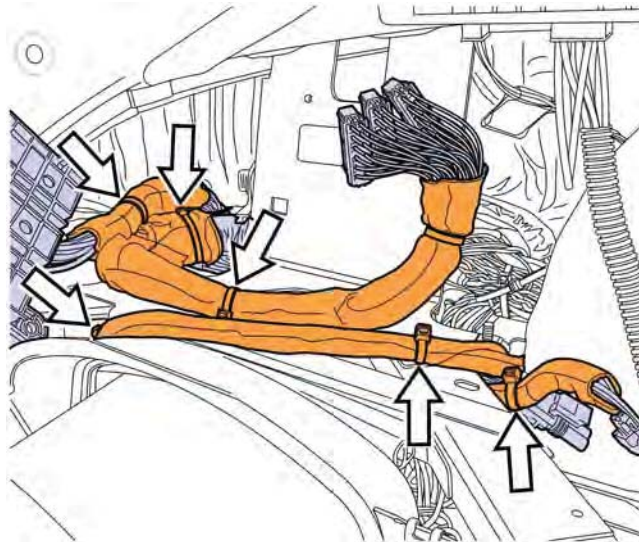
Note: Wear safety glasses while cutting the insulation to size.

Note: The insulation should insulate and cover any section of harness in contact with the steering column bracket.



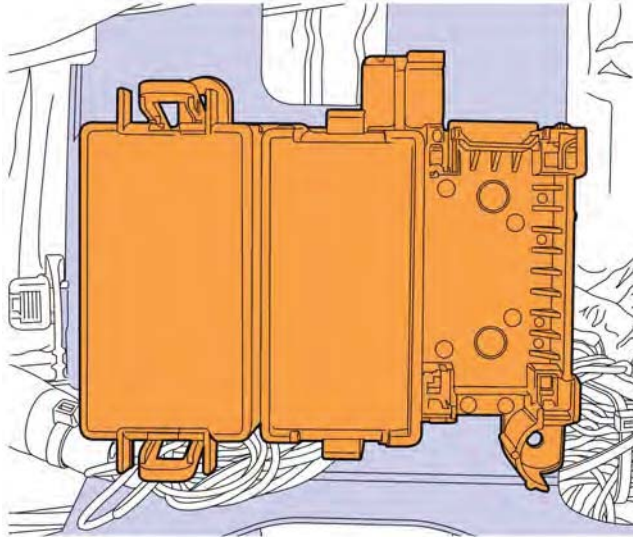
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- 8 Wrap the insulation over the sections of harness in contact with the steering column bracket.
9 Secure the insulation with cable ties as needed.



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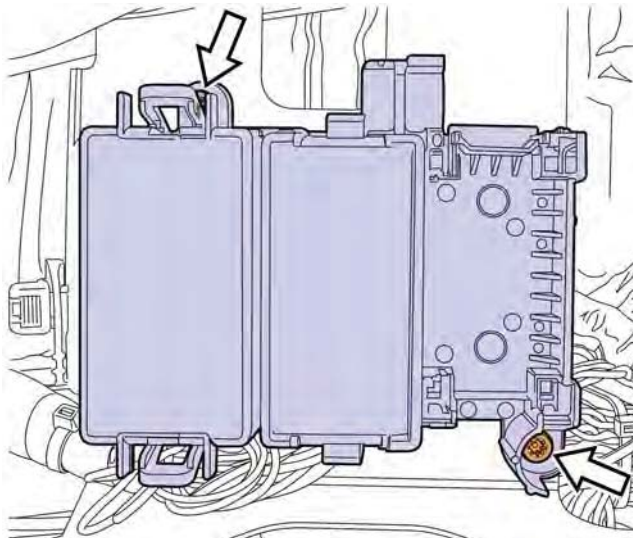
- 10 Repeat steps 7 through 9 until all sections of harness in contact with the steering column bracket are covered.
- 11 Install the fuse block.



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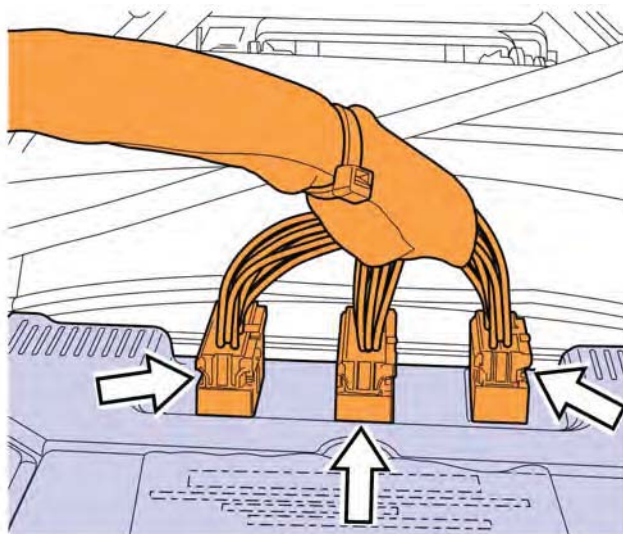
- 12 Tighten the fuse block fasteners to 11 ± 3 Nm (97 ± 26 in-lb).

Note: Do not overtighten the fasteners.



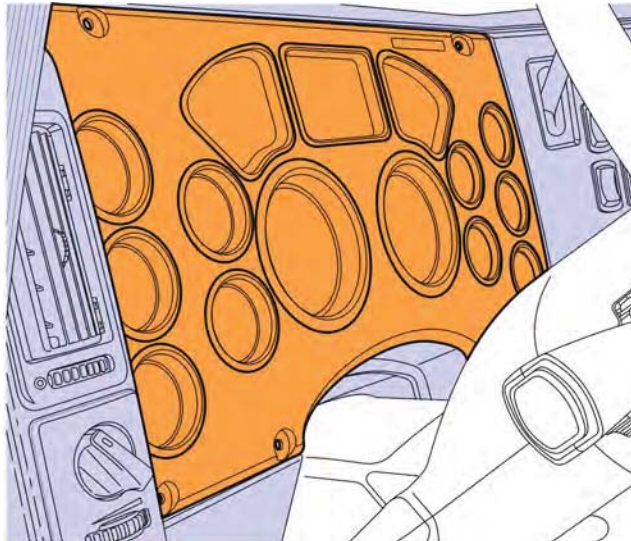
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13 Connect the harnesses to the instrument cluster.



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14 Install the instrument cluster.

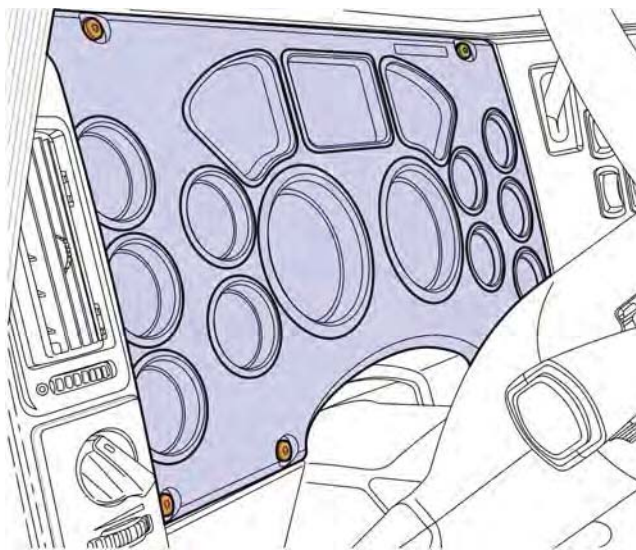


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15 Install the fasteners securing the instrument cluster.

Note: Tighten the fasteners with hand tools only.

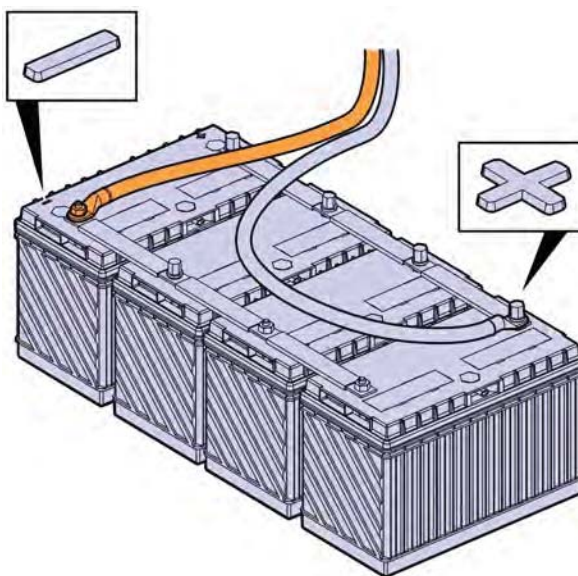
Note: Do not overtighten the fasteners.



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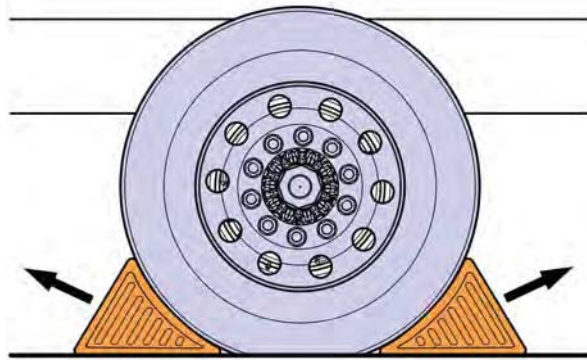
Commissioning the Truck for Operation

1 Connect the battery cable to the negative (ground) terminal.



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2 Remove the wheel chocks.



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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.	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01	01
Labor Code		
Primary Labor Code (Cab Harness Insulation)	3717-02-09-01 0.5 hrs.	7246K-01-80 0.5 hrs.
Causal Part	21962684	21962684

MACK Trucks North America 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.