

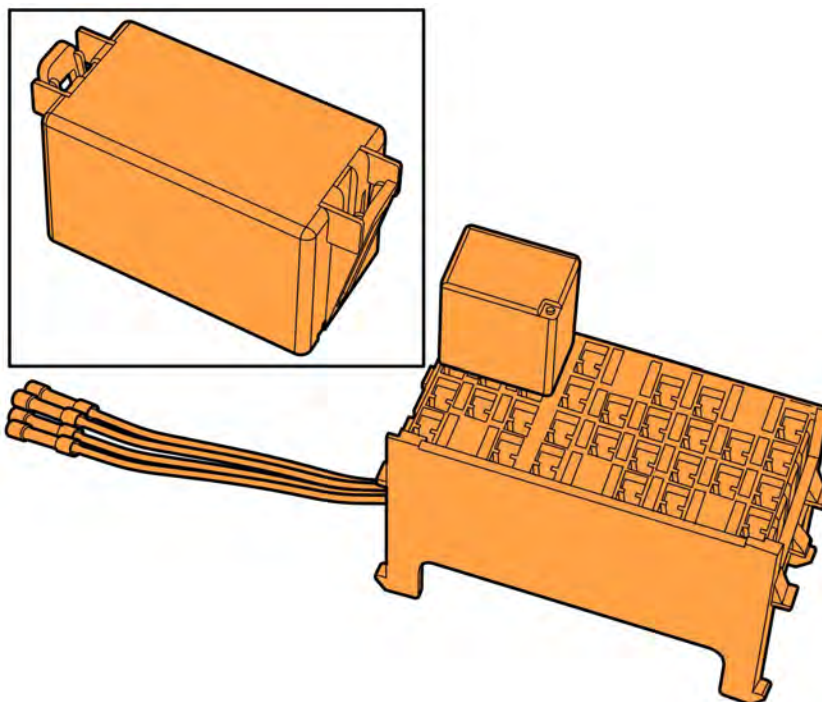
Heater Blower Motor Relay, Replacement LEU

FSB 873-019, Heater Blower Motor Relay, Replacement

(May 2015)

On some MACK LEU trucks built between 10/16/2008 and 9/29/2014, continuous use of the heater blower motor can cause failure of the heater blower motor relay and wire terminals. If the blower motor is inoperable, inspect the fuse block, relay, terminals, and wires. If any component show signs of excessive heat (discolored and melted plastic), the relay block assembly must be replaced with part number 22572078. Additionally, the jumper harness included in kit part number 22572078 will be spliced to the main cab harness.

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



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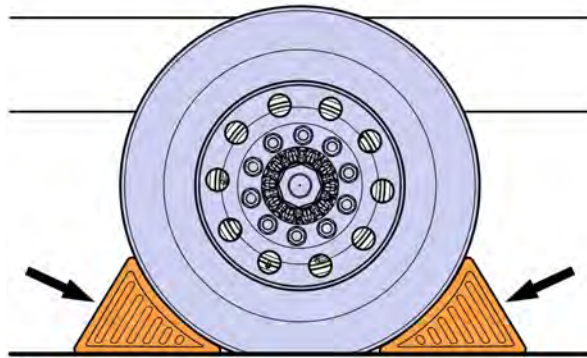
Heater Blower Motor Relay Replacement Parts			
Item	Description	Part Number	Qty
1	Heater Blower Motor Relay Assembly	22572078	1

Decommissioning the Truck for Repair

You must read and understand the precautions and guidelines in Service Information, group 80, "General Safety Practices, Body, Cab, and HVAC" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

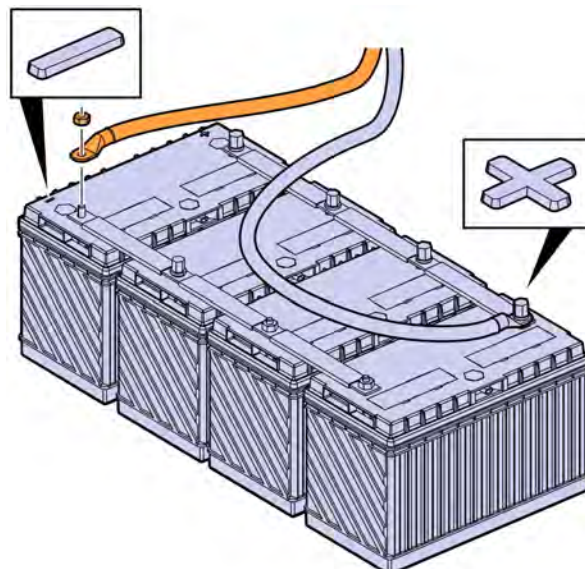
NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

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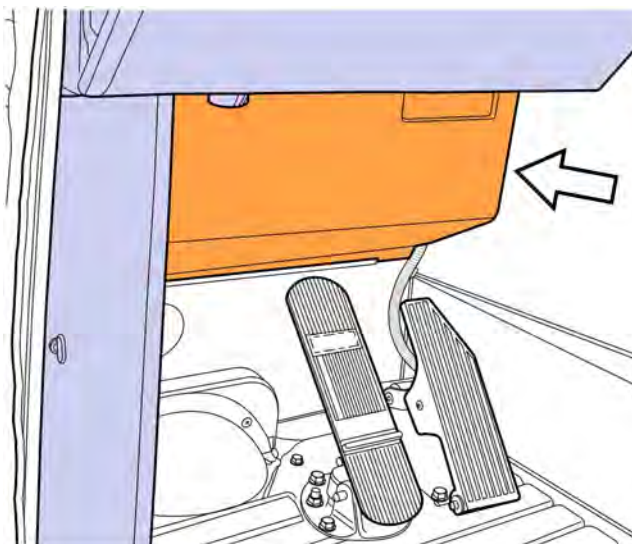
- 5 Disconnect the cable from the battery's negative terminal.



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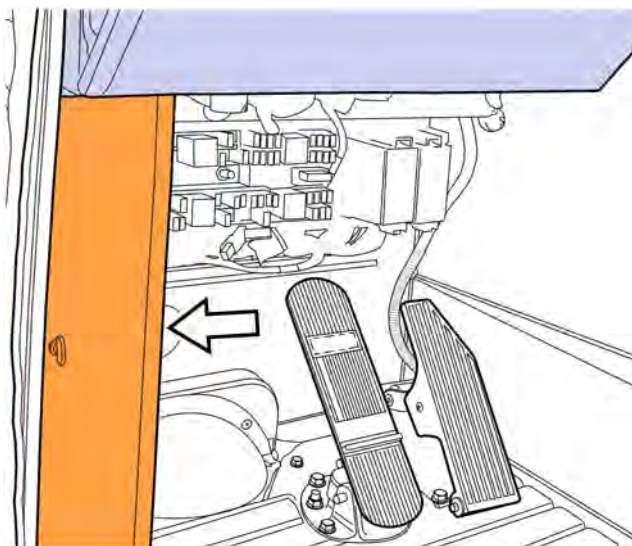
Repair Procedure

- 1 Remove the lower fuse and relay panel.



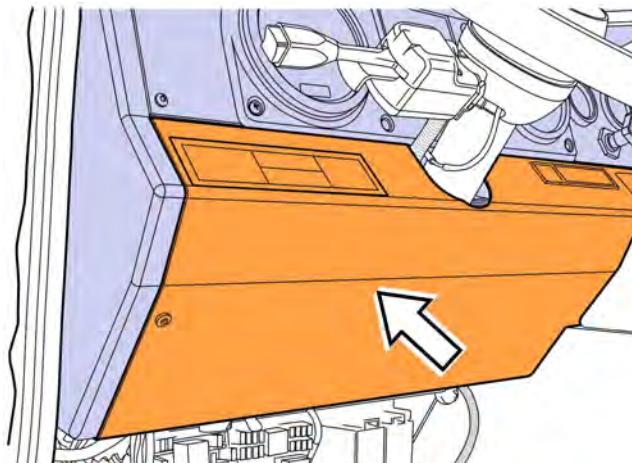
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- 2 Remove the side kick panel.



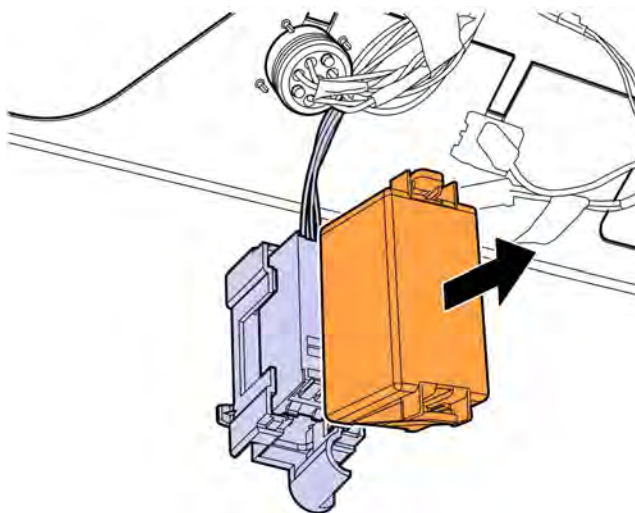
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- 3 Remove the knee bolster panel.



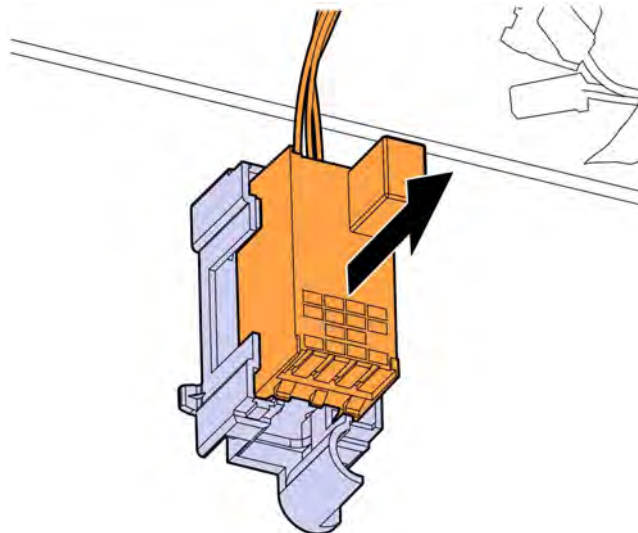
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- 4 Remove the relay block cover.



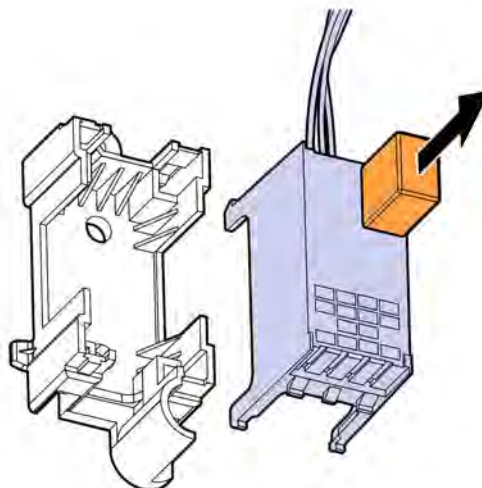
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- 5 Remove the heater blower motor relay block assembly from the knee bolster panel.



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- 6 Remove the relay from the relay block.

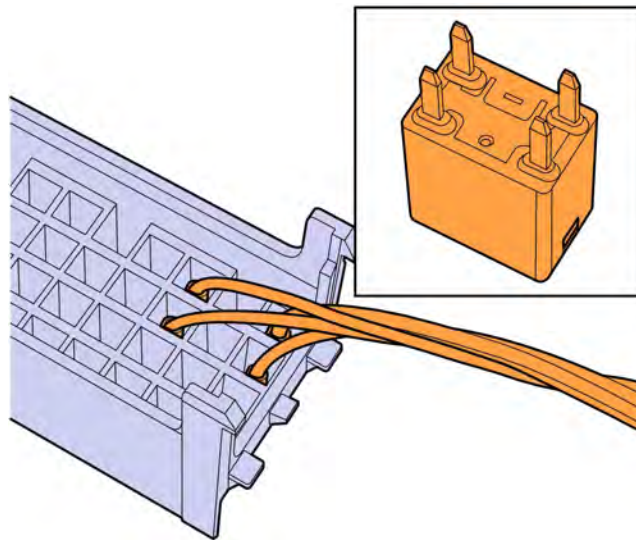


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- 7 Inspect the relay for thermal damage.
- 8 Inspect the relay wiring for thermal damage.
- 9 Inspect the front side, and the back side of the relay block for thermal damage.

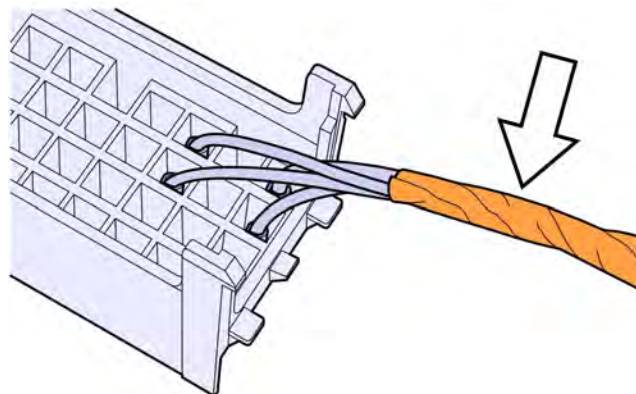
Note: If the relay, relay wiring and or block show signs of thermal damage, proceed to step (10), replace the relay block, relay, and jumper wiring with (part number 22572078).

Note: If the relay, relay block and wiring show no signs of damage, no further action is required. Skip to step 20.



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- 10 Note and mark the orientation of the (4) wires going to the existing relay block as it corresponds to the terminals of the relay.
- 11 Remove tape from the cab harness as needed.

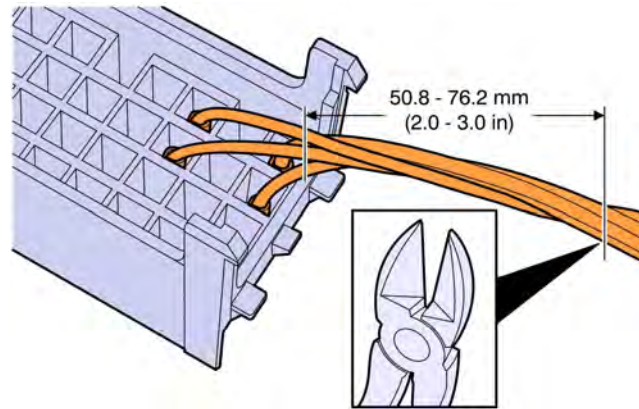


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12 Cut the relay block wiring 50.8 - 76.2 mm (2.0 – 3.0 in) away from the relay block.

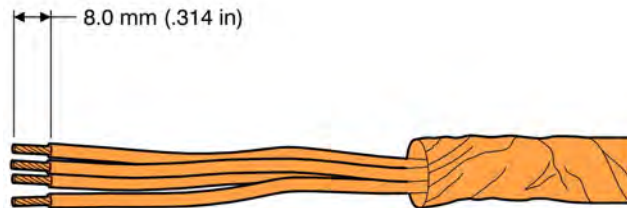
Note: If there is thermal damage to the cab harness wiring, cut and remove any damage wiring from the cab harness.

Note: Discard the damaged relay block and harness wiring.



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13 Strip each of the cab harness wires approximately 8.0 mm (0.314 in).

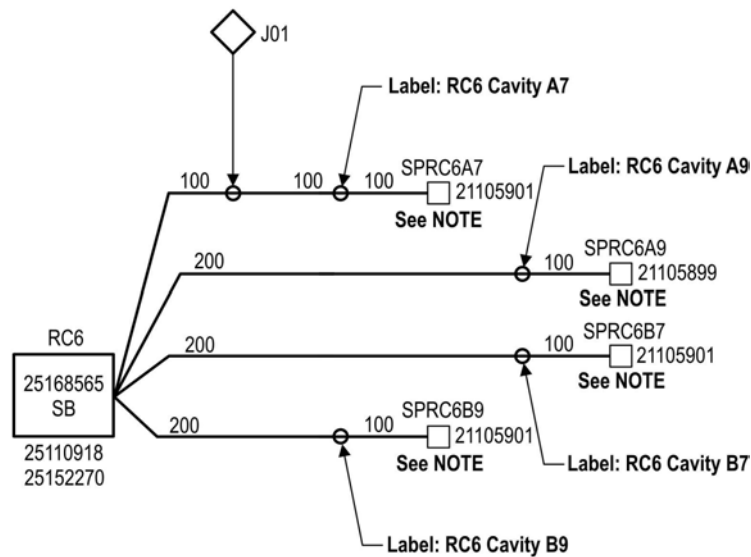


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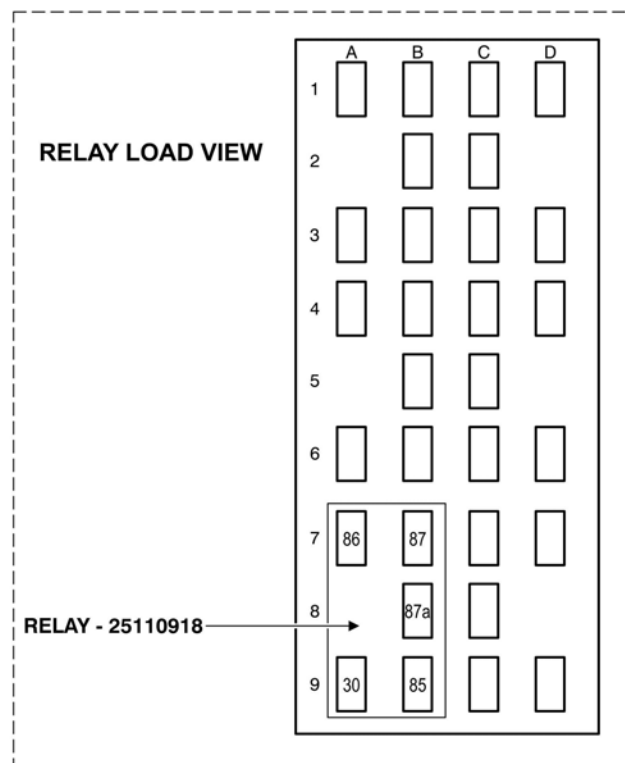
14 Remove the cover from the replacement relay jumper assembly (part number 22572078).

15 Using the wiring diagrams below, identify the proper wiring sequence for the jumper harness and cab harness.

Note: Ensure both ends of the butt splice are heated after the jumper is spliced to the main cab harness.

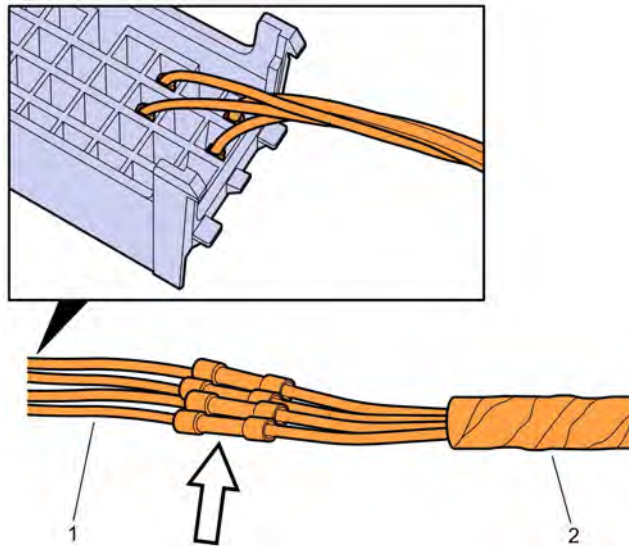


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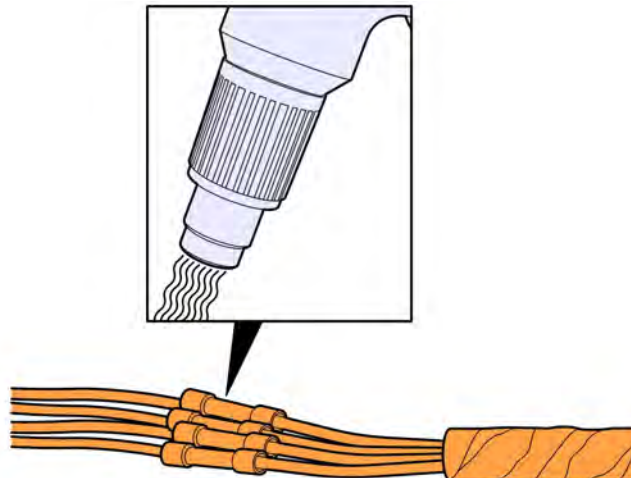
16 Using a proper crimping tool, crimp the relay block (1) jumper to the cab harness (2).



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17 Using a heat gun, heat shrink the wire splices.

Note: To ensure the splices are heat shrunk properly, heat the splices until glue or resin appears at the end of the splices.

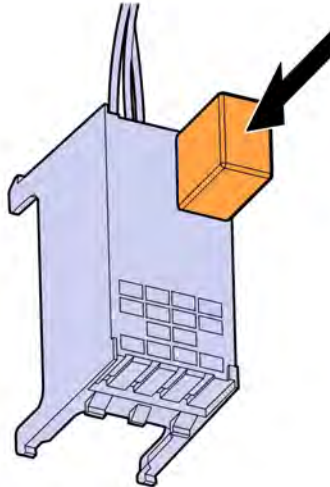


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18 Tape the jumper and cab harness as needed.

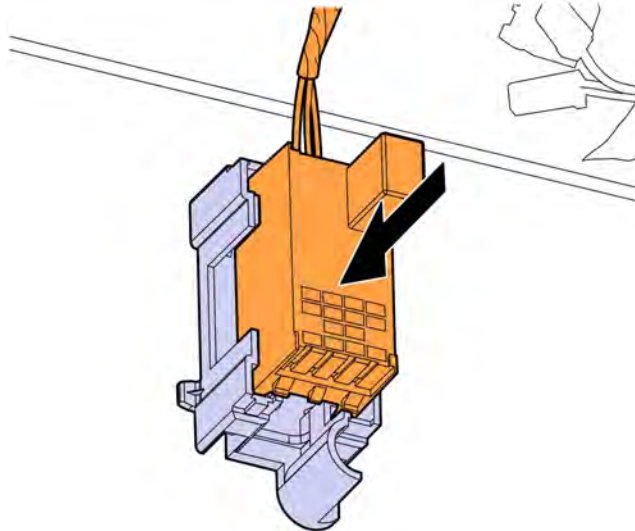
19 Secure the jumper and cab harness with cable ties as needed.

20 If applicable, install the relay to the relay block.



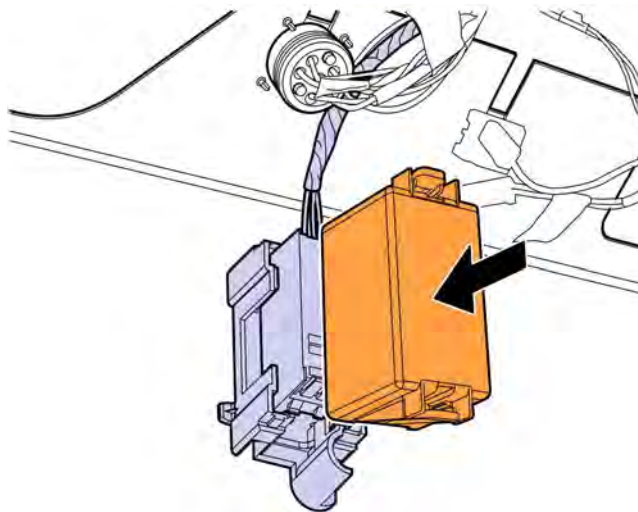
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21 Install the blower motor relay block assembly to the knee bolster panel.



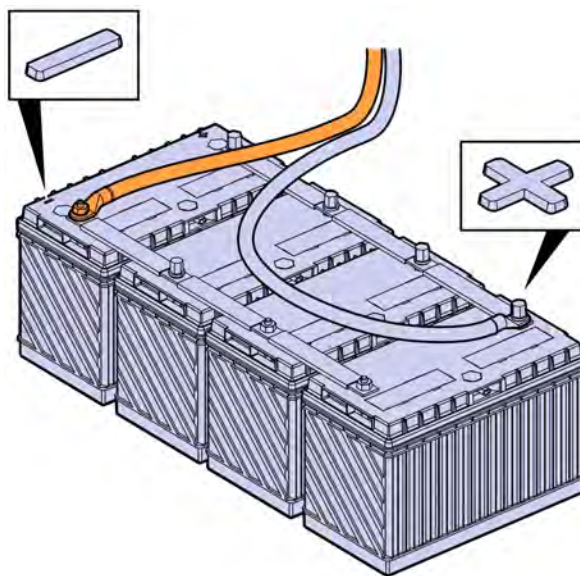
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22 Install the relay jumper assembly cover.



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

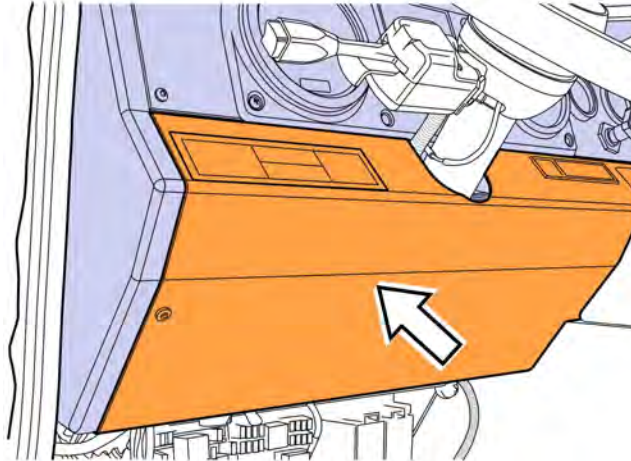


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24 Check the blower motor for proper operation.

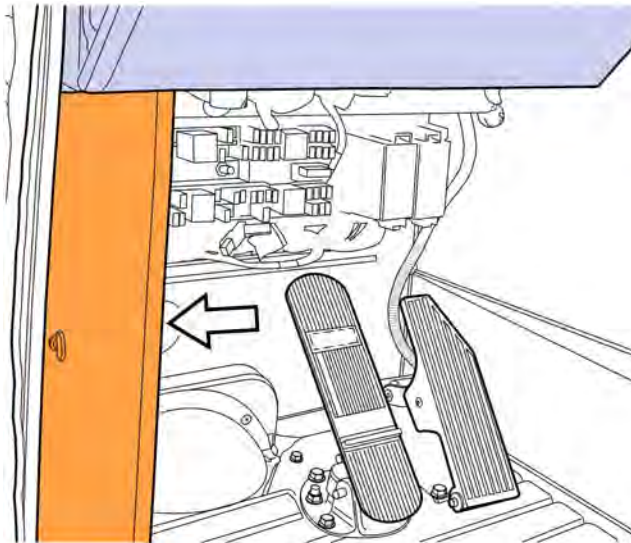
25 Position and install the knee bolster panel.

Note: Use hand tool to tighten panel fasteners. Do not overtighten fasteners.



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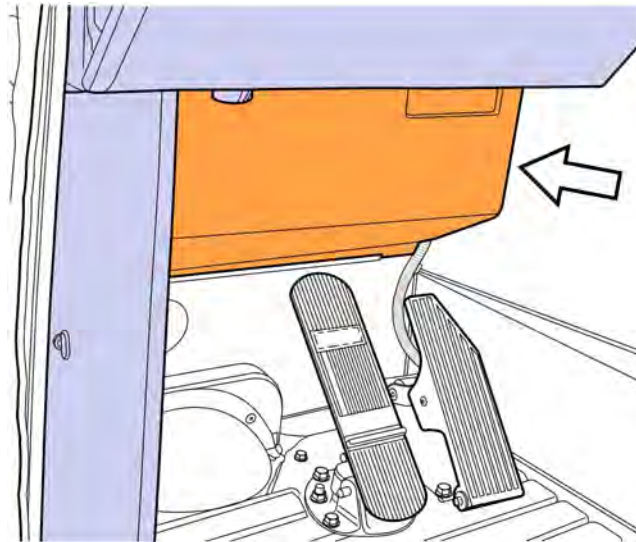
26 Position and install the side kick panel.



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27 Position and install the lower fuse and relay panel.

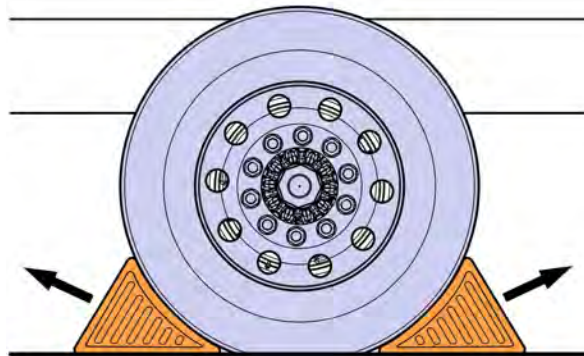
Note: Use hand tool to tighten panel fasteners. Do not overtighten fasteners.



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Commissioning the Truck for Operation

1 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.	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01	01
Labor Code		
Primary Labor Code (Heater Blower Motor Relay, Replacement)	8733-03-09-01 1.0 hrs.	7264A-ZV-80 1.0 hrs.
Causal Part	22116484	22116484

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.