



**Mack Trucks, Inc.**  
Greensboro, NC USA

# Field Service Bulletin Trucks

Date	Group	No.	Release	Page
6.2013	<b>873</b>	<b>015</b>	<b>01</b>	1(15)

A/C Blower Motor Failure  
CHU, CXU, GU, TD

## FSB 873-015, A/C Blower Motor Failure

(June 2013)

Certain CHU, CXU, GU, and TD vehicles may experience issues with premature blower motor failure due to excessive moisture in the climate unit. Mack Trucks Inc. has developed improvements to the system to reduce the amount of moisture pulled into the climate unit. Follow the procedure outlined in this document to address trucks with concerns of blower motor failures due to moisture.

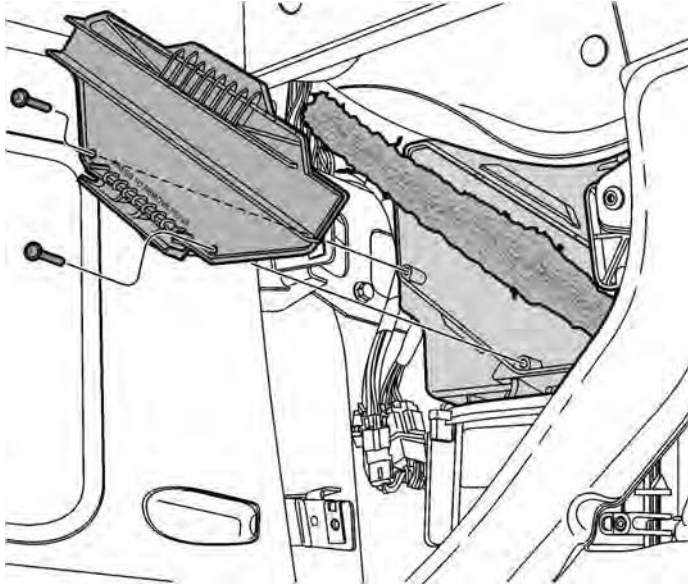
### Required Parts

Description	Quantity	New Part Number	Old Part Number
RTV Sealant	1		
Duct, Inlet	1	82731567	25174965
Duct, Inlet	1	82732979	25102087
Duct, Inlet	1	82732980	25172867
Rubber hose 19.5 mm (0.77 in) ID x 27.5 mm (1.08 in) OD or equivalent	3.7 meters (12 feet)		

## Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 8, "General Safety Practices, Cab" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

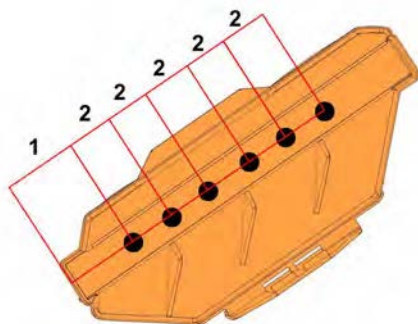
- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.
- 2 Disconnect the negative battery cable first then disconnect the positive battery cable or turn the battery disconnect switch to the "OFF" position (if equipped).
- 3 Remove the passenger side lower kick panel to gain access to the climate unit..
- 4



W8056454

Remove the filter cover.

5



W8079747

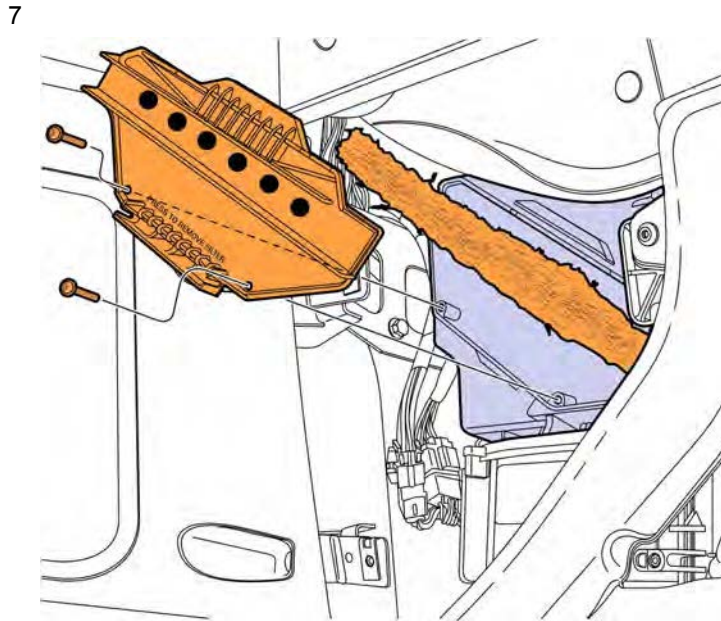
From the left edge of the filter cover, measure and mark hole 1 at 51 mm (2 in.). Starting from the center-point of hole 1, mark the remaining holes (2) at 32 mm (1.25 in) intervals.

6 On the filter cover, drill holes at the marked locations.

**Note:** To locate the hole, start drilling from the front side of the cover. Complete the drilling from the rear.

**Note:** The hole size should be 7/8 inch minimum and one (1) inch maximum.

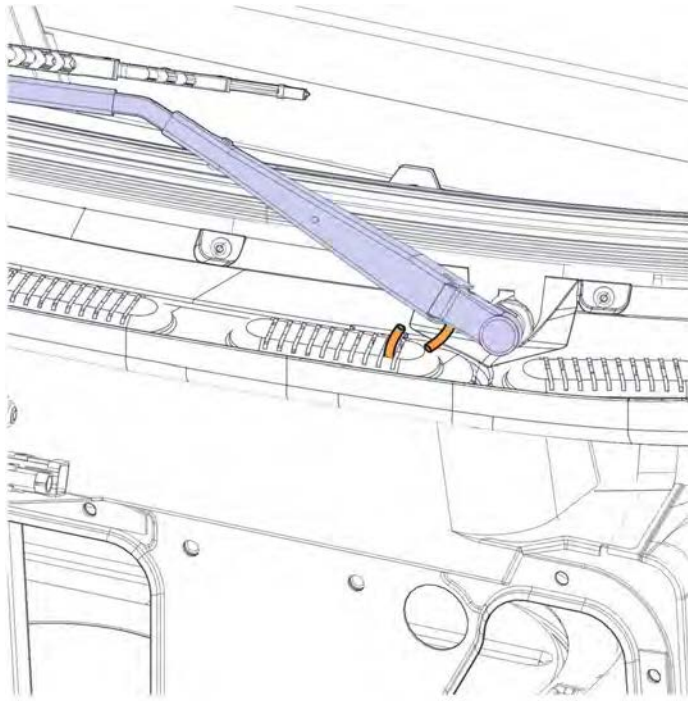
**Note:** MACK recommends using a unibit step drill bit.



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- Install the filter cover. To avoid stripping the plastic housing, hand tighten only.
- 8 Install the lower kick panel. To avoid stripping the fasteners or nuts, hand tighten only.

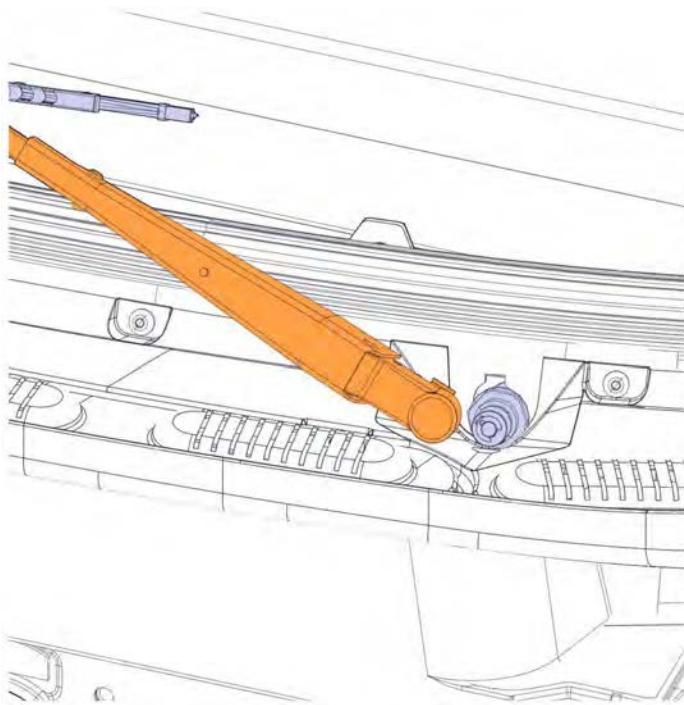
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W3071687

- Disconnect the windshield washer fluid hose for the wiper arm spray nozzle.
- 10 Pull the wiper arms away from the windshield to allow the release tab to be accessed.

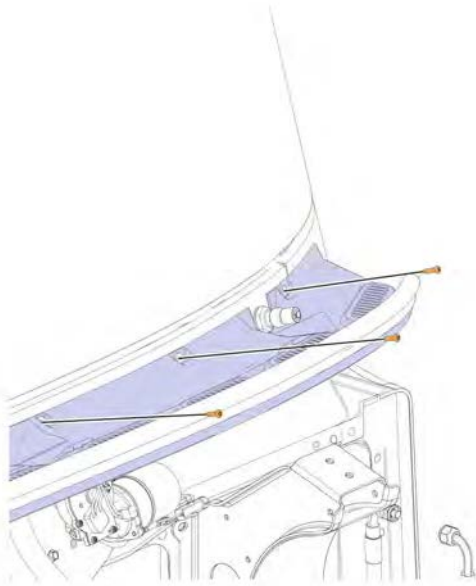
11



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Remove the windshield wiper arms from the transmission stud.

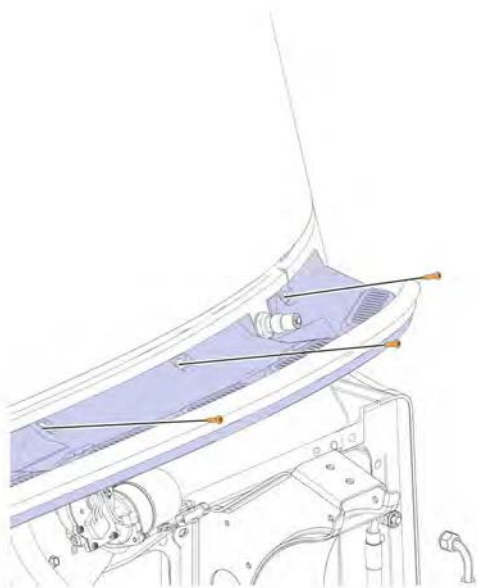
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W8079390

- Remove the inlet duct fasteners.
- 13 Remove the inlet duct and discard.
  - 14 Clean and remove any excess sealant from the cab.

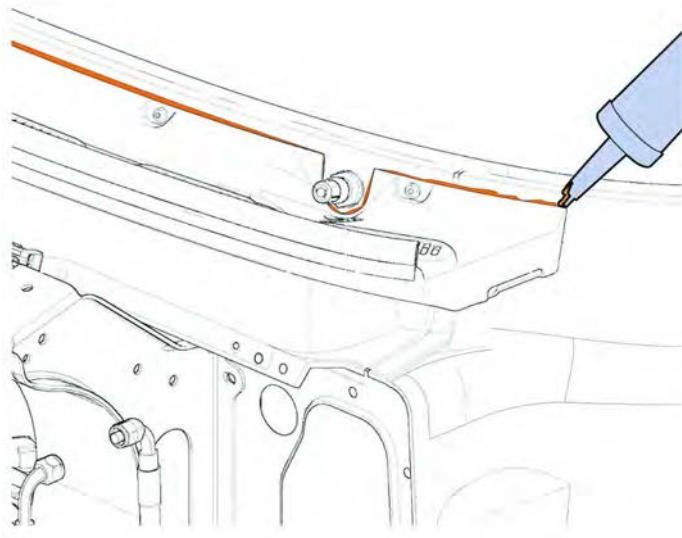
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W8079390

Install the inlet duct. To avoid stripping the fasteners or sheet metal hand tighten only.

16



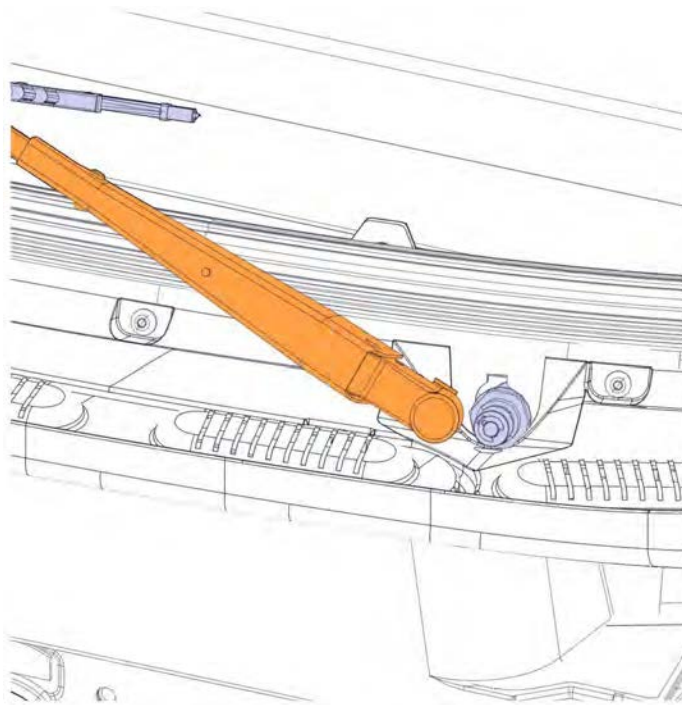
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Across the top of the inlet duct, between the inlet duct and windshield, apply a bead RTV.

**Note:** On the inlet duct, be sure to apply RTV around the U-shaped cutouts for the wipers.

17 Install and route the windshield washer fluid supply hose to the inlet duct shelf.

18



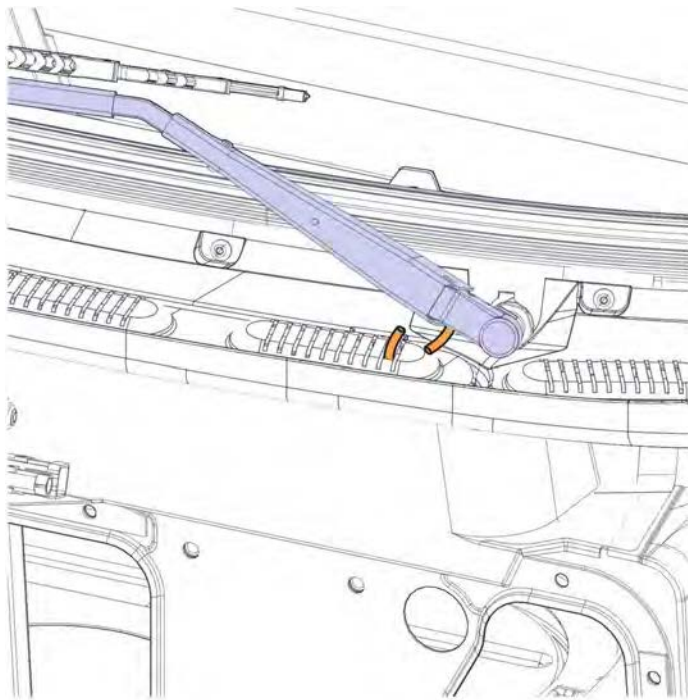
W3071688

Install and align the wiper arms on the splined studs of the wiper transmission.

**Note:** Ensure that the wiper motor is in the parked position before installing the wiper arms.

**Note:** Ensure that the release tab engages before putting the wiper arms back at rest against the windshield.

19

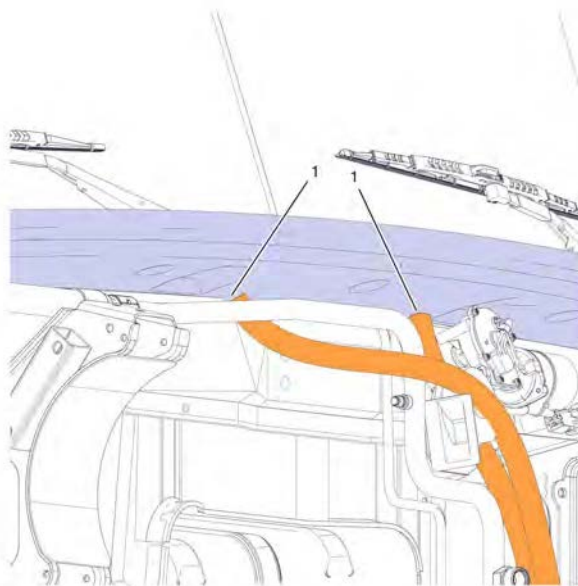


W3071687

Connect the windshield washer fluid hose to the wiper arm sprayer nozzle.

20 Cut two sections of hose. Cut one hose to approximately 1.20 meter (4 ft). Cut the other hose to approximately 1.82 meter (6 ft).

21

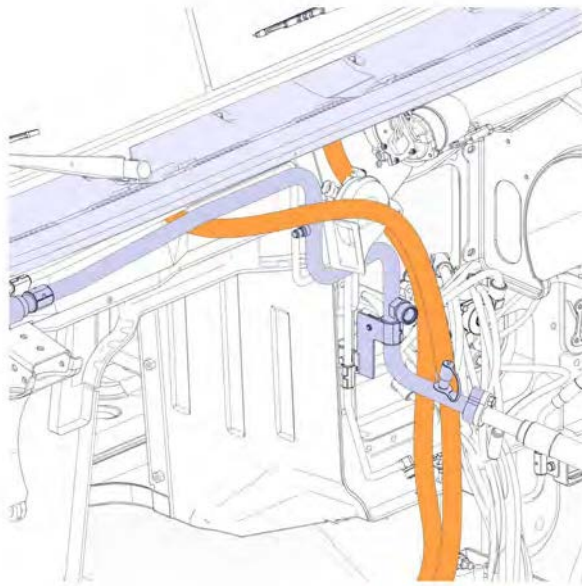


W8079391

1 — Inlet duct Shelf Tubing Installation

Install hoses to the inlet duct shelf with nylon zip ties.

22



W8079392

Route both the inlet duct drain hoses between the wiper motor and the horn. Then route them following the A/C lines to the main airbundle. Final routing is downward towards to the ground on the outside of the fender rail. The tubes drain in front of the driver's side splash shield. The hose routing can be secured with zip ties.

**Note:** Due to varying vehicle configurations ensure that the hoses are not draining near or on any electrical components.

23 Close the hood and latch.

24 Connect all previously removed cables to the negative (ground) battery terminals. Tighten to  $20 \pm 2$  Nm ( $15 \pm 1.5$  ft-lb). Install the battery box cover.

**Reimbursement**

<b>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.</b>	
<b>Claim Type (used only when uploading from the Dealer Bus. Sys.)</b>	W
<b>Labor Code</b>	
Primary Labor Code	6374C-ZM-80 1.4 hrs.
<b>Causal Part</b>	20421650

Volvo Trucks North America engages in a continuous program of testing and evaluating to provide the best possible product. Volvo Trucks North America, however, is not committed to, or liable for updating existing chassis.