



(Does not apply to Mack Trucks Australia)

Date
8/19/09

Number
SC0338

Page
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Haldex Quick Release Valve

MRU, LEU

SC0338, Haldex Quick Release Valve

(August 2009)

Vehicles affected by this recall may have a quick release valve containing a rubber diaphragm that may delaminate and cause an air leak past/or through the diaphragm, or cause a restriction or blocking of the air flow, thereby affecting pressure delivery or release to the foundation brakes.

Approximately 338 vehicles are involved in this recall.

The vehicles will have quick release valves (QRV) located in several different places, depending on the make and model of the vehicle. The quick release valves requiring replacement are the Haldex brand (part number 20QE4179M) that is located on the front crossmember on the LEU model (see figure 1) and behind the transmission on the MRU model (see figure 2).

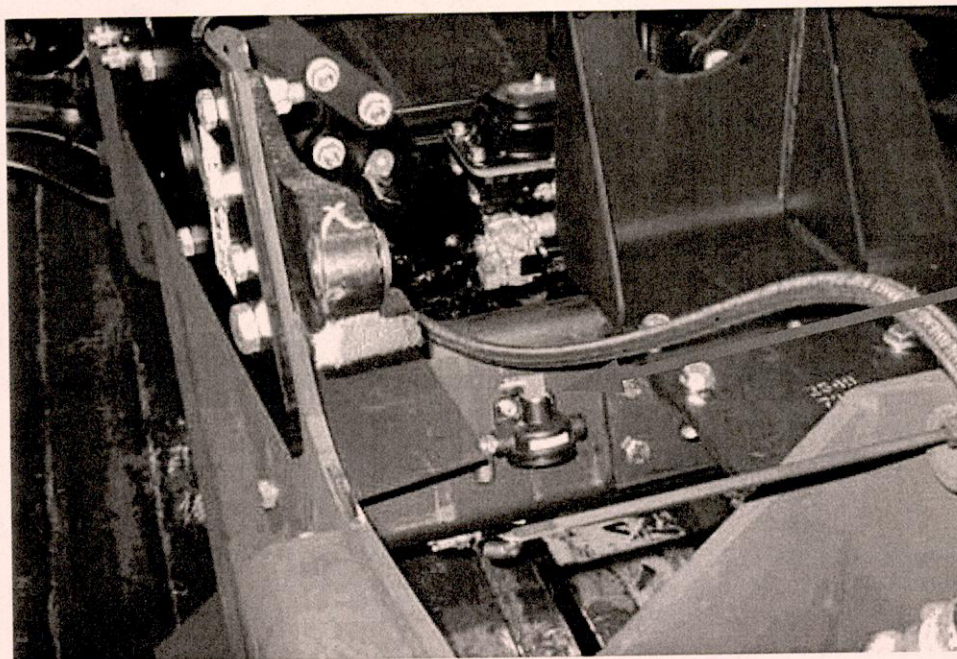


Figure 1 — Typical QRV installed on LEU model on front crossmember

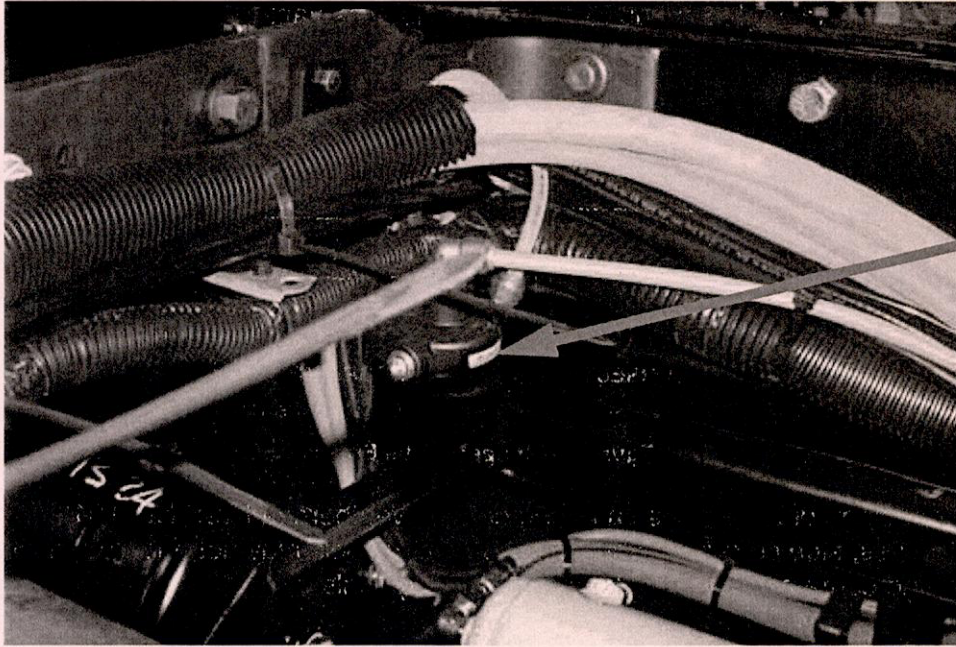


Figure 2 — Typical QRV installed on MRU models on left side behind transmission, just above cooling tank.

Prodedure:

⚠ WARNING

Block vehicle wheels. Take proper precautions when working with compressed air. Drain all air pressure from the air system and wear safety glasses beginning any service.

1. Locate the QRV(s) on the vehicle.
2. Remove all hoses from the Supply and Delivery ports of the valve. Mark/identify hoses as they are removed to assure proper reassembly.
3. Remove the bolts holding the QRV to the vehicle and remove the valve from the vehicle.
4. Remove the fittings one at a time and thread them into the appropriate port of the new QRV.

NOTE

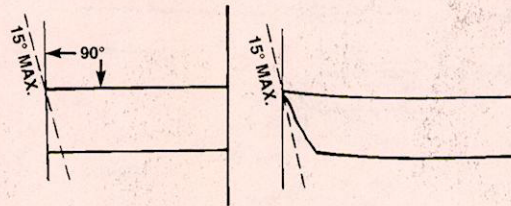
Lightly coat the threads of the new fittings with a PTFE (Teflon) thread sealant before installation. Do NOT use Teflon tape!

NOTE

The removed quick release valve must be destroyed.

5. Install the QRV onto the vehicle reusing the hardware.
6. Install the vehicle air hoses into the appropriate push-to-connect fitting on the valve.

Before connecting the air lines, inspect the ends of the tubes. The tube end should have a square (90-degree), clean cut edge. (An angled cut up to 15 degrees is acceptable.)



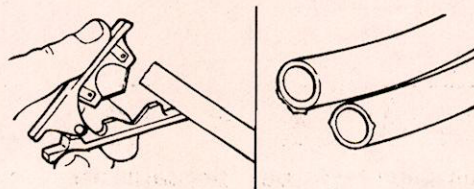
CORRECT

INCORRECT

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Figure 3 — Inspect Tube End

If the tube end is not clean or square, use a tubing cutter (Weatherhead part No. T919 or equivalent) to cut the tube. Dull knives, side cutters or other types of cutting tools may not ensure a good, clean cut. Burrs, oval tubing and contamination can damage the fitting seals.



CORRECT

INCORRECT

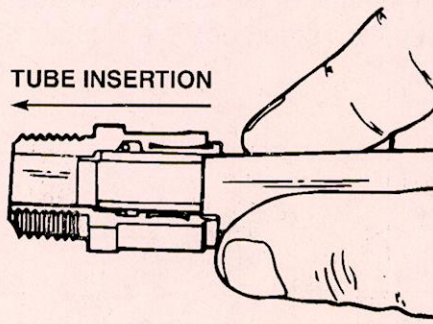
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Figure 4 — Use a Tubing Cutter for Proper Cut Edge

When installing the tube, it must be fully inserted straight into the fitting until it stops. Always protect against contaminants in the cartridges and fittings during assembly.

NOTE

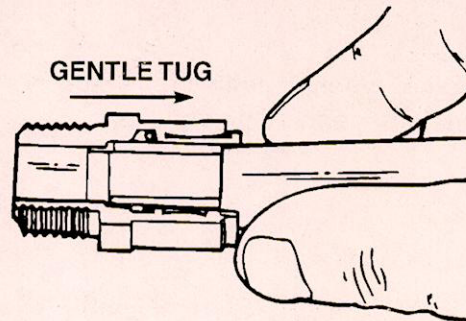
DO NOT use detergent, soap and water or similar types of solutions as a lubricant when installing the tube.



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Figure 5 — Inserting Tube

After the tube has been fully inserted, gently tug on the tube to ensure that it is secure in the fitting.



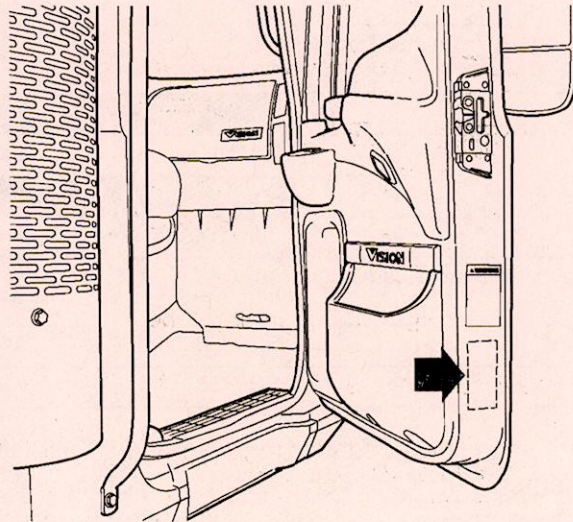
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Figure 6 — Ensure Tube is Secure

7. Verify that all connections are tight. Pressurize the air system and check the connections for leaks. Check the brake system for proper operation before driving the vehicle. Road test the vehicle.

NOTE

To signify that the campaign has been completed, use a permanent-type marker (such as a Sharpie®) to write the campaign number (SC338) 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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Parts Required:

QTY	Part Number	Designer
1	20QE4179M	Quick Release Valve

Removed Parts:

The removed valve is to be destroyed.

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 repaired per instructions	2-Modified per instructions
Labor Code	
Primary Labor Code	5332DKA95 0.4 hr
Time to take charge of vehicle and determine campaign status	101AA 0A 00 — 0.3 hr.
Causal Part	SC0338
Authorization No.	SC0338

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.