



Great Dane Trailers

A Division of Great Dane Limited Partnership

June 8, 2009

09V-199

Ron Halley
Senior Manager, Linehaul Maintenance
Fedex Ground Package System, Inc.
1000 FedEx Drive
Moon Township PA 15108

RE: Haldex Quick Release Valve N50009A

Dear Ron:

This Notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Great Dane Trailers has decided that a defect that relates to motor vehicle safety exists in certain vehicles based on information provided by Haldex Brake Products Corp.

The defect exists in certain air brake system control valves, i.e. Quick Release Valves (QRV), that were utilized in some heavy duty, commercial vehicle braking system applications. The rubber diaphragm used inside the QRV valves may delaminate and may cause leakage levels past and/or through the diaphragm in excess of permissible specifications, or could cause a restriction in the air flow, thereby effecting pressure delivery to the foundation brakes. This increase in leakage levels or the air line restriction could affect the performance of the vehicle's braking system which could lead to a vehicle crash if the precautions and observations noted below are not recognized.

To remedy this defect, Haldex Brake Products Corp. is replacing all effected QRVs at no charge, and will also reimburse the associated labor cost required to complete the necessary replacement/changeout actions.

There are precautions that you can take to detect a degradation in the performance of the vehicle's braking system. These precautions include the observation and detection of air pressure leakage from the QRV, especially if the leakage levels are significant. In addition, higher leakage incidence is detectable or noticeable by unusual or prolonged air compressor run time, air pressure dash gage readings (if so equipped), low pressure warning, and observation of dragging drive axle / trailer axle spring brakes. It should be noted that air pressure dash gages and low pressure warning indicators are basic requirements of a commercial vehicle air brake system. In addition, pre-trip inspections and driver walk-around inspections could be effective in detecting unusual air system leakage conditions.

The subject population of QRVs was manufactured at the Haldex Iola, Kansas facility from May 27, 2008 through October 15, 2008, with production date codes of 148 through 289. QRV inspections should be conducted in accordance with the required Inspection criteria, as identified in Attachment # 2.

Note: not all QRVs should be replaced. Only those QRVs that were identified to be manufactured during the suspect timeframe should be replaced.

Replacement of Suspect Parts:

If the QRV has been inspected for identification and confirmed to have been manufacture during the suspect timeframe, the QRV should be removed and replaced in accordance with the Replacement Instructions, as identified in Attachments # 3A & 3B. QRV replacement should be completed in approximately one half hour.

Availability of Replacement Parts:

Replacement QRVs have been obtained and are currently available. QRVs will be provided without charge as soon as requests for parts have been received from dealers and/or other service facilities.

Requests for replacement QRVs should be directed to:

Terri Stewart
TerriL.Stewart@Haldex.com
Phone: 620-365-6911 ext 1357
Fax: 816-801-2993
Haldex Brake Products Corp.
2702 N. State Street
Iola, Kansas 66749

Removed Parts Disposition:

All removed and replaced QRVs should be returned to Haldex (i.e. Iola, Kansas facility), or the dealer and/or other service facility must provide evidence of destruction.

NHTSA Notification:

If it is believed that Haldex Brake Products Corp. has failed or is unable to remedy the subject QRV problem without charge within a reasonable time, a complaint may be submitted to :

Administrator
National Highway Traffic Safety Administration
1200 New Jersey, S.E.
Washington, D.C. 20590

Or call the toll free Vehicle Safety Hotline at 1-888-327-4236 (1-800-424-9153)

Or go to <http://www.safercar.gov>

In conclusion, Great Dane Trailers and Haldex sincerely regrets any inconvenience that this request and associated actions may have caused you, and appreciates your consideration and cooperation in completing the required actions.

Sincerely,

Barry A. Mitchell
Director, Customer Service/Warranty

/bam

Enclosures

Dollie VIN's

1GRER181 X 9K206643	602275
1GRER181 1 9K206644	602276
1GRER181 3 9K206645	602277
1GRER181 5 9K206646	602278
1GRER181 7 9K206647	602279
1GRER181 9 9K206648	602280
1GRER181 0 9K206649	602281
1GRER181 7 9K206650	602282
1GRER181 9 9K206651	602283
1GRER181 0 9K206652	602284
1GRER181 2 9K206653	602285
1GRER181 4 9K206654	602286
1GRER181 6 9K206655	602287
1GRER181 8 9K206656	602288
1GRER181 X 9K206657	602289
1GRER181 1 9K206658	602290
1GRER181 3 9K206659	602291
1GRER181 X 9K206660	602292
1GRER181 1 9K206661	602293
1GRER181 3 9K206662	602294
1GRER181 5 9K206663	602295
1GRER181 7 9K206664	602296
1GRER181 9 9K206665	602297
1GRER181 0 9K206666	602298
1GRER181 2 9K206667	602299
1GRER181 4 9K206668	602300
1GRER181 6 9K206669	602301
1GRER181 2 9K206670	602302
1GRER181 4 9K206671	602303
1GRER181 6 9K206672	602304
1GRER181 8 9K206673	602305
1GRER181 X 9K206674	602306
1GRER181 1 9K206675	602307
1GRER181 3 9K206676	602308
1GRER181 5 9K206677	602309
1GRER181 7 9K206678	602310
1GRER181 9 9K206679	602311
1GRER181 5 9K206680	602312
1GRER181 7 9K206681	602313
1GRER181 9 9K206682	602314
1GRER181 0 9K206683	602315
1GRER181 2 9K206684	602316
1GRER181 4 9K206685	602317

Attachment
2

service Bulletin



Haldex Quick Release Valve Date Code Identification

The specification used by Haldex to identify Quick Release Valves defines a six (6) character alpha numeric date code. The first three (3) digits indicate the Gregorian Calendar day of the year. The fourth alpha character indicates the production shift. The fifth digit indicates the last number of the year of manufacture. The last alpha character indicates the manufacturing location.

The Date Code on the
Haldex QRV Valve shown
here indicates:

Gregorian Date -183 (July 1st)

Shift - A (First Shift)

Year - 8 (2008)

Location - K (Iola, Kansas)



Shift and Location indicators used by Haldex on Quick Release Valves:

Shift	Location	
A = First	A = Apodaca, Mexico	M = Grand Haven, Michigan
B = Second	B = Blue Springs, Missouri	N = Marion, North Carolina
C = Third	C = Lang Fang, China (ASIMCO)	S = Landskrona, Sweden
	G = Heidelberg, Germany	T = Paris, Tennessee
	H = Hungary	U = Redditch, U.K.
	K = Iola, Kansas	Z = Suzhou, China

Haldex Commercial Vehicle Systems

Haldex Brake Products Corporation
10030 N. Penoma Avenue
Kansas City, MO 64153
Phone: 816-891-2470
Fax: 816-891-9447

Haldex Limited
525 Southgate Drive, Unit 1
Guelph, Ontario Canada N1G 3W6
Phone: 519-826-7723
Fax: 519-826-9497

www.haldex.com

US 3/09 270 IN-HOUSE

Attachment 3A

service Bulletin



Quick Release Valve Replacement Instructions

The quick release valve (QRV) may be located in several different places, depending on the make and model of vehicle. Please refer to an air system schematic diagram for the particular vehicle to determine where the quick release valve is installed in the vehicle air system.

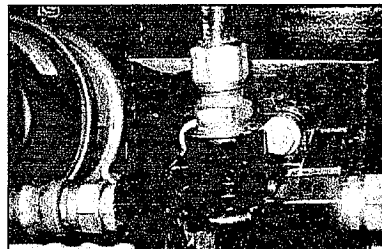
CAUTION: Block vehicle wheels. Take proper precautions when working with compressed air. Drain all air pressure from the air system and wear safety glasses before beginning any service.

Step 1

Locate the QRV(s) on the vehicle.

Fig. 1 shows a QRV as it is typically installed on the frame.

Fig. 1

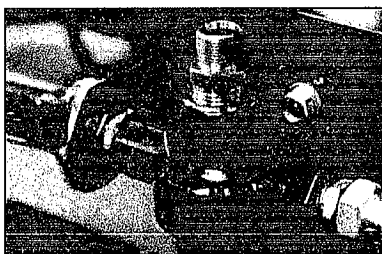


Step 2

Remove all of the hoses from the Supply and Delivery Ports of the valve. Mark/identify hoses as they are removed to assure proper reassembly.

Fig. 2 shows removal of the hoses.

Fig. 2

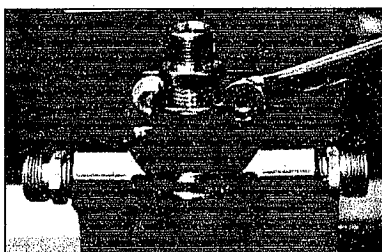


Step 3

Remove the bolts holding the QRV to the vehicle and remove the valve from the vehicle. Haldex recommends replacing the bolts.

Fig. 3 shows removal of the bolts.

Fig. 3



Quick Release Valve Replacement Instructions Continued On Reverse Side

Attachment 3B

Quick Release Valve Replacement Instructions Continued

Step 4

If required, assemble the appropriate size D.O.T.-approved fittings into the new QRV. Haldex recommends lightly coating the threads of the new fittings with a PTFE (Teflon) thread sealant. Do NOT use Teflon tape. Torque the fittings to a range of 75 to 200 in-lbs.

Fig. 4 shows installation of the fittings.

Fig. 4



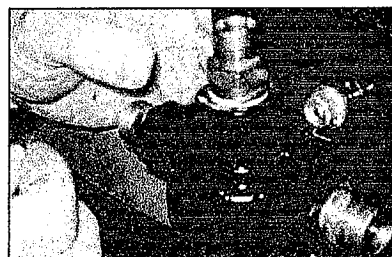
Step 5

Install the QRV onto the vehicle with 5/16 inch bolts. Recommended bolt torques:

- 5/16"-18 Grade 5 bolts = 17 ft-lbs
- 5/16"-24 Grade 5 bolts = 19 ft-lbs
- 5/16"-18 Grade 8 bolts = 24 ft-lbs
- 5/16"-24 Grade 8 bolts = 27 ft-lbs

Fig. 5 shows the QRV being mounted onto the vehicle.

Fig. 5



Step 6

Install the vehicle air hoses onto the valve. Use wrenches on both the fitting and the hose to make certain that fitting torques into the QRV remain in the range of 75 to 200 in-lbs.

Fig. 6 shows a hose being connected.

Fig. 6



Step 7

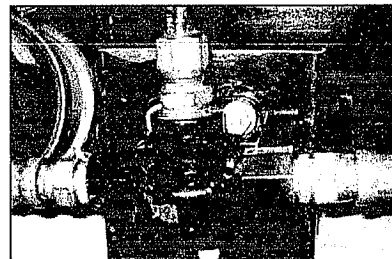
Verify that all connections are tight.

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.

Fig. 7 shows a correctly replaced Quick Release Valve.

Fig. 7



Haldex Commercial Vehicle Systems

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