

SAFETY RECALL BULLETIN

AUTOCAR SAFETY RECALL A-0901 NHTSA RECALL 09V-060

March, 2009

ATTENTION:

Service Managers / Parts Managers

SUBJECT:

Quick Release Valves (QRV's)

SAFETY RECALL INFORMATION:

Autocar has determined that a defect occurs in the QRV's of the affected vehicles. (See *Figure 1*) Autocar based its determination of the affected vehicle range on the QRV supplier's reported time line of production of the affected QRV's commencing 27 May 2008 with a Julian date code of 148 (in 2008) and continuing through 15 October 2008 with a production date code of 289 (in 2008).

Julian Date Code Guide

Note the location of the Julian date code on the QRV. (See *Figure 1*)

The first step in determining whether a QRV is affected is to determine whether it was manufactured in 2008. The digit that is relevant to your determination of the year of manufacture is the second-to-last digit of the last grouping (the number "8" on *Figure 1* below). If that number is NOT 8, then the QRV does NOT need to be replaced. If that number is 8, then locate the first (3) digits of the last grouping (the numbers "232" on *Figure 1* below). If those (3) numbers are within 148-289, then the QRV must be replaced.

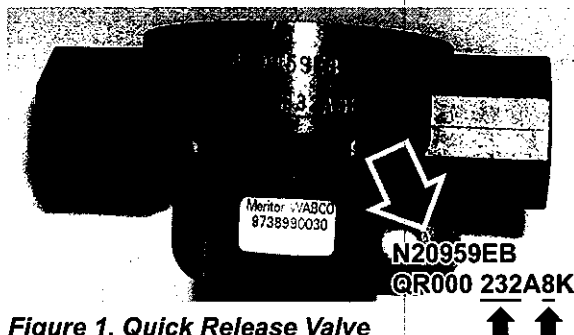


Figure 1, Quick Release Valve

VEHICLES AFFECTED:

There are 690 affected vehicles that were manufactured between 11 June 2008 and 17 November 2008, with serial numbers in the range 206951 through 208933. Refer to the VIN list beginning on page 6.

REPAIR:

If the vehicle's VIN appears on the list starting on page 6, complete the inspection and repair procedure starting on page 3.

Claims for Reimbursement:

Submit a claim in accordance with the instructions in the claim preparation section of the Warranty Administration Manual.

Claim Coding Information:

Authorization Number: A-0901

Repair Number: 56328-2-01 (Inspection)
56328-2-02 (Replace)

Time Allowance: 0.5 hours (Inspection)
0.5 hours per valve
(Replace)

Dealer Responsibility:

Dealers must perform this recall on affected vehicles at no charge to the owner regardless of vehicle mileage, age or ownership of the vehicle. If a vehicle affected by this recall is taken into or is in your vehicle inventory or at your dealership for service, you must perform this recall before the vehicle is sold or released to the owner.

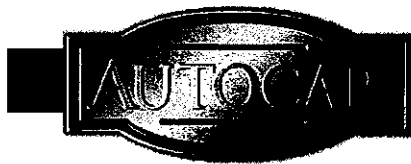
Inventory Purge

Inspect your existing inventory of stock parts and stock trucks to determine whether there are any affected vehicles (see affected range above and VIN list beginning on page 6) and affected QRV's (see Julian Date Code Guide above). Replace affected QRV's currently installed in all stock trucks, and discard all affected QRV's in your stock parts.

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WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service, or inspection.



DANGER

Before working on a vehicle, turn the engine to off, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement, resulting in serious personal injury or death.

WARNING

Allow ample time for the air cooler, radiator, and related components to cool after the vehicle has been shut down. A hot engine or cooling assembly may cause burns or other personal injury.

CAUTION

Critical fasteners should be properly tightened to torque values and maintained during the service period. Refer to Autocar's preventative maintenance manual (AC-SM-177-0606-P112) for schedule.

CAUTION

LOCKOUT/TAGOUT PROCEDURES

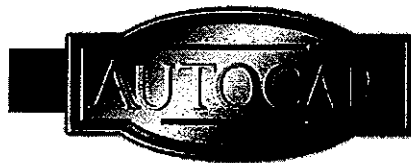
Before entering the vehicle or vehicle body, read and follow OSHA regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147. Follow OSHA regulations while performing any work on the vehicle. The vehicle must be disabled by the following steps before performing any work on the vehicle:

1. Place the transmission in NEUTRAL.
2. Set the parking brake.
3. Shut the engine OFF.
4. Lock cab doors, keep the key in your pocket. Block the wheels before entering the body or performing any work on the vehicle.
5. Turn the battery disconnect switch OFF.
6. Completely drain the air from the primary/A system and secondary/B system by opening the drain valves on the air tanks themselves or by using the drain manifold if supplied. When draining the air tanks, do not look into the area where air is draining. Dirt or sludge particles may be expelled in the air stream and can cause eye injury.
7. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.
8. Take proper precautions before working under the vehicle. Use ramps approved for the weight of your vehicle, or use floor jacks and stands. Never work under a vehicle supported by jacks alone. Always use jack stands to support the vehicle.

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Parts:

The Following parts are necessary for this recall:

Part Number	Description	Quantity
72901-0016	Quick Release Valve	As required

To Order Parts:

866-878-5980

Tools:

The following tools are necessary for this safety recall:

- 1/2 In. Combination Wrench
- 1/2 In. Socket W/Ratchet Wrench
- 11/16 In. Combination Wrench
- 3/4 In. Combination Wrench
- 13/16 In. Combination Wrench
- 7/8 In. Combination Wrench
- Quick Release pliers

INSPECTION AND REPAIR PROCEDURE

Remove each QRV to inspect and determine whether any QRV's Julian date falls within the range of affected QRV's. Replace each affected QRV. Quick release valves are used on the park brake air lines and, if the vehicle is so equipped, on the lift axle air lines. See the QVR locations guide on page 5.

1. Observe and follow all safety precautions the air from the brake system as follows:



After discharging the air from the brake system, air may remain trapped in the system, allowing the auxiliary (tag or pusher) axle and wheels to remain in the up position. Loosening any of the brake hoses that connect to any of the QRV's will allow the trapped air to escape, and the axle and the wheels will lower to the ground. **STAY CLEAR OF THE WHEELS AND AXLE.** Failure to do so can result in serious personal injury or death.

Tandem Axle QRV's

2. Locate the QRV on the tandem axle; see QRV Location Guide, page 5 of this Bulletin. Using a 11/16 In. and a 13/16 In. combination wrench, remove the LH and RH brake lines, then using a 11/16 In. combination wrench, remove the fitting from the QRV. (See Figure 2)

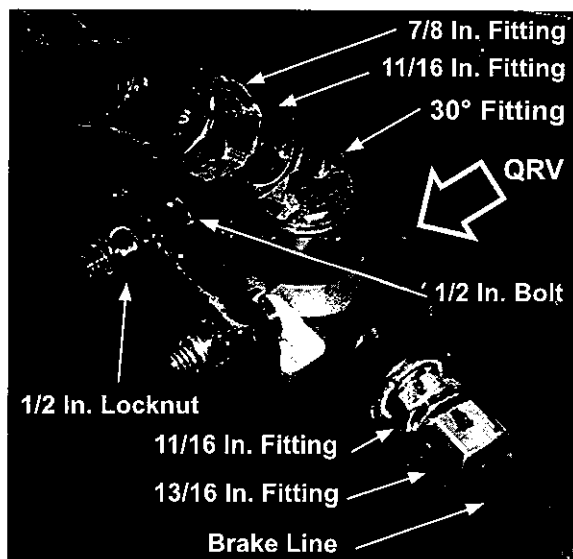


Figure 2, QRV, Tandem Rear Axle/Bracket

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3. Using a 7/8 In. and a 3/4 In. combination wrench, remove the air line from the 30° fitting at the top of the QRV, then using a 13/16 In. combination wrench, remove the 30° fitting from the QRV. (See Figure 2)
4. Using a 1/2 In. combination wrench on the bolt and a 1/2 In. socket w/ratchet wrench on the nut, remove the (2) bolts and (2) locknuts holding the QRV to the bracket. (See Figure 2) Remove and inspect the QRV.
5. Locate the Julian date on the QRV . Determine whether the Julian falls within the range of affected QRV's (see Julian Date Code Guide, page 1 of this Bulletin).
6. If the Julian date of the QRV falls within the affected range, replace and discard the QRV.

Note: Remove any paint on the QRV which obscures the Julian date. Ensure you can read the entire date code (see Julian Date Code Guide, page 1 of this Bulletin).

Auxiliary/Tag Axle QRV's

7. Locate the QRV's on the auxiliary axle (see QRV Location Guide, page 5 of this Bulletin). Using quick release pliers, remove the LH and RH brake lines from the 45° push-to-connect fittings, then using a 3/4 In. combination wrench, remove the push-to-connect fittings from the QRV. (See Figure 3)
8. Using quick release pliers, remove the air line from the 90° push-to-connect fitting, then using a 3/4 In. combination wrench, remove the push-to-connect fitting from the QRV. (See Figure 3)

9. Using a 1/2 In. combination wrench on the bolt and a 1/2 In. socket w/ratchet wrench on the nut, remove the (2) bolts and (2) locknuts holding the QRV to the bracket. (See Figure 3) Remove and inspect the QRV.
10. Locate the Julian date on the QRV . Determine whether the Julian falls within the range of affected QRV's (see Julian Date Code Guide, page 1 of this Bulletin).

Note: Remove any paint on the QRV which obscures the Julian date. Ensure you can read the entire date code (see Julian Date Code Guide, page 1 of this Bulletin).

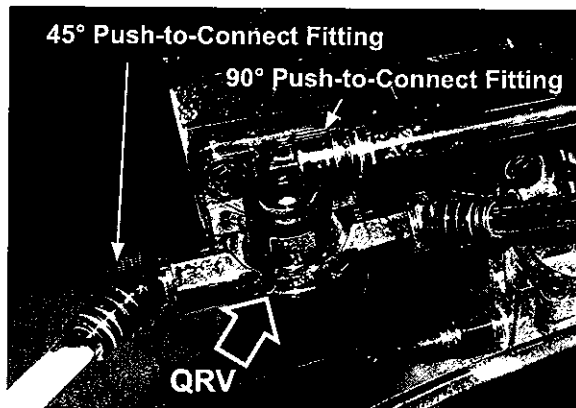


Figure 3, QRV, Tag (Auxiliary) Axle

11. Repeat steps 7 thru 10 (above) for the QRV located on the opposite side of the auxiliary/tag axle.

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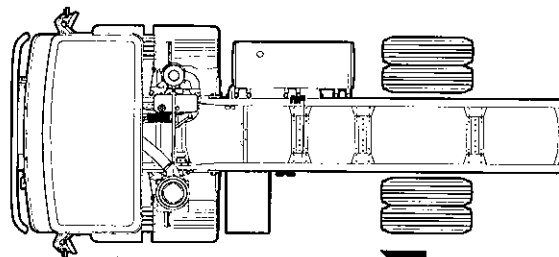


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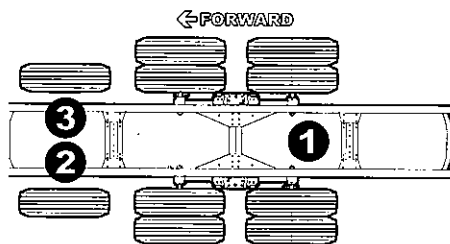
QRV LOCATIONS GUIDE



TYPICAL SINGLE REAR AXLE

Number of QRV's

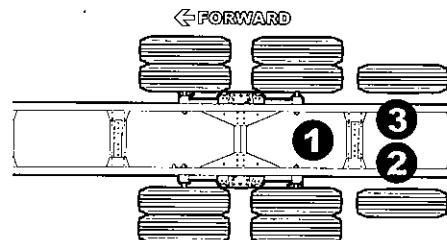
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TANDEM REAR +
PUSHER AXLE

Number of QRV's

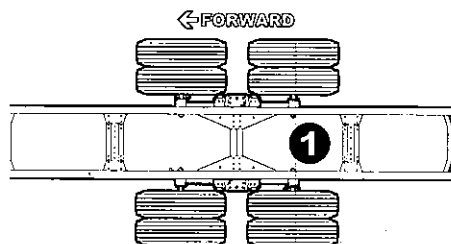
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TANDEM REAR +
TAG AXLE

Number of QRV's

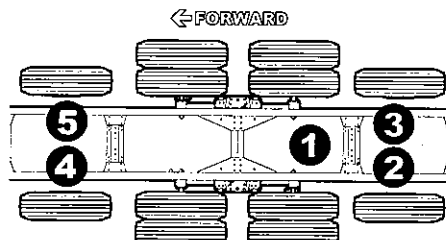
3



TYPICAL TANDEM REAR AXLE

Number of QRV's

1



TANDEM REAR +
PUSHER + TAG AXLE

Number of QRV's

5

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