

**Subject: Meritor WABCO Park Brake Quick Release Valve
with Double Check**

Models Affected: Specific Freightliner Cascadia, 122SD, and Argosy vehicles manufactured July 22, 2013, through October 13, 2014, and equipped with a Meritor WABCO park brake quick release valve.

General Information

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

There are approximately 2,637 vehicles involved in this campaign.

The quick release valve for the park brake may leak without the driver being aware. The leak may cause the park brake to partially or fully engage, which could eventually affect the performance of the vehicle's braking system, increasing the risk of a vehicle crash.

The quick release valve will be inspected and those manufactured within a certain date range will be replaced as necessary.

Additional Repairs

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR260).

Replacement Parts

Replacement parts are now available and can be obtained by ordering the kit number listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicles involved in campaign number FL673-A, a list of the customers and vehicle identification numbers will be available in OWL. Please refer to this list when ordering parts for this recall.

Table 1 - Replacement Parts for FL673-A

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit
FL673-A	25-FL673-000	Quick Release Park Brake Valve	MW kit # 473 505 003 2 / MW part # 473 505 003 0	1 ea

Table 1**Removed Parts**

U.S. and Canadian Dealers, please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts. Export distributors, please destroy removed parts unless otherwise advised.

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Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
FL673-A	Inspect Valve	0.1	996-0942B	06-Inspect
	Inspect, Repair, Destroy and take Photo of Valve	1.0	996-0942A	12-Repair Recall/Campaign

Table 2

IMPORTANT: When the Recall has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker provided in the recall kit (Form WAR260). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a recall kit is not required or there is no completion sticker in the kit, write the recall number on a blank sticker and attach it to the base completion label.

Claims for Credit

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL:

- Claim type is **Recall Campaign**.
- In the Campaign field, enter the campaign number and appropriate group (**FL673-A**).
- In the Primary Failed Part field, enter **25-FL673-000**.
- In the Parts section, enter the appropriate kit number as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative time will be included automatically for 0.3 hours.
- The VMRS Component Code is **013-010-008** and the Cause Code is **A1 - Campaign**.
- A photo of the destroyed valve with date code is required for filing claim.
- **U.S. and Canada – Reimbursement for Prior Repairs.** When a customer asks about reimbursement, please do the following:
 - Accept the documentation of the previous repair.
 - Make a brief check of the customer's paperwork to see if the repair may be eligible for reimbursement. (See the "Copy of Owner Letter" section of this bulletin for reimbursement guidelines.)
 - Submit an OWL Recall Pre-Approval Request for a decision.
 - Attach the documentation to the pre-approval request.
 - If approved, submit a based on claim for the pre-approval.
 - Reimburse the customer the appropriate amount.

IMPORTANT: OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, via Web inquiry at AccessFreightliner.com / Support / My Tickets and Submit an Inquiry, or the Customer Assistance Center at (800) 385-4357, after normal business hours, if you have any questions or need additional information. Export distributors, submit a Web inquiry or contact your International Service Manager.

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U.S. and Canadian Dealers: To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number. Export Distributors: Excess inventory is not returnable.

The letter notifying U.S. and Canadian vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60 day period. Failure to repair a vehicle within a reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Any lessor is required to send a copy of the recall notification to the lessee within 10 days. Any subsequent stage manufacturer is required to forward this notice to its distributors and retail outlets within five working days.

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Copy of Notice to Owners

Subject: Meritor WABCO Park Brake Quick Release Valve with Double Check

For the Notice to U.S. Customers: This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

For the Notice to Canadian Customers: This notice is sent to you in accordance with the Canadian Motor Vehicle Safety Act.

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, has decided that a defect which relates to motor vehicle safety exists on specific Freightliner Cascadia, 122SD, and Argosy vehicles manufactured July 22, 2013, through October 13, 2014, and equipped with a Meritor WABCO park brake quick release valve.

The quick release valve for the park brake may leak without the driver being aware. The leak may cause the park brake to partially or fully engage, which could eventually affect the performance of the vehicle's braking system, increasing the risk of a vehicle crash.

The quick release valve will be inspected and those manufactured within a certain date range will be replaced as necessary.

Please contact an authorized Daimler Trucks North America dealer to arrange to have the Recall performed and to ensure that parts are available at the dealership. To locate an authorized dealer, search online at www.Daimler-TrucksNorthAmerica.com / Contact Us / Find a Dealer. The Recall will take approximately one hour and will be performed at no charge to you.

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

For the Notice to U.S. Customers: If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357 after normal business hours. If you are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or to <http://www.safercar.gov>.

For the Notice to Canadian Customers: If you have questions about this Recall, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357 after normal business hours.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT
Enclosure

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Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this recall condition corrected you may be eligible to receive reimbursement.

Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized Daimler Trucks North America LLC dealer. The following documentation must be presented to your dealer for consideration for reimbursement.

Please provide original or clear copies of all receipts, invoices, and repair orders that show

- The name and address of the person who paid for the repair
- The Vehicle Identification Number (VIN) of the vehicle that was repaired
- What problem occurred, what repair was done, when the repair was done
- Who repaired the vehicle
- The total cost of the repair expense that is being claimed
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt)

Reimbursement will be made by check from your Daimler Trucks North America LLC dealer.

Please speak with your Daimler Trucks North America LLC authorized dealer concerning this matter.

Work Instructions

Subject: Meritor WABCO Park Brake Quick Release Valve with Double Check

Models Affected: Specific Freightliner Cascadia, 122SD, and Argosy vehicles manufactured July 22, 2013, through October 13, 2014, and equipped with a Meritor WABCO park brake quick release valve.

Safety Precautions

When working on or around air brake systems and components, observe the following precautions:

- Chock the tires and shut down the engine before working under a vehicle. Dropping air system pressure may cause the vehicle to roll. Keep hands away from brake chamber pushrods and slack adjusters; they will apply as air pressure drops.
- Never connect or disconnect a hose or line containing compressed air. It may whip as air escapes. Never remove a component or pipe plug unless you are certain all system pressure has been released.
- Never exceed recommended air pressure, and always wear safety glasses when working with compressed air. Never look into air jets, or direct them at anyone.
- Never attempt to disassemble a component until you have read and understood recommended procedures. Some components contain powerful springs, and injury can result if they are not correctly disassembled. Use only the correct tools, and observe all precautions regarding use of those tools.

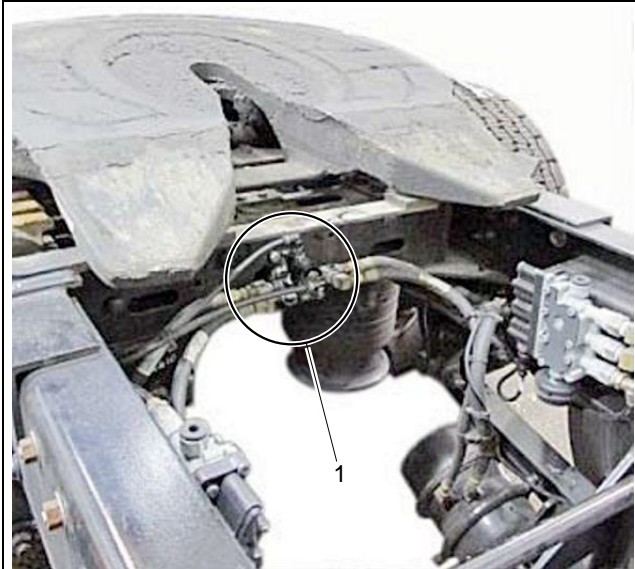
Valve Inspection

1. Check the base label (Form WAR259) for a completion sticker for FL673-A (Form WAR260) indicating this work has been done. The base label is usually located on the passenger-side door about 12 inches (30 cm) below the door latch. If a sticker is present, no work is needed. If there is no sticker, proceed with the step below.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
3. Locate the park brake quick release valve on the vehicle. The location may vary based on the vehicle configuration. Typically, it is located on the cross member behind the fifth wheel. See **Fig. 1**.
4. Locate the date code on the part. If the valve is painted, scratch the paint off the metal tag on the face of the valve to read the manufacture date code. See **Fig. 2**, **Fig. 3**, and **Fig. 4**. Locate the date code as shown. The date code will be a 4 digit code. For example: 2014. The first two digits are the week number (20) and last two digits are the year number (14).
5. Based on the date code, determine if the park brake valve requires replacement.
If the date code on the valve is prior to 1714 (week 17 of year 2014), replace the valve. Go to "Valve Replacement." (Example: if the date code is 1514, the valve must be replaced.)
If the date code on the valve is after 1714, the valve does not need to be replaced. (Example: if the date code is 1714 or 1814, the valve does NOT need to be replaced.) Clean a spot on the base label (Form WAR259). Write the campaign number, FL673-A, on a blank red completion sticker (Form WAR260), to indicate the work has been completed, and attach it to the base label.

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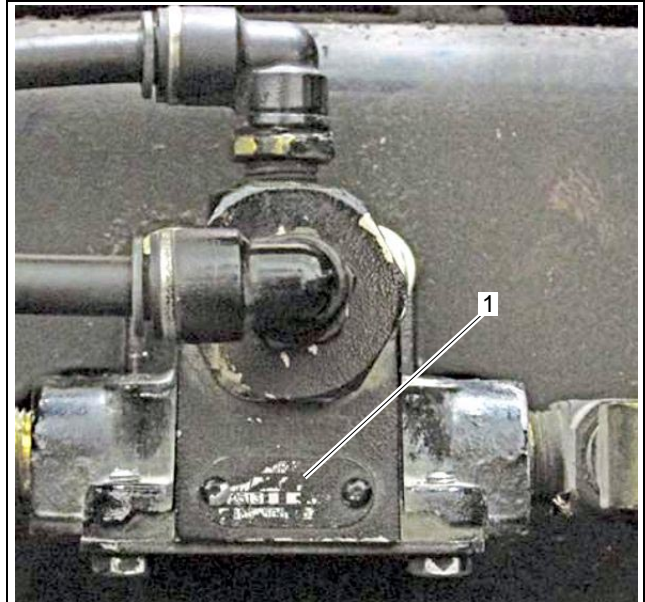


11/18/2014

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1. Valve

Fig. 1, Valve Location (typical)



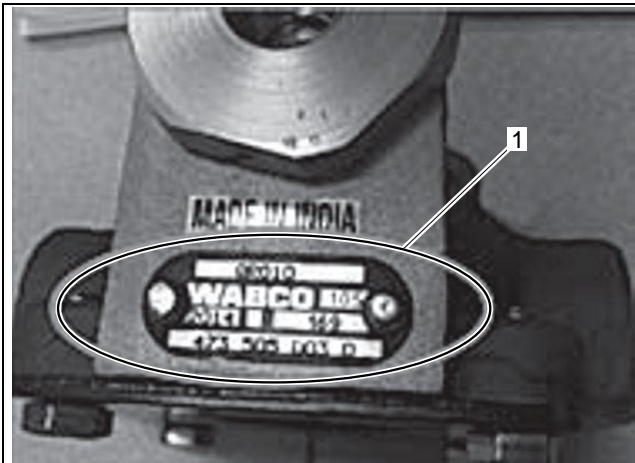
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Scratch paint off here as needed.

1. Date Code Tag

Fig. 2, Date Code Location

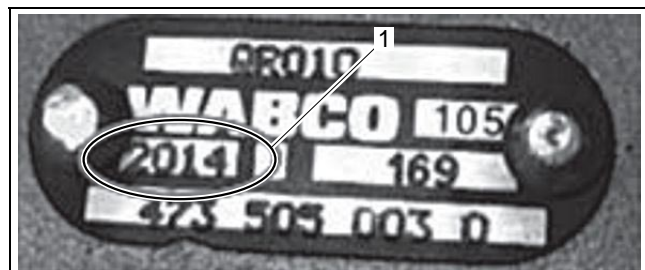


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1. Date Code Tag

Fig. 3, Date Code Tag



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The first two digits are the week number (week 20).
The second two digits are the year number (year 14).

1. Date Code

Fig. 4, Date Code

Valve Replacement

1. Drain the air pressure from the brake system.
2. Disconnect the air lines from the park brake quick release valve and mark each line so they can be reinstalled in the correct position. See **Fig. 5**.

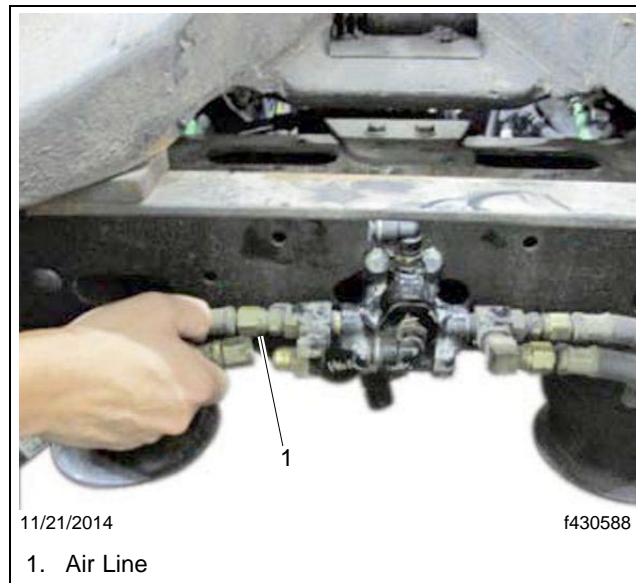


Fig. 5, Air Line Connections

3. Remove the mounting bolts and remove the valve from the vehicle.
4. Remove the fittings from the old valve, and clean them as needed.

NOTICE

Do not overtighten the fittings. Damage to the valve or fittings may occur.

Do not use Teflon tape on air fittings. Teflon tape can get loose in the air system and prevent components from operating correctly.

5. Apply a thin coating of approved thread sealant to the removed fittings and install the fittings into the new valve. Tighten the fittings to approximately 1-1/2 to 2-1/2 turns past finger tight to the same orientation as they were in the original valve. See **Fig. 5**.
6. Place the new park brake quick release valve into position and reinstall the 5/16 inch bolts. Tighten the bolts to 17 lbft-ft (23 N·m).
7. Install the air lines in the correct positions as marked during removal.

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8. Perform an operational and leak check on the newly installed valve.
 - 8.1 Verify the vehicle wheels are chocked correctly.
 - 8.2 Verify that all connections are tight.
 - 8.3 Place the transmission in neutral, and start the engine. Allow the compressor to build air pressure until the governor cuts out. Shut down the engine.
 - 8.4 Release the park brake.
 - 8.5 Apply a soap solution to the supply and delivery line connections and check for leaks. If any active bubbling is found, tighten the lines or fittings as needed.
 - 8.6 Apply a soap solution to the supply, delivery and exhaust ports. If any active bubbling is found at these locations, repair or replace the component to manufacturer's specifications.
9. Check the actuators to ensure the spring brakes release.
 - 9.1 Apply the park brake and check the actuators to ensure the spring brakes apply.
 - 9.2 With the park brake applied, press and hold the service brake pedal.
 - 9.3 Check to ensure anti-compounding air is exhausted from the quick release valve.
 - 9.4 Check the balance port connection for leaks. Apply a soap solution to the balance port.
 - 9.5 If any active bubbling is found at these locations, repair or replace the component to manufacturer's specifications.
10. Destroy the removed valve.
 - 10.1 Using a minimum 1/4-inch drill bit, drill through the center hole of the bottom plate of the valve and through the valve balance port on the opposite end.
 - 10.2 Take a photo of the destroyed valve that shows the drilled hole and the date code for evidence of destruction. Examples for evidence: Drilled hole as seen from top of the valve or the drilled plastic seat inside the valve after the exhaust plate is removed.
11. Clean a spot on the base label (Form WAR259). Write the campaign number, FL673-A, on a blank red completion sticker (Form WAR260), to indicate the work has been completed, and attach it to the base label.