

# SAFETY RECALL BULLETIN



## AUTOCAR SAFETY RECALL A-0702 NHTSA RECALL 07E-037

JULY 2007

**ATTENTION:** SERVICE MANAGERS / PARTS MANAGERS

**SUBJECT:** BENDIX SR-7 SPRING BRAKE MODULATING VALVE

**VEHICLES**

**AFFECTED:** CERTAIN AUTOCAR WX, WXR, AND WXLL MODEL VEHICLES BUILT BETWEEN 24 FEBRUARY 2006 AND 09 JUNE 2007, VIN RANGE 203361 TO 205713

### Safety Recall Information

Bendix has determined that a manufacturing defect exists in the internal rubber check valves inside the SR-7 spring brake modulating valves supplied to Autocar.

The supplier of the internal check valve made changes to its manufacturing process which were not authorized by Bendix or Autocar. The internal check valve rubber may become deformed over time, which could result in the check valve not seating properly. Leakage may result from such improper seating and could cause a delay in the application of the spring brakes to park the vehicle after the operator pulls the dash valve button. The delayed parking brake application could occur without warning, leading to unintended vehicle roll-away. Normal service operation is not otherwise affected. There have been no reports of any injuries related to this issue.

As a proactive safety measure, Autocar is initiating a safety recall to replace all SR-7 spring brake modulating valves which were manufactured using the defective internal check valve.

### Vehicles Affected

There are 26 affected vehicles that were manufactured between 24 FEBRUARY 2006 and 09 JUNE 2007, within VIN range 203361 to 205713. Refer to the VIN list on *page 2*.

**NOTE:** To determine whether a particular vehicle is affected by this safety recall (or any other safety recall), consult the *Service & Warranty* link through Autocar's website, [www.autocartruck.com](http://www.autocartruck.com). After logging in to the dealer section of the website, enter the VIN into the VIN Profile; the system will display any outstanding safety recalls.

### Inspection

If the vehicle's VIN is within the specified VIN range, appears on the VIN list on *page 2*, and the spring brake modulating valve is within the date-of-manufacture range, the spring brake modulating valve must be replaced. Refer to the **INSPECTION PROCEDURE** on *page 4* for instructions on reading the date code on the valve.

### Repair

Replace the spring brake modulating valve, by completing the **REPAIR PROCEDURE** beginning on *page 5*.

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### Parts

The following parts are required for this safety recall:

Part Description and Specification	Quantity
SR-7 spring brake modulating valve .....	1
Autocar part number: A7290011-001	
Bendix part number: K022612	

Call the Warranty Administrator at 877-973-3486 (extension 6016) to order replacement parts.

### Time Allowance

Inspect brake valve: 0.5 hour  
Replace brake valve: 1.5 hours

### Tools Required

- Torque wrench (250 in-lbs capacity)
- 9/16" socket
- 9/16" open-end wrench
- 11/16" open-end wrench
- Thread sealant

### Claims for Reimbursement

Submit a claim following published instructions in the claim preparation section of the *Warranty Administration Manual*.

### Claims Coding Information

Authorization number: A-0702

### Inspect brake valve

Labor operation code: 56325-1-00  
Time allowance: 0.5 hour

### Replace brake valve

Labor operation code: 56325-1-01  
Time allowance: 1.5 hours

### Dealer Responsibility

Dealers must perform this safety 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 safety recall is in your vehicle inventory or brought to your facility for service, you must perform this safety recall before the vehicle is sold or released to the owner.

### Vehicles Affected, by VIN

Affected vehicles, sorted by last (6) digits of VIN, in ascending order from left to right, top to bottom:

5VCHC6PEX6H203361	5VCHC6PE16H203362	5VCHC6PE47H204023	5VCHC6PE67H204024
5VCDC6JFX7H205192	5VCDC6JF17H205341	5VCDC6JF87H205370	5VCDC6JF27H205400
5VCDC6JF47H205401	5VCDC6JF67H205402	5VCDC6JF58H205506	5VCDC6JF88H205614
5VCDC6JFX8H205615	5VCDC6JF98H205623	5VCDC6JF98H205654	5VCDC6JF28H205656
5VCDC6JF08H205669	5VCDC6JF78H205670	5VCDC6JF08H205672	5VCDC6JF28H205673
5VCDC6JF48H205674	5VCDC6JF48H205691	5VCDC6JF48H205707	5VCDC6JF68H205711
5VCDC6HE18H205712	5VCDC6HE38H205713		

### Bendix Repair Procedure and Parts Requirements

Set forth below is Bendix's Repair Procedure and Parts Requirements for all affected vehicles. Questions regarding the repair procedure can be directed to Autocar's service hotline at 877-973-3486 (extension 6062) or directly to Bendix's Recall Assistance Center at 877-461-2732.

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### SAFETY NOTICES

#### **DANGER**

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

*The ABS MUST be disabled prior to jacking up a vehicle that has a traction control system (TCS) and prior to placement of the jack stands. If the ABS is not disabled and one of the wheels starts to spin, the TCS will compensate and the vehicle may come off the jack and/or jack stands.*

#### **WARNING**

*ALWAYS wear appropriate eye protection to prevent the risk of eye injury. Wear safety glasses to prevent eye contact with debris and fluids.*

*Pneumatic components store compressed air and can separate violently during disassembly or removal. Before servicing any part of the pneumatic (air) system, completely release the compressed air.*

*Components with stripped threads or damaged parts should be replaced rather than repaired. Do not attempt repairs requiring machining or welding unless specifically stated and approved by the vehicle and component manufacturer.*

#### **CAUTION**

*You must read and understand the precautions and guidelines in each component manufacturer's service information before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.*

#### **NOTICE**

*Use only genuine Bendix replacement parts, components and kits. Replacement hardware, tubing, hose, fittings, etc. must be of equivalent size, type, and strength as original equipment and be designed specifically for such applications and systems.*

#### 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 proceeding:

1. Set the parking brake.
2. Place the transmission in NEUTRAL.
3. Shut the engine OFF.
4. Turn the battery disconnect switch OFF.
5. Lock cab doors, keep the key in your pocket, and block the wheels before entering the body or performing any work on the vehicle.
6. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.

# SAFETY RECALL BULLETIN

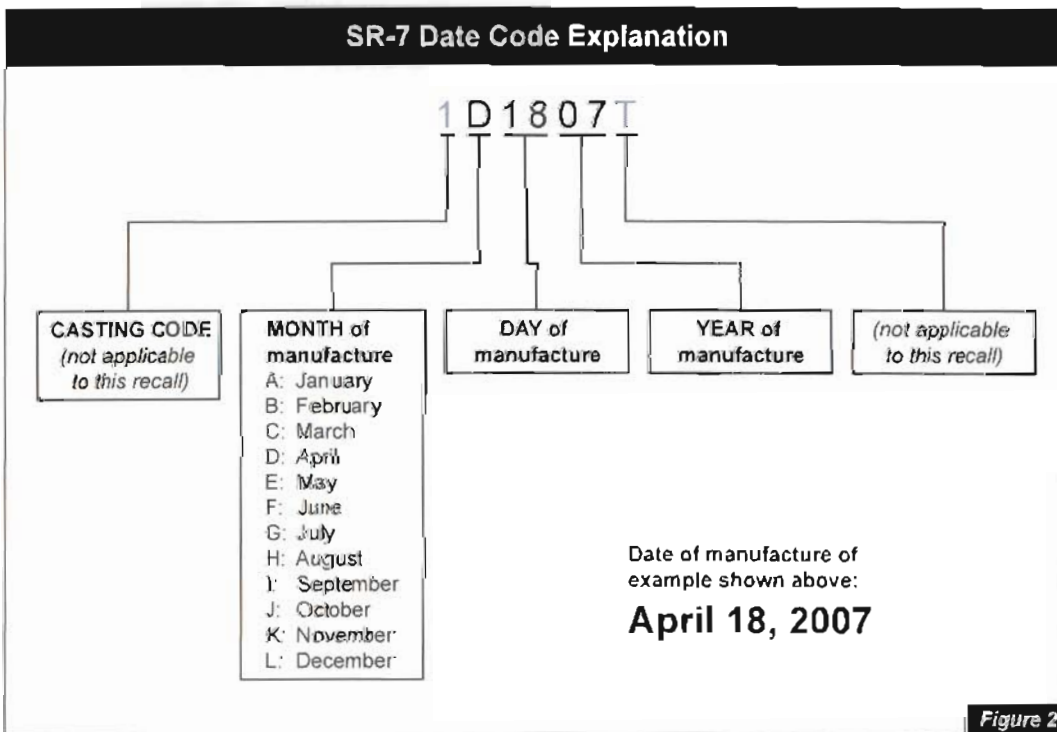
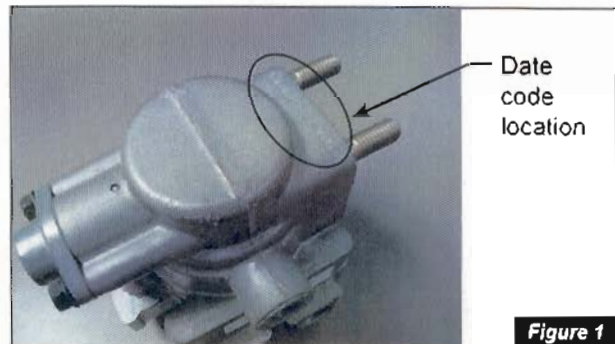


## AUTOCAR SAFETY RECALL A-0702 NHTSA RECALL 07E-037

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### INSPECTION PROCEDURE

- STEP 1:** Locate the SR-7 spring brake modulating valve on the vehicle. It is located on the left side of the truck, behind the rear suspension crossmember.
- STEP 2:** Observe the date code, stamped in the upper casting of the brake valve (*Figures 1 and 2*).
- STEP 3:** All spring brake valves with date codes before D1807 (April 18, 2007) are suspect and must be replaced. Complete the **REPAIR PROCEDURE** beginning on the page 5.
- STEP 4:** Dates including D1807 (April 18, 2007) and after are not covered by this recall. No further action is necessary.



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## AUTOCAR SAFETY RECALL A-0702 NHTSA RECALL 07E-037

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### REPAIR PROCEDURE

#### SPRING BRAKE VALVE REMOVAL

**STEP 1:** Locate the SR-7 spring brake modulating valve on the vehicle. It is located on the left side of the truck, behind the rear suspension crossmember.

#### **WARNING**

*Pneumatic components store compressed air and can separate violently during disassembly or removal. Before servicing any part of the pneumatic (air) system, completely bleed down the vehicle's compressed air systems.*

**STEP 2:** Identify and mark all air lines before disconnecting to aid in the re-installation of the air lines. Remove all air lines from the spring brake valve (*Figure 3*).

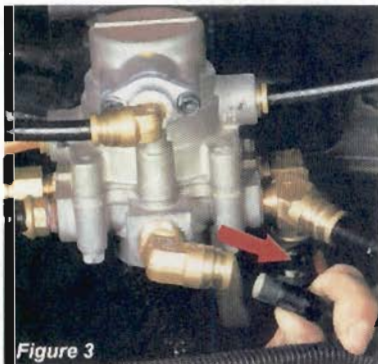


Figure 3

**STEP 3:** Using a 9/16" open-end wrench, remove the two hex nuts that secure the spring brake valve to the vehicle's frame. Remove the spring brake valve from the frame.

**STEP 4:** Compare the spring brake valve that was removed against the replacement spring brake valve. The valve that was removed contains fittings or pipe plugs that the new valve does not. **These fittings and plugs must be installed on the replacement valve.** Note their orientation and remove them from the valve that was removed.

**NOTE:** 9/16" and 11/16" open-end wrenches will be necessary to remove the fittings.

#### **NOTICE**

*The replacement SR-7 spring brake modulating valve is equipped with a pre-installed internal check valve. DO NOT remove the internal check valve from the replacement SR-7 valve.*

**STEP 5:** Using thread sealant, install the fittings that were removed in *step 4* into the replacement spring brake valve. The orientation of the fittings must be the same as on the valve that was removed.

**NOTE:** Teflon tape may not be substituted for thread sealant.

Install the fittings, making them only hand-tight, then tighten 1.5-2 turns with the appropriate wrench. For shaped fittings (such as tees and elbows) tighten no more than 1 additional turn to the final position.

**NOTE:** 9/16" and 11/16" open-end wrenches will be necessary to install the fittings.

#### **NOTICE**

*The SR-7 spring brake modulating valve that had been removed from the vehicle must be destroyed or rendered inoperable, and discarded.*

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### SPRING BRAKE VALVE INSTALLATION

**STEP 6:** Align the valve mounting studs with the mounting holes on the vehicle frame rail. Thread the hex nuts on by hand. Using a 9/16" socket and torque wrench, torque the hex nuts to 180-220 in-lbs.

**STEP 7:** Reconnect any air lines that were disconnected in *step 2*.

Please direct all questions regarding this safety recall bulletin to: [info@autocartruck.com](mailto:info@autocartruck.com), call the service hotline at 877-973-3486 (extension 6062), or call the Bendix Recall Assistance Center at 877-461-2732.

### TESTING THE SPRING BRAKE VALVE

Perform the operating and leak tests as outlined below.

#### OPERATING TEST

**STEP 8:** Chock the vehicle's wheels to prevent the vehicle from moving. Charge the air brake system to the governor cut-out pressure.

**STEP 9:** Place the parking control valve in the RELEASE position. Observe the spring brake actuators for full release.

**STEP 10:** Place the parking control valve in the PARK position. Observe and confirm that spring brake actuators are applied promptly (within 3 seconds).

#### LEAK TEST

**STEP 11:** Place the park control valve in the RELEASE position. Using a soap-and-water solution, coat all ports and fittings (including the exhaust port). A bubble no larger than 1" may form in 3 seconds (175 SCCM).

**STEP 12:** If the spring brake valve does not function as described or if leakage is excessive, repeat the Repair Procedure with another replacement valve.

# SAFETY RECALL NOTICE



## AUTOCAR SAFETY RECALL A-0702 NHTSA RECALL 07E-037

Dear Autocar Truck Owner:

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

Autocar, LLC, has determined that a defect which relates to motor vehicle safety exists in certain WX, WXR and WXLL 2007 and 2008 model-year, heavy-duty class 8 vehicles built between February 24, 2006 and June 9, 2007 with serial numbers in the range 203361 through 205713.

**MODELS** Autocar WX 2007, 2008  
**AFFECTED:** Autocar WXLL 2007, 2008  
Autocar WXR 2007, 2008

**COMPONENTS** Bendix SR7 Park Brake Valves  
**AFFECTED:**

**SAFETY DEFECT:** Bendix has determined that a manufacturing defect exists in the internal rubber check valves inside the SR-7 spring brake modulating valves supplied to Autocar. The component supplier of the internal check valve made changes to its manufacturing process which were not authorized by Bendix or Autocar. The internal check valve rubber may become deformed over time, which could result in the check valve not seating properly. Leakage may result from such improper seating and could cause a delay in the application of the spring brakes to park the vehicle after the operator pulls the dash valve button.

**POTENTIAL RISK:** The delayed parking brake application could occur without warning, leading to unintended vehicle roll-away. Normal service operation is not otherwise affected.

**PRECAUTIONS** Ensure the vehicle is stationary and fully parked after applying  
**YOU CAN TAKE:** the park brake and before exiting the vehicle.

**REPAIR** At no charge to you regardless of your vehicle's age or mileage,  
**REQUIRED:** an Autocar dealer will inspect your vehicle and if required, repair the vehicle. The suspect valve body will be replaced with a new valve body.

ACF 00002

Autocar, LLC  
551 South Washington St  
P.O. Box 190  
Hagerstown, IN 47346-0190

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# SAFETY RECALL NOTICE



**TIME REQUIRED FOR THE REPAIR:**

The labor time required to repair your vehicle is about 30 minutes.

**WHAT YOU SHOULD DO:**

Immediately contact an Autocar dealer to schedule a service appointment to have your vehicle repaired. To locate the closest Autocar dealer, go to [www.autocartruck.com](http://www.autocartruck.com) and select Sales, Service & Parts, or call 877-973-3486 ext. 2572.

**PRE-NOTIFICATION REPAIR:**

If you have previously paid for repairs to the Bendix SR7 brake valves, you may be entitled to recover of the amount you paid for those repairs. Submit a copy of all documentation supporting your claim to Autocar at the address set forth below in the "Assistance" section.

**NOTICE REGARDING LEASED VEHICLES:**

If you are a Lessor (as defined below) of a vehicle that is affected by this Notice, you are obligated under federal law to provide a copy of this Notice to the lessee of such vehicle within 10 days of your receipt of this Notice. Further, you must maintain a record, which identifies the lessee(s) to whom you send a copy of this Notice, the date you send the Notice, and the VIN(s) of the vehicle(s) that you have leased to the lessee(s).

For purposes of this Notice, the term "Lessor" means a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in 49 CFR Section 577.4), as of the date of this Notice.

**OWNER RECALL RESPONSE CARD:**

The enclosed "Owner Recall Response Card" identifies your vehicle. Present this card to any Authorized Full-Service or Parts and Service Autocar dealer to assist in the processing of your vehicle in the shortest time possible. If you do not own, have sold or have traded the vehicle identified on the card, please let us know by completing and signing the postage-paid card and returning it to Autocar at the address below.

**ASSISTANCE:**

If your vehicle has not been modified within a reasonable time after delivering it to the dealer on the agreed-upon service date, please contact:

Autocar, LLC  
Service & Warranty Department  
P. O. Box 190  
Hagerstown, IN 47346-0190

# SAFETY RECALL NOTICE



Or call our toll-free number, 877-973-3486.

You may also submit a complaint to:

Administrator, National Highway Traffic Safety  
Administration  
1200 New Jersey Ave., SE  
Washington, DC 20590

or call the toll-free Vehicle Safety Hotline at 1-888-327-4236  
(TTY: 1-800-424-9153); or go to <http://www.safercar.gov>

We regret any inconvenience this recall may cause, but we hope you recognize our concern for your safety and satisfaction with your vehicle.

Sincerely,

**AUTOCAR, LLC**

ACF 00002

Autocar, LLC  
551 South Washington St  
P.O. Box 190  
Hagerstown, IN 47346-0190

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