



BLUE BIRD

R07LY

DATE: SEPTEMBER 27, 2007

TO: U.S. DEALERS

SUBJECT: RECALL R07LY-PARKER SINGLE CHECK VALVE

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

Blue Bird Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2004 through 2007 model year Blue Bird "Vision" school and transit buses equipped with air brakes manufactured from October 09, 2003 through September 21, 2006.

The defect involves the external Parker single check valve (SCV) that connects to the supply port of the Bendix SR-7 spring brake modulating valve. After prolonged use, the internal brass retainer may separate from the SCV. If this were to occur, the brass retainer and other pieces from the SCV may become lodged inside the SR-7 modulating valve and affect its performance. This condition may cause one or all of the following to occur:

- A delay in the application of the parking brakes after the operator pulls the yellow "Parking Brake" dash button in to the apply position, which may result in unintentional vehicle rollaway;
- The brake shoes may not fully disengage from the brake drum(s) after the operator depresses the "Parking Brake" dash button in to the release position; and/or
- Operational performance of the service brakes may be affected under certain conditions.

These conditions can occur without warning and may result in property damage and/or injury or death to persons inside and around the bus.

Blue Bird is conducting a recall to correct this defect. Buses with the defect must be corrected according to the attached Bendix instructions.

If our records indicate affected units were delivered in your service area, a printout identifying affected units is enclosed.

BLUE BIRD CORPORATION

P.O. Box 937 • Fort Valley, Georgia 31030

Phone: (478) 825-2021

It is the dealer's responsibility to verify that the correct owner name, address and telephone number is provided for each listed vehicle. Any corrections or updates should be made on BBOND. Addresses that cannot be updated on BBOND should be forwarded to the Recall Administrator.

If you have in your possession or have sold a vehicle that was purchased from another dealer that may be affected by this recall, please notify me at 478-822-2242.

Labor time authorized to remove and replace the Parker single check valve is 0.5 hours per bus.

Warranty applications may be submitted to Blue Bird VIA ClaimTrac (use create campaign/bulletin claim).

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Dealers are reminded of their responsibilities under section 154 of The National Traffic and Motor Vehicle Safety Act of 1991. **Dealers are required to complete modifications/repairs on units in their inventory before delivering to the final owner. Reference Blue Bird Body Company Dealer Memo No. 42-92.**

Questions regarding this recall campaign should be directed to me at (478) 822-2242.

Sincerely,

A handwritten signature in cursive script that reads "Bill Coleman".

Bill Coleman
Corporate Recall Administrator
Blue Bird Corporation



R07LY

October 05, 2007

Dear Blue Bird Owner:

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

Blue Bird Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2004-2007 model year Blue Bird "Vision" school and transit buses equipped with air brakes manufactured from October 09, 2003 through September 21, 2006.

The defect involves the external Parker single check valve (SCV) that connects to the supply port of the Bendix SR-7 spring brake modulating valve. After prolonged use, the internal brass retainer may separate from the SCV. If this were to occur, the brass retainer and other pieces from the SCV may become lodged inside the SR-7 modulating valve and affect its performance. This condition may cause one or all of the following to occur:

- A delay in the application of the parking brakes after the operator pulls the yellow "Parking Brake" dash button in to the apply position, which may result in unintentional vehicle roll away;
- The brake shoes may not fully disengage from the brake drum(s) after the operator depresses the "Parking Brake" dash button in to the release position; and/or
- Operational performance of the service brakes may be affected under certain conditions.

These conditions can occur without warning and may result in property damage and/or injury or death to persons inside and around the bus.

Buses with the defect must be corrected as soon as possible. Your Blue Bird bus(es) affected by recall R07LY are identified by body serial number(s) on the enclosed reply sheets. If you no longer own the subject bus(es), please complete the appropriate section of the pink reply sheet and return to Blue Bird in the enclosed pink postage prepaid envelope.

A qualified technician should perform this recall. You may perform this recall yourself or have the work done by a qualified repair facility convenient to you. You may also contact your Blue Bird dealer for assistance with this recall.

To receive replacement Parker single check valves, confirm your correct shipping address on the enclosed yellow parts request sheet, sign and return it to Blue Bird in the enclosed pink postage prepaid reply envelope. Replacement valves will be shipped "No Charge" to you via UPS.

Estimated labor time to remove and replace the Parker SCV is 0.5 hours (30 minutes) per bus, however Blue Bird will reimburse for all reasonable labor charges necessary to complete the work. Reimbursement for labor may be obtained by completing the pink request for reimbursement sheet provided and returning it to Blue Bird in the enclosed pink postage prepaid envelope.

If the modifications/repair directed by this notification was performed on your bus prior to the receipt of this recall notification, complete and sign the recall reply sheet and attached a copy of the work order/invoice. Mail the documents in the pink self-addressed postage paid envelope included with the recall notification to Blue Bird for warranty consideration. Reimbursements will be made in accordance with the requirements of the National Highway Transportation Safety Act, title 49 Code of Federal Regulations, Parts 573 and 577.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

If Blue Bird Body Company should fail to or is unable to remedy this condition without charge to you, you may contact:

**ADMINISTRATOR
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
1200 NEW JERSEY AVE. SE
WASHINGTON, D.C. 20590**

or you may call The National Highway Traffic Safety Administration toll free at:

1-888-327-4236
TTY: 1-800-424-9153

or got to: <http://www.safecar.gov>

Questions regarding this recall campaign should be directed to me at (478) 822-2242.

Thank you,



Bill Coleman
Corporate Recall Administrator
Blue Bird Corporation



Installation Instructions

PARKER SINGLE CHECK VALVE REPLACEMENT KIT

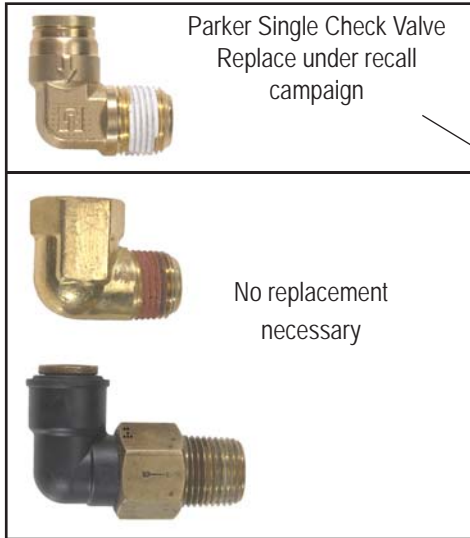
BENDIX® SR-7™ SPRING BRAKE MODULATING VALVE

Recall Campaign No.: 07E-038

Vous pouvez vous procurer une copie de ce document en français sur le site www.Bendix.com en cliquant sur le lien "Recall Assistance Center" (Centre d'assistance pour les rappels produits).

Para obtener una copia de este documento en español, usted puede visitarnos al sitio en Internet www.Bendix.com y hacer un clic en el anexo "Recall Assistance Center" (Centro de asistencia para los productos devueltos).

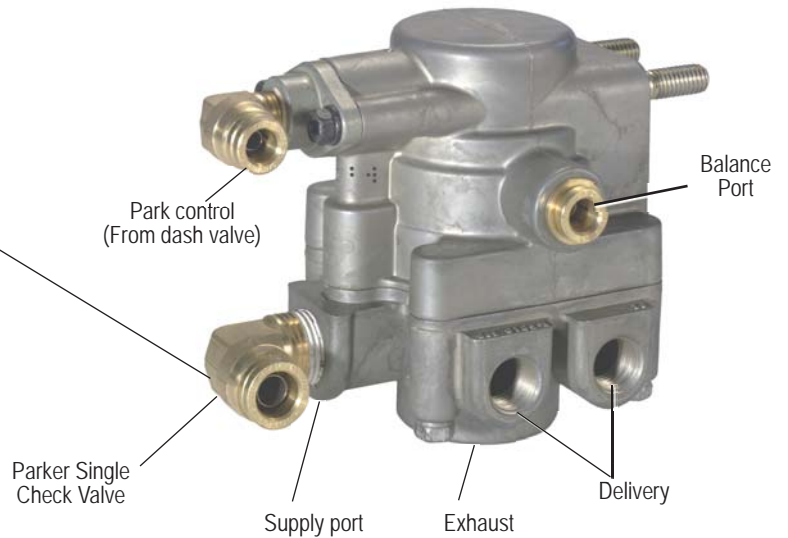
Single Check Valves that might be found in the supply port of the SR-7™ valve



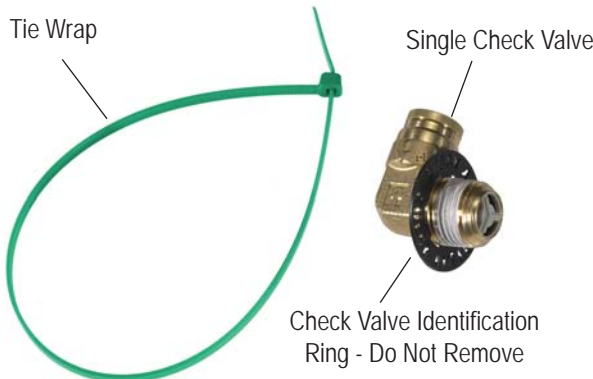
Parker Single Check Valve
Replace under recall campaign

No replacement necessary

SR-7™ Valve port designations



Kit Contents



External single check valve replacement kit part number **K022698** contains the following components:

Description	Qty.
Single Check Valve	1
Green Tie Wrap.....	1

Figure 1 - BENDIX® SR-7™ SPRING BRAKE MODULATING VALVE PORT DESIGNATIONS AND KIT CONTENTS

GENERAL

This instruction sheet is intended to provide the necessary information to replace the Parker external single check valve attached to the supply port of an SR-7™ spring brake modulating valve in connection with Recall Campaign number 07E-038.

GENERAL SAFETY GUIDELINES

WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY OR DEATH:

When working on or around a vehicle, the following general precautions should be observed at all times.

1. Park the vehicle on a level surface, apply the parking brakes, and always block the wheels. Always wear safety glasses.

2. Stop the engine and remove ignition key when working under or around the vehicle. When working in the engine compartment, the engine should be shut off and the ignition key should be removed. Where circumstances require that the engine be in operation, **EXTREME CAUTION** should be used to prevent personal injury resulting from contact with moving, rotating, leaking, heated or electrically charged components.
3. Do not attempt to install, remove, disassemble or assemble a component until you have read and thoroughly understand the recommended procedures. Use only the proper tools and observe all precautions pertaining to use of those tools.
4. If the work is being performed on the vehicle's air brake system, or any auxiliary pressurized air systems, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle. If the vehicle is equipped with an AD-IS® air dryer system or a dryer reservoir module, be sure to drain the purge reservoir.
5. Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
6. Never exceed manufacturer's recommended pressures.
7. Never connect or disconnect a hose or line containing pressure; it may whip. Never remove a component or plug unless you are certain all system pressure has been depleted.
8. 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.
9. 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.
10. Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
11. For vehicles with Antilock Traction Control (ATC), the ATC function must be disabled (ATC indicator lamp should be ON) prior to performing any vehicle maintenance where one or more wheels on a drive axle are lifted off the ground and moving.

PARKER SINGLE CHECK VALVE REPLACEMENT

CAUTION: Do not disconnect air lines and fittings unless specified. Installation of this kit does not require that the SR-7™ spring brake modulating valve be removed or that all the air lines be disconnected.

1. Locate the SR-7™ valve on the vehicle. Typically, it is located near the rear axle mounted on the frame rail or cross member.

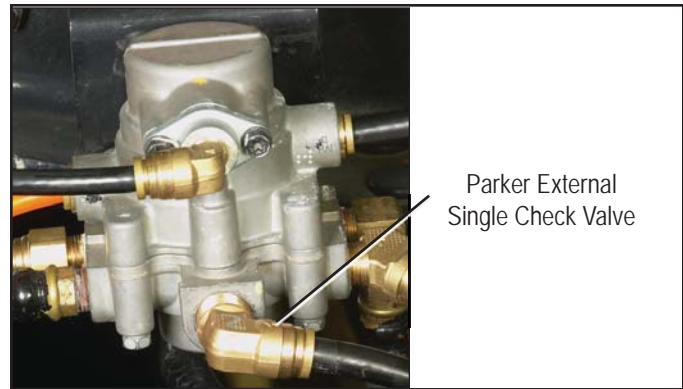


Figure 2 - SR-7™ VALVE & PARKER SINGLE CHECK VALVE



Figure 3 - DISCONNECTING THE SUPPLY LINE

2. Locate the external single check valve installed in the supply port of the SR-7™ valve as shown in Figure 1.
3. **Note: Verify the external check valve is a Parker single check valve. Refer to Figure 1. If the check valve is not a Parker single check valve, replacement of the check valve is not necessary and is not covered by this campaign.**
4. Remove the 1/2" OD supply line from the Parker single check valve supply port. See Figures 2 and 3. **Note:** Some SR-7™ valves may have a fitting between the single check valve and the SR-7™ valve.
5. Note the orientation of and remove the external check valve. Refer to Figures 4 and 5. **IMPORTANT: Inspect the outlet (threaded side) of the Parker single check valve to ensure the presence of check valve components. Verify that the brass retainer is present and intact. Refer to Figure 6.**
6. **NOTE: If the brass retainer is NOT present and intact, both the Parker external single check valve AND the entire SR-7™ valve must be replaced. Do not proceed with this kit.** The SR-7™ valve replacement kit part must be obtained and installed.

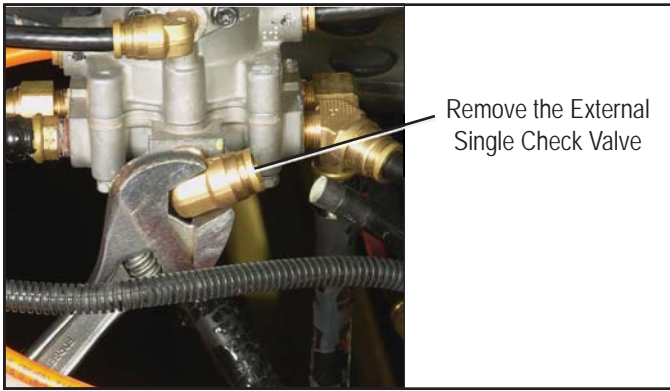


Figure 4- REMOVING THE EXTERNAL SINGLE CHECK VALVE

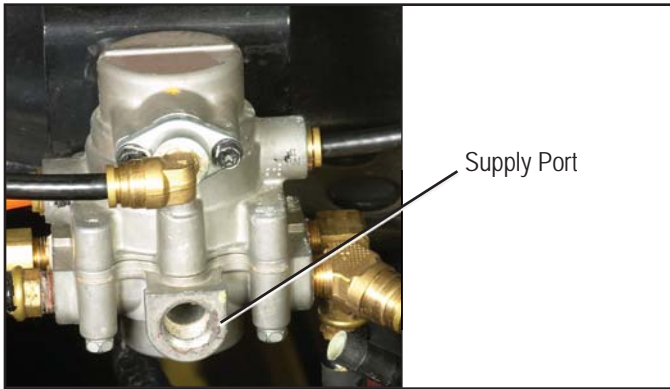


Figure 5- EXTERNAL SINGLE CHECK VALVE REMOVED

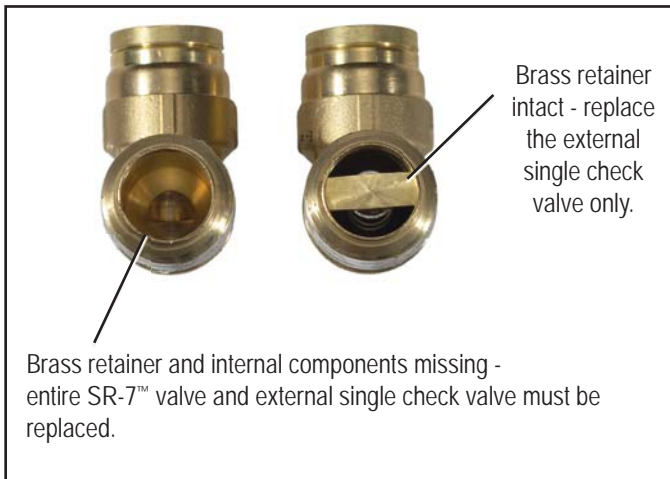


Figure 6 - PARKER SINGLE CHECK VALVE

7. Using pipe sealant install the new external single check valve and any fittings that were removed. **Note:** Do not remove the check valve identification ring from the replacement single check valve. Be sure that orientation of the fittings is the same. Teflon tape is not an acceptable substitute for pipe sealant. Install fittings finger tight, then tighten 1.5 - 2 turns. For shaped fittings, such as tees and elbows, tighten no more than one additional turn to the final position.
8. Reconnect any air lines that were disconnected.

TESTING THE SR-7™ SPRING BRAKE MODULATING VALVE

Perform operating and leakage tests as outlined below.

OPERATING TEST

Block vehicle and hold by means other than vehicle brakes. Charge air brake system to governor cut-out pressure.

Place parking control valve in "release" position. Observe that spring brake actuators release fully.

Place parking control valve in "park" position. Observe that spring brake actuators apply promptly, within 3 seconds.

LEAKAGE TEST

Place the park control valve in the "release" position; using a soap solution, coat all ports including the exhaust port and external check valve, if applicable. A 1" bubble in 3 seconds is permitted (175 SCCM).

With both service reservoirs at 120 PSI, decrease the pressure at the secondary reservoir to 0 PSI. The primary reservoir should not drop below 100 PSI.

If the Parker external check valve or SR-7™ valve do not function as described, or if leakage is excessive, it is recommended that it be replaced with a new unit available from a Bendix parts outlet.

INSTALLATION IDENTIFICATION

If the tie wrap has not already been secured to the valve, secure it to the valve or fitting in a conspicuous location to identify that the field repair has been performed.

**Recall Assistance Center
1-877-461-2732**

www.Bendix.com

sr7campaign@bendix.com

