



Installation Instructions

PARKER SINGLE CHECK VALVE REPLACEMENT KIT

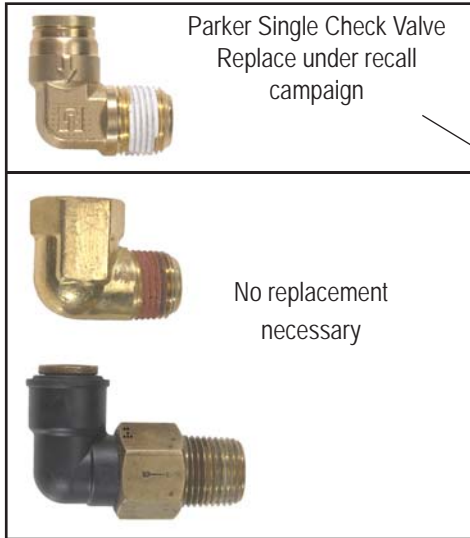
BENDIX® SR-7™ SPRING BRAKE MODULATING VALVE

Recall Campaign No.: 07E-038

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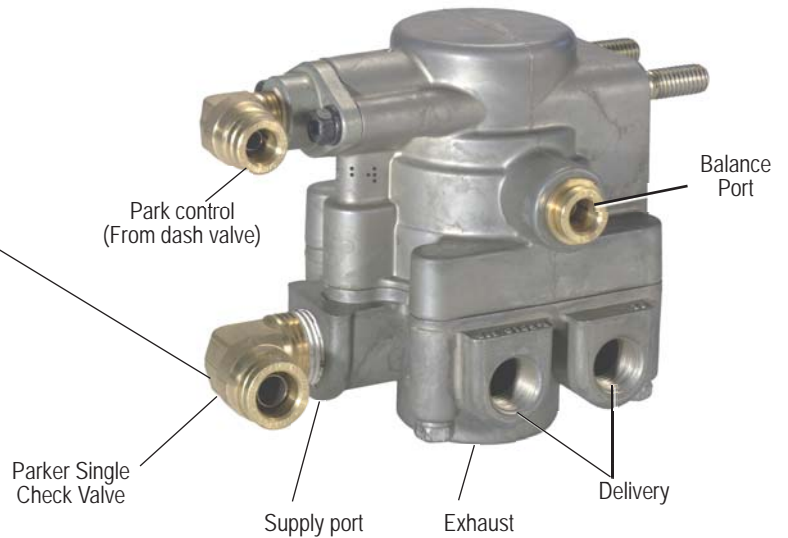
Single Check Valves that might be found in the supply port of the SR-7™ valve



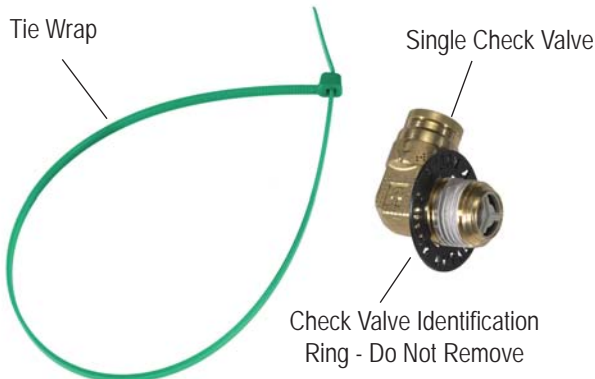
Parker Single Check Valve
Replace under recall campaign

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.

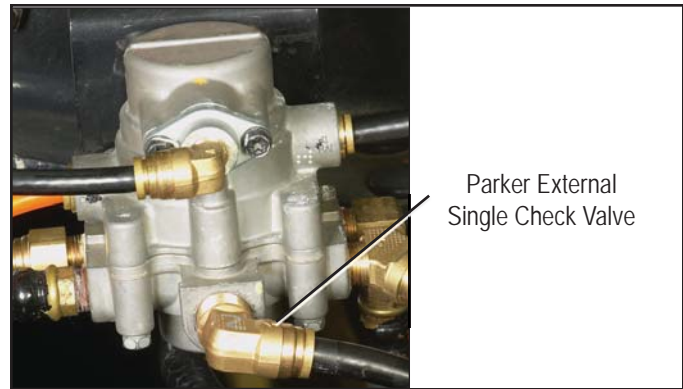


Figure 2 - SR-7™ VALVE & PARKER SINGLE CHECK VALVE



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.

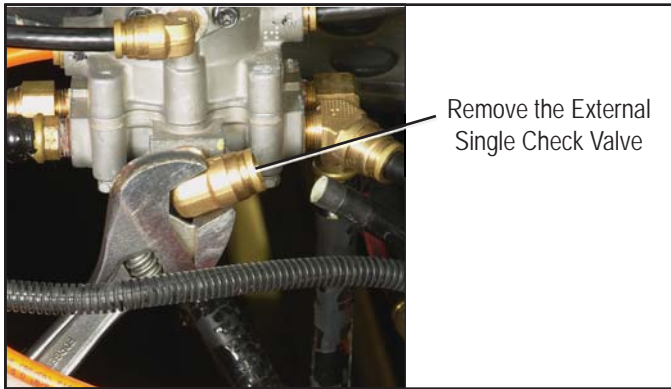


Figure 4- REMOVING THE EXTERNAL SINGLE CHECK VALVE

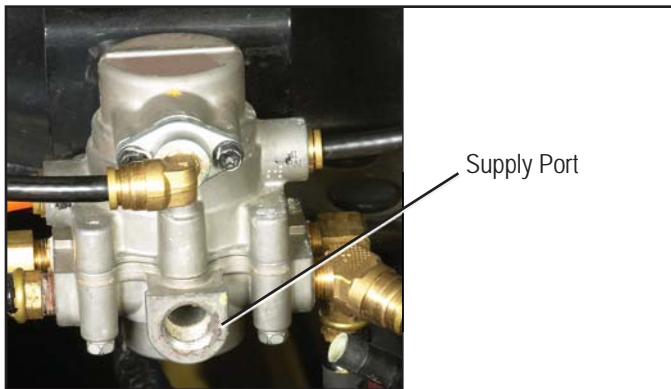


Figure 5- EXTERNAL SINGLE CHECK VALVE REMOVED

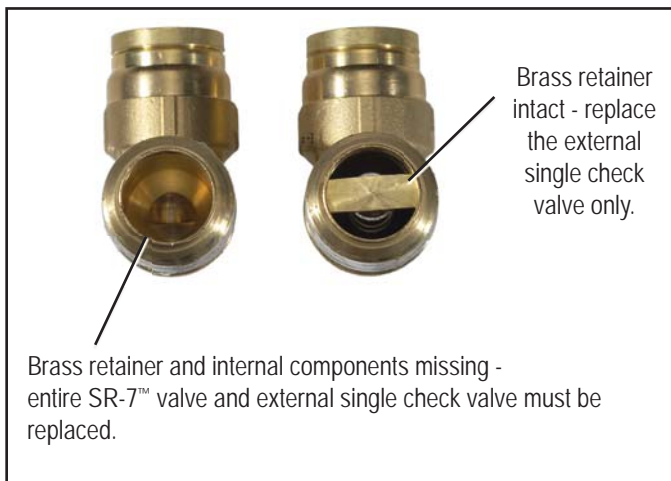


Figure 6 - PARKER SINGLE CHECK VALVE

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**

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