



Installation Instructions

BENDIX® SR-7™ SPRING BRAKE MODULATING VALVE RETROFIT KIT

Recall Campaign Nos.: 07E-037 or 07E-038

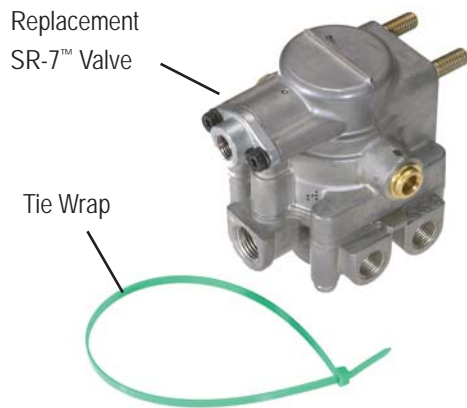
Vous pouvez vous procurer une copie de ce document en français sur le site www.Bendix.com en cliquant sur le lien "Recall Assistance Center" (Centre d'assistance pour les rappels produits).

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).

Kit Contents

The SR-7™ valve retrofit kit contains the following components:

Description	Qty.
SR-7™ Valve	1
Green Tie Wrap	1



SR-7™ Valve Port Designations

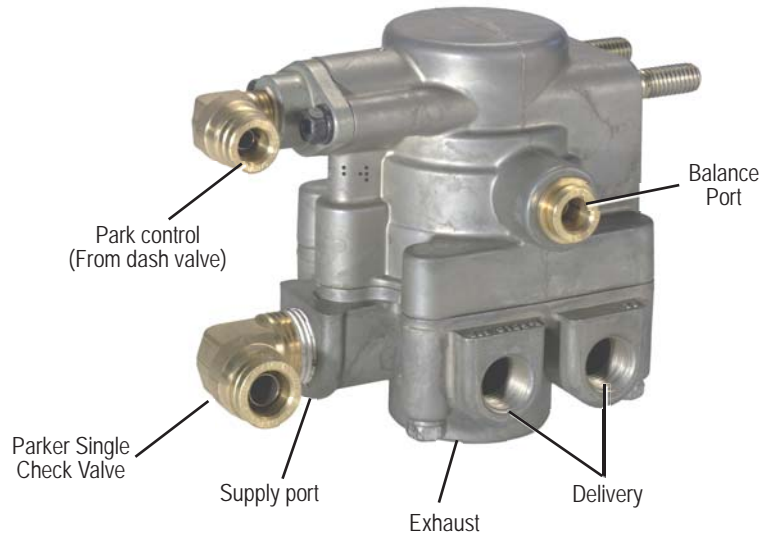


Figure 1 - BENDIX® SR-7™ SPRING BRAKE MODULATING VALVE PORT DESIGNATIONS AND KIT CONTENTS

GENERAL

This instruction sheet is intended to provide the necessary information to replace the Bendix® SR-7™ spring brake modulating valve. This is in connection with Recall Campaign numbers 07E-037 or 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.



Figure 2 - SINGLE CHECK VALVE IDENTIFICATION

VALVE IDENTIFICATION

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

VALVE REMOVAL

1. Prior to removing the SR-7™ valve, review the general safety guidelines of this document.
2. Identify and mark all air lines before disconnecting.
3. Remove the two mounting nuts that secure the valve to the frame rail and remove the valve.
4. Compare the valve that was removed to the replacement valve. If the valve that was removed contains fittings or pipe plugs that the new valve does not, note their orientation and remove the fittings.
5. If the removed SR-7™ valve contains an external single check valve in the supply port, identify the type of check valve. **If the SR-7™ valve contains a Parker single check valve do not reuse it in the replacement SR-7™ valve. The Parker single check valve is also covered by Recall Campaign No. 07E-038.** Contact the Bendix recall assistance center for a replacement. Refer to Figure 2 for check valve identification.
6. If the external single check valve located in the supply port is not a Parker single check valve, it must be removed and reinstalled on the replacement valve. A standard fitting **is not** an acceptable substitute.
7. Using pipe sealant, install the fittings that were removed into the replacement SR-7™ 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.

VALVE INSTALLATION

1. Align the valve mounting studs with the mounting holes on the vehicle frame rail. Tighten the mounting nuts to 180-220 in. lbs.
2. Install the valve onto the vehicle ensuring all air lines are connected as marked during disassembly.
3. Secure the included tie wrap on the valve or fitting in a conspicuous location to identify that the field repair has been performed.

TESTING THE REPLACEMENT SR-7™ SPRING BRAKE MODULATING VALVE

Perform operating and leakage tests as outlined in "Operating Test" section.

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. A 1" bubble in 3 seconds is permitted (175 SCCM).

If the valve does 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

