



# Installation Instructions

KIT  
PC. No. 282350

FIELD MAINTENANCE KIT TWO-COMPARTMENT RESERVOIR CHECK VALVE

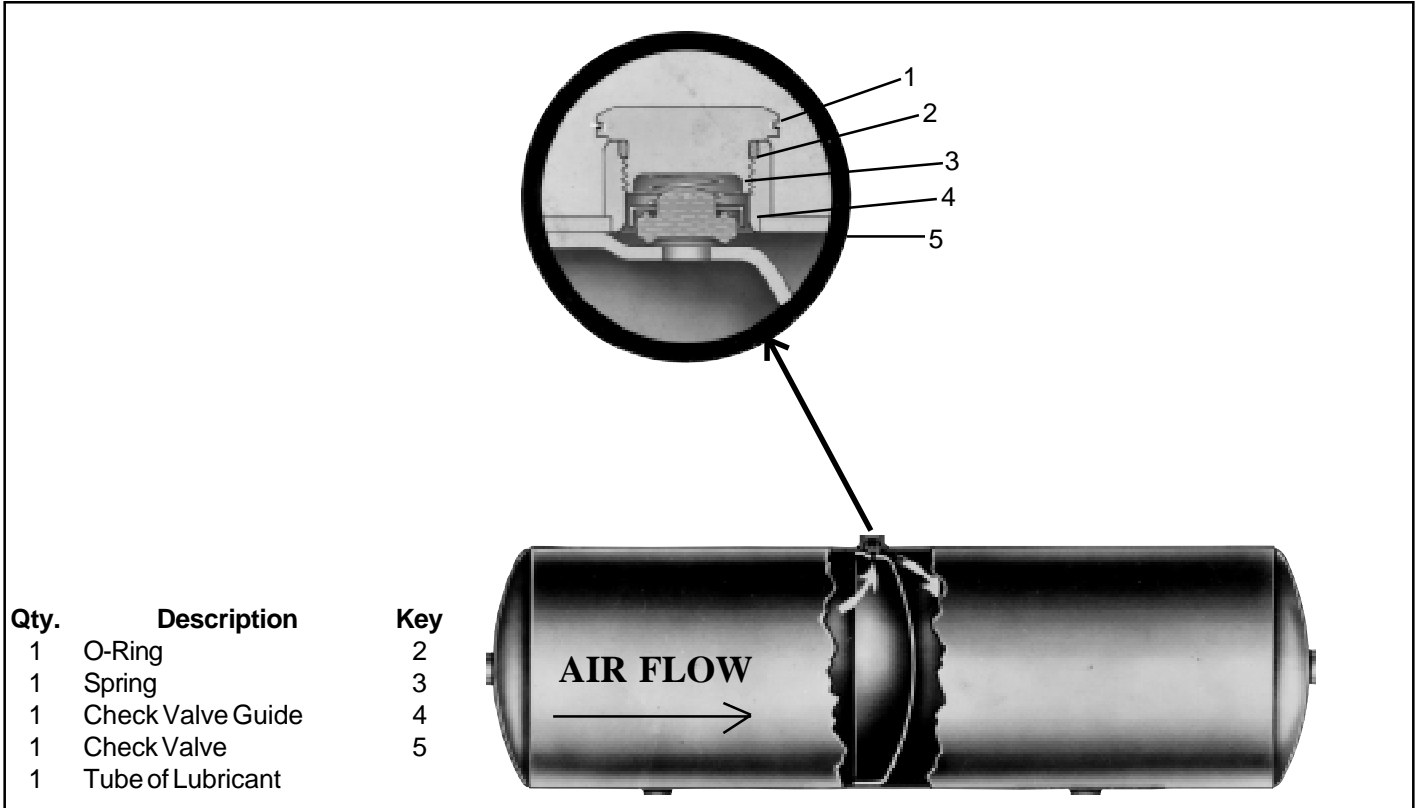


Figure 1 Two Compartment Reservoir

**IMPORTANT! 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.
2. Stop the engine when working around the vehicle.
3. If the vehicle is equipped with air brakes, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle.
4. Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in manner that removes all electrical power from the vehicle.
5. When working in the engine compartment the engine should be shut off. 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.

6. 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.
7. Never exceed recommended pressures and always wear safety glasses.
8. 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.
9. Use only genuine Bendix replacement parts, components, and kits. Replacement hardware, tubing, hose, fittings, etc. should be of equivalent size, type, and strength as original equipment and be designed specifically for such applications and systems.
10. Components with stripped threads or damaged parts should be replaced rather than repaired. Repairs requiring machining or welding should not be attempted unless specifically approved and stated by the vehicle or component manufacturer.
11. Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.

## REMOVAL

1. Block vehicle wheels and/or hold vehicle by means other than air brakes.
2. Drain all air brake system reservoirs.

## DISASSEMBLY

1. Remove cap nut (1) and O-Ring (2) and discard O-Ring.
2. Remove and discard spring (3), check valve (5) and guide (4).

## ASSEMBLY

Prior to assembly, clean the check valve bore and seat in the reservoir. Lubricate the O-Ring and cap nut prior to assembly.

1. Install check valve (5) in the position shown in Figure 1 inset.
2. Install check valve guide (4) over check valve (5). The flange of the guide should surround the check valve as shown in Figure 1.
3. Install valve spring (3) on valve guide (4).
4. Install O-Ring (2) on cap nut (1) and install the cap nut and torque to 150-400 inch pounds.

## OPERATING AND LEAKAGE TESTS

1. Build the air system to full governed pressure and shut off engine.
2. Apply a soap solution around the cap nut (1). No leakage permitted.
3. Determine the direction of air flow through the reservoir and drain the number one compartment and **all other** reservoirs in the air system. The number two compartment should retain full pressure.
4. After draining the air pressure, wait two minutes and apply a soap solution to the drain **cock** on the number one compartment. Leakage should not exceed a one inch bubble in five seconds.

