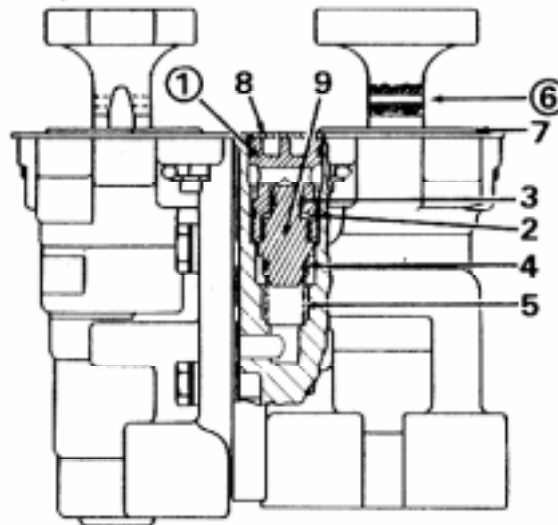




Installation Instructions

KIT
PC. No. 101557

DUAL CIRCUIT SUPPLY VALVE FOR MV-2 VALVE



<u>Key No.</u>	<u>Quan.</u>	<u>Description</u>
1	1	O-Ring (.816" O.D.)
2	1	O-Ring (.754" O.D.)
3	1	O-Ring (.348" O.D.)
4	1	O-Ring (.504" O.D.)
5	1	Piston Spring
	1	Silicone Lubricant

Figure 1 This kit consists of the parts listed above.

**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.

DISASSEMBLY

The dual circuit supply valve is located in the tractor control body casting and is removed by first removing the cover plate under the yellow button. If the tractor control spool is not being replaced, it need not be removed; however, the yellow button will have to be removed.

1. Remove the roll pin (6) and remove the yellow button.
2. Remove the four cover plate screws and remove cover plate (7).
3. Grasp the web in the top of the dual circuit supply valve spool (8) with narrow nose pliers and twist and pull the spool out.
4. The shuttle (9) should also come out with the spool. Remove shuttle (9), shuttle return spring (5) and O-Rings (1), (2), (3) and (4).

ASSEMBLY

Lubricate O-Rings, bore, spool and shuttle with the lubricant supplied in the kit (BW- 291126).

1. Assemble the O-rings (1), (2), (3) and (4) on the spool (8) and shuttle (9).
2. Assemble the shuttle in the spool, place the spring (5) in the bore and assemble the spool and shuttle in the bore. NOTE: The large end of the shuttle (9) must be at the spring end.
3. Place the cover (7) over the tractor control spool and install the four cover screws. Torque to 25 inch lbs.
4. Install the yellow button and insert the roll pin (6).

TEST

Charge both reservoirs to 120 P.S.I. Position the red button out and the yellow button in. Develop a leak in the spring brake delivery line and hold the yellow button in. The No. 1 reservoir pressure must reduce to zero and the No. 2 reservoir to less than 25 P.S.I. As the system leaks down, the dual circuit supply valve should cycle several times.