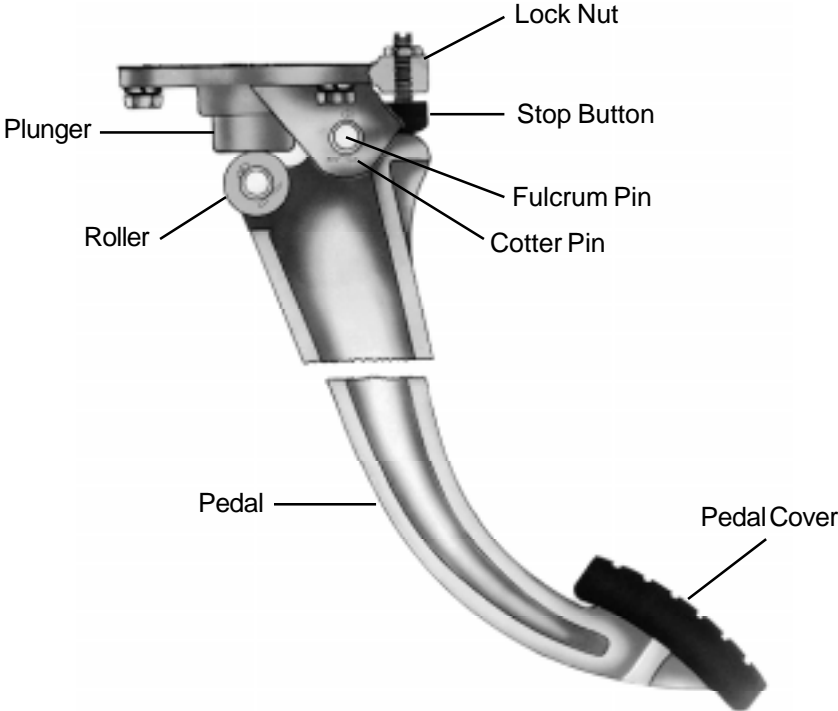




Installation Instructions

FIELD MODIFICATION KIT E-7 BRAKE VALVE PEDAL



QTY.	Description
1	Brake pedal assembly (pedal, pedal cover, roller)
1	Cotter Pin

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.

PEDAL REMOVAL

NOTE: It should not be necessary to remove the E-7 brake valve from the vehicle in order to replace the pedal. However, if it is imperative that the valve be removed, identify the two supply and two delivery lines to their respective ports on the valve. There may also be air lines to other brake devices inside the cab, which should be properly identified before disconnecting. In the case of a manifold-type installation, the three cap screws that hold the manifold to the brake valve may be removed and the brake valve removed.

1. Back up the lock nut and screw in the stop button by hand until it bottoms on the mounting plate. This will remove the tension from the pedal.
2. Remove and discard the fulcrum pin's cotter pin.
3. Push out and retain the fulcrum pin. Note: the plunger may fall out of its bore. If so, catch it and retain it. If it doesn't fall out, remove it.
4. Remove the brake pedal.

PEDAL INSTALLATION

1. Inspect the plunger bore for egg-shaping. If any eggshaping due to wear exists, replace the mounting plate before continuing with the pedal kit installation.
2. Check the plunger for excessive scuffing or wear. Replace the plunger if any damage exists.
3. Inspect the fulcrum pin and its bore in the mounting plate. Replace the pin and/or mounting plate if excessive damage or distortion exists.
4. Clean any accumulated contamination from the plunger bore and plunger.
5. Using a light oil, lightly lubricate the roller, plunger bore, plunger, and pin bores.
6. Install the plunger into the mounting plate.
7. While holding the plunger, install the new pedal. Install the fulcrum pin and secure it with the new cotter pin.
8. Adjust the stop button so that the roller and plunger are in contact. The roller should be able to be turned freely by thumb.
9. Tighten lock nut.
10. By hand, push the pedal through its full range of motion. Be sure the roller and plunger travel smoothly and freely with the movement of the pedal.
11. If the valve had been removed, install it using the identifications made in the "REMOVAL" note.

Refer to SD-03-6 for further information on maintenance, operation and testing of the E-7 brake valve.

