



# Installation Instructions

KIT  
PC. No. 285519

FIELD MAINTENANCE KIT FOR AIR DRYER PURGE VALVE

Qty.	Description	Pc. No.	Key
1	Cover O-Ring	292236	1
1	Lock Nut	230402	2
1	Valve O-Ring	240542	3
1	Valve	248571	4
1	Small Plunger O-Ring	240543	5
1	Plunger Return Spring	241851	6
1	Large Plunger O-Ring	242393	7
1	Cap Nut Seal Ring	231551	8
1	Lubricant (1/4 oz. BW 204-M)	246671	

**Note:** The above list of parts is keyed to the numbers on Figure 1, so location of parts can be determined.

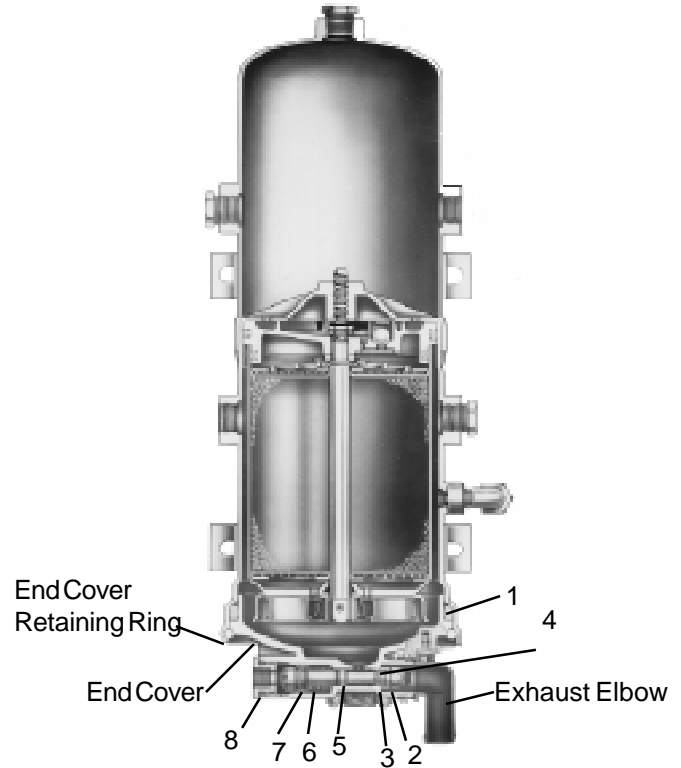


Figure 1 This kit consists of the parts listed above.

**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.

## REMOVAL AND REPLACEMENT OF PARTS

1. Make certain vehicle is safely parked. Block wheels if necessary.
2. Drain reservoir that supplies governor.
3. Disconnect air line from end cover and mark location of this port on dryer.
4. Disconnect heater wire if so equipped.
5. Loosen three cap screws on end cover and turn retaining clamps aside. Cap screws may be left finger tight.
6. Locate notch in dryer shell. Insert blade of screwdriver in notch and slowly pry out retainer ring. Remove clamp and elbow from exhaust. Remove end cover assembly and discard old cover O-Ring, Key No. 1.
7. Removal and replacement of plunger O-Rings (end cover assembly). *NOTE: Clean exterior of end cover assembly before disassembly.*
  - A. Remove capnut and discard old cap nut O-Ring, Key No. 8.
  - B. Place handle of large screwdriver in vise and secure.
  - C. Place slot in plunger (cap nut end) over blade of screwdriver, hold securely and remove nut from plunger with 1/2" socket and discard old nut, Key No. 2.
  - D. Remove plunger, spring and nylon valve and discard old parts, Key No. 4 and Key No. 6.
  - E. Clean and inspect bore of end cover. Remove and discard three (3) O-Rings, Key No. 3, 5 and 7, from plunger. Clean plunger.
  - F. Lubricate O-Rings and install on plunger and cap nut. Lubricate plunger bore.
  - G. Install spring and plunger in bore (cap nut end).
  - H. Install white nylon valve in bore, making certain chamfer end of valve is placed in bore first.
  - I. Using screwdriver held in vise (as described in B and C of this instruction sheet) compress plunger, install nut and tighten.
  - J. Install cap nut and tighten.
8. Check seat for end cover O-Ring to be certain it is clean, lubricate O-Ring, install on end cover and stall end cover in dryer shell.
9. Position end cover as marked in #3, install retainer ring so that gap in ring is within one inch of notch in shell.
10. Position retainers so that they contact shell and tighten cap screws. Reinstall exhaust elbow and clamp.
11. Connect air line to unloader port.
12. Connect heater wire if so equipped.
13. Check air dryer operation and test per SD-08-2403.

