



Installation Instructions

KIT PC. No.
103976

SPECIAL PR-4 PRESSURE PROTECTION VALVE

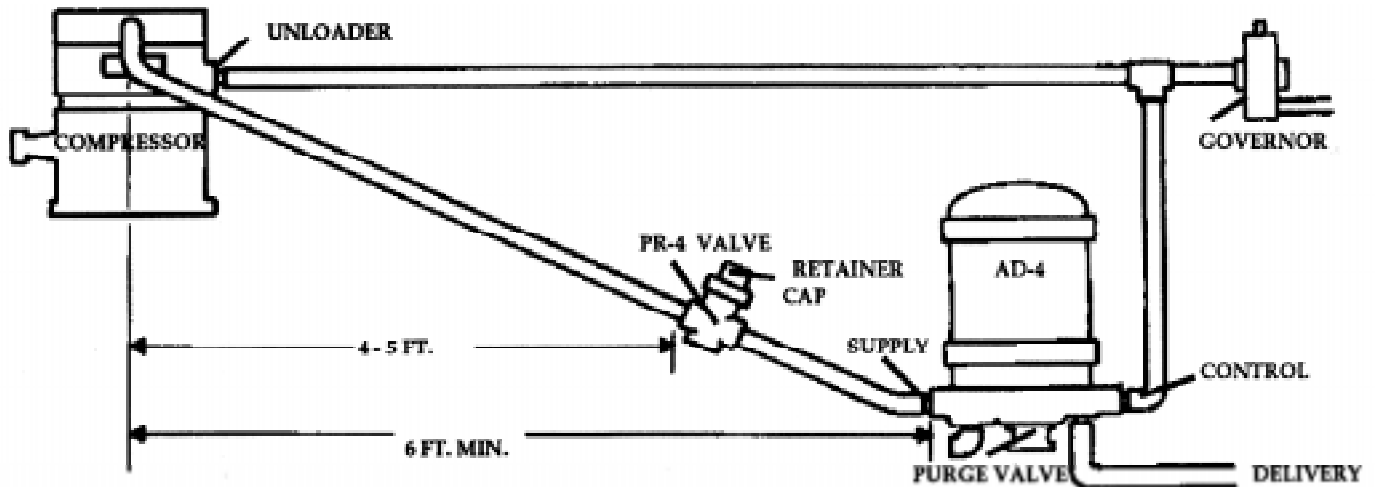


Figure 1

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.

GENERAL

Part no. 103976 is a special PR-4 Pressure Protection Valve with 1/2" pipe thread porting, metal inlet valve and seat, and high temperature O-ring. The flat metal surface next to the delivery port bears the valve's stamped part number.

This valve is designed for systems that use an air dryer and a turbocharged compressor inlet. Installation in the compressor discharge line prevents turbocharged pressure loss through the open purge valve of the air dryer or aftercooler when the compressor is unloaded.

INSTALLATION

Mount the valve four to five feet from the compressor discharge, with its spring retainer (cap) directed away from the road. The discharge line must have a continuous slope downward from the compressor to the air dryer. If there are any upward or downward deviations, the line can trap water. (See sketch on previous page)

When installing the special PR-4, use brass fittings instead of steel.

Frame or bracket mount the valve rigidly. The valve should not be installed in an unsupported manner. Mount the valve with 1/4" cap screws. Make sure the screws are long enough to accommodate the 1.88" width of the PR-4 valve, as well as the mounting surface width and any lockwashers that may be used.

Record this special PR-4 part number on catalog pages 03-A-12, 08-A-1, 08-A-3 and 08-A-5. Note that this valve does not use all of the common service parts listed on 03-A-12.

