



Installation Instructions

INLET CHECK VALVE GASKET REPLACEMENT FOR THE BA-921™ COMPRESSOR

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.

PREPARATION FOR DISASSEMBLY

These instructions are general and are intended to be a guide. In some cases additional preparations and precautions are necessary. In all cases follow the instructions contained in the vehicle maintenance manual in lieu of the instructions.

1. Remove as much road dirt and grease from the exterior of the inlet check valve as possible.
2. We recommend that the check valve assembly be removed from the vehicle in order to replace the gasket. Remove the inlet and discharge fittings, and note their position to aid in reassembly.
3. Locate the mounting bracket holding the check valve. Remove and retain the mounting hardware. The check valve may now be removed from the vehicle.
4. Inspect the exterior of the check valve assembly for damage, including cracks, etc. Replace as necessary.
5. Remove and retain the four bolts holding the cover in place.
6. Remove cover and, taking care not to damage the valve surfaces, carefully scrape off any residual gasket material with a scraper.
7. All parts should be cleaned in a good commercial grade of solvent and dried prior to inspection.

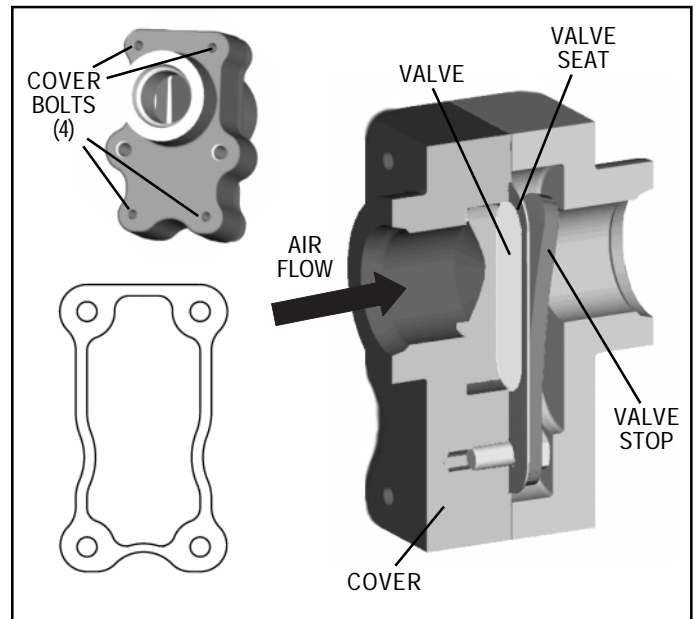


FIGURE 1 -INLET CHECK VALVE ASSEMBLY AND GASKET

INSPECTION AND REASSEMBLY

8. Inspect check valve interior, including the valve, valve seat, and valve stop installed in the cover, for damage. Replace as necessary.
9. Lay the new gasket in place, aligned with the cover bolt holes. Note that either side of the gasket can face the cover. The coating film on the gasket surface should not be removed. Install the four bolts through the cover. Using a cross-pattern, torque to 9-11 N-m (80-97 lb. in.).
10. Follow steps under the Returning the Vehicle to Service section below.

RETURNING THE VEHICLE TO SERVICE

11. Re-install the mounting bracket using the hardware removed during disassembly. Note that the air flow enters the cover of the check valve assembly.
12. Install the inlet and outlet fittings as marked during disassembly. Make certain the threads are clean and the fittings are free of corrosion. Replace fittings as necessary. Follow vehicle manufacturer guidelines for torque specifications.
13. Before returning the vehicle to service, perform the Operation and Leakage Tests specified below.

OPERATION & LEAKAGE TESTS

14. Start the engine and note that air system steadily builds pressure.
15. Apply a soap solution around the check valve assembly. A maximum of a one-inch bubble in five minutes is acceptable. If leakage is detected try re-torquing the cover bolts after draining all air pressure. Replace the inlet check valve assembly if replacing the gasket has not resolved the leakage problem.

Part # 5013115

Fragile! Do Not Bend or Crease!

See this instruction sheet for further information and warnings.