



Installation Instructions

PuraGuard™ DL
801290

PURAGUARD™ DL

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.
12. A safety valve must be installed at the compressor.

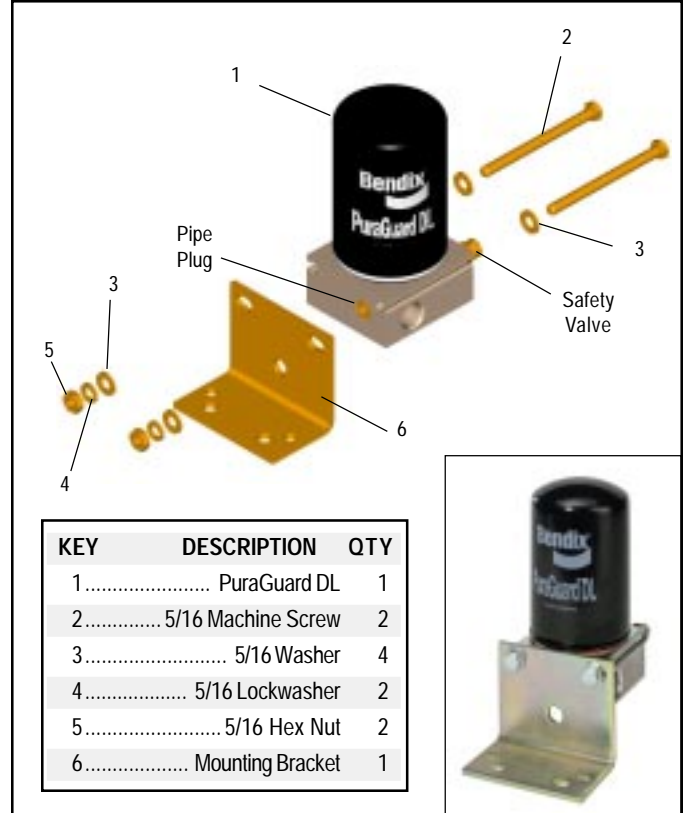


FIGURE 1 - PURAGUARD DL EXPLODED VIEW

KIT DESCRIPTION

This kit is intended for installing the Bendix PuraGuard DL.

VEHICLE PREPARATION

1. Park the vehicle on a level surface and prevent movement by means other than the brakes.
2. Drain all reservoirs to 0 p.s.i.

ASSEMBLY

1. The bottom of the PuraGuard DL has an arrow symbol showing the direction that the air must be supplied (see

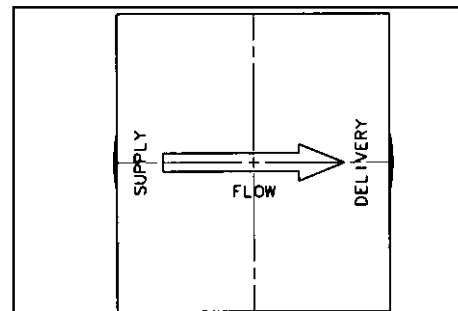


FIGURE 2 - BOTTOM VIEW - SHOWS AIR FLOW

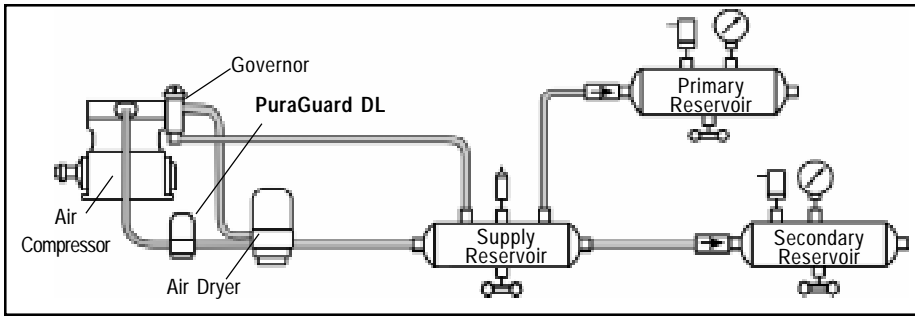


FIGURE 3 - PURAGUARD DL INSTALLATION - SYSTEM WITH AIR DRYER

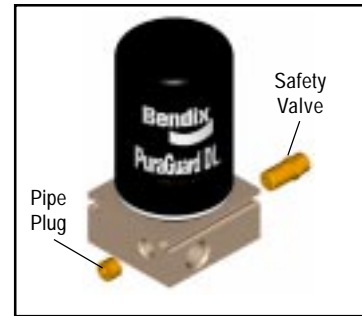


FIGURE 4 - INTERCHANGING VALVE AND PLUG

Figure 2). Align the PuraGuard DL correctly and then insert the two bolts through the mounting bracket holes. Tighten to approximately 15 ft. lbs.

LOCATING THE PURAGUARD™ DL ON THE VEHICLE

1. The PuraGuard DL must be mounted within 45° of vertical and must not be exposed to direct wheel splash (located behind axle mud flap is acceptable).
2. Locate the PuraGuard DL three to six feet from the compressor.
For proper operation, an air dryer must be in the air system.
3. To minimize vibration, mount the PuraGuard DL on a frame rail or bulkhead fitting. Do not mount the PuraGuard DL directly on the engine.
4. Do not locate the PuraGuard DL near heat producing components such as the vehicle exhaust and provide adequate clearance from moving components e.g. drive shaft, suspension, pitman arm, etc.
5. Locate the PuraGuard DL on the vehicle with a minimum 12 inches of clearance horizontally (90° minimum arc) to allow servicing. This will permit, for example, a strap wrench to be used when replacing the filter cartridge.
6. Be sure that there is sufficient room to attach hoses to the PuraGuard DL. Hoses must be installed without tight turns that might cause air flow restrictions. Note: Check that the hose attachment agrees with the air flow arrow symbol (see Figure 2).

7. To permit changing of the filter cartridge, one inch clearance is necessary above the cartridge.
8. If necessary, the pipe plug and safety valve can be interchanged to facilitate the installation. (Figure 4) Tighten the safety valve to 275 inch-lbs. and the pipe plug to 275 inch-lbs. **Only if they have been interchanged.**

MOUNTING THE PURAGUARD DL

1. After positioning the PuraGuard DL according to the installation requirements, mark the position of the mounting holes on the frame rail. Note: Check the vehicle manual before drilling a frame member.
2. Use vehicle manufacturer guidelines for mounting hardware (use at minimum grade 5 hardware).

CONNECTING THE AIR HOSES

Follow Figure 3 for air hose arrangement.

1. The PuraGuard DL supply and delivery ports are 1/2-14 NPT. Install minimum 1/2 inch inside diameter air hoses.

OPERATIONAL TEST

Build the air system to governor cutout. Shut off the engine. Using a soap solution, check all lines and fittings leading to and from the PuraGuard DL for leakage and integrity. Repair any excessive leaks - exceeding a 1 inch bubble in 5 seconds - before restoring vehicle to service.

For further maintenance information see Service Data Sheet SD-08-187A.