



Installation Instructions

QRN-2 QUICK RELEASE VALVE

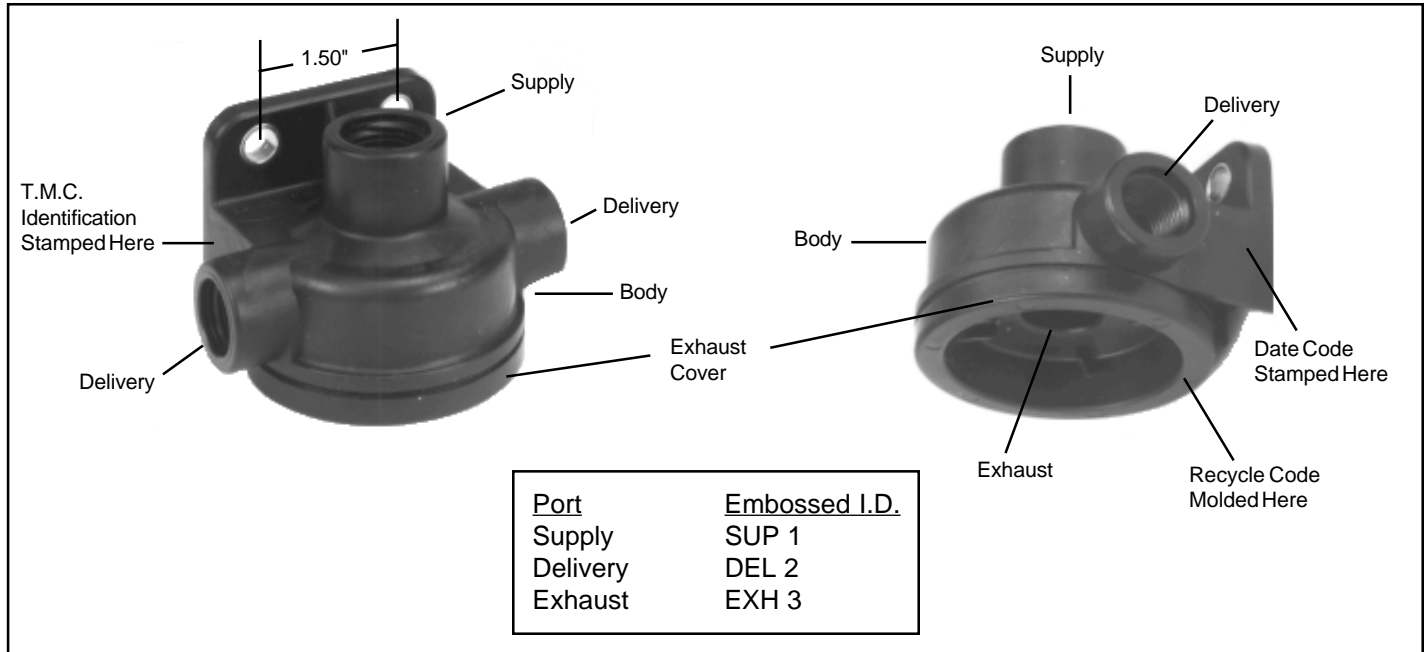


Figure 1 - QRN-2 Quick Release Valve

**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

1. Identify and mark or label all air lines and their connections to the QRN-2. Then disconnect the air lines.
2. Remove the QRN-2 from the vehicle. Retain the mounting hardware.

INSTALLATION

1. Install the QRN-2 on the vehicle using the mounting hardware saved during removal.
2. Reconnect all air lines to the valve using the identification made during removal.
3. Test all air fittings for excessive leakage and tighten as needed. **NOTE: MAXIMUM TORQUE FOR FITTINGS IS 10 FT. LBS.** Perform **OPERATIONAL AND LEAKAGE TESTS** before placing the vehicle back into service.

OPERATIONAL AND LEAKAGE TESTS

1. Block the vehicle's wheels and fully charge the air system.
2. Apply and release the service brakes several times and check for prompt response of the brakes at the appropriate wheels.
3. With the air system fully charged, apply a soap solution to the QRN-2 exhaust port. Leakage of a one inch bubble in five seconds is permissible.
4. Make and hold a full brake application and again apply a soap solution to the QRN-2 exhaust. Leakage of a one inch bubble in three seconds is permissible.
5. With the brakes still applied, apply a soap solution around the valve where the exhaust cover meets the body. No leakage at this point is permitted.

If the valve does not function as described, or if leakage is excessive, replace it at any authorized parts outlet.