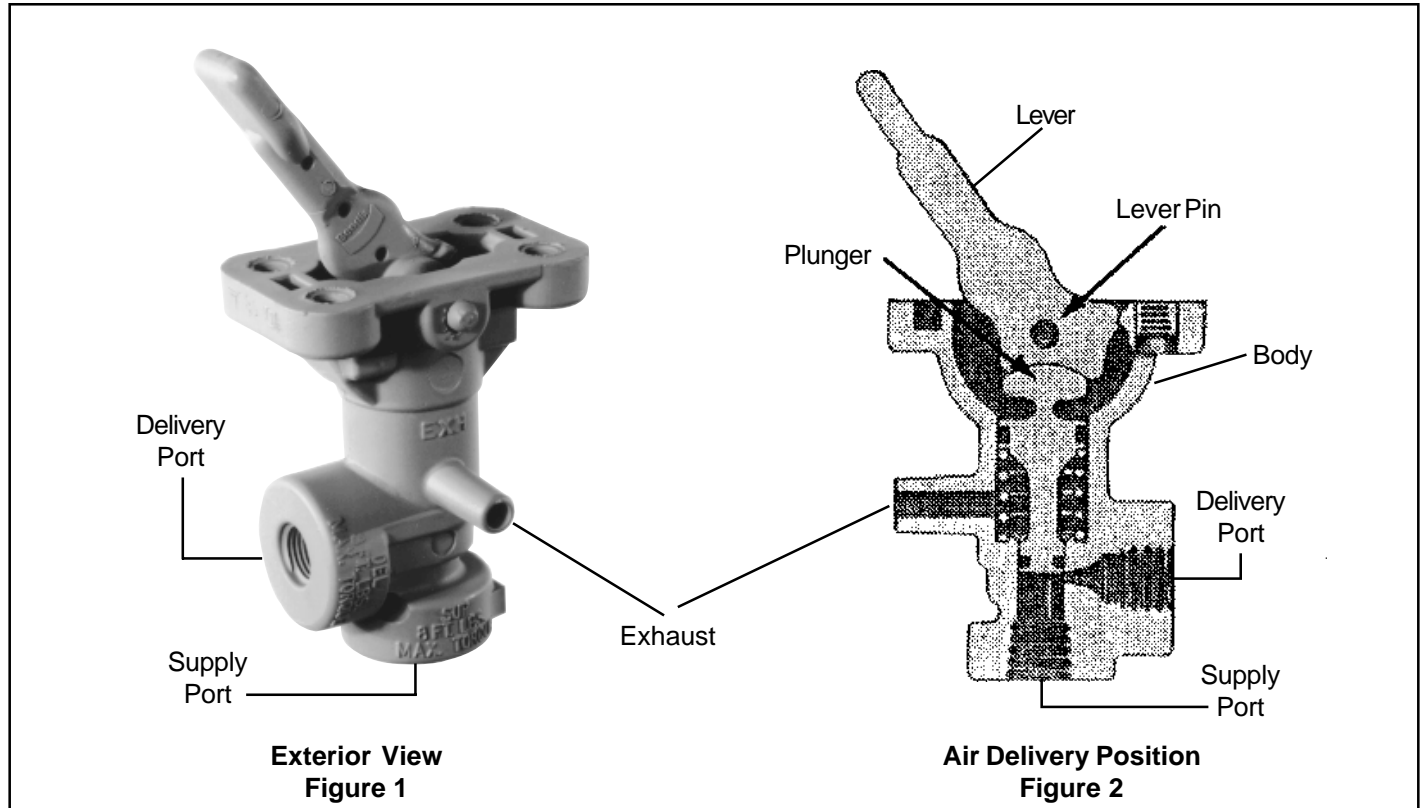




Installation Instructions

KIT
PC. No. 065019

TW-NTWOWAY CONTROL VALVE LEVER REPOSITIONING INSTRUCTIONS



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

Depending on how the control lever is installed, the TW-N can be placed in the air delivery position by moving the lever to the left as illustrated in Figure 2 or to the right. Should it be necessary to reposition the control lever to meet installation requirements, the following procedure should be used.

1. Move the lever to the air delivery position. **NOTE:** The TW-N is in the air delivery position when the plunger is closest to the mounting surface of the body. Confirm that the TW-N is in the air delivery position by applying air to the support port and noting that it exits the delivery port.
2. Using a drift punch drive the lever pin out and remove the lever.
3. Rotate the lever 180° and reinstall. When reinstalling the lever, it is necessary to gently depress the lever and plunger to align the lever pin holes in the body and lever.
4. Align the lever pin holes in the valve body and lever and install the lever pin. Before pressing the pin completely into position, confirm that the lever is in the desired position and that the valve is still in the air delivery position.
5. Press the lever pin into the valve body until it is flush with the body. It may be necessary to hold the lever to guide the pin into the body hole opposite the press.
6. Before placing the TW-N into regular service, install it on the vehicle and test for proper operation and leakage. **IMPORTANT:** Do not exceed 8 ft. lbs. (10.85 N.m) torque when installing fittings in the supply and delivery ports.

OPERATION & LEAKAGE TESTS

1. With vehicle air pressure at governor cut-out and the engine turned off, place the TW-N Control Lever in the air delivery position. Note that the device being controlled promptly responds. Place the control lever in the air exhaust position and note that air is promptly and completely exhausted from the TW-N.
2. With the TW-N in the exhaust position apply a soap solution to the exhaust. Leakage should not exceed a one inch (25.4 mm) bubble in five seconds or less.
3. With the TW-N in the air delivery position apply a soap solution to the exhaust and around the plunger. Leakage should not exceed a one inch (25.4 mm) bubble in five seconds or less.

If the TW-N does not function as described or leaks excessively, it should be replaced or repaired using a genuine Bendix maintenance kit available at authorized Bendix parts outlets.

