



Installation Instructions

BENDIX® AD-IS® AIR DRYER DRAIN VALVE REPLACEMENT KIT

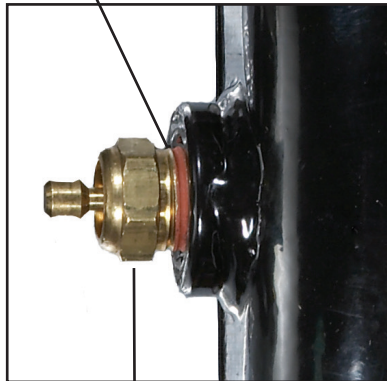


Bendix® Dryer Reservoir Module (DRM) with an AD-IS® Air Dryer

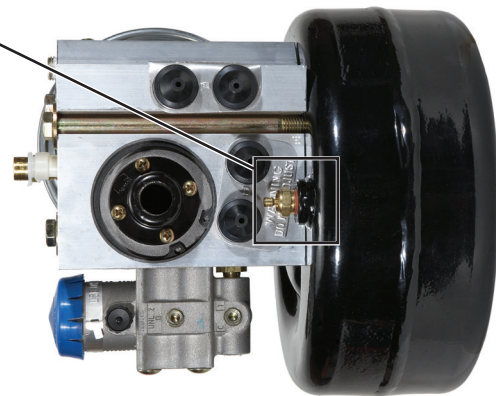


Bendix® AD-IS® Air Dryer with Purge Reservoir

Thread Sealant



Drain Valve



Bendix® AD-IS® Air Dryer with Purge Reservoir (bottom view)

Figure 1 *Bendix® AD-IS® Air Dryer Drain Valve Replacement Kit*



GENERAL SAFETY GUIDELINES



**WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS
TO AVOID PERSONAL INJURY OR DEATH:**

When working on or around a vehicle, the following guidelines should be observed **AT ALL TIMES**:

- ▲ Park the vehicle on a level surface, apply the parking brakes and always block the wheels. Always wear personal protection equipment.
- ▲ Stop the engine and remove the ignition key when working under or around the vehicle. When working in the engine compartment, the engine should be shut off and the ignition key should be removed. 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.
- ▲ 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.
- ▲ If the work is being performed on the vehicle's air brake system, or any auxiliary pressurized air systems, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle. If the vehicle is equipped with a Bendix® AD-IS® air dryer system, a Bendix® DRM™ dryer reservoir module, or a Bendix® AD-9si™ air dryer, be sure to drain the purge reservoir.
- ▲ Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
- ▲ You should consult the vehicle manufacturer's operating and service manuals, and any related literature, in conjunction with the Guidelines above.
- ▲ Never exceed manufacturer's recommended pressures.
- ▲ 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.
- ▲ Use only genuine Bendix® brand replacement parts, components and kits. Replacement hardware, tubing, hose, fittings, etc. must be of equivalent size, type and strength as original equipment and be designed specifically for such applications and systems.
- ▲ Components with stripped threads or damaged parts should be replaced rather than repaired. Do not attempt repairs requiring machining or welding unless specifically stated and approved by the vehicle and component manufacturer.
- ▲ Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
- ▲ For vehicles with Automatic Traction Control (ATC), the ATC function must be disabled (ATC indicator lamp should be ON) prior to performing any vehicle maintenance where one or more wheels on a drive axle are lifted off the ground and moving.
- ▲ The power **MUST** be temporarily disconnected from the radar sensor whenever any tests **USING A DYNAMOMETER** are conducted on a Bendix® Wingman® Advanced™-equipped vehicle.

DESCRIPTION

The following instructions describe the removal and installation procedures necessary to replace the drain valve on a Bendix® AD-IS® Air Dryer.

REMOVING THE DRAIN VALVE

Refer to Figure 1.

1. Clean the exterior of the AD-IS air dryer reservoir and drain valve area.

CAUTION: While performing service on the air dryer, it is not recommended that a clamping device (vise, C-clamp, etc.) be used to hold any die cast aluminum component as damage may result.

2. Remove and discard the drain valve from the reservoir.

3. Using a clean rag, wipe the drain valve port clean. Clean any thread sealant from the pipe thread.
4. Inspect for physical damage to the port and to the air dryer and reservoir.

INSTALLING THE NEW DRAIN VALVE

1. Verify the drain valve supplied has pre-applied thread sealant.
2. Install the replacement drain valve in the drain valve port of the reservoir. Tighten to 130–170 in-lbs.
3. Build up the system pressure and check for leakage around the drain valve before returning the vehicle to service.

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