Bendix 802765

Bendix 802765 - Dv-2 Air Brake Reservoir Drain Valve

User Instruction Manual

Product Overview

The Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve is a critical component designed for use in air brake systems. Its primary function is to allow for the manual draining of moisture and contaminants from air brake reservoirs, ensuring the longevity and proper operation of the entire air brake system. Regular draining is essential to prevent corrosion and freezing within the air lines and components.

Image: The Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve. This image displays the compact, robust design of the valve, which is typically black or dark-colored and features a threaded connection for installation into an air tank.

Setup and Installation

Proper installation of the drain valve is crucial for its effective operation and the safety of the air brake system. It is recommended that installation be performed by a qualified technician.

1. **Safety First:** Ensure the vehicle's air system is completely depressurized before beginning any work. Chock wheels and engage parking brakes.
2. **Locate Reservoir:** Identify the air brake reservoir(s) requiring a drain valve.

3. **Prepare Connection:** Clean the threaded port on the air reservoir where the valve will be installed. Ensure threads are free of debris and corrosion.
4. **Apply Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or liquid pipe sealant) to the threads of the Bendix 802765 drain valve. This helps ensure an airtight seal.
5. **Install Valve:** Carefully thread the drain valve into the reservoir port. Tighten the valve securely using an appropriate wrench, but do not overtighten, as this can damage the valve or the reservoir threads.
6. **Check for Leaks:** Once installed, repressurize the air system and check for any air leaks around the newly installed valve using a soapy water solution. Bubbles indicate a leak that must be addressed before operation.

Operating Instructions

The Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve is designed for simple manual operation to remove moisture and contaminants from the air tanks.

- **Frequency:** Drain air reservoirs daily, or more frequently in humid or cold conditions, to prevent moisture buildup and potential freezing.
- **Procedure:** With the air system pressurized (e.g., engine running or air compressor active), locate the drain valve on each air reservoir.
- **Open Valve:** Manually open the drain valve by pulling or turning the handle/lever (depending on valve type) until air and moisture begin to escape.
- **Drain Completely:** Allow the valve to remain open until only clean, dry air escapes. This indicates that all moisture and contaminants have been expelled.
- **Close Valve:** Close the drain valve securely to prevent air loss from the system. Ensure it is fully closed to maintain proper air pressure.

Maintenance

Regular maintenance of the drain valve ensures its reliability and the overall health of the air brake system.

- **Daily Inspection:** Visually inspect the drain valve daily for any signs of damage, corrosion, or air leaks.
- **Functionality Check:** During daily draining, ensure the valve opens and closes smoothly and completely. If it sticks or does not seal properly, it may need cleaning or replacement.
- **Cleaning:** If the valve becomes sluggish or partially blocked, it may be necessary to remove it and clean any accumulated debris. Use appropriate cleaning agents that will not damage rubber seals.
- **Replacement:** Replace the drain valve if it shows signs of significant wear, damage, or if it consistently leaks or fails to operate correctly. Do not attempt to repair a faulty valve if its integrity is compromised.

Troubleshooting

Common issues and their potential solutions for the Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve.

Problem	Possible Cause	Solution
Air Leak from Valve	• Valve not fully closed • Damaged or worn seals • Improper installation/thread sealant • Debris preventing full closure	• Ensure valve is fully closed • Inspect and replace valve if seals are damaged • Reinstall with proper thread sealant • Clean valve to remove debris
Valve is Stuck/Hard to Open/Close	• Corrosion or rust buildup • Accumulated debris inside valve • Damaged internal mechanism	• Apply penetrating lubricant (if safe for materials) • Remove and clean valve thoroughly • Replace the valve if internal damage is suspected
No Moisture Draining	• No moisture in reservoir • Valve completely blocked • Air system not pressurized	• This may be normal if air is dry • Remove and clear blockage • Ensure air system is pressurized before draining

Specifications

Key specifications for the Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve.

Manufacturer: Bendix

Brand: Bendix

Model: Valves

Item Model Number: 802765

Manufacturer Part Number: 802765

Item Weight: 15.7 ounces

Package Dimensions: 1 x 1 x 0.98 inches

Exterior: Machined

ASIN: B0BVXP5DN9

Date First Available: February 15, 2023

Warranty and Support

For specific warranty information regarding the Bendix 802765 Dv-2 Air Brake Reservoir Drain Valve, please refer to the official Bendix manufacturer's warranty documentation that accompanied your purchase or visit the official Bendix website. Warranty terms typically cover defects in materials and workmanship for a specified period.
For technical support, installation guidance, or troubleshooting assistance beyond the scope of this manual, it is recommended to contact Bendix directly or consult with a certified automotive or heavy-duty vehicle technician.

Bendix Commercial Vehicle Systems LLC
Official Website: www.bendix.com (Please verify the current official website for support contact information.)