

Dorman 924-5801

Dorman 924-5801 Air Tank Assembly Instruction Manual

For Select International Models

INTRODUCTION

This manual provides essential information for the Dorman 924-5801 Air Tank Assembly, a direct replacement component designed to maintain the effectiveness of air-actuated braking and suspension systems in compatible International truck models. It covers product features, compatibility, installation guidance, maintenance, and specifications to ensure proper function and longevity.

The Dorman 924-5801 air tank is engineered to fit like the original equipment tank, featuring the same port configurations and a corrosion-resistant coating for durability.

PRODUCT FEATURES

- **Direct Replacement:** This air reservoir features the same port configuration and physical dimensions as the original tank, ensuring a precise fit.
- **Quality Construction:** Manufactured with precise port locations and finished with a corrosion-resistant coating both inside and outside for extended service life.
- **Validation Tested:** Internally and externally salt spray chamber tested to meet or exceed industry standards for corrosion resistance.
- **Material:** Constructed from durable Carbon Steel.

COMPATIBILITY

The Dorman 924-5801 Air Tank Assembly is compatible with the following International truck models and model years:

- **International 9900:** 2012, 2013, 2014
- **International 9900i:** 2010, 2011, 2012, 2013, 2014, 2015
- **International 9900ix:** 2010, 2011

- **International Pro Star:** 2010, 2011, 2012, 2013, 2014, 2015

To ensure precise fitment for your specific vehicle, it is recommended to verify compatibility using your vehicle's make, model, and trim level.

WHAT'S IN THE BOX

- 1 Dorman 924-5801 Air Tank Assembly

SETUP AND INSTALLATION

The Dorman 924-5801 Air Tank Assembly is designed as a direct replacement for the original equipment. Installation typically involves removing the old, corroded, or leaking air tank and installing the new unit in its place. Due to the critical nature of air-actuated braking and suspension systems, professional installation by a qualified technician is highly recommended.

General Installation Steps (Consult a service manual for specific vehicle procedures):

1. Safely depressurize the air system according to vehicle manufacturer specifications.
2. Disconnect all air lines and mounting hardware from the existing air tank.
3. Remove the old air tank.
4. Position the new Dorman 924-5801 Air Tank Assembly and secure it with appropriate mounting hardware.
5. Reconnect all air lines to the corresponding ports on the new tank. Ensure all connections are secure and leak-free.
6. Re-pressurize the air system and carefully check for any leaks using a suitable leak detection solution.
7. Verify proper operation of air-actuated systems before returning the vehicle to service.

Always refer to the vehicle's specific service manual for detailed instructions and safety precautions.

OPERATING INSTRUCTIONS

The Dorman 924-5801 Air Tank Assembly functions as a passive component within your vehicle's air system, storing compressed air for various functions such as braking and suspension. Once installed, its operation is integrated with the vehicle's existing air compressor and control systems. No direct user interaction is required for the air tank itself beyond proper installation and maintenance.

Ensure the vehicle's air compressor is functioning correctly to maintain adequate air pressure in the tank for optimal system performance.

MAINTENANCE

Regular inspection of the air tank and its connections is crucial for maintaining the integrity of your vehicle's air system. While the Dorman 924-5801 features a corrosion-resistant coating, environmental factors can still affect its longevity.

- **Visual Inspection:** Periodically inspect the air tank for any signs of external corrosion, dents, or damage.
- **Leak Checks:** Regularly check all air line connections to the tank for leaks. A soapy water solution can be used to identify air bubbles indicating a leak.

- **Drain Moisture:** Many air systems include a drain valve on the air tank to remove accumulated moisture. Consult your vehicle's service manual for the recommended frequency and procedure for draining moisture from the air system to prevent internal corrosion.
- **Cleaning:** Keep the exterior of the tank clean from dirt and debris, which can trap moisture and accelerate corrosion.

Adhering to your vehicle manufacturer's recommended maintenance schedule for the air system is essential.

TROUBLESHOOTING

If you experience issues with your vehicle's air system after installing the Dorman 924-5801 Air Tank Assembly, consider the following common troubleshooting steps:

- **Air Leaks:** The most common issue. Re-check all connections to the air tank using a soapy water solution. Tighten any loose fittings or replace damaged air lines/fittings as necessary.
- **Low Air Pressure:** If the air tank is not holding pressure, or the system pressure is consistently low, first verify there are no leaks from the tank or its connections. Then, inspect the air compressor and other components of the air system for proper function.
- **Corrosion:** While the tank is corrosion-resistant, severe environmental conditions or damage can lead to corrosion. If significant corrosion is observed, the tank may need replacement.

For complex issues or if troubleshooting steps do not resolve the problem, it is recommended to consult a qualified automotive technician.

PRODUCT IMAGES



Main view of the Dorman 924-5801 Air Tank Assembly, showing its cylindrical shape and black finish.



Side view of the Dorman 924-5801 Air Tank Assembly, highlighting its smooth, corrosion-resistant surface.



End view of the Dorman 924-5801 Air Tank Assembly, showing the various connection ports for air lines.



Opposite end view of the Dorman 924-5801 Air Tank Assembly, showing additional port configurations.

SPECIFICATIONS

Model Number	924-5801
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Brand	Dorman
Capacity	28 Liters
Fuel Type	Compressed Air
Material	Carbon Steel
Product Grade	Replacement
Fit Type	Vehicle Specific
OEM Part Numbers	172.2973; 3832973C1
UPC	889245187802
Item Weight	35.6 pounds
Product Dimensions (L x W x H)	35.5 x 12.3 x 12.3 inches
Exterior Finish	Black
Vehicle Service Type	Truck

WARRANTY INFORMATION

Dorman products are manufactured to high-quality standards. Specific warranty details for the 924-5801 Air Tank Assembly are typically provided at the point of purchase or can be found on the official Dorman website. Please retain your proof of purchase for any warranty claims.

SUPPORT

For additional support, technical assistance, or product inquiries, please visit the official Dorman store or contact Dorman customer service.

Dorman Store: <https://www.amazon.com/stores/DormanProducts/page/D6B83300-E79D-4196-A1E1-77A67030EF52>