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Torque TR9807

TORQUE Trailer Air Spring Bag User Manual

Model: TR9807

PRODUCT OVERVIEW

The TORQUE TR9807 Trailer Air Spring Bag is a high-quality replacement component designed for heavy-duty trailer suspension systems. This air spring is engineered to provide reliable performance, durability, and a smooth ride, replacing various OEM parts including Firestone 9807, W01-358-9807, Goodyear 1R12-1047, and SAF Holland 90557372.



Image: The TORQUE TR9807 Trailer Air Spring Bag, showcasing its robust construction and identification label.

IMPORTANT SAFETY INFORMATION

WARNING: Improper installation or selection of an air spring can lead to serious accidents or product failure. Always ensure the correct part number is used for your specific vehicle and application. Consult your vehicle's manufacturer or a qualified technician if unsure.

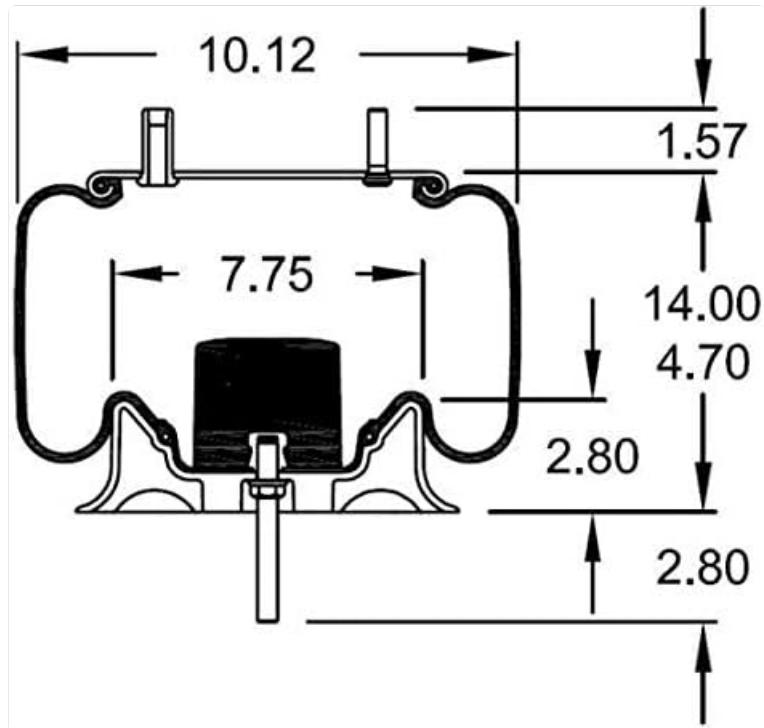


Image: A warning graphic emphasizing the importance of selecting the correct air bag part number to prevent accidents.

- Always wear appropriate personal protective equipment (PPE) during installation.
- Ensure the vehicle is properly supported and secured before beginning any work.
- Depressurize the air suspension system completely before removing old components.
- Follow all vehicle manufacturer's guidelines for air spring replacement.

SPECIFICATIONS

The TORQUE TR9807 air spring is manufactured to precise specifications to ensure compatibility and performance.

Attribute	Measurement
Extended Height	14.00 inches
Compressed Height	4.70 inches
Top Plate Width	9.00 inches
Piston Width	9.50 inches
Item Weight	12.62 pounds
Rubber Thickness	4.5 - 5.00 mm
Stud Material	4140 Grade Steel (25% stronger)

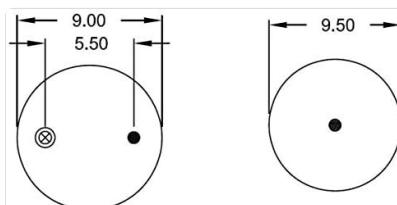


Image: Side view diagram illustrating key dimensions such as extended and compressed height.



Image: Top and piston view diagrams showing width measurements.

QUALITY AND CONSTRUCTION

TORQUE air springs are built with superior materials and manufacturing processes to ensure long-lasting performance and reliability.

- **Durable Rubber:** Features 4.5 - 5.00 mm thick rubber, exceeding OEM requirements.
- **Stronger Studs:** Equipped with 25% stronger 4140 grade steel studs.
- **Enhanced Pistons:** Utilizes stronger composite pistons for improved durability.
- **Leak Tested:** Undergoes rigorous leak testing after final assembly to ensure integrity.
- **Permanent Engraving:** Part number is permanently engraved on the rubber for easy identification.



Image: Diagram illustrating the internal construction and material advantages of TORQUE air springs compared to standard alternatives, highlighting thicker rubber and stronger studs.

INSTALLATION AND FITMENT

Proper fitment is crucial for the safe and effective operation of your air spring. This air spring is a direct replacement for several OEM part numbers:

Firestone: 9807, W01-358-9807

Goodyear: 1R12-1047

SAF Holland (Neway): 90557372, 50857000, 90557306, 90557363

Contitech: 910-13 5P874

Triangle: 8382

Other Equivalents: AS9807, HDV9807, HD9807, Sampa SP559807-KP

Important Fitment Note: It is critical to verify the correct part number for your vehicle. *Do not purchase based solely on vehicle make and model.* Always cross-reference with your dealer or compare the detailed specifications and diagrams provided with your existing air bag.

General Installation Steps (Consult a professional for detailed instructions):

1. Safely lift and support the vehicle, ensuring stability.
2. Completely depressurize the air suspension system.
3. Disconnect air lines and remove mounting hardware from the old air spring.
4. Carefully remove the old air spring.
5. Inspect mounting surfaces for damage or corrosion and clean as necessary.
6. Install the new TORQUE air spring, ensuring proper alignment of mounting studs and air line connections.
7. Secure all mounting hardware to the manufacturer's specified torque.
8. Reconnect air lines and slowly re-pressurize the system, checking for leaks.
9. Lower the vehicle and perform a functional test.

MAINTENANCE

Regular maintenance helps extend the life of your air spring and ensures optimal performance.

- **Regular Inspection:** Periodically inspect the air spring for signs of wear, cracks, punctures, or air leaks. Check the rubber bellows, mounting plates, and air line connections.
- **Cleanliness:** Keep the air spring and surrounding area free from dirt, debris, oil, and corrosive substances.
- **Air System Integrity:** Ensure your vehicle's air supply system (compressor, dryer, valves, lines) is functioning correctly to prevent contamination or improper pressure.
- **Avoid Over-Extension/Compression:** Ensure suspension stops are in good condition to prevent the air spring from over-extending or over-compressing, which can cause damage.

TROUBLESHOOTING

If you experience issues with your air spring, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Air Leak / Loss of Pressure	Damaged air line, loose fitting, punctured air bag, faulty valve.	Inspect all connections and the air bag for damage. Use soapy water to locate leaks. Tighten fittings or replace damaged components.
Uneven Ride Height	Uneven air pressure, faulty leveling valve, obstructed air line.	Check air pressure in each air spring. Inspect leveling valves and air lines for blockages or malfunctions.

Symptom	Possible Cause	Solution
Air Compressor Runs Constantly	System leak, faulty pressure sensor, compressor malfunction.	Identify and repair any leaks. Check pressure sensor and compressor operation.

For complex issues or if you are unsure about a repair, it is highly recommended to consult a certified mechanic or contact TORQUE customer support.

WARRANTY INFORMATION

TORQUE stands behind the quality of its products. The TR9807 Trailer Air Spring Bag comes with an industry-leading **3-year unlimited mile warranty** on rolling lobe/reversible sleeve air springs.

To activate your warranty and for full terms and conditions, please register your air spring through the official [Torque Parts website](#) after purchase.

CUSTOMER SUPPORT

For technical assistance, warranty claims, or any other inquiries regarding your TORQUE product, please visit the official Torque Parts website or contact their customer service department.

Website: www.torque-parts.com

Brand Store: [Torque Parts Amazon Store](#)

User Guide (PDF): [Download PDF User Guide](#)