

Torque TR7036

TORQUE Cab Sleeper Air Spring Bag Instruction Manual

Model: TR7036

Brand: Torque

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your TORQUE Cab Sleeper Air Spring Bags. These air springs are designed for select Peterbilt 379 trucks and are a direct replacement for various OEM part numbers.

Proper installation and regular maintenance are crucial for the longevity and safe operation of the air springs. Please read this manual thoroughly before proceeding with any installation or maintenance.



Image: Two TORQUE TR7036 Cab Sleeper Air Spring Bags, showcasing their robust construction and design.

IMPORTANT SAFETY INFORMATION



WARNING



Before Purchasing This Product
Please ask your dealer for the correct part number
for your vehicle, with your VIN number.



**Using the wrong Air Bag might cause your Air Bag
to blow out on the way and lead to
a serious accident.**



Image: A warning graphic emphasizing the importance of verifying the correct part number with a dealer using the vehicle's VIN to prevent air bag failure and potential accidents.

Before purchasing or installing this product, it is critical to verify the correct part number for your specific vehicle. Consult your dealer and provide your Vehicle Identification Number (VIN) to ensure compatibility. Installing an incorrect air bag can result in premature failure and may lead to hazardous driving conditions.

- Always wear appropriate personal protective equipment (PPE) during installation and maintenance.
- Ensure the vehicle is properly supported and secured before working underneath it.
- Depressurize the air suspension system completely before removing any components.
- Do not exceed the maximum recommended air pressure for the air springs.

SPECIFICATIONS

The following table details the key specifications for the TORQUE TR7036 Cab Sleeper Air Spring Bag.

Characteristic	Value
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Model Number	TR7036
Extended Height	14.00 inches
Compressed Height	4.00 inches
Bead Plate Diameter (BCR)	10.00 inches
Item Weight	Approximately 2 pounds per unit
Product Dimensions	14"L x 6"W x 14"H (approximate)
OEM Part Number Replacements	Firestone 7036, W02-358-7036; Peterbilt 29-03200, 29-02454, T81-6000; Goodyear 1S5-186; Contitech SC29-Y036; AS7036, HDV7036, HD7036; Sampa 500.903-01
Special Features	Highest leak test ratio after final assembly.
Material Quality	4.1 to 4.5 mm thick OE quality rubber, Burst Pressure over 400 psi, Stud 4140-grade steel, Life Cycle over 10 million.

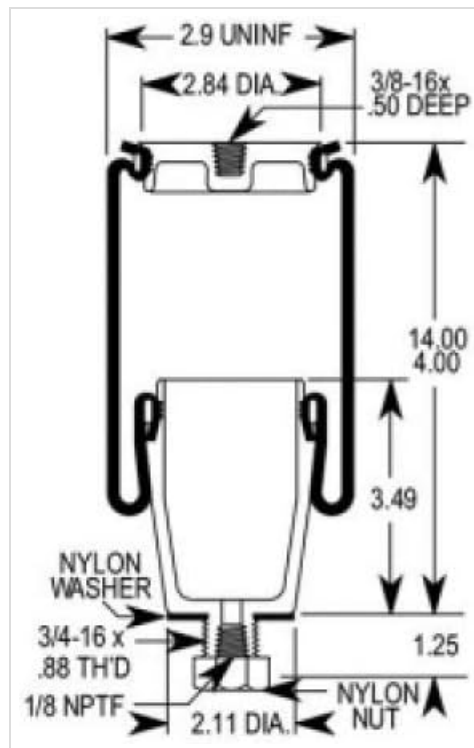


Image: A technical diagram illustrating the dimensions and key measurement points of the air spring bag, including extended and compressed heights, and bead plate diameter.



Image: A cross-sectional diagram highlighting the internal construction of the air spring bag, showing the inner liner, plies, and outer cover, along with material quality specifications.

SETUP AND INSTALLATION

Installation of air spring bags should be performed by qualified personnel with appropriate tools and safety equipment.

1. **Preparation:** Park the vehicle on a level, firm surface. Engage the parking brake and block the wheels.
2. **Vehicle Support:** Safely lift the vehicle using a hydraulic jack and support it with jack stands. Ensure the chassis is securely supported, allowing the suspension to hang freely.
3. **Depressurize System:** Locate the air lines connected to the existing air springs. Carefully release all air pressure from the system.
4. **Remove Old Air Spring:** Disconnect the air line from the old air spring. Remove the mounting bolts securing the old air spring to the chassis and axle. Carefully remove the old air spring.
5. **Inspect Mounting Surfaces:** Clean and inspect the mounting surfaces on the chassis and axle for any damage, corrosion, or debris. Repair or clean as necessary.
6. **Install New Air Spring:** Position the new TORQUE air spring bag in place. Align the mounting holes and secure it with the appropriate bolts. Ensure all fasteners are tightened to the manufacturer's specified torque settings.
7. **Connect Air Line:** Reconnect the air line to the new air spring. Ensure a secure, leak-free connection.
Note: Some installations may require new fittings (e.g., 1/4" Tube OD x 1/8" NPT Thread Air Line Adapter) which may not be included.
8. **Inflate and Check for Leaks:** Slowly inflate the air suspension system to a low pressure. Check all connections for air leaks using a soapy water solution. Address any leaks before proceeding.
9. **Lower Vehicle:** Carefully lower the vehicle off the jack stands.
10. **Final Inflation:** Inflate the air springs to the recommended operating pressure. Perform a final leak check and visually inspect the air springs for proper seating and clearance.

Note: Refer to your vehicle's service manual for specific torque specifications and detailed removal/installation procedures.



Image: Two TORQUE TR7036 air springs shown upright, ready for installation.

OPERATING PRINCIPLES

The TORQUE Cab Sleeper Air Spring Bag functions as a pneumatic cushion, supporting the weight of the cab and sleeper unit and absorbing road shocks. By adjusting the air pressure within the bag, the ride height and stiffness of the suspension can be controlled.

- **Inflation:** Air is supplied to the air spring, increasing its internal pressure and expanding the bag. This raises the vehicle's ride height and increases suspension stiffness.
- **Deflation:** Air is released from the air spring, decreasing its internal pressure and compressing the bag. This lowers the vehicle's ride height and reduces suspension stiffness.
- **Load Carrying:** The air spring adapts to varying loads, maintaining a consistent ride height and improving stability, especially when the vehicle is loaded.

Ensure your air suspension system's compressor and leveling valves are functioning correctly for optimal performance of the air springs.

MAINTENANCE

Regular inspection and maintenance are essential to maximize the lifespan and performance of your TORQUE air spring bags.

- **Visual Inspection (Monthly):** Regularly inspect the air springs for signs of wear, cracking, chafing, or

damage to the rubber bellows. Check for any visible air leaks (e.g., soap bubbles when sprayed with soapy water).

- **Air Line and Fitting Inspection:** Check all air lines and fittings for cracks, kinks, or loose connections. Ensure they are free from debris and corrosion.
- **Mounting Hardware:** Periodically check the tightness of all mounting bolts and nuts. Re-torque if necessary according to vehicle manufacturer specifications.
- **Cleanliness:** Keep the air springs clean and free from excessive dirt, grease, oil, or road salt, which can degrade the rubber material.
- **Pressure Monitoring:** Monitor the air pressure in the system regularly to ensure it remains within the recommended operating range.

Address any issues promptly to prevent further damage and ensure safe operation.

TROUBLESHOOTING

This section provides common issues and potential solutions for your air spring bags.

Problem	Possible Cause	Solution
Air Leak / Loss of Pressure	Damaged air bag, loose air line fitting, faulty valve.	Inspect air bag for damage. Check all air line connections with soapy water. Tighten fittings or replace damaged components.
Uneven Ride Height	Uneven air pressure, faulty leveling valve, obstructed air line.	Check air pressure in each bag. Inspect leveling valve for proper operation. Clear any obstructions in air lines.
Excessive Vibration or Harsh Ride	Over-inflation, worn shock absorbers, damaged mounting.	Adjust air pressure to recommended levels. Inspect and replace worn shock absorbers. Check mounting points for damage.
Air Bag Not Inflating	No air supply, blocked air line, faulty air bag.	Check air compressor and air supply. Inspect air lines for blockages. If air bag is damaged, replace it.

If troubleshooting steps do not resolve the issue, consult a certified mechanic or contact Torque customer support.

WARRANTY INFORMATION

TORQUE Cab Sleeper Air Spring Bags come with a **1-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims or further details, please retain your proof of purchase and contact Torque customer support. The warranty does not cover damage resulting from improper installation, misuse, neglect, accident, or unauthorized modifications.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or warranty support, please contact Torque customer service.

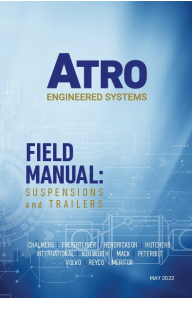
Online Resources: Visit the official Torque website for additional product information and FAQs.

Contact Information: Refer to your product packaging or the Torque official website for the most current contact details.

Always provide your product model number (TR7036) and purchase date when contacting support.

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Related Documents - TR7036

	ATRO Field Manual: Truck Suspensions and Trailers Comprehensive field manual from ATRO Engineered Systems detailing inspection, maintenance, and common failures of heavy-duty truck and trailer suspension systems, covering air, leaf, and elastomer types, torque rods, and major manufacturers.
	Blue Bird Vision Propane: Rear Axle and Suspension Service Manual Comprehensive service manual detailing the maintenance, repair, and troubleshooting of the rear axle and suspension systems for the Blue Bird Vision Propane bus. Covers both leaf spring/hydraulic shock absorber and optional Hendrickson Comfort Air rear air suspension systems, including Arvin Meritor RS-21-145 axle specifications and procedures.
	TCI Engineering Technical Information and Product Guides Comprehensive technical data, color codes, torque specifications, and part compatibility for TCI Engineering suspension components, including Mustang II and All American Coil Over systems.
	2012 Rocky Mountain Bicycles Technical Manual Comprehensive technical manual for 2012 Rocky Mountain Bicycles, covering assembly, suspension setup, torque specifications, and maintenance for models like Element, Altitude, Slayer, and Flatline.
	Sirris F43 Fork and R46 Shock Owner's Guide Comprehensive owner's guide for Sirris F43 Fork and R46 Shock suspension systems for E-Motos, covering installation, tuning, maintenance, service intervals, torque specifications, and limited warranty information.



Aug 29, 2009

[2010 Rocky Mountain Bicycles Technical Manual](#)

This technical manual provides detailed information and assembly instructions for the 2010 Rocky Mountain Bicycles range, including models like Element, Altitude, Flatline, and Slayer. It covers general installation procedures, hardware specifications, torque settings, and specific details for each bike platform.

Documents - Torque – TR7036



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Lonestar Truck Group InGear Newsletter Promoting Trucking with Value May 2016 n n n The Lonestar ... 0 WOI-358-8709 IRIS-159 TR7215 Cabin Air Spring 32.95

Replaces: W02-358-725 AS72150 18-40977-000 **TR7036** Cabin Air Spring Peterbilt 29.95 Replaces: 29-03200 Parts pictures are for reference only. ...

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