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Air Lift 52460

Air Lift 52460 Air Spring Spacers - 6" Level Instruction Manual

Model: 52460 | Brand: Air Lift

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Air Lift 52460 Air Spring Spacers. These 6-inch level spacers are designed to integrate with existing air spring systems, particularly in lifted truck applications, to restore optimal load support and vehicle performance.

Product Overview

The Air Lift 52460 Air Spring Spacers are engineered to accommodate lift kits up to six inches, allowing for the proper function of air spring systems in modified vehicles. They are compatible with Air Lift bellows-style air springs, including the LoadLifter 5000 series and LoadLifter 7500 XL, as well as most other brands.

- **Compatibility:** Works with Air Lift bellows-style air springs and most other brands.
- **Design:** 6-inch level air spring spacer.
- **Construction:** Manufactured from high-grade 1/4" steel with a black powdercoat finish for durability.
- **Installation:** Features a unique spinal design for easy attachment to air springs using provided hardware.

Safety Information

Always prioritize safety during installation and operation. Failure to follow safety guidelines can result in injury or damage to the vehicle.

- Ensure the vehicle is securely supported on jack stands before working underneath.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not exceed the manufacturer's recommended weight capacity for your vehicle or air spring system.
- Consult a qualified mechanic if you are unsure about any installation steps.
- Keep all components clean and free from debris during installation.

Package Contents

Verify that all components are present before beginning installation:

- Air Spring Spacers (Quantity: 2)
- Mounting Hardware (Bolts, Nuts, Washers)



Figure 1: Air Lift 52460 Air Spring Spacers and included hardware. This image displays two black, 6-inch level air spring spacers along with various bolts, nuts, and washers required for installation.

Setup and Installation

This section outlines the general procedure for installing the Air Lift 52460 Air Spring Spacers. Specific vehicle requirements may vary. Refer to your vehicle's service manual and your air spring system's instructions for detailed guidance.

1. **Prepare Vehicle:** Park the vehicle on a level surface. Engage the parking brake and block the wheels. Lift the vehicle using a jack and support it securely with jack stands, ensuring the suspension is at full droop.
2. **Access Air Springs:** Locate the existing air springs. Depending on your vehicle and air spring configuration, you may need to remove wheels or other components for access.
3. **Position Spacer:** Place the 6-inch level air spring spacer between the air spring and its mounting surface. The unique spinal design of the spacer is intended to align with the air spring's bellows.
4. **Secure Spacer:** Using the provided hardware (bolts, nuts, washers), attach the spacer to both the air spring and the vehicle's frame or axle mounting point. Ensure all fasteners are tightened to the torque specifications provided by your air spring manufacturer or vehicle service manual.
5. **Repeat for Other Side:** Perform the same installation steps for the air spring on the opposite side of the vehicle.
6. **Final Checks:** Once both spacers are installed, lower the vehicle carefully. Inflate the air springs to the

recommended pressure. Check for proper clearance and ensure all connections are secure.



Figure 2: Close-up view of a single Air Lift 52460 Air Spring Spacer. This image highlights the robust steel construction and the specific hole patterns for attachment.



Figure 3: Two Air Lift 52460 Air Spring Spacers. This view provides a perspective of both units, emphasizing their uniform size and construction.

Operating Instructions

Once installed, the Air Lift 52460 Air Spring Spacers work in conjunction with your air spring system. No additional operational steps are required for the spacers themselves. The primary operation involves managing your air spring pressure according to your load and driving conditions.

- Maintain recommended air pressure in your air springs as specified by the air spring manufacturer.
- Adjust air pressure as needed for varying loads to achieve optimal ride height and stability.
- Regularly monitor air pressure, especially before towing or hauling heavy loads.

Maintenance

The Air Lift 52460 Air Spring Spacers are constructed from durable materials designed for longevity. Regular inspection is recommended to ensure continued performance.

- **Periodic Inspection:** Annually or every 10,000 miles, inspect the spacers and all mounting hardware for signs of wear, corrosion, or damage.
- **Fastener Check:** Verify that all bolts and nuts remain securely tightened. Re-torque if necessary according to manufacturer specifications.
- **Cleaning:** Clean the spacers as part of your regular vehicle maintenance to prevent buildup of dirt and corrosive materials.
- **Damage:** If any damage is observed, such as cracks or severe corrosion, replace the affected components immediately.

Troubleshooting

Issues related to load support systems are typically associated with the air springs themselves or the air delivery system, rather than the spacers. However, ensure the spacers are correctly installed and secure.

Symptom	Possible Cause	Solution
Unusual noise from suspension area after spacer installation.	Loose mounting hardware.	Inspect and re-torque all bolts and nuts securing the spacers and air springs.
Spacer appears misaligned or shifted.	Improper installation or loose fasteners.	Re-check installation steps. Ensure spacer is correctly seated and all hardware is tightened.
Reduced load support capacity.	*(Unlikely to be spacer-related)* Air spring leak or compressor issue.	Inspect air springs and air lines for leaks. Check air compressor functionality.

Specifications

- **Model Number:** 52460
- **Type:** Air Spring Spacer, Level
- **Height:** 6 inches
- **Material:** High-grade 1/4" Steel
- **Finish:** Black Powdercoat
- **Item Weight:** Approximately 5.43 pounds (per unit)
- **Product Dimensions:** 10.5 x 7.5 x 5.5 inches (packaging dimensions)
- **Position:** Rear (typical application)

Warranty and Support

Air Lift provides a limited-lifetime warranty on its key suspension components, including these air spring spacers. This warranty covers manufacturing defects and ensures product quality and longevity.
For warranty claims, technical assistance, or additional product information, please contact Air Lift customer support directly or visit the official Air Lift website.
You can also visit the Air Lift Store on Amazon for more products and information.

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