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- › [Monroe](#) /
- › [Monroe AK29 Shock Absorber Air Hose Kit Instruction Manual](#)

### Monroe AK29

# Monroe AK29 Shock Absorber Air Hose Kit Instruction Manual

MODEL: AK29 | BRAND: MONROE

## 1. PRODUCT OVERVIEW

The Monroe AK29 Shock Absorber Air Hose Kit is an essential accessory designed to work seamlessly with Monroe shocks and struts, ensuring a secure and reliable connection for your vehicle's air suspension system. This kit provides the necessary components for a hassle-free installation process, allowing for proper air management and optimal performance of your air-adjustable shock absorbers.



Image 1.1: The Monroe AK29 Shock Absorber Air Hose Kit, featuring air lines, T-fittings, and various connectors, laid out on a wooden surface.

## Key Features:

- **Engineered Compatibility:** Designed to integrate perfectly with Monroe shocks and struts for easier installation.
- **Durable Construction:** Made with high-quality rubber air lines and durable fittings for a secure and reliable connection.
- **Lightweight Design:** Weighs only 0.068 kilograms, making it easy to handle and install.
- **Versatile Use:** Suitable for various automotive applications requiring air-adjustable suspension.

## 2. WHAT'S IN THE Box

Each Monroe AK29 Shock Absorber Air Hose Kit includes the following components:

- One (1) Air Hose Kit (includes air lines, T-fittings, and various connectors)

## 3. SPECIFICATIONS

Specification	Detail
Model Number	AK29
Manufacturer Part Number	AK29
OEM Part Number	AK29
Item Weight	0.068 kilograms (0.01 ounces)
Product Dimensions	12.17 x 6.5 x 5.12 inches
Position	Rear
Country of Origin	China

## 4. SETUP AND INSTALLATION

Proper installation of the Monroe AK29 Air Hose Kit is crucial for the optimal performance and longevity of your air-adjustable shock absorbers. Follow these general steps for a secure and leak-free setup. Always refer to your vehicle's specific service manual for detailed instructions and safety precautions.

### 4.1 Prepare Components

Ensure all components of the AK29 kit are present and undamaged. The kit includes air lines, T-fittings, and various connectors designed for easy integration with Monroe shocks and struts.

Video 4.1: A product overview video showcasing the Monroe AK29 Air Hose Kit components and their general appearance.

### 4.2 Connect Air Lines to Shocks

Carefully attach the air lines to the air fittings on your Monroe shock absorbers. Ensure a snug fit to prevent air leaks. Some kits may require pushing the air line into the fitting until a click is heard or felt, typically about 9/16" deep.

Video 4.2: This video demonstrates the process of connecting air lines to air bag suspension systems, which is similar to connecting to air shocks. It shows how to push the air line into the fitting until it clicks, ensuring a secure connection.

### 4.3 Route Air Lines

Route the air lines along the vehicle's chassis, ensuring they are secured away from moving parts, sharp edges, and heat sources like the exhaust system. Use the provided clips or zip ties to fasten the lines securely. Allow enough slack in the lines to accommodate full suspension travel without tension.

Video 4.3: This video illustrates the preparation and connection of air lines using various fittings, including cutting the line to length and securing connections, which is applicable to the AK29 kit.

### 4.4 Connect to Fill Valve

Connect the routed air lines to the T-fitting and then to the fill valve. The fill valve should be mounted in an easily accessible location, such as the rear bumper or a convenient spot on the chassis, allowing for easy inflation and deflation. Ensure all connections are hand-tightened and then further secured as per the instructions.

## 5. OPERATING INSTRUCTIONS

Once the Monroe AK29 Air Hose Kit is installed, you can operate your air-adjustable shock absorbers to

achieve the desired ride height and comfort level.

## 5.1 Inflation

- Locate the fill valve.
- Attach an air pump or compressor to the fill valve.
- Inflate the shocks to the recommended pressure for your vehicle and load conditions. Do not exceed the maximum pressure specified by your shock absorber manufacturer.
- Remove the air pump, ensuring the valve cap is securely replaced.

## 5.2 Deflation

- To lower the vehicle or reduce stiffness, carefully release air from the fill valve.
- Use a tire pressure gauge to monitor the pressure as you deflate.

## 6. MAINTENANCE

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Regular maintenance of your Monroe AK29 Air Hose Kit will ensure continued performance and prevent potential issues.

- **Periodic Inspection:** Regularly inspect all air lines and connections for signs of wear, cracks, or damage. Check for any contact with hot components or sharp edges.
- **Leak Detection:** Periodically check for air leaks by spraying a soapy water solution on all connections. Bubbles indicate a leak that needs to be addressed.
- **Pressure Monitoring:** Check your system air pressure frequently. Do not allow air pressure to drop below the recommended minimum PSI for your shock absorbers.
- **Cleanliness:** Keep the fill valve and surrounding area clean to prevent dirt and debris from entering the air system.

## 7. TROUBLESHOOTING

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If you experience issues with your air suspension system after installing the AK29 kit, consider the following troubleshooting steps:

- **Loss of Air Pressure:** This is typically caused by a leak. Perform a soapy water test on all connections, including the shock fittings, T-fitting, and fill valve. Tighten any loose connections or replace damaged components.
- **Uneven Ride Height:** Check the air pressure in each shock absorber individually. An imbalance may indicate a leak on one side or an issue with the shock itself.
- **Difficulty Inflating:** Ensure the air pump is properly connected to the fill valve and that the valve core is not obstructed or damaged.
- **Air Line Kinks/Damage:** Inspect the entire length of the air lines for kinks, pinches, or cuts that could restrict airflow or cause leaks. Reroute or replace as necessary.

## 8. WARRANTY AND SUPPORT

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For specific warranty information regarding your Monroe AK29 Shock Absorber Air Hose Kit, please refer to the documentation included with your purchase or visit the official Monroe website. For technical support or further assistance, contact Monroe customer service.

