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› Monroe Max-Air MA819 Air Adjustable Air Shock Absorber User Manual

Monroe MA819

Monroe Max-Air MA819 Air Adjustable Air Shock Absorber User Manual

Model: MA819

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Monroe Max-Air MA819 Air Adjustable Air Shock Absorbers. Please read these instructions thoroughly before proceeding with installation or use to ensure safety and optimal performance.

PRODUCT OVERVIEW

The Monroe Max-Air MA819 Air Adjustable Air Shock Absorbers are designed to assist in maintaining vehicle ride height under varying load conditions. They can be inflated or deflated to adjust the vehicle's rear suspension, providing support for additional weight.



Image: The Monroe Max-Air MA819 kit, including two air shock absorbers, air line, fittings, and mounting hardware.

COMPATIBILITY

These shock absorbers are compatible with the following vehicles:

- 1992-1996 Buick Roadmaster
- 1992-1996 Cadillac Commercial Chassis
- 1993-1996 Cadillac Fleetwood
- 1991-1992 Cadillac Brougham
- 1982-1996 Chevrolet Caprice
- 1982-1987 Chevrolet Caprice
- 1983-1983 Chevrolet Caprice

Important: Always verify compatibility with your specific vehicle's year, make, model, engine, and trim before installation. Refer to your vehicle's owner's manual for suspension capacity limitations.

KEY FEATURES

- **Ride Height Maintenance:** The air chamber can be inflated or deflated up to 150 PSI to maintain level height with additional weight up to 1,200 lbs. Note that the actual capacity is limited by the vehicle's suspension, tires, and transmission. Consult your vehicle's owner's manual for specific limitations.

MAINTAIN RIDE HEIGHT UNDER LOAD

Air chamber can be inflated or deflated up to 150 PSI to maintain level height with additional weight up to 1,200 lbs. (capacity is limited by vehicle suspension, tires and transmission; see vehicle owner's manual)



Image: A Monroe Max-Air shock absorber, illustrating its capability to maintain ride height under load.

- **Adjustability:** Features a special air fitting designed to prevent air leakage. It can be integrated into a factory air system (if applicable) or manually inflated using an air compressor. Consider pairing with Monroe air shock accessory and shock air hose AK kits, which vary by application.

EASY TO **ADJUST**

Special air fitting resists air leakage and ties into factory system (where applicable) or manually inflates with an air compressor; pair with Monroe air shock accessory and shock air hose AK kits (varies based on application)



Image: A close-up of the Monroe Max-Air shock absorber, highlighting the air fitting for inflation and deflation.

- **Exceptional Handling:** Engineered with full-displaced valving on both compression and extension cycles to provide a smooth ride.

EXCEPTIONAL HANDLING

Full-displaced valving on compression and extension cycles for a smooth ride



Image: Two Monroe Max-Air shock absorbers, representing their design for enhanced handling and a smooth ride.

- **Durability:** Constructed with a hardened and precision-ground piston rod for consistent performance. It features a sintered iron piston for enhanced durability and extended service life, along with a lubricated air sleeve to reduce friction for smooth operation.

BUILT TO LAST

Hardened and precision ground piston rod for consistent performance, sintered iron piston for enhanced durability and longer service life and lubricated air sleeve reduces friction for smooth operation



Image: A Monroe Max-Air shock absorber, emphasizing its robust construction for long-lasting performance.

- **Consistent Ride Quality:** Utilizes OE all-weather fluid containing special modifiers to manage extreme temperatures, reduce friction, and ensure consistent rod reaction.

WHAT'S IN THE BOX

Your Monroe Max-Air MA819 package typically includes:

- Two (2) Monroe Max-Air MA819 Shock Absorbers
- Dust Shield(s)
- Parts Pack(s) (includes necessary fittings and hardware for installation)

Please inspect all contents upon receipt to ensure all parts are present and undamaged.

SETUP AND INSTALLATION

Installation of shock absorbers requires mechanical knowledge and specialized tools. It is highly recommended that

installation be performed by a qualified automotive technician.

General Guidelines:

1. **Safety First:** Ensure the vehicle is securely supported on a lift or jack stands on a level surface. Disconnect the battery if working near electrical components.
2. **Remove Old Shocks:** Carefully remove the existing shock absorbers according to your vehicle's service manual.
3. **Install New Shocks:** Mount the Monroe Max-Air MA819 shocks using the provided hardware. Ensure all bolts are tightened to the manufacturer's specifications.
4. **Air Line Connection:** Connect the air lines to the shock absorbers. These can be routed to tie into an existing factory air system or to a manual inflation point. Ensure all connections are secure to prevent air leaks.
5. **Initial Inflation:** Inflate the shocks to a low pressure (e.g., 20-30 PSI) before lowering the vehicle.
6. **Final Checks:** Once the vehicle is on the ground, check for proper clearance and ensure no components are binding. Inflate to the desired pressure.

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

OPERATION

The Monroe Max-Air MA819 shock absorbers are designed for adjustable load support.

Adjusting Air Pressure:

- **Inflation:** Use an air compressor to inflate the shocks through the air fitting. The maximum recommended inflation pressure is 150 PSI. Do not exceed this limit.
- **Deflation:** To lower the vehicle or reduce stiffness, release air from the shocks via the air fitting.
- **Load Adjustment:** Adjust the air pressure based on the load being carried. Higher loads typically require higher air pressure to maintain ride height. Always ensure the vehicle remains level.

Regularly check air pressure, especially before carrying heavy loads or towing.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your air shock absorbers.

- **Regular Inspection:** Periodically inspect the shock absorbers, air lines, and fittings for any signs of damage, wear, or air leaks.
- **Cleanliness:** Keep the shocks and surrounding areas clean from dirt, debris, and corrosive materials.
- **Air Pressure Check:** Maintain correct air pressure as per your load requirements. Avoid operating the vehicle with significantly under-inflated or over-inflated shocks.
- **Professional Check-ups:** Have your vehicle's suspension system, including the air shocks, inspected by a professional during routine vehicle maintenance.

TROUBLESHOOTING

If you experience issues with your Monroe Max-Air MA819 shock absorbers, consider the following:

- **Loss of Air Pressure:**
 - Check all air line connections for tightness.
 - Inspect air lines for cuts, kinks, or punctures.

- Examine the air fitting for damage or leaks.
- A professional can use a soapy water solution to identify small leaks.

• **Uneven Ride Height:**

- Ensure both shocks are inflated to the same pressure.
- Verify that the load is evenly distributed in the vehicle.
- Check for individual shock or air line damage on one side.

• **Excessive Bouncing or Harsh Ride:**

- Adjust air pressure to a suitable level for the current load.
- Inspect for worn suspension components beyond the shocks.

For persistent issues, consult a certified automotive technician.

SPECIFICATIONS

Attribute	Detail
Brand	Monroe
Model Number	MA819
Auto Part Position	Rear
Style	Compression
Vehicle Service Type	Truck
Exterior Finish	Black
Material	Iron
Extended Length	21.25 Inches
OEM Part Number	MA819
Automotive Fit Type	Vehicle Specific Fit
UPC	048598031778
Item Weight	4 pounds
Product Dimensions	21.2 x 7.7 x 3.5 inches

SAFETY INFORMATION

Always prioritize safety when working with automotive components.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is properly secured before beginning any work.
- Do not exceed the maximum inflation pressure of 150 PSI.
- Do not exceed your vehicle's gross vehicle weight rating (GVWR) or gross axle weight rating (GAWR).

- Dispose of old parts responsibly.
- Keep children and pets away from the work area.

This product may expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

WARRANTY AND SUPPORT

Monroe products are backed by a manufacturer's warranty. For specific warranty details, claims, or technical support, please refer to the official Monroe website or contact their customer service department. Keep your purchase receipt as proof of purchase.

For further assistance, visit the [Monroe Store on Amazon](#).

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question