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› Monroe Quick-Strut 172230 Suspension Strut and Coil Spring Assembly User Manual

Monroe 172230

Monroe Quick-Strut 172230 Suspension Strut and Coil Spring Assembly

User Manual

INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of your Monroe Quick-Strut 172230 Suspension Strut and Coil Spring Assembly. This assembly is designed for 2003-2006 Acura MDX vehicles, offering a complete, pre-assembled unit for strut replacement without the need for a spring compressor. It is engineered to restore original equipment (OE) ride height and support the vehicle's weight, while improving steering precision and reducing noise, vibration, and harshness.

For optimal performance and safety, please read this manual thoroughly before attempting any installation or maintenance procedures.

SAFETY INFORMATION

WARNING: Automotive repair can be dangerous. Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves. Ensure the vehicle is properly supported on jack stands before working underneath it. Consult a professional mechanic if you are unsure about any procedure.

- Always use appropriate lifting equipment and jack stands to secure the vehicle.
- Never work under a vehicle supported only by a jack.
- Ensure all fasteners are tightened to the manufacturer's specified torque values.
- Keep hands and clothing clear of moving parts.
- Dispose of old parts and fluids responsibly according to local regulations.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

PARTS LIST

The Monroe Quick-Strut 172230 Suspension Strut and Coil Spring Assembly includes the following components:

- Pre-assembled Strut Assembly (Strut, Coil Spring, Upper Strut Mount, Spring Seat, Boot, Bumper)
- Mounting Hardware (if applicable, as per product packaging)
- Parts Pack(s) (as per product packaging)



Image: The complete Monroe Quick-Strut 172230 Suspension Strut and Coil Spring Assembly, ready for installation.



Image: Detailed diagram illustrating the components of the Quick-Strut assembly, including the robust bearing plate, jounce bumper, dust boot, OE-style coil spring, lower spring isolator, and OE-quality strut technology.

SETUP AND INSTALLATION

The Monroe Quick-Strut assembly is designed for a quicker, safer, and easier repair as it comes fully assembled. Professional installation is recommended. Refer to your vehicle's service manual for specific torque specifications and detailed removal/installation procedures.

Required Tools:

- Vehicle jack and jack stands
- Wheel chocks
- Socket set and wrenches (metric/standard as required by vehicle)
- Torque wrench
- Penetrating oil (optional)
- Wire brush (optional)

Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a flat, level surface. Engage the parking brake and place wheel chocks behind the rear wheels. Loosen the lug nuts on the front wheels.
2. **Lift and Secure:** Using a jack, lift the front of the vehicle until the wheels are off the ground. Place jack stands securely under the vehicle's frame rails and lower the vehicle onto the stands. Remove the front wheels.
3. **Disconnect Components:** Locate the existing strut assembly. Disconnect any brake lines, ABS sensor wires, or sway bar links attached to the strut. Be careful not to damage these components.
4. **Remove Lower Mount Bolts:** Remove the bolts connecting the lower part of the strut to the steering knuckle or lower control arm. You may need to use a pry bar to separate the components.
5. **Remove Upper Mount Nuts:** Open the hood and locate the upper strut mount nuts on the strut tower. Support the strut assembly from below, then remove these nuts. Carefully lower and remove the old strut assembly from the vehicle.
6. **Install New Quick-Strut:** Position the new Monroe Quick-Strut assembly into the strut tower, aligning the upper studs with the holes. Secure with the new upper mount nuts, but do not fully tighten yet.
7. **Connect Lower Mount:** Align the lower part of the new strut with the steering knuckle or lower control arm. Insert and hand-tighten the lower mount bolts.
8. **Reconnect Components:** Reattach any brake lines, ABS sensor wires, and sway bar links that were disconnected. Ensure they are routed correctly and not pinched.
9. **Torque All Fasteners:** Refer to your vehicle's service manual for the correct torque specifications for all strut mounting bolts and nuts (upper and lower), as well as any disconnected components. Tighten all fasteners to their specified values.
10. **Reinstall Wheels and Lower Vehicle:** Reinstall the front wheels and hand-tighten the lug nuts. Lift the vehicle off the jack stands, remove the stands, and then fully lower the vehicle. Torque the lug nuts to the vehicle manufacturer's specifications.
11. **Perform Alignment:** After replacing suspension components, a professional wheel alignment is highly recommended to ensure proper vehicle handling and tire wear.

QUICKER, SAFER, EASIER & COMPLETE REPAIR

Includes everything you need for strut replacement in a single, fully assembled unit with no need for spring compressor



Image: The Monroe Quick-Strut assembly highlighting its complete, pre-assembled nature for a quicker, safer, and easier repair process.

IMPROVES **STEERING**

Premium upper strut mount helps ensure smooth, "like-new" steering precision and reduces noise, vibration, harshness and memory steer



Image: Close-up of the premium upper strut mount, illustrating how it helps ensure smooth, "like-new" steering precision and reduces noise, vibration, harshness, and memory steer.

RESTORES RIDE HEIGHT

Each application-specific coil spring type is engineered to restore ride height and support the vehicle's weight



Image: View of the coil spring, emphasizing its role in restoring the vehicle's ride height and supporting its weight, precisely calibrated to meet OE design.

OPERATING CHARACTERISTICS

Once installed, the Monroe Quick-Strut 172230 assembly will restore your vehicle's original ride and handling characteristics. You should experience:

- Improved ride comfort and stability.
- Reduced body sway and vibration.
- Restored vehicle ride height to factory specifications.
- Enhanced steering response and precision.

PREMIUM MONROE[®] QUICK-STRUT[®] RESTORES OE PERFORMANCE

Optimized vehicle-specific design restores ride and handling experience unique to each vehicle profile



Image: Graphic illustrating how the Premium Monroe Quick-Strut restores OE performance, with an optimized vehicle-specific design for ride and handling.

Product Overview Video:

Your browser does not support the video tag.

Video: An official product overview of the Monroe Quick-Strut, detailing its features and benefits. This video is provided by the manufacturer.

MAINTENANCE

The Monroe Quick-Strut assembly is designed for long-lasting performance with minimal maintenance. However, regular inspection of your vehicle's suspension components is crucial for safety and longevity.

- **Regular Inspections:** Periodically inspect the strut assembly for signs of damage, leaks, corrosion, or worn components (e.g., torn boots, cracked bushings).
- **Cleanliness:** Keep the strut assembly free from excessive dirt, salt, and debris, especially after driving in

harsh conditions.

- **Alignment Checks:** Have your vehicle's wheel alignment checked annually or after any significant impact to ensure proper suspension geometry.
- **Tire Rotation and Balance:** Regular tire maintenance helps distribute wear evenly and can prevent premature wear on suspension components.

MADE TO LAST

Manufactured with high-quality steel, featuring a superior tube and weld design to deliver structural integrity and durability



Image: Close-up of the strut body, illustrating its robust construction with high-quality steel and a superior tube and weld design for long-lasting durability.

TROUBLESHOOTING

If you experience any issues after installing your Monroe Quick-Strut assembly, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Noise (clunking, squeaking)	Loose fasteners, worn bushings, improper installation.	Check all mounting bolts and nuts for proper torque. Inspect bushings for wear. Re-check installation steps.
Uneven ride height	Incorrect part for vehicle, damaged spring, improper installation.	Verify part number matches vehicle application. Inspect spring for damage. Ensure strut is fully seated.
Poor handling/steering	Incorrect alignment, damaged component, air in hydraulic system (if applicable).	Perform a wheel alignment. Inspect all suspension components for damage. Consult a professional.
Vibration	Unbalanced tires, loose components, worn wheel bearings.	Check tire balance. Inspect all fasteners. Check wheel bearings.

If troubleshooting steps do not resolve the issue, contact Monroe customer support or a certified automotive technician.

SPECIFICATIONS

Feature	Detail
Brand	Monroe
Model Number	172230
Auto Part Position	Front
Vehicle Service Type	Car (specifically 2003-2006 Acura MDX)
Material	Rubber (for certain components)
Item Weight	31.2 pounds
Product Dimensions	28.4 x 9.8 x 10.8 inches
UPC	048598203960

WARRANTY AND SUPPORT

Monroe products are backed by a limited lifetime warranty. For specific warranty details, terms, and conditions, please refer to the official Monroe website or the warranty information included with your product packaging.

Keep your proof of purchase for warranty claims.

For technical support, installation assistance, or warranty inquiries, please contact Monroe customer service:

- **Monroe Official Website:** www.monroe.com
- **Monroe Store on Amazon:** [Visit the Monroe Store](#)