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› Monroe Shocks & Struts Monro-Matic Plus 801680 Suspension Strut User Manual

Monroe 801680

Monroe Shocks & Struts Monro-Matic Plus 801680 Suspension Strut User Manual

Model: 801680 | Brand: Monroe

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Monroe Shocks & Struts Monro-Matic Plus 801680 Suspension Strut. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Monro-Matic® PLUS struts are engineered for improved comfort and economical performance, featuring nitrogen gas charge and Velocity Proportional Valving (VPV) technology.

SAFETY INFORMATION

Always prioritize safety when working with vehicle suspension components. Improper installation or handling can lead to serious injury or vehicle damage. It is recommended that installation be performed by a qualified technician.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before beginning any work.
- Never work under a vehicle supported only by a jack.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Do not attempt to disassemble the strut assembly unless you are trained and equipped to handle compressed springs safely.

PARTS INCLUDED

The Monroe Monro-Matic Plus 801680 Suspension Strut typically includes the following components:

- Monroe Monro-Matic Plus 801680 Suspension Strut assembly
- Parts Pack(s) (e.g., mounting hardware, nuts)

Note: Additional components such as dust boots, jounce bumpers, or spring isolators may be sold separately and are

recommended for a complete replacement.

SETUP AND INSTALLATION

This section outlines the general steps for installing the Monroe Monro-Matic Plus 801680 Suspension Strut. Specific procedures may vary by vehicle make and model. Always consult your vehicle's repair manual for detailed instructions.

Tools Required:

- Vehicle jack and jack stands
- Wheel lug wrench
- Socket set and wrenches (metric/standard as required)
- Torque wrench
- Penetrating oil (optional)
- Spring compressor (if disassembling strut assembly)

Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheel corresponding to the strut being replaced.
2. **Lift Vehicle:** Safely lift the vehicle using a jack and support it securely with jack stands. Remove the wheel.
3. **Access Strut:** Locate the strut assembly. You may need to remove brake lines, ABS sensor wires, or sway bar links that are attached to the strut.
4. **Remove Old Strut:** Loosen and remove the lower mounting bolts connecting the strut to the steering knuckle or control arm. Open the hood and remove the upper mounting nuts securing the strut to the vehicle's chassis. Carefully remove the old strut assembly.
5. **Prepare New Strut:** If transferring the coil spring, top mount, or other components from the old strut, use a spring compressor to safely compress the spring before disassembly. Install the spring and other components onto the new Monroe 801680 strut.
6. **Install New Strut:** Position the new strut assembly into the vehicle. Secure the upper mounting nuts first, then align and secure the lower mounting bolts. Ensure all attachments are properly seated.
7. **Reconnect Components:** Reattach any brake lines, ABS sensor wires, or sway bar links that were disconnected.
8. **Torque Fasteners:** Torque all mounting bolts and nuts to the vehicle manufacturer's specifications. This is critical for safety and proper performance.
9. **Reinstall Wheel:** Reinstall the wheel and hand-tighten the lug nuts.
10. **Lower Vehicle:** Carefully lower the vehicle to the ground. Torque the lug nuts to the manufacturer's specifications.
11. **Final Check:** Bounce the vehicle a few times to settle the suspension. Check for any loose components or unusual noises.



Figure 1: The Monroe Monro-Matic Plus 801680 Suspension Strut. This image shows the complete strut assembly, including the strut body, spring seat, and mounting points. A single nut is visible at the bottom, likely for securing the strut to the vehicle.

OPERATING CONSIDERATIONS

Once installed, the Monroe Monro-Matic Plus 801680 Suspension Strut will immediately begin to provide improved ride comfort and handling. No specific operational adjustments are typically required after installation.

- **Initial Ride:** The vehicle's ride height may settle slightly after a few days of driving as the new components break in.
- **Alignment:** It is highly recommended to have a professional wheel alignment performed after replacing any suspension components, including struts. This ensures proper tire wear and vehicle handling.

MAINTENANCE

Monroe Monro-Matic Plus struts are designed for long-lasting performance with minimal maintenance. However, regular inspection of your vehicle's suspension components is crucial for safety and longevity.

- **Periodic Inspection:** During routine vehicle maintenance (e.g., oil changes, tire rotations), visually inspect the struts for signs of wear, damage, or fluid leaks.
- **Check Mounting Points:** Ensure all mounting bolts and nuts remain tight. Re-torque if necessary according to vehicle manufacturer specifications.
- **Dust Boots/Jounce Bumpers:** If optional dust boots and jounce bumpers were installed, check their condition. Replace if torn or damaged to protect the strut rod.

Note: A properly functioning strut should not show signs of fluid leakage around the piston rod seal. Any visible fluid indicates a failing strut that requires replacement.

TROUBLESHOOTING

If you experience issues after installing your new Monroe struts, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Noisy suspension (clunking, rattling)	Loose mounting bolts, worn sway bar links, damaged strut mount, incorrect installation.	Check and re-torque all fasteners. Inspect other suspension components for wear. Ensure proper installation.
Uneven ride height	Incorrect spring installation, damaged spring, incorrect part for vehicle, vehicle not settled.	Verify correct spring seating. Ensure correct part application. Drive vehicle to allow suspension to settle, then re-evaluate.
Poor handling or steering pull	Misaligned wheels, worn steering components, incorrect strut installation.	Perform a wheel alignment. Inspect steering and suspension components.
Fluid leaking from strut	Damaged seal, internal failure.	Strut requires replacement.

If troubleshooting steps do not resolve the issue, consult a certified automotive technician.

SPECIFICATIONS

Feature	Detail
Model Number	801680
Brand	Monroe
Part Position	Rear
Technology	Velocity Proportional Valving (VPV), Nitrogen Gas-Charged
Material	Metal
Item Weight	9 pounds
Product Dimensions	20.4 x 8.8 x 7.6 inches
OEM Part Number	801680
UPC	048598531636

WARRANTY INFORMATION

Monroe products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the official Monroe website or the warranty documentation included with your purchase. Typically, this covers defects in material and workmanship under normal use and service.

Note: Improper installation, modification, or use in applications for which the part was not designed may void the warranty.

SUPPORT AND CONTACT

For technical assistance, installation questions, or warranty claims, please contact Monroe customer support:

- **Monroe Official Website:** www.monroe.com
- Refer to the product packaging or Monroe's website for specific contact numbers or email support.

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This manual is for informational purposes only. Monroe is not responsible for any damage or injury resulting from improper installation or use of this product.