

- Manuals.plus /
- › [Monroe](#) /
 - › Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly User Manual

Monroe 181126

Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly User Manual

Model: 181126 | Brand: Monroe

- Overview
- Installation
- Function
- Maintenance
- Troubleshooting
- Specifications
- Warranty & Support

1. PRODUCT OVERVIEW

The Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly is a complete, fully-assembled unit designed for direct replacement of your vehicle's existing strut. This integrated design simplifies the installation process by eliminating the need for a spring compressor, ensuring a comprehensive repair.

Key features include nitrogen gas charging, velocity proportional valving, and all-weather fluid, which collectively contribute to improved ride comfort and consistent performance across various driving conditions. This assembly is engineered and tested to meet Original Equipment (OE) specifications, providing a reliable solution for domestic and import passenger cars, light trucks, and SUVs.





Figure 1.1: Front view of the Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly. This image displays the complete unit, including the strut, coil spring, and upper mount.

2. INSTALLATION GUIDE

The Monroe RoadMatic 181126 assembly is designed for a quicker, safer, and easier installation process. As a complete unit, it includes all necessary components for strut replacement, removing the requirement for a separate spring compressor. This fully integrated design significantly reduces installation time.

2.1 Compatibility

This assembly is compatible with the following vehicle models:

- 2007-2010 Chrysler Sebring
- 2011-2014 Chrysler 200
- 2008-2014 Dodge Avenger

Important: Before purchasing and installing, it is crucial to verify compatibility with your specific vehicle. Always enter all vehicle information (year, make, model, engine, and trim) to ensure the correct part fitment.

2.2 Installation Process Overview

While the RoadMatic assembly simplifies the process, suspension work requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified automotive technician. Improper installation can lead to vehicle damage, personal injury, or compromised vehicle safety and performance.

1. **Preparation:** Safely lift and support the vehicle. Remove the wheel.
2. **Disassembly:** Disconnect brake lines, ABS sensors, and any other components attached to the existing strut. Unbolt the lower strut mount and the upper strut mount nuts.
3. **Removal:** Carefully remove the old strut assembly from the vehicle.
4. **Installation of New Assembly:** Position the new Monroe RoadMatic assembly into place. Secure the upper strut mount nuts and the lower strut mount bolts.
5. **Reassembly:** Reconnect all previously detached components (brake lines, ABS sensors, etc.).
6. **Final Steps:** Reinstall the wheel. Lower the vehicle. It is recommended to perform a wheel alignment after replacing suspension components to ensure proper vehicle handling and tire wear.

EASY TO INSTALL

Fully integrated design reduces installation time,
eliminating the need for a spring compressor

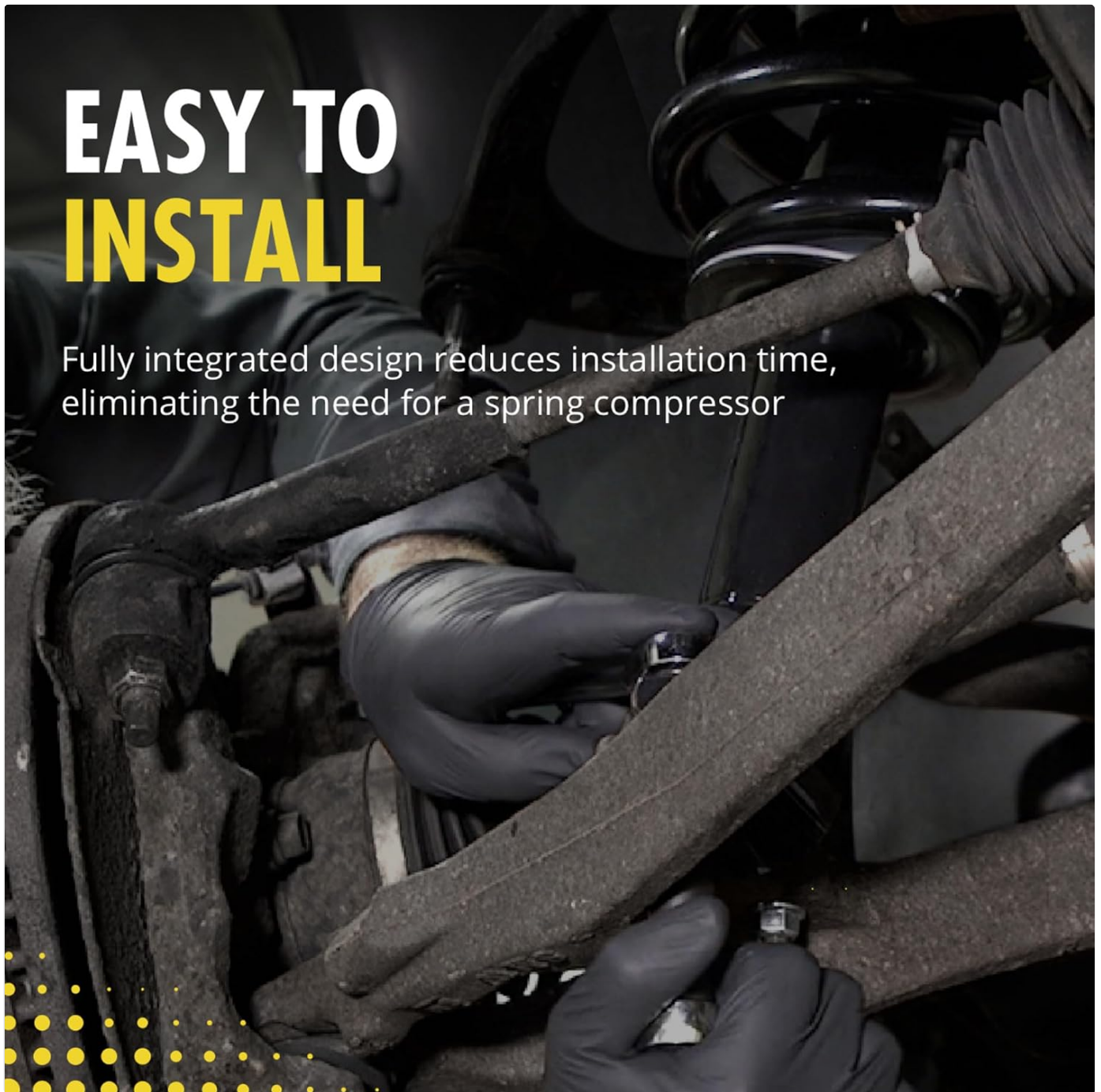


Figure 2.1: Illustration of a mechanic performing suspension work. Professional installation is recommended for this product.

3. PRODUCT FUNCTION AND PERFORMANCE

The Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly plays a critical role in your vehicle's suspension system, providing both structural support and damping capabilities. The strut dampens spring oscillations, ensuring tire contact with the road, while the coil spring supports the vehicle's weight and absorbs road imperfections. This assembly is engineered to deliver consistent performance through its advanced features:

- **Nitrogen Gas-Charge:** Helps maintain consistent performance by reducing aeration and foaming of the hydraulic fluid, especially under demanding conditions.
- **Velocity Proportional Valving:** Adjusts damping force based on the speed of suspension movement, providing a smooth ride over small bumps and firm control during larger impacts.
- **All-Weather Fluid:** Ensures consistent performance across a wide range of temperatures, from extreme cold to intense heat.

These combined technologies contribute to improved ride comfort, enhanced handling, and extended product life, helping you get more miles from your ride while maintaining OE specifications.

CONSISTENT PERFORMANCE

Features nitrogen gas-charge and all-weather fluid for improved ride and handling



Figure 3.1: Close-up view of the Monroe RoadMatic strut, highlighting its design for consistent performance.

4. MAINTENANCE

Monroe RoadMatic strut assemblies are designed for durability and long-term performance. While they do not require routine user maintenance, periodic inspection of your vehicle's suspension components is recommended to ensure optimal safety and performance.

4.1 Recommended Inspections

- **Visual Inspection:** Regularly check for signs of fluid leaks from the strut body, damaged or cracked rubber boots, and bent or corroded components.
- **Performance Check:** Pay attention to changes in ride quality, such as excessive bouncing, nose-diving during

braking, excessive body roll during turns, or unusual noises (e.g., knocking, clunking) from the suspension.

- **Professional Assessment:** It is advisable to have your suspension system, including the struts and coil springs, inspected by a qualified mechanic during routine vehicle servicing (e.g., tire rotations, oil changes). They can identify wear and tear that may not be immediately apparent.

Addressing any issues promptly can prevent further damage to other suspension components and maintain vehicle safety.

5. TROUBLESHOOTING COMMON ISSUES

If you experience any issues with your vehicle's suspension after installing the Monroe RoadMatic assembly, consider the following common symptoms and potential causes. For complex issues, always consult a professional automotive technician.

Symptom	Possible Cause	Recommended Action
Excessive Bouncing or "Floating" Ride	Worn or failing strut damping.	Inspect for fluid leaks or damage. If new, verify proper installation. If older, consider replacement.
Knocking or Clunking Noises	Loose mounting bolts, worn bushings, or internal strut failure.	Check all mounting points for tightness. Inspect bushings for wear. Professional diagnosis recommended.
Vehicle Pulling to One Side	Improper alignment, uneven tire pressure, or a damaged strut/spring on one side.	Check tire pressure. Get a professional wheel alignment. Inspect suspension components for damage.
Uneven Tire Wear	Misalignment, worn suspension components, or improper tire inflation.	Check tire pressure. Get a professional wheel alignment. Inspect struts and other suspension parts.
Vehicle Bottoming Out	Overloaded vehicle, worn coil springs, or severely worn struts.	Ensure vehicle is not overloaded. Inspect coil springs for sagging or breakage. Assess strut condition.

Note: Any significant change in vehicle handling or ride comfort should be investigated by a qualified mechanic immediately.

6. PRODUCT SPECIFICATIONS

The following table provides detailed specifications for the Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly:

Attribute	Detail
Brand	Monroe
Model Number	181126
Auto Part Position	Right

Attribute	Detail
Vehicle Service Type	Car, Truck
Exterior Finish	Machined
Extended Length	20.3 Inches
Item Weight	0.01 ounces (Note: This seems unusually low and may refer to packaging weight or a specific component, not the full assembly.)
Product Dimensions	30.4 x 7.8 x 8.8 inches
UPC	048598213082
Manufacturer	Monroe Shocks & Struts
Date First Available	September 1, 2018

Note on Item Weight: The listed item weight of 0.01 ounces appears to be an error in the source data for a product of this type and size. The actual weight of a strut and coil spring assembly would be significantly higher.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Monroe RoadMatic 181126 Suspension Strut and Coil Spring Assembly comes with **a three-year warranty**. For complete details regarding warranty coverage, terms, and conditions, please visit the official Monroe website.
Monroe Official Website: www.monroe.com

7.2 Customer Support

For technical assistance, installation questions, or any other inquiries regarding your Monroe RoadMatic product, please contact Monroe customer support. Refer to the Monroe official website for the most current contact information, including phone numbers and online support options.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

<https://manuals.plus/asin/B07GQ8JV8C>

More documents and user manuals: **<https://manuals.plus/>**