



Manuals.plus /

› A-Premium /

› A-Premium Rear Left or Right Air Suspension Strut Assembly User Manual

A-Premium 2203202338

A-Premium Rear Left or Right Air Suspension Strut Assembly User Manual

Model: 2203202338

[Fitment](#) [Features](#) [Components](#) [Introduction](#) [Vehicle](#)
[Installation](#) [Troubleshooting](#) [Specifications](#) [What's in the](#)
[Box](#) [Warranty & Support](#)

1. INTRODUCTION

This user manual provides essential information for the A-Premium Rear Left or Right Air Suspension Strut Assembly. This component is designed to enhance vehicle ride comfort and stability by effectively absorbing shocks and reducing vibrations. Proper installation and maintenance are crucial for optimal performance and longevity.



Image 1.1: A-Premium Rear Left or Right Air Suspension Strut Assembly in its product packaging.

2. VEHICLE FITMENT

This air suspension strut assembly is compatible with the following Mercedes-Benz models:

- Mercedes-Benz S430: 1999-2006 (V8 4.3L)
- Mercedes-Benz S500: 2000-2006 (V8 5.0L)
- Mercedes-Benz S55 AMG: 2001-2002 (V8 5.5L)

Important Note: This part is *not* compatible with Armored Body vehicles or vehicles with Code 487 (Active Body Control).

Installation Position: Rear Left or Right, Driver or Passenger Side.

3. PRODUCT FEATURES AND ADVANTAGES

The A-Premium Air Suspension Strut Assembly offers several key advantages for your vehicle's suspension system:

- **Improved Ride Comfort:** Effectively absorbs shock and reduces vibration, leading to a smoother driving experience.
- **Adjustable Ride Height and Stiffness:** Allows for easier adjustment to accommodate different loads, road conditions, or driving preferences.
- **Enhanced Driving Stability:** Contributes to better vehicle control and stability, especially on varying terrains.
- **Durable Construction:** Manufactured with corrosion-resistant materials and precise construction for extended service life.
- **Low Maintenance Operation:** Designed for reliable performance with minimal maintenance requirements.



IMPROVE STABILITY

Premium materials ensure better stability and driving comfort

Image 3.1: Illustration demonstrating how the air suspension strut improves vehicle stability and driving comfort.



Thermoplastic elastomers bring high durability



Excellent toughness and wear resistance



Stainless steels ensure strong bonding and corrosion resistance

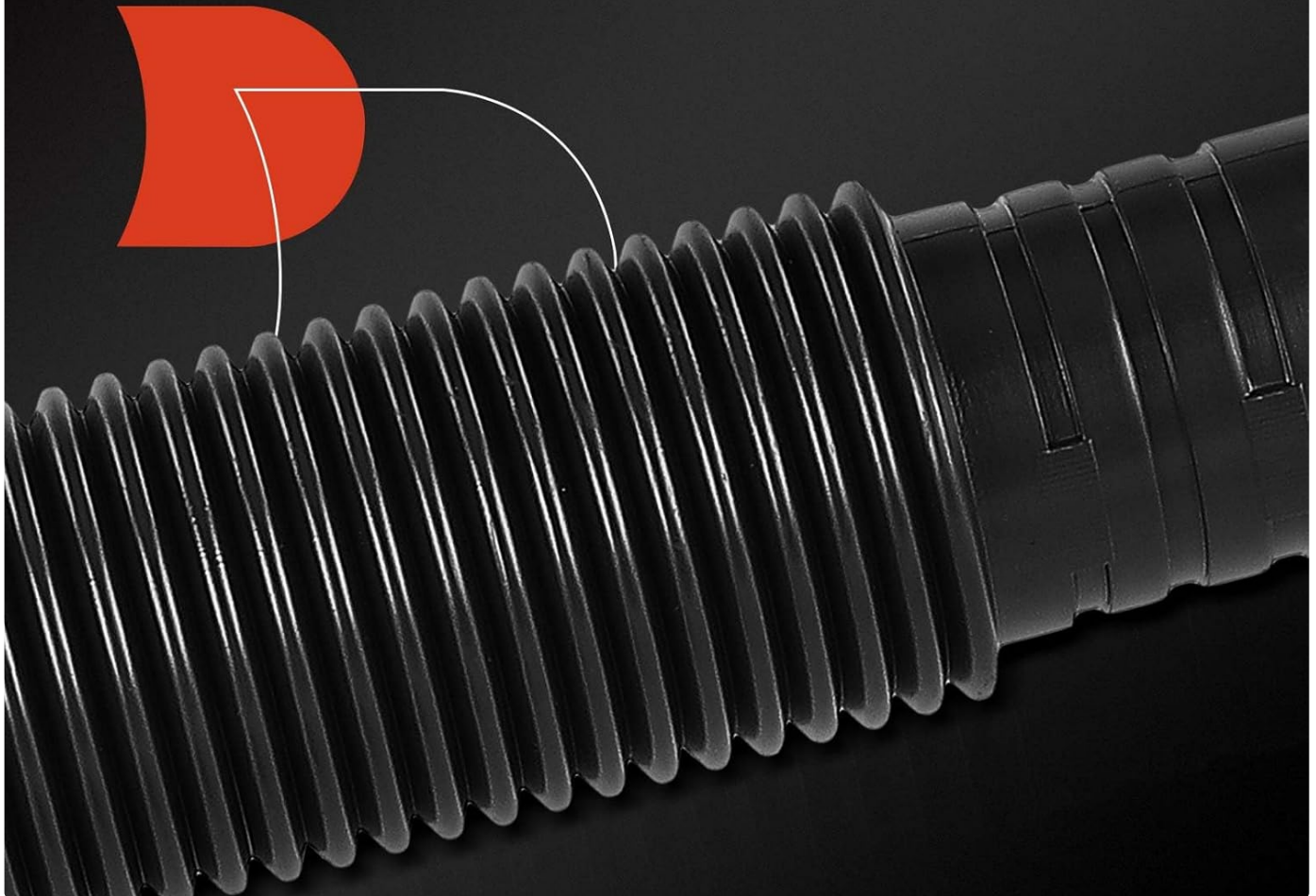


Image 3.2: Detail of the strut's robust construction, highlighting the Q235 steel materials and black coating for durability and rust resistance.



CHOOSE US, CHOOSE QUALITY

Fatigue strength & fracture toughness at **1,000,000** cycles in fatigue testing

Strict quality and exact fit bring perfect operation and driving experience

Image 3.3: Close-up view of the thermoplastic elastomers used in the strut, emphasizing their high durability, excellent toughness, wear resistance, and the strong bonding and corrosion resistance provided by stainless steels.

4. COMPONENTS OVERVIEW

The air suspension strut assembly consists of several key components working in conjunction to provide optimal suspension performance:



Lower Mount

Working Cylinder

Stainless Steel Clamps

Dust Cover

Aluminum Shell

Upper Mount

Fastening Bolts

Image 4.1: Labeled diagram illustrating the main components of the air suspension strut assembly, including the lower mount, working cylinder, stainless steel clamps, dust cover, aluminum shell, upper mount, and fastening bolts.

DETAILS



Image 4.2: Detailed close-up views of various parts of the strut, showcasing the quality and design of the fastening bolt, power supply interface, aluminum shell, working cylinder, bellows, and installation bracket.

5. INSTALLATION GUIDANCE

Installation of the air suspension strut assembly requires specific automotive knowledge and tools. It is highly recommended to consult your vehicle's official shop manual for detailed, model-specific instructions.

ATTENTION:

If you do not have an installation manual or sufficient skills to install this part, it is strongly recommended that you seek help from a qualified mechanic to ensure proper and safe installation.

Your browser does not support the video tag.

Video 5.1: An overview of the A-Premium Complete Suspension Strut & Coil Spring Assembly, demonstrating its function and components. This video provides a general understanding of the product type and its operation.

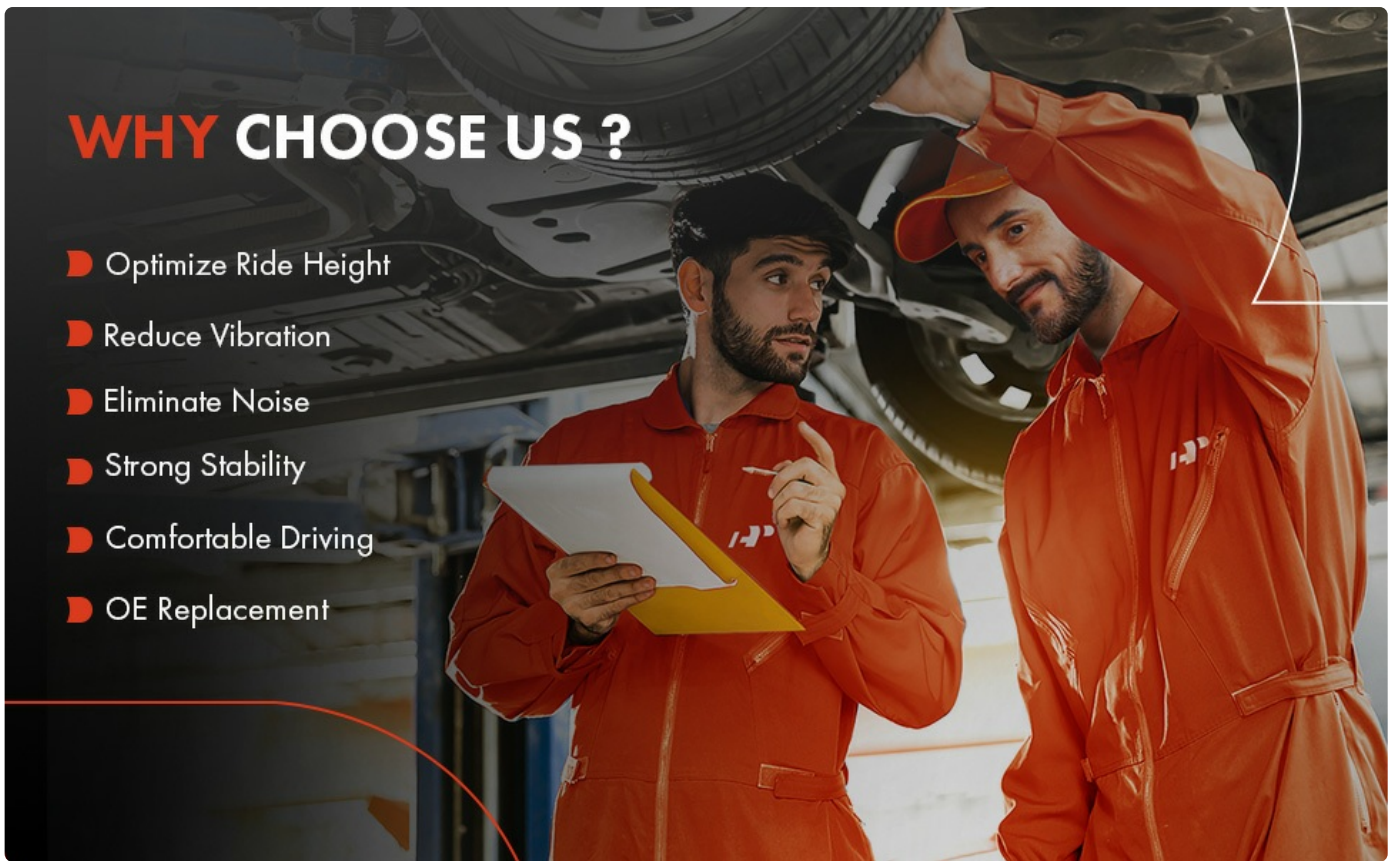


Image 5.1: Professional mechanics inspecting a vehicle's undercarriage, emphasizing the importance of expert installation and inspection for automotive parts.

6. TROUBLESHOOTING: SYMPTOMS OF FAILING AIR STRUTS

Recognizing the symptoms of a failing air suspension strut can help in timely replacement and prevent further damage to your vehicle. Common symptoms include:

- **Excessive Vibration:** Unusual or increased vibrations felt through the steering wheel or cabin.
- **Abnormal Noise:** Clunking, squeaking, or knocking sounds coming from the suspension area.
- **Air Leakage:** Visible signs of air leaks or the vehicle sagging on one side.
- **Uneven Tire Wear:** Irregular wear patterns on tires, indicating improper suspension alignment or function.

SYMPTOMS OF FAILING AIR STRUTS



1 Excessive vibration



2 Abnormal noise



3 Air leakage



4 Uneven wear on tires

Image 6.1: Visual examples of common symptoms indicating a failing air strut, including a car with excessive vibration, a close-up of a noisy suspension component, a sagging vehicle due to air leakage, and a tire showing uneven wear.

7. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	A-Premium
Auto Part Position	Rear Left, Rear Right
Style	Modern
Vehicle Service Type	Fit for 1999-2006 S430, 2000-2006 S500, 2001-2002 S55 AMG
Exterior Finish	Black
Material	Metal, Rubber
Extended Length	37.5 Inches
OEM Part Number	949861, 4J2001S, SKAS022, AS7334, 2203205013, 2203202338, 2203207813, 2203207913
Automotive Fit Type	Vehicle Specific Fit
Manufacturer	PremiumpartsWhosale
Item Weight	18.71 pounds
Package Dimensions	39 x 6.5 x 6.45 inches
Item Model Number	2203202338
Manufacturer Part Number	0APAST006
Special Features	Corrosion-resistant Materials, Durable and Precise Construction, Effective Vibration Damping, Enhanced Driving Stability, Low Maintenance Operation

8. WHAT'S IN THE BOX

The product package includes:

- 1 x Rear Left or Right Air Suspension Strut Assembly

9. WARRANTY AND SUPPORT

A-Premium offers a one-year unlimited-mileage guarantee on this air suspension strut. For any inquiries or support, please refer to the manufacturer's official contact channels or the retailer where the product was purchased.