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Stabilus 4B-028513

Stabilus Tailgate Lift Support User Manual

Model: 4B-028513

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Stabilus Tailgate Lift Support. Please read this manual thoroughly before installation to ensure safe and effective use of the product. This product is designed to provide reliable support and controlled motion for vehicle tailgates, hoods, or trunks.

2. PRODUCT OVERVIEW

The Stabilus Tailgate Lift Support is a high-quality gas strut designed for automotive applications. It ensures the original opening and closing control of your vehicle's hood, hatch, or trunk. Manufactured to original equipment specifications, this lift support provides consistent performance and durability.



Figure 2.1: Stabilus Tailgate Lift Support. This image shows the complete lift support unit, a black cylindrical body with a thin rod extending from one end, terminating in a mounting point.

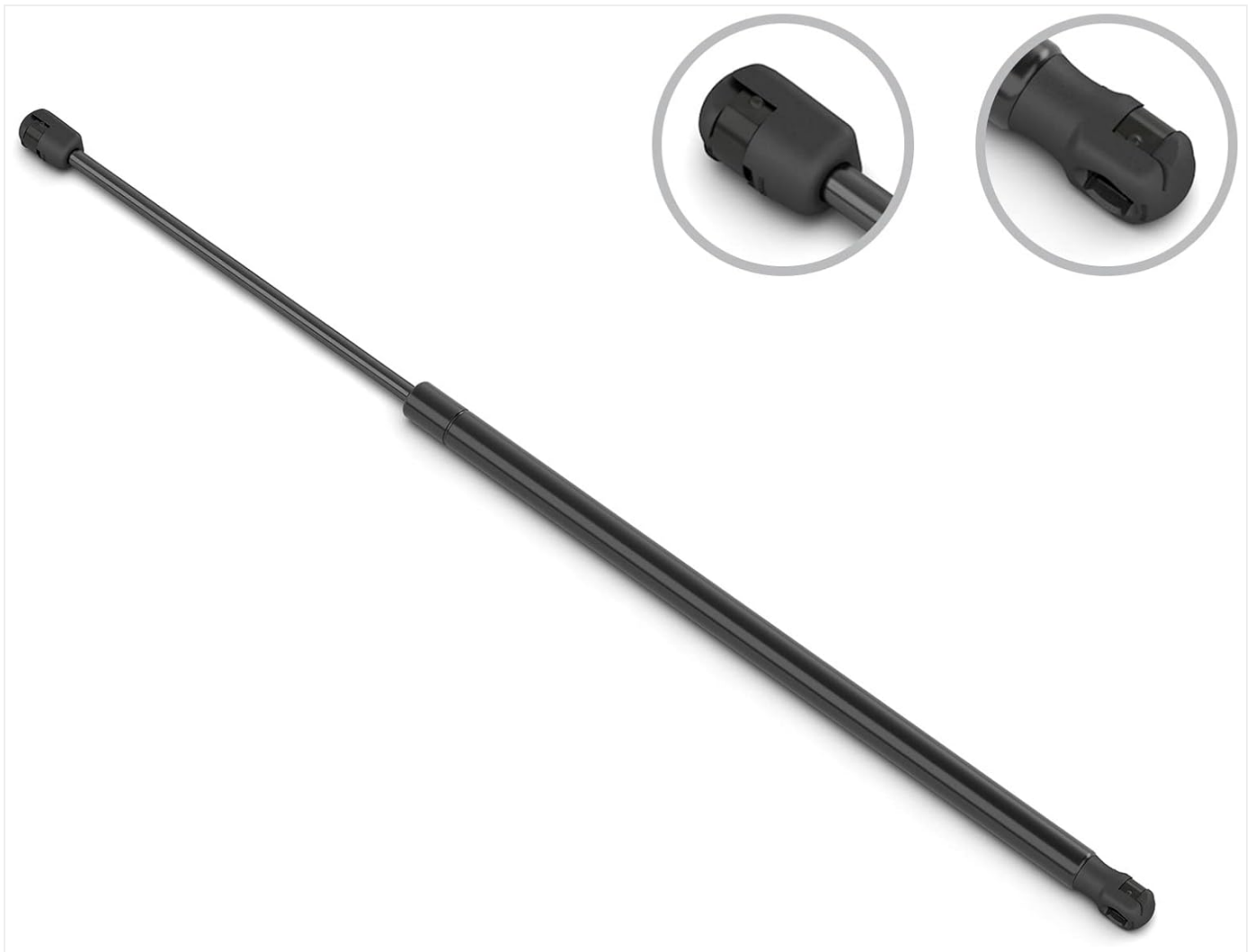


Figure 2.2: Detailed view of Stabilus Lift Support ends. This image highlights the mounting points at both ends of the lift support, showing the specific connection mechanisms.

STABILUS

Snow, rain, or shine.

Stabilus Gas Springs can withstand both the hot season and the rainy days.

The sealing package keeps out moisture and debris, enhancing the overall durability of the gas spring.

Figure 2.3: Illustration of Stabilus Gas Spring durability. This image depicts the product's resilience against various weather conditions, including snow, rain, and sunshine, emphasizing its robust sealing package designed to keep out moisture and debris.

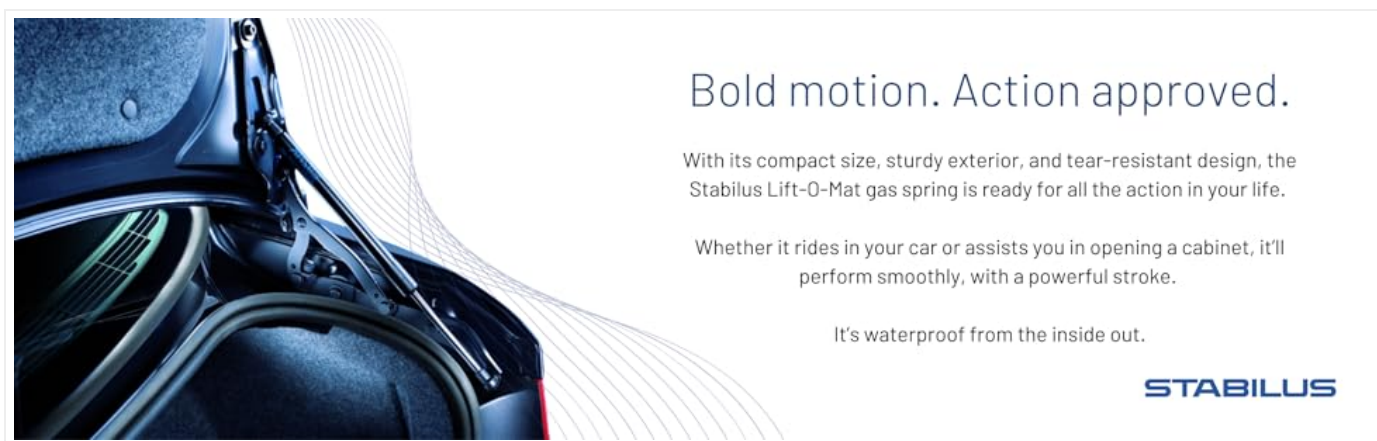


Figure 2.4: Stabilus Lift-O-Mat in application. This image shows the lift support installed in a vehicle's trunk, demonstrating its compact size and how it assists in smooth opening and closing motions.

3. SPECIFICATIONS

Attribute	Value
Brand	Stabilus
Model	LIFT-O-MAT®
Item Model Number	4B-028513
Manufacturer Part Number	4B-028513
Interchange Part Numbers	SG314001, 4600
Extended Length	19.67 inches
Force	625 N
Item Weight	4.8 ounces
Product Dimensions	19.65 x 1.5 x 1 inches
Color	Black
Special Features	OE Quality
UPC	194879005782, 194879027265

4. COMPATIBILITY

This Stabilus lift support is compatible with a range of vehicle models. Please verify your vehicle's specific requirements against the following list:

- 1977 - 1977, AMERICAN MOTORS HORNET
- 1976 - 1977, DODGE ASPEN
- 1984 - 1990, FORD BRONCO II
- 1978 - 1981, FORD FAIRMONT
- 1982 - 1982, FORD GRANADA
- 1983 - 1986, FORD LTD
- 1984 - 1993, FORD MUSTANG

- 1983 - 1986, MERCURY CAPRI
- 1982 - 1982, MERCURY COUGAR
- 1983 - 1986, MERCURY MARQUIS
- 1978 - 1981, MERCURY ZEPHYR
- 1976 - 1977, PLYMOUTH VOLARE

It is crucial to confirm the part number and specifications match your vehicle's existing lift support before installation.

5. SETUP AND INSTALLATION

Installation of lift supports typically involves a few common steps. Always refer to your vehicle's specific service manual for detailed instructions and safety precautions. Professional installation is recommended if you are unsure about any steps.

5.1 Safety Precautions

- Ensure the tailgate, hood, or trunk is securely supported before removing old lift supports. Use a prop rod or have another person hold it.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not compress or extend the new lift support manually with excessive force before installation, as this can damage the internal components.
- Avoid puncturing or heating the lift support, as it contains pressurized gas.

5.2 Installation Steps (General)

1. **Secure the Lid:** Open the tailgate, hood, or trunk and secure it in the fully open position using a suitable prop or assistance.
2. **Locate Old Support:** Identify the existing lift support. Note its orientation and how it is attached at both ends.
3. **Remove Old Support:** Depending on the attachment type (e.g., ball sockets, clips), use a small flat-head screwdriver or a specific tool to release the clips or pry off the old support from its mounting points. Remove one end at a time.
4. **Install New Support:** Align the new Stabilus lift support with the mounting points. For ball sockets, simply push the new support onto the ball studs until it clicks into place. Ensure a secure connection at both ends.
5. **Test Functionality:** Carefully remove the prop and slowly close and open the tailgate, hood, or trunk to ensure the new lift support operates smoothly and holds the lid securely in the open position.

If the lift support does not install easily or function correctly, re-check the part number for compatibility and ensure all safety steps were followed.

6. OPERATING INSTRUCTIONS

The Stabilus lift support operates automatically to assist in opening and holding open your vehicle's tailgate, hood, or trunk. No specific user operation is required beyond the normal opening and closing of the vehicle component it supports.

- **Opening:** When opening the supported component, the lift support will extend smoothly, assisting the lift and holding it in the fully open position.
- **Closing:** When closing, apply gentle downward pressure. The lift support will retract in a controlled manner, preventing sudden drops.

Do not force the component open or closed against the natural resistance of the lift support, as this can cause damage to the support or the vehicle's hinges.

7. MAINTENANCE

Stabilus lift supports are designed for long-term, maintenance-free operation. However, periodic inspection can help ensure

continued performance.

- **Visual Inspection:** Periodically check the lift supports for any signs of damage, such as bending, dents, or leaks around the seals.
- **Mounting Points:** Ensure the mounting points are clean and free of corrosion. The connections should be secure and free from excessive play.
- **Cleaning:** If necessary, wipe the exterior of the lift support with a clean, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Lubrication:** No lubrication is required for the internal components. Do not attempt to lubricate the rod or seals.

If any issues are observed, consider replacing the lift support to maintain proper functionality and safety.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your lift support.

Problem	Possible Cause	Solution
Lid does not stay open or falls slowly.	Worn out or faulty lift support.	Replace the lift support. It is recommended to replace both supports if your vehicle uses two, even if only one appears faulty.
Lid is difficult to close.	Incorrect lift support force (too strong) or binding hinges.	Verify the part number and force rating for your specific vehicle. Check hinges for obstruction or damage.
Squeaking or grinding noise during operation.	Corrosion or wear at mounting points; internal damage.	Inspect mounting points for rust or debris and clean if necessary. If noise persists, replace the lift support.
Lift support appears bent or damaged.	Physical impact or improper installation.	Replace the damaged lift support immediately.

9. WARRANTY AND SUPPORT

Stabilus products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or contact Stabilus customer support directly. Keep your proof of purchase for any warranty claims. For technical assistance or further inquiries, please visit the official Stabilus website or contact their customer service department.



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