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Strongarm 6153

Strongarm Automotive Lift Support User Manual

Model: 6153

PRODUCT OVERVIEW

The Strongarm 24 Inch Extended Length Automotive Replacement Hood Lift Support (Part #C6153) is designed to provide reliable support for automotive hoods, hatches, and rear window glass. These gas-charged cylinders are engineered to meet or exceed original equipment quality standards, ensuring smooth operation and long-lasting performance. They feature a hardened, nitride plated steel shaft, a self-cleaning piston technology, and a patented multi-lobe sealing system.

Vehicle Compatibility: This lift support is specifically designed for the 2007-2012 GMC Acadia.



Image: Strongarm Gas Charged Lift Support, showing the product in its retail packaging.

KEY FEATURES

- **High Quality Construction:** Engineered and built to meet or exceed original equipment quality standards, ensuring correct fit and function. Each unit is individually tested for performance and reliability.
- **Durable Design:** Features a hardened, nitride plated steel shaft for optimal durability and an upper bushing manufactured with precision for exact fit and extended operating life.
- **Maximum Performance:** Equipped with a rubber O-ring piston seal to prevent leakage, providing controlled lift and consistent performance. The self-cleaning piston assembly ensures smooth operation.
- **Robust Body:** The heavy gauge steel body is electrostatically painted and heat cured to match OE specifications, enhancing resistance to corrosion and wear.

STRONGARM[®]
GAS CHARGED LIFT SUPPORTS

**INGENUITY
PERFECT
QUALITY**

**10mm OEM
EXACT SOCKET**

**HIGH QUALITY
OF STEEL**

**NITROGEN
HYDRAULIC
CILYNDER**

Image: Close-up view of the Strongarm lift support, emphasizing its high-quality steel, 10mm OEM exact socket, and nitrogen hydraulic cylinder.

STRONGARM[®]
GAS CHARGED LIFT SUPPORTS



DWARE

UNIVERSAL BRACKETS



GAS SPRINGS

Image: Detailed view of the Strongarm lift support, illustrating its overall design, universal brackets, and gas spring mechanism.

STRONGARM[®]

GAS CHARGED LIFT SUPPORTS



Provides smoother operation



Delivers longer lasting performance



Direct fit. OEM replacement designs

Image: Visual representation of the benefits of Strongarm lift supports, including smoother operation, longer-lasting performance, and direct OEM replacement designs.

SETUP AND INSTALLATION

Lift supports should always be replaced in pairs to ensure balanced and safe operation of your hood, hatch, or liftgate. No special installation tools are typically required for this process.

Installation Steps:

1. **Step 1: Secure the Hatch/Hood:** Have a second person hold the hatch or hood securely in the fully open position. This is crucial for safety and to prevent accidental closure during the replacement process.
2. **Step 2: Remove Old Lift Support:** Carefully remove the old lift support. This usually involves prying off retaining clips or unscrewing bolts at both ends of the support. Note the orientation of the old support before removal.
3. **Step 3: Install New Lift Support:** Attach the new Strongarm lift support by snapping it into place or securing it with the appropriate fasteners. Ensure both ends are firmly connected. Repeat for the second lift support.

QUICK AND EASY INSTALLATION



1
**HOLD OPEN
THE HATCH**



2
**REMOVE OLD LIFT
SUPPORT**



3
**REPLACE WITH
NEW LIFT SUPPORT**

**NO SPECIAL
INSTALLATION
TOOLS
REQUIRED**

Image: Visual guide illustrating the quick and easy installation process: 1) Hold open the hatch, 2) Remove old lift support, 3) Replace with new lift support. Emphasizes that no special installation tools are required.

OPERATING INSTRUCTIONS

Once installed, the Strongarm lift supports will assist in holding open the hood, hatch, or rear window glass of your vehicle. They are designed to provide a controlled and smooth lift, and to maintain the open position securely.

- To open: Gently lift the hood or hatch until the lift supports engage and hold it in the open position.
- To close: Apply gentle downward pressure to the hood or hatch. The lift supports will compress smoothly as it closes.

VERSATILE SUPPORT SMOOTHER OPERATION



Image: Diagram illustrating the versatile application of Strongarm lift supports for smoother operation of a vehicle's hatch, rear glass, and hood.



Image: A woman looking into the engine bay of a car, with the hood securely held open by a Strongarm lift support.

MAINTENANCE AND CARE

Strongarm lift supports are designed for long-term, maintenance-free operation. However, following these general guidelines can help ensure their longevity:

- Keep the piston rod clean and free from dirt, grease, or paint. Do not apply lubricants to the rod.
- Avoid bending or damaging the piston rod or cylinder.
- Ensure mounting points are secure and free from corrosion.
- Periodically check for any signs of leakage or reduced performance.

TROUBLESHOOTING

If you experience issues with your lift supports, consider the following common problems and solutions:

- **Hood/Hatch Does Not Stay Up:** This is the most common sign of a failing lift support. Both lift supports should be replaced simultaneously, even if only one appears to be failing. Over time, the gas pressure inside the cylinder can decrease.

- **Difficulty Opening/Closing:** If the hood or hatch is unusually stiff to open or close, check for any obstructions around the mounting points or hinges. If none are present, the lift supports may be failing internally.
- **Squeaking/Grinding Noises:** Inspect the mounting points for corrosion or loose connections. A small amount of silicone grease on the ball studs (if applicable) can sometimes alleviate minor noises, but avoid lubricating the piston rod itself.

If problems persist after checking these points, it is recommended to replace the lift supports.

SPECIFICATIONS

Attribute	Detail
Brand	Strongarm
Model Number	6153
Manufacturer Part Number	6153
OEM Part Numbers	25796761, Monroe 901855, 900296, SG230105, Stabilus SG230105, SG130098
Vehicle Fitment	2007-2012 GMC Acadia
Extended Length	24 Inches
Item Weight	1 pound
Product Dimensions	1 x 2 x 31 inches
Material	Metal
Color	Black
UPC	845998009051

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Strongarm lift supports, please refer to the manufacturer's official website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: StrongArm