

## Sargent 351 O EN

# Sargent 351 O Standard Arm Powerglide Door Closer Instruction Manual

Model: 351 O EN

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, adjustment, and maintenance of the Sargent 351 O Standard Arm Powerglide Door Closer. Designed for durability and versatility, this door closer ensures controlled door operation in various applications. Please read these instructions thoroughly before proceeding with installation or adjustments.

## 2. KEY FEATURES

- **Versatile Mounting:** Supports standard, top jamb, parallel, and track installations.
- **Adjustable Spring Power:** Allows for a size range of 1 through 6, factory-set to size 3.
- **Universal Body:** One door closer body accommodates all specified mounting applications.
- **Durable Construction:** Features a heavy-duty one-piece die-cast aluminum silicon alloy body with 14% silicon for superior strength and wear resistance.
- **Protective Valves:** Standard pressure relief valves for both opening and closing cycles protect the door and frame from damage.
- **Secure Arm Engagement:** 1/2" arm engagement over a 7/16" square spindle ensures a wear-resistant, tight joint.
- **Included Hardware:** Machine screws, self-tapping screws, and wood screws (for wood doors without through bolts) are provided.

## 3. SETUP AND INSTALLATION

The Sargent 351 O door closer offers multiple installation configurations. Refer to the specific template provided with your product for precise hole drilling and mounting instructions for standard, top jamb, parallel, or track installations.

1. **Prepare the Door and Frame:** Ensure the door and frame surfaces are clean and free of obstructions. Mark drilling locations according to the chosen mounting template.
2. **Drill Holes:** Carefully drill pilot holes as indicated by the template. Use appropriate drill bits for the door and frame material.

3. **Mount the Closer Body:** Secure the closer body to the door or frame using the provided machine screws, self-tapping screws, or wood screws as applicable. Ensure the body is level and firmly attached.
4. **Attach the Arm Assembly:** Connect the main arm to the closer spindle, ensuring the 1/2" arm engagement over the 7/16" square spindle is secure. Attach the shoe to the door frame or door, depending on the mounting type.
5. **Initial Adjustment:** Perform initial adjustments as described in Section 4 to ensure the door closes smoothly and at the desired speed.



**Figure 3.1:** The Sargent 351 O Standard Arm Powerglide Door Closer. This image displays the main body of the door closer with its standard arm assembly, illustrating its compact design and robust construction suitable for various door types and mounting configurations.

## 4. OPERATING AND ADJUSTMENT

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The Sargent 351 O door closer features adjustable spring power and hydraulic valves to control closing speed and latching action.

### 4.1. Spring Power Adjustment

The spring power is adjustable, allowing the closer to be set for door sizes 1 through 6. The unit is factory-set to size 3. To adjust, locate the spring adjustment nut (typically at the end of the closer body). Turning the nut clockwise increases closing force (for heavier doors or higher wind loads), and counter-clockwise decreases it.

### 4.2. Closing Speed Adjustment

Two independent valves control the closing speed:

- **Main Closing Speed Valve:** Controls the speed of the door from its full open position to approximately 15 degrees from closed. Turn clockwise for slower speed, counter-clockwise for faster speed.
- **Latching Speed Valve:** Controls the speed of the door for the final 10-15 degrees of closing, ensuring proper latch engagement. Turn clockwise for slower latching, counter-clockwise for faster latching.

**Important:** Make small adjustments (quarter-turns) at a time and test the door's operation after each adjustment. Overtightening valves can damage the closer. The pressure relief valves protect the door and frame from damage during both opening and closing cycles.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your Sargent 351 O door closer.

- **Periodic Inspection:** Annually inspect the closer body, arm assembly, and mounting screws for any signs of wear, damage, or looseness.
- **Tighten Fasteners:** Ensure all mounting screws and arm assembly fasteners are securely tightened. Do not overtighten.
- **Clean Surfaces:** Wipe down the closer body and arm with a soft, damp cloth to remove dust and grime. Avoid

abrasive cleaners.

- **Check for Leaks:** Inspect for any signs of hydraulic fluid leakage around the closer body or valves. If leaks are detected, contact customer support.
- **Re-adjust as Needed:** If door operation changes (e.g., speed becomes too fast or slow), re-adjust the closing and latching speeds as described in Section 4.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your door closer.

- **Door Slams Shut:** The closing speed is too fast. Adjust the main closing speed valve (and possibly the latching speed valve) clockwise to slow down the door.
- **Door Closes Too Slowly:** The closing speed is too slow. Adjust the main closing speed valve (and possibly the latching speed valve) counter-clockwise to speed up the door.
- **Door Does Not Latch:** The latching speed is too slow or the spring power is insufficient. Adjust the latching speed valve counter-clockwise or increase spring power by turning the spring adjustment nut clockwise.
- **Door is Hard to Open:** Spring power may be set too high. Decrease spring power by turning the spring adjustment nut counter-clockwise.
- **Oil Leakage:** Indicates a potential seal failure. This usually requires professional service or replacement of the closer. Contact customer support.

## 7. SPECIFICATIONS

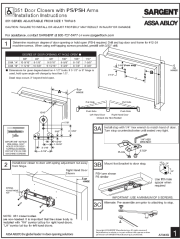
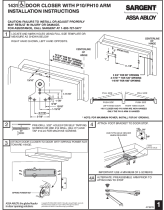

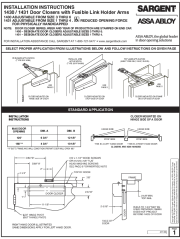
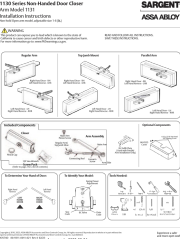
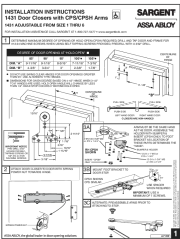
Feature	Detail
Brand	Sargent
Model Number	351 O EN
Material	Die-cast Aluminum Silicon Alloy (14% Silicon), Metal
Exterior Finish	Aluminum, Brass
Installation Method	Screw-In
Spring Power	Adjustable, Size 1-6 (Factory set to Size 3)
Valves	Captivated Brass Valves, Standard Pressure Relief Valves
Arm Engagement	1/2" over 7/16" square spindle

## 8. WARRANTY AND SUPPORT

For specific warranty information and technical support, please refer to the documentation included with your purchase or visit the official Sargent website. Keep your proof of purchase for warranty claims.  
For further assistance, contact Sargent customer service through their official channels.



Related Documents - 351 O EN

	<p><a href="#">SARGENT 351 Series Door Closer Installation Instructions   PS/PSH Arms</a></p> <p>Comprehensive installation guide for SARGENT 351 Series Door Closers with PS and PSH parallel arms. Learn how to mount, adjust, and troubleshoot your door closer. Includes diagrams and specifications.</p>
	<p><a href="#">SARGENT 1431 Door Closer with P10/PH10 Arm Installation Instructions</a></p> <p>Comprehensive installation guide for the SARGENT 1431 Door Closer, including P10 and PH10 arms. Covers mounting, adjustments, and accessories for reliable door operation and safety.</p>
	<p><a href="#">SARGENT 2900 FIREGUARD Electromechanical Closer-Holder Installation Instructions</a></p> <p>Detailed installation guide for the SARGENT 2900 FIREGUARD Electromechanical Closer-Holder, model 2980 Multipoint Hold Open with Swing Free Arm. Includes steps for mounting, arm and track installation, adjustments, and wiring.</p>
	<p><a href="#">Sargent 1430/1431 Door Closer Installation Instructions</a></p> <p>Comprehensive installation guide for Sargent 1430 and 1431 series door closers, including standard, parallel arm, and top jamb applications. Details spring adjustment, backcheck regulation, and use of accessories.</p>
	<p><a href="#">SARGENT 1130 Series Non-Handed Door Closer Installation Instructions   Model 1131</a></p> <p>Comprehensive installation guide for the SARGENT 1130 Series Non-Handed Door Closer, Model 1131. Covers Regular Arm, Top Jamb, and Parallel Arm installations, adjustments, and components.</p>
	<p><a href="#">Sargent 1431 Door Closer Installation Instructions with CPS/CPSH Arms</a></p> <p>Comprehensive installation guide for Sargent 1431 adjustable door closers, featuring CPS and CPSH arms. Covers mounting, adjustments, and accessories for various door and frame conditions.</p>

