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Sargent & Greenleaf 8550

Sargent & Greenleaf 8550-100 Group 1 Combination Lock User Manual

Model: 8550-100

Introduction Features Components Setup & Installation Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Sargent & Greenleaf 8550-100 Group 1 Combination Lock. The 8550 Series is a high-security mechanical combination lock designed for robust protection. It is Underwriters Laboratories Listed Group 1, VdS Class 2, CEN B, DNV 3492, and CNPP A2P B/E certified, ensuring a high level of manipulation resistance. This lock features three wheels, offering 1,000,000 theoretical combinations, and includes an internal relock trigger for enhanced security against punch attacks.

2. Key Features

- **Keyless Combination Lock:** Operates without a key for convenient access control.
- **Ring Controller:** Features a ring-shaped controller for precise and smooth dialing.
- **Modern Style:** Designed with a sleek, contemporary aesthetic.
- **Spy-Proof Design:** Engineered to prevent unauthorized observation of the combination during dialing.
- **Metal Construction:** Constructed from durable metal materials for long-lasting performance and security.
- **High Security Ratings:** UL Listed Group 1, VdS Class 2, CEN B, DNV 3492, CNPP A2P B/E.
- **Manipulation Resistance:** Tested and verified by Underwriters Laboratories to exceed 20 man-hours.
- **Internal Relock Trigger:** Secures the lock in the event of a punch attack.

3. Included Components

The Sargent & Greenleaf 8550-100 Group 1 Combination Lock typically includes the following components:

- Sargent & Greenleaf 8550-100 Lock Body
- Black and White Dial Assembly (D054/R162)
- Mounting Hardware
- User Manual (this document)

4. Setup & Installation

Proper installation is crucial for the security and reliable operation of your Sargent & Greenleaf 8550-100 lock. It is highly recommended that installation be performed by a qualified locksmith or security professional.

4.1 Mounting Options

The 8550-100 lock offers versatile mounting options and can be installed in various orientations:

- Right-hand mounting
- Left-hand mounting
- Vertical-up mounting
- Vertical-down mounting

Ensure the chosen orientation allows for clear visibility and comfortable operation of the dial.

4.2 Installation Steps (General Guidelines)

1. **Prepare the Mounting Surface:** Ensure the safe door or cabinet where the lock will be installed is clean, flat, and properly prepared according to the safe manufacturer's instructions.
2. **Position the Lock Body:** Carefully position the lock body and secure it using the provided mounting hardware. Ensure it is aligned correctly with the spindle hole and the safe's boltwork.
3. **Install the Spindle:** Insert the spindle through the safe door and into the lock body.
4. **Attach the Dial and Ring:** Mount the black and white dial and ring assembly onto the spindle on the exterior of the safe door. Secure it firmly.
5. **Test Operation:** Before closing the safe door, test the lock's operation with the factory-set or newly programmed combination to ensure smooth engagement and disengagement of the bolt.



This image displays the Sargent & Greenleaf 8550-100 Group 1 Combination Lock, featuring its black and white dial and ring assembly. The robust metal construction is visible, highlighting the lock's durable design for secure applications.

5. Operating Instructions

The Sargent & Greenleaf 8550-100 is a three-wheel combination lock. To open the lock, follow these steps carefully. Always turn the dial slowly and deliberately, ensuring the numbers align precisely with the opening index mark (usually at the 12 o'clock position).

5.1 Opening Procedure

1. **Clear the Dial:** Turn the dial four or more full revolutions to the left (counter-clockwise) to clear any previous attempts and align all wheels.
2. **First Number:** Turn the dial to the right (clockwise), stopping precisely on the first number of your combination the fourth time it aligns with the opening index mark.
3. **Second Number:** Turn the dial to the left (counter-clockwise), stopping precisely on the second number of your combination the third time it aligns with the opening index mark.
4. **Third Number:** Turn the dial to the right (clockwise), stopping precisely on the third number of your combination the second time it aligns with the opening index mark.
5. **Open the Lock:** Continue turning the dial slowly to the left (counter-clockwise) until the bolt retracts or the safe handle can be turned to open the door.

Important: If you pass a number, you must restart the entire dialing sequence from step 1. The Spy-Proof design helps prevent others from observing your combination as you dial.

5.2 Changing the Combination

Changing the combination on a Group 1 mechanical lock typically requires specialized tools and knowledge. It is strongly recommended that combination changes be performed only by a certified locksmith or security technician to ensure the lock's integrity and proper function. Attempting to change the combination without proper training can damage the lock or render it inoperable.

6. Maintenance

The Sargent & Greenleaf 8550-100 Group 1 Combination Lock is designed for long-term reliability with minimal maintenance. Adhering to these guidelines will help ensure its continued performance:

- **Keep Clean:** Periodically wipe the dial and ring with a soft, dry cloth to remove dust and grime. Avoid using abrasive cleaners or solvents.
- **Do Not Lubricate:** Never apply oil, grease, or any other lubricant to the lock mechanism or spindle. These substances can attract dust and debris, leading to malfunction and compromising security.
- **Avoid Force:** Do not force the dial or handle if you encounter resistance. If the lock feels stiff or difficult to operate, refer to the troubleshooting section or contact a professional.
- **Periodic Inspection:** Occasionally inspect the mounting hardware to ensure all screws are tight and the lock is securely fastened.

7. Troubleshooting

If you experience issues with your Sargent & Greenleaf 8550-100 combination lock, consider the following common problems and solutions:

- **Lock Will Not Open:**
  - Ensure you are dialing the combination precisely, aligning each number with the index mark.
  - Verify you are using the correct combination.
  - Confirm you are following the correct dialing sequence (e.g., 4 times right to first number, 3 times left to second, 2 times right to third, then left to open).
  - If the combination was recently changed, ensure the change was performed correctly by a professional.
- **Dial Feels Stiff or Gritty:**
  - Do not lubricate the lock.
  - Check for any foreign objects obstructing the dial or spindle.

- Contact a qualified locksmith for inspection and service.

- **Forgotten Combination:**
  - A forgotten combination for a mechanical lock cannot be recovered by the user.
  - You will need to contact a professional locksmith to manipulate or drill the lock to gain access.

For any issues not resolved by these steps, or for complex repairs, always consult a certified Sargent & Greenleaf technician or a professional locksmith.

8. Specifications

Specification	Detail
Brand	Sargent & Greenleaf
Model Number	8550-100
Lock Type	Combination Lock
Security Group	Group 1
Certifications	UL Listed Group 1, VdS Class 2, CEN B, DNV 3492, CNPP A2P B/E
Theoretical Combinations	1,000,000
Manipulation Resistance	Exceeds 20 man-hours (UL verified)
Material	Metal
Special Feature	Keyless, Spy-Proof, Internal Relock Trigger
Controller Type	Ring
Included Components	Mounting hardware
Color	Black (Dial & Ring)

9. Warranty & Support

Sargent & Greenleaf products are manufactured to high standards and typically come with a manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Sargent & Greenleaf website.

For technical support, service, or to locate a certified locksmith specializing in Sargent & Greenleaf products, please contact Sargent & Greenleaf directly or visit their official store:

Sargent & Greenleaf Official Store: Sargent & Greenleaf on Amazon

10. Product Videos

No official product videos from the seller were found for this item.

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