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› Lawrence LH8016 Extra Heavy Duty Commercial Door Closer Instruction Manual

Lawrence LH8016

Lawrence LH8016 Extra Heavy Duty Commercial Door Closer Instruction Manual

Model: LH8016

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Lawrence LH8016 Extra Heavy Duty Commercial Grade 1 Door Closer. Designed for high-traffic environments, this door closer offers reliable and controlled door closure, enhancing safety and energy efficiency.



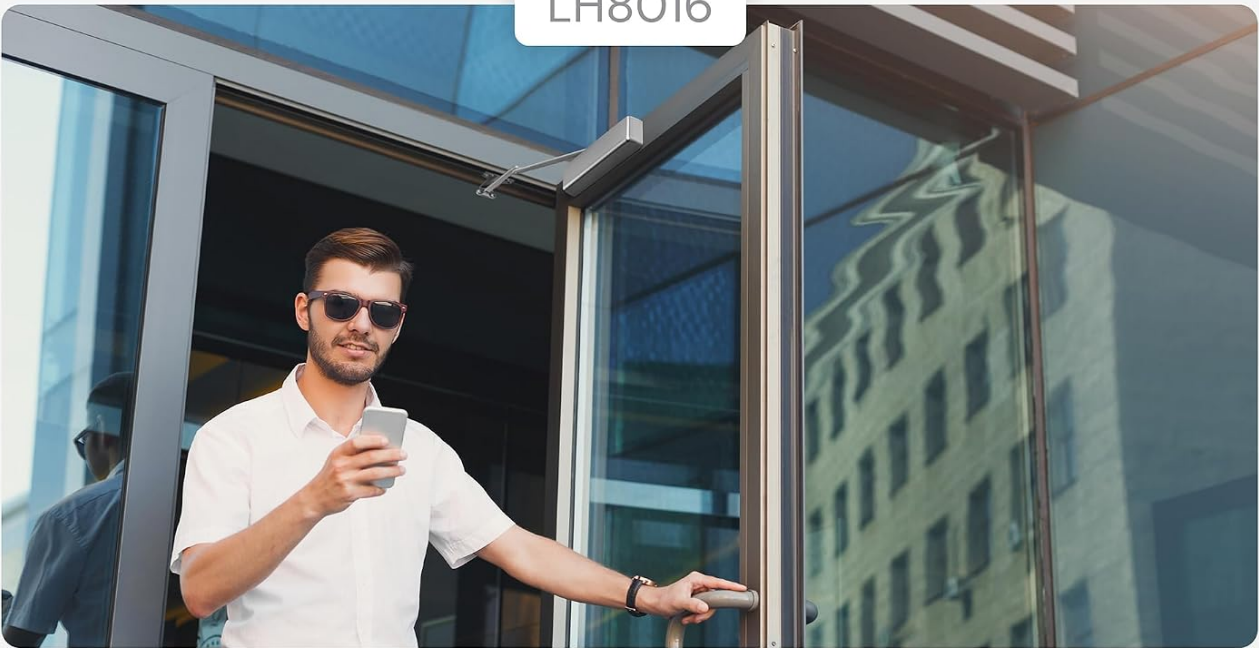
Image 1.1: The Lawrence LH8016 Extra Heavy Duty Commercial Door Closer.

Key Features:

- **Heavy-Duty Door Control:** Engineered for robust performance in commercial settings, managing door movement effectively.
- **Adjustable 6-Speed Delayed-Action:** Allows precise control over closing speed, latching speed, and delayed action for various applications.
- **Flexible Installation:** Compatible with multiple mounting configurations (Regular, Parallel, Top Jamb) for diverse door types and frames.
- **UL & ADA Compliant:** Certified for safety and accessibility, meeting industry standards.
- **Durable Construction:** Built with quality materials for long-lasting performance.

Extra Heavy Duty Grade 1 Door Closer

LH8016



5000
Openings
per Day



Best for
High-Traffic
Doors



250 lbs
Max. Door
Weight



48/60"
Max. Door
Width*



96"
Max. Door
Height

*48" Max. Exterior Door Width / 60" Max. Interior Door Width

Image 1.2: Overview of key features and specifications for the LH8016 door closer, including capacity for 5000 openings per day, 250 lbs max door weight, and maximum door dimensions.

2. SAFETY INFORMATION

Always prioritize safety during installation and adjustment. Read all instructions thoroughly before beginning. Ensure all

fasteners are securely tightened to prevent injury or damage. This product is designed for commercial use and should be installed by qualified personnel if you are unsure about any steps.

Compliance:

- **UL Listed:** This door closer is UL listed for safety, ensuring it meets rigorous safety standards.
- **ADA Compliant:** When properly adjusted, this door closer can meet ADA (Americans with Disabilities Act) compliance requirements, facilitating accessibility.

Safe & Compliant

Protect your doors from liability



UL Listed
for Safety



Grade 1 Certified
2,000,000+ Cycles



ADA
Compliant*



Extended Warranty (30 Years)

*Requires setting it to meet ADA standards

Image 2.1: The door closer is UL Listed for safety and ADA Compliant when set correctly.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package before beginning installation. If any parts are missing or damaged, contact customer support.

- Closer Body

- Closer Arm Assembly
- 1/8" Hex Wrench
- Parallel Arm Bracket
- Mounting Screws (various sizes for different materials)

All Hardware Included

- ☑ Closer Body ☑ Closer Arm ☑ 1/8" Hex Wrench
- ☑ Parallel Arm Bracket ☑ Screws

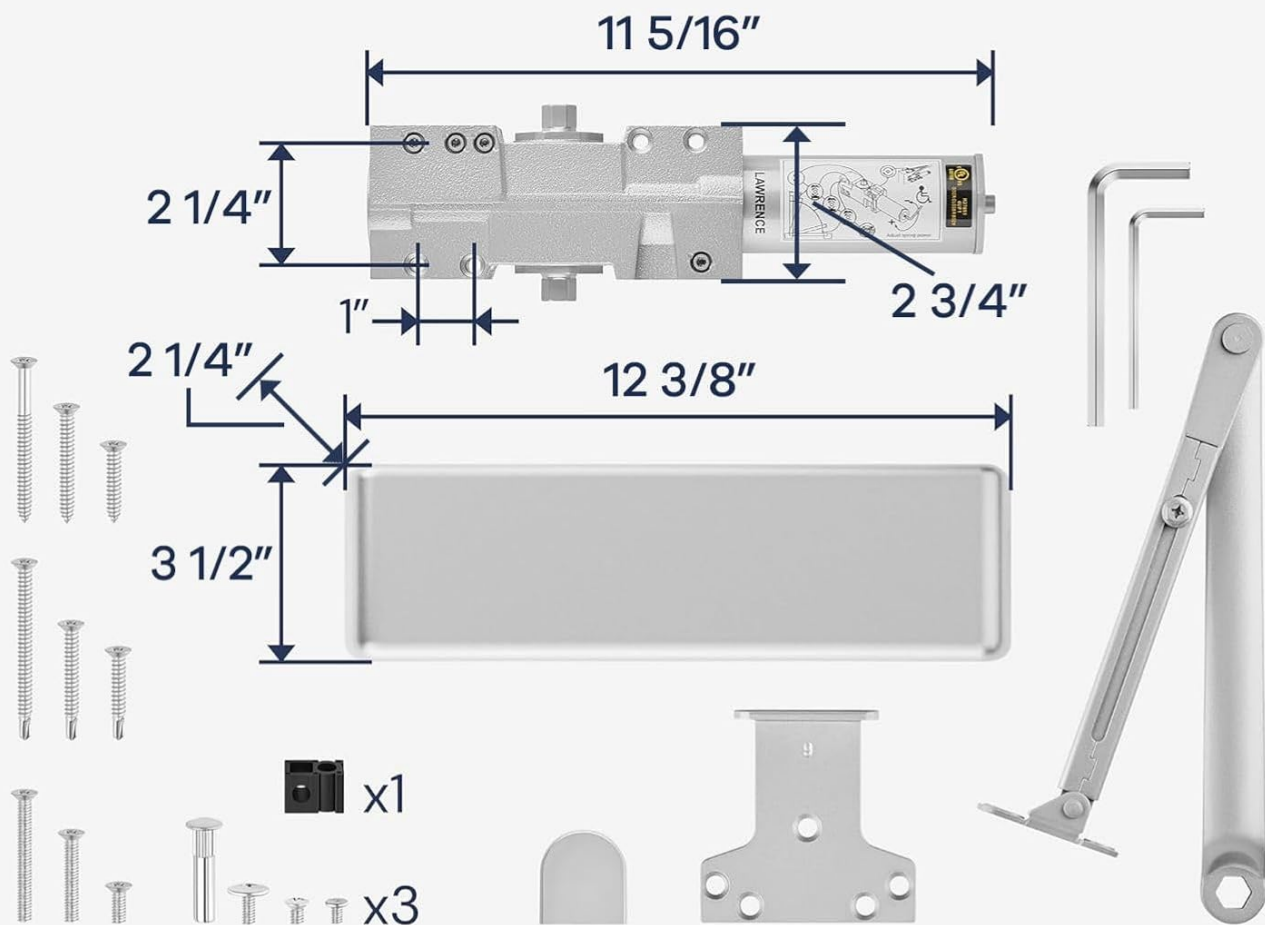


Image 3.1: All hardware included in the package, with dimensions for the closer body and arm.

4. INSTALLATION

The Lawrence LH8016 door closer can be installed in several configurations to suit various door types and opening directions. Always use the provided templates and follow the instructions carefully for optimal performance and safety.

Installation Methods:

- **Regular Arm (Pull Side):** Mounted on the door frame, with the arm extending away from the door.
- **Top Jamb (Push Side):** Mounted on the door frame, with the arm extending towards the door.

- **Parallel Arm (Push Side):** Mounted on the door, with the arm parallel to the door frame.



Extended Warranty (30 Years)

Image 4.1: Visual representation of the three primary installation methods: Regular, Parallel, and Top Jamb.

Interactive Installation Guide:

For a fully interactive, step-by-step 3D installation guide, download the free BILT app on your mobile device. This app provides visual instructions for all installation methods.

Easy to Install with the BILT app

All the installation methods are explained

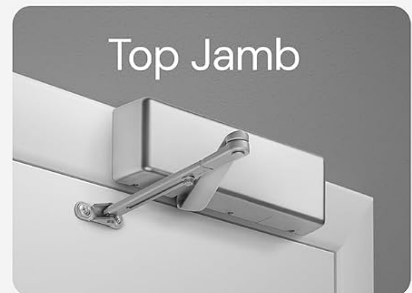
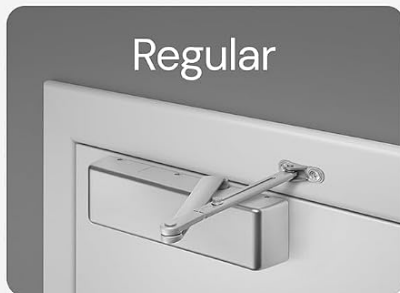
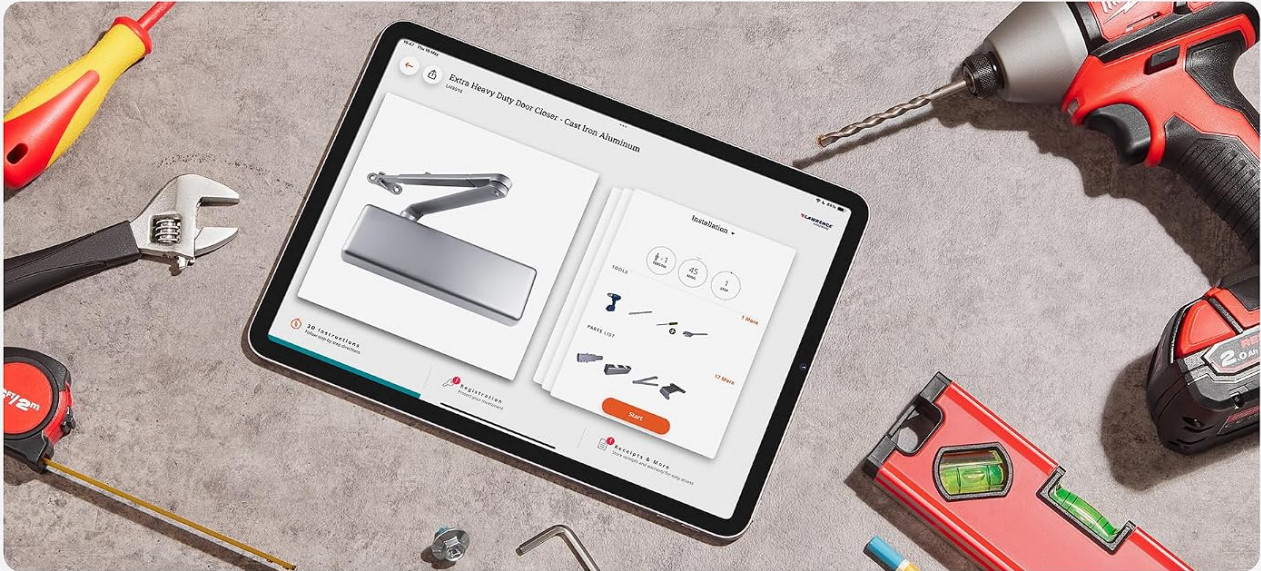


Image 4.2: The BILT app offers interactive 3D instructions for easy installation.

Installation Video:

Your browser does not support the video tag.

Video 4.1: A step-by-step installation guide for the Lawrence Commercial Door Closer, demonstrating the process for various configurations.

5. ADJUSTMENT & OPERATION

The LH8016 door closer features adjustable controls to fine-tune its operation for specific door requirements and user preferences. Adjustments should be made incrementally to achieve the desired closing and latching behavior.

Adjustment Points:

- **Closing Force (1-6 Levels):** Adjusts the power of the door closer to match door weight and size.
- **Adjustable Backcheck:** Provides hydraulic resistance to prevent the door from opening too quickly or forcefully,

protecting the door and frame.

- **Delayed Closing:** Allows the door to remain open for a set period before initiating the closing cycle, useful for high-traffic areas or moving large items.
- **Adjustable Closing & Latching Speeds:** Controls the speed at which the door closes and the final speed at which it latches into the frame.

Adjust Your Door Your Way



Six Levels of
Closing Force



Adjustable Backcheck
+ Delayed Closing



Adjustable Closing
& Latching Speeds



Image 5.1: The door closer offers six levels of closing force, adjustable backcheck, delayed closing, and adjustable closing/latching speeds.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Lawrence LH8016 door closer. Perform the following checks periodically:

- **Visual Inspection:** Check for any signs of wear, damage, or loose components on the closer body, arm, and mounting hardware.
- **Fastener Tightness:** Periodically verify that all mounting screws and adjustment screws are securely tightened. Do not overtighten.

- **Cleaning:** Wipe the closer body and arm with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners.
- **Lubrication:** The internal mechanisms are factory-lubricated and generally do not require additional lubrication. If unusual noises or stiffness occur, consult customer support.

7. TROUBLESHOOTING

If you encounter issues with your door closer, refer to the following common problems and solutions:

- **Door Slams Shut:** The closing speed is set too fast. Adjust the closing speed valve incrementally to slow down the door's final closing motion.
- **Door Does Not Close Completely:** The closing force or latching speed may be too low. Increase the closing force or adjust the latching speed valve to ensure the door fully engages with the frame. Check for obstructions or excessive friction in the door hinges.
- **Door is Difficult to Open:** The closing force may be set too high. Reduce the closing force incrementally. Ensure the door closer is correctly sized for your door.
- **Oil Leakage:** If you observe oil leakage, this indicates a potential internal seal failure. Discontinue use and contact customer support for assistance.
- **Unusual Noises:** Squeaking or grinding noises may indicate loose components or internal issues. Inspect all fasteners and contact customer support if the noise persists.

8. SPECIFICATIONS

Detailed technical specifications for the Lawrence LH8016 Extra Heavy Duty Commercial Door Closer:

Specification	Detail
Model Number	LH8016
Installation Type	Screw-In (Regular, Top Jamb, Parallel Arm)
Material	Cast Iron (Body), Aluminum (Exterior Finish)
Item Weight	12.5 pounds
Product Dimensions (L x W x H)	12.38 x 2.25 x 3.5 inches
Number of Pistons	3
Adjustable Speeds	6-Speed (Closing, Latching, Delayed Action)
Compliance	UL Listed, ADA Compliant (when properly adjusted)
UPC	638455809970

9. WARRANTY & SUPPORT

Lawrence Hardware stands behind the quality of its products. The LH8016 door closer comes with an extended warranty to ensure your peace of mind.

Warranty Information:

This product is covered by a **30-Year Extended Warranty**. For specific terms and conditions, please refer to the warranty



ONLINE CERTIFICATIONS DIRECTORY

GVEV.R27851 Swinging Fire Door Closers

See General Information for Swinging Fire Door Closers

LAWRENCE HARDWARE INC

R27851

For self closing door closers, without hold-open feature, surface mounted type, size 2-6 Model(s) LH8016BCDA*

For self-closing door closers, without hold-open feature, surface mounted type, size 3 Model(s) LH303

For self-closing doors, concealed mounted type Model(s) DH30, LH7003

For self-closing doors, surface mounted type Model(s) LH503, LH503BC*, LH534BC*

Investigated to Standard UL 10C.

For self closing door closers, without hold-open feature, surface mounted type, designed to be used with swinging type fire doors rated up to and including 3h, size 2-6 Model(s) LH5016, LH8016, LH816

For self closing door closers, without hold-open feature, surface mounted type, size 2-6 Model(s) LH5016BC*, LH816BCDA*

* - Designed to be used with swinging type fire doors rated up to and including 3h.

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LAWRENCE
Since 1876

UL Certification

Homebuilders Hardware
1-888-737-6515
sales@homebuildershardware.com



Image 9.1: Lawrence Hardware, established in 1876, offers a 30-year extended warranty on this product.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your Lawrence LH8016 door closer, please contact Homebuilders Hardware:

- **Phone:** 1-888-737-6515
- **Email:** sales@homebuildershardware.com



GVEV.R27851 Swinging Fire Door Closers

[See General Information for Swinging Fire Door Closers](#)

LAWRENCE HARDWARE INC

R27851

For self closing door closers, without hold-open feature, surface mounted type, size 2-6 Model(s) LH8016BCDA*

For self-closing door closers, without hold-open feature, surface mounted type, size 3 Model(s) LH303

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UL Certification

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Image 9.2: UL Certification details for Lawrence Hardware door closers, including contact information for Homebuilders Hardware.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question