

# CHAMBERS BROTHERS

## DOOR & FRAME SPECIALTIES, INC.

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SALEM OR 97302

PHONE: 503-363-9204

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December 15, 2020

**TO:** Johnson Project Solutions  
919 SW Taylor Street Suite 800  
Portland OR 97205

**PROJECT** Historic Bank Block  
PO # 20023  
309 SW 6<sup>th</sup> Ave  
Portland OR 97204

### LIMITED MATERIAL WARRANTY

Chambers Brothers Door & Frame Specialties Inc. hereby warrants to Owner of above-named project the materials supplied by Chambers Brothers for a one year period.

The following standard manufacture's Warranty is as follows.

- HM Doors and Frames-Manufactures Warranty is 1 year of original installation
- Wood Doors-Manufactures Warranty is 5 years of original installation
- Timely Frames-Manufactures Warranty is 1 year of original installation
- LCN Door Closer-Manufactures Warranty is 30 years of original installation
- Schlage Locksets-Manufactures Warranty is 3 years of original installation
- Falcon Lockset-Manufactures Warranty is 10 tears of original installation

Warranty does not apply to any damage caused by accident, misuse, and or abuse, or modified, altered, and / or repaired by anyone other than Contractor.

Substantial Completion date 12/01/2020



Teresa Chambers  
Secretary/Treasurer  
Chambers Brothers Door & Frame Specialties Inc.

JOHNSON  
PROJECT  
SOLUTIONS INC

Historic US Bank  
PO #20023

JOHNSON  
PROJECT  
SOLUTIONS INC

Historic US Bank  
PO #20023

WARRANTIES FOR:  
DOORS AND FRAMES  
FINISH HARDWARE

CURRIES

ASSA ABLOY

## WARRANTY

### WARRANTY

We warrant our products against defects in workmanship and materials for a period of one year, as follows:

- (a) There are no warranties, express or implied, which extend beyond those described herein, and there is no implied warranty or merchantability.
- (b) If our products should prove to be defective, our only responsibility will be to either repair or replace the defective item(s), and we will have no liability or obligation for any damages of any kind beyond such repair or replacement.
- (c) Our obligation to repair or replace any defective item terminates one year after the product has been delivered by us to the customer, and also terminates at any time anyone other than our company performs any work of repair, service, or replacement on the item without our prior written consent.
- (d) We assume no liability to pay any costs of labor or material for repair, service or replacement of any CURRIES product which has been incurred by anyone other than us.
- (e) CURRIES is committed to providing the highest quality products and services to its customers as possible. Errors can occur on occasion. We request our distributors to act as "final" quality control on our hollow metal. A simple double check procedure by an assembly person prior to modifying a door or welding a frame should be performed on every unit of product that leaves a distributor's place of business. This simple action can prevent a considerable amount of potential field problems.

CURRIES Division of ASSA ABLOY Door Group, LLC

**LIMITED FIVE YEAR WARRANTY**  
for Wood Doors  
**PACIFIC ARCHITECTURAL WOOD PRODUCTS, INC. ("PACIFIC")**

PACIFIC warrants all doors sold under this warranty (except those doors expressly excluded from this warranty) for FIVE (5) YEARS (from date of shipment) to be free of defects which would render said doors unserviceable or unfit for their ordinary recommended use. This warranty will not be effective unless signed by PACIFIC within 90 days of receipt of final shipment.

This warranty extends only to the first retail purchaser of said door(s) and may not be enforced by any person to whom the said door(s) are transferred.

**PHOTOGRAPHING AND WARP TOLERANCES**

- 1) Stile, rail and core show through (photographing) on flush doors shall not be considered a defect unless the faces of the door vary from a true plane in excess of 1/100 inches in any three-inch span.
- 2) Warp shall not be considered a defect unless it exceeds 1/4 inch in the plane of the door itself. The following warp allowances are for 1-3/4 inch or thicker doors. For doors wider than 3'6" or higher than 7' in height, the warp shall not exceed 1/4" in any 3'6" by 7' section. For doors up to and including 3'6" wide and 7' in height, the warp shall not exceed 1/4". For doors which are 1-1/8 inch or 1-3/8 inch thick, the warp shall not exceed 1/4" other than excluded below. "Warp" is any distortion in the door itself and does not refer to the relationship of the door to the frame or jamb in which it is hung. The term "warp" shall include bow, cup and twist. When measuring the amount of warp present in a door, the following method shall be used: bow, cup, and twist shall be measured by placing a straight-edge, taut wire or string on the suspected concave face of the door at any angle (i.e., horizontally, vertically, diagonally), with the door in its installed position. The measurement of bow, cup and twist shall be made at the point of maximum distance between the bottom of the straight-edge, taut wire or string and the face of the door.

**MATTERS EXCLUDED FROM WARRANTY**

- 1) Unsatisfactory service or appearance caused by failure to follow recommended "HANDLING, JOB FINISHING AND INSTALLATION INSTRUCTIONS", attached hereto..
- 2) The appearance of field finished doors.
- 3) Natural variations in the color or texture of wood are not to be considered as defects.
- 4) Claims or damage resulting from abuse, neglect, improper installation, lack of appropriate maintenance and normal wear and tear expected with implied, intended use.

**DOORS EXCLUDED FROM WARRANTY**

- 1) The warranty against warp does not apply to the following:
  - a) All 1-1/8 inch and 1-3/8 inch thick doors which are wider than 3'0" or higher than 7'0".
  - b) All 1-3/4 inch thick doors wider than 3'6" and higher than 8'0".
  - c) Doors with face veneers of different species.
  - d) Doors that are improperly hung or do not swing freely.
- 2) This warranty does not cover:
  - a) Flush doors with cutout areas exceeding 40% of the area of the face of the door.
  - b) Flush doors with cutouts for lights and/or louvers, any edge of which is nearer than five (5) inches to any edge of the door (six (6) inches on fire retardant doors).
  - c) Flush doors with cutouts exceeding one-half of the height of the door.
  - d) All doors having less than five (5) inches between cutouts for lights (flush doors), unit locks, closures and/or hardware cutouts (six (6) inches on fire retardant doors).
  - e) Any doors with internal vertical rod preps made to accommodate concealed vertical rod exit devices.
- 3) Pacific manufactures doors for interior use only. No warranty is given on doors receiving exterior use.

If warranted doors are found to contain defects as stated above, Pacific may, at its option: (1) repair the door(s) without charge; (2) replace the door(s) without charge, in the same state of fitting and/or finishing as was originally supplied; or (3) refund the price of said door(s). The procedure, which the purchaser shall follow in order to obtain performance of any warranty obligation, is as follows:

- 1) If, at the time a door shipment is received, said door(s) is (are) found to have a defect(s) which can be reasonably discovered by inspection of each door, the purchaser must, prior to hanging or fitting and within 30 days, send a written notice of said discovered defect(s) to Pacific.
- 2) If a defect is discovered or occurs after a door is fitted and hung, written notice of said defect(s) must be sent to Pacific within a reasonable amount of time from the date of the discovery. Pacific will not be liable for any door(s) repaired or replaced without its prior written consent.

Action on any claim for warp or photographing defects may be deferred at the option of Pacific for a period not to exceed twelve (12) months from the date of the claim. If a door had been installed prior to making such a claim, the door must remain hung in the original installation during the period of deferment to permit conditioning to humidity and temperature. PACIFIC'S SOLE RESPONSIBILITY UNDER THIS WARRANTY IS TO REPAIR OR REPLACE DOORS OR TO REFUND THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL PACIFIC BE LIABLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES, OR FOR ANY AMOUNT IN EXCESS OF THE PRICE OF THE DOORS INVOLVED, WHETHER THE CLAIM IS BASED ON BREACH OF WARRANTY OR NEGLIGENCE OR ANY OTHER THEORY.



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## LIMITED WARRANTY

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S.D.S. Industries, Inc., a California Corporation DBA Timely Industries (hereafter called Timely) warrants to the original consumer purchaser that its Timely Prefinished Steel Door Frame will be free from defects in materials and workmanship for a period of one year from the date of purchase.

This warranty applies to Galvanized Frames that:

- 1) have been installed in accordance with the recommended written installation instructions of Timely Industries and established building practices
- 2) have been accorded treatment which is considered good practice in the Building Industry regarding storage, handling and maintenance.
- 3) have been subjected only to normal use. Dents, paint scrapes and other issues caused by normal building use cannot be controlled by the manufacturer and are not covered as warranted defects. Warranty does not apply to any damage or failure as a result of a catastrophic event.
- 4) have been installed with appropriate doors and hardware using adequate reinforcement and anchors recommended by manufacturers of those products
- 5) have been installed in exterior locations and are adequately protected from moisture accumulation by an overhang or adequate flashing.
- 6) have been installed in interior locations within 5 miles of salt water, brackish water or in areas that may have salt air conditions.

ANY AND ALL IMPLIED WARRANTIES APPLICABLE HERETO ARE LIMITED TO ONE YEAR FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warrant lasts, so the above time limitation may not apply to you.

In the event the original consumer purchaser of any Timely Industries Prefinished Steel Door Frame believes that the frame or any parts thereof covered by this warranty is defective, a letter outlining the alleged defect should be sent postage prepaid to the following address:

TIMELY INDUSTRIES, 10241 NORRIS AVE, PACOIMA, CA 91331

Any Timely Prefinished Steel Door Frame or any parts thereof covered by this warranty which, upon inspection by an authorized Representative of Timely Industries are found by said Representative to be defective, will, at the option of Timely Industries, either repair, replace or refund the purchase price of the frame or component part. Liability is limited to repair, replacement or refund and does not include labor, installation cost, or indirect or consequential damages of any nature. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion, set forth in this paragraph, may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**TIMELY**  
**PREFINISHED STEEL DOOR FRAMES**  
A DIVISION OF S.D.S. INDUSTRIES, INC.



# LCN Limited Warranty

Subject to the terms and conditions of this limited warranty, Schlage Lock Company, LLC (the "Company") extends a limited warranty against defects in material and workmanship for its LCN branded product(s) identified in the Product Table below ("Products") as installed in the original location.

This limited warranty applies to Products purchased on or after **March 3, 2014**.

## Product Table

4000 Series	30 Years
4050 Series	25 Years
1460 Series	30 Years
1450 Series	25 Years
1260 Series	20 Years
1250 Series	15 Years
Concealed, High Security (except 2210DPS)	15 Years
Automatic Operators; SE, ME, HSA, SEH Series; SEM Magnets; 2210 DPS (includes both electronic and mechanical components)	2 Years

**Term:** The limited warranty period for Products is as stated in the Product Table above. The "Commencement Date" for a limited warranty period shall be the date of Company's delivery to the original purchaser of the Products. Proof of Product purchase may be required by Company to confirm the Commencement Date.

**What Company will do:** Company may require proof of Product purchase in order to provide coverage under this limited warranty. As Company's only responsibility and user's only remedy under this limited warranty, Company will furnish a replacement Product upon receipt and confirmation by Company, in its sole opinion, that the Product has, in fact, failed due to a manufacturing defect under normal use and maintenance. In the event a replacement Product cannot be provided, Company will either provide a suitable replacement Product or a refund in the amount of the original purchase price.

**What is not covered:** The following costs, expenses, and damages are not covered by the provisions of this limited warranty: (i) labor costs including, but not limited to, such costs as removal and installation of Product; (ii) shipping and freight expenses required to return Product to Company; (iii) failures, defects, or damage caused by any third party product or service; (iv) any other incidental, consequential, indirect, special and/or punitive damages, whether based on contract, warranty, tort (including, but not limited to, strict liability or negligence), patent infringement, or otherwise, even if advised of the possibility of such damages.

The provisions of this limited warranty do not apply to Product that is: (i) not the proper size for the application for which the Product is used; (ii) not installed in accordance with Company's published Product installation instructions; (iii) installed with improper parts and/or incorrect parts (NOTE: It is recommended that Product be installed with LCN fasteners provided with Product); (iv) improperly stored, maintained, or operated; (v) modified, repaired, or altered in Company's sole opinion, in any manner, without the express written consent of Company; (vi) used for purposes for which the Product is not designed or intended; (vii) subjected to misuse, abuse, negligence, or accident; or (viii) subjected to improper temperature, humidity, or other environmental conditions.

Note: 900/7900 Series compressors are not manufactured by Company and are excluded from coverage under this limited warranty. For more information, parts, or repairs concerning the compressors, contact the compressor manufacturer directly at (269) 926-6171.

**Additional Terms:** This limited warranty is in lieu of all other warranties, express or implied. Company does not authorize any person to create for it any obligation or liability in connection with Product. Company's maximum liability hereunder is limited to the original purchase price of the Product. No action arising out any claimed breach of this limited warranty by Company may be brought by the user more than one (1) year after the cause of action has arisen.

**How local law applies:** This limited warranty gives you specific legal rights, and you may also have other rights as permitted by law. Some local laws do not allow limitations on how long an implied warranty lasts or the exclusions or limitation of incidental or consequential damages so the limitations or exclusions provided herein may not apply to you.

**Program and Warranty Claims:** If Product is to be claimed to be defective under this limited warranty, contact Customer Care at (877) 671-7011.

Note: Please contact LCN Customer Care prior to returning any product back to the factory. You will need prior authorization and an RMA for your return.

## Product Warranties: Commercial Applications

### 3 Year Limited Mechanical Warranty and 1-Year Limited Electromechanical Warranty

Schlage Lock Company, LLC (the "Company") extends a three year limited mechanical warranty and one year limited electromechanical warranty to the original user of the products manufactured by the Company (the "Products") against defects in material and workmanship from the date of purchase. Certain Products contain restrictions to this limited warranty, additional warranties, or different warranty periods. Please see below for specific Product warranty information.

**What The Company Will Do:** Upon return of the defective Product to the Company or its authorized distributor for inspection, free and clear of all liens and encumbrances and accompanied by the statement of defects of proof of purchase, the Company will replace the Product.

**Original User:** These warranties only apply to the Original User of Products. These warranties are not transferable.

**What Is Not Covered:** The following costs, expenses and damages are not covered by the provisions of these limited warranties: (i) labor costs including, but not limited to, such costs for the removal and reinstallation of Products; (ii) shipping and freight expenses required to return the Products to the Company; or (iii) any other incidental, consequential, indirect, special and/or punitive damages, whether based on contract, warranty, tort (including, but not limited to strict liability or negligence), patent infringement, or otherwise, even if advised of the possibility of such damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

**The provisions of these limited warranties do not apply to Products:** (i) used for purposes for which they are not designed or intended; (ii) which have been subjected to alteration, misuse, abuse, negligence, or accident; (iii) which have been improperly stored, installed, maintained, repaired or operated; (iv) which have been used in violation of written instructions provided by Schlage; (v) which have been subjected to improper temperature, humidity, or other environmental conditions (i.e., corrosion); or (vi) which, based on the Company's examination, do not disclose to the Company's satisfaction non-conformance to the warranties. Additionally, the Company will not warrant ANSI A156.2 Grade 2 lever Product installed in educational facilities and student housing.

**Additional Terms:** The Company does not authorize any person to create for it any obligation or liability in connection with the Products. **The Company's maximum liability under these warranties is limited to the purchase price of the Product.** No action arising out of any claimed breach of these warranties by the Company may be brought by the Original User more than one (1) year after the cause of action has arisen.

**How State Law Applies:** These warranties give you specific legal rights, and you may also have other rights which vary from state to state.

### SPECIFIC PRODUCT WARRANTY RESTRICTIONS/ADDITIONAL WARRANTIES:

#### ND-Series Levers 10-Year Mechanical Warranty

The limited warranty is for a period of seven (7) years for products shipped prior to January 2012, 10-year for products shipped after January 2012.

#### Small Format Interchangeable Core (SFIC) Warranty

The limited warranty also applies to Schlage locks and housings when used with another manufacturer's cores, or to Schlage cores (i.e., SFIC) when used in another manufacturer's locks and housings. *The use of unauthorized cylinder cams or other components with the Products shall void these warranties.*

#### Everest 29, Everest 29 Primus, Everest 29 Primus XP, Everest, Everest Primus, and Everest Primus XP Limited Lifetime Key Breakage Warranty

A limited lifetime warranty is provided to the original user against breakage and is subject to the restrictions of these limited warranties.

#### Portable Security Limited Lifetime Warranty

A limited lifetime warranty is provided to the original user and is subject to the restrictions of these limited warranties.

**Exclusions:** Oil Rubbed Bronze finish (613) is designed to improve over time and change in appearance, creating a living finish through daily use and thus, finish discoloration is not applicable to the above warranty.

## Product Warranties: Residential Applications

### Lifetime Limited Mechanical & Finish Warranty and 1-Year Limited Electronics Warranty

Subject to the terms and conditions of this warranty, Schlage extends a lifetime limited mechanical and finish warranty and a one-year limited electronics warranty to the original consumer user ("Original User") of our Schlage brand product ("Product") against defects in material and workmanship, as long as the Original User occupies the residential premises upon which the Product was originally installed.

**What Schlage will do:** Upon return of the defective Product to Schlage, Schlage's sole obligation, at its option, is to either repair or replace the Product, or refund the original purchase price in exchange for the Product. **Original User:** This warranty only applies to the Original User of Products. This warranty is not transferable.

**What is not covered:** The following costs, expenses and damages are not covered by the provisions of this limited Warranty: (i) labor costs including, but not limited to, such costs as the removal and reinstallation of Product; (ii) shipping and freight expenses required to return Product to Schlage; and (iii) any other incidental, consequential, indirect, special and/or punitive damages, whether based on contract, warranty, tort (including, but not limited to, strict liability or negligence), patent infringement, or otherwise, even if advised of the possibility of such damages. Some local laws do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

**The provisions of this warranty do not apply to Products:** (i) used in commercial applications; (ii) used in common area applications; (iii) used for purposes for which they are not designed or intended; (iv) which have been subjected to alteration, abuse, misuse, negligence or accident; (v) which have been improperly stored, installed, maintained or operated; (vi) which have been used in violation of written instructions provided by Schlage; (vii) which have been subjected to improper temperature, humidity or other environmental conditions; or (viii) which, based on Schlage's examination, do not disclose to Schlage's satisfaction non-conformance to the warranty. Additionally, this warranty DOES NOT COVER scratches, abrasions, or deterioration due to the use of paints, solvents or other chemicals.

**Exclusions:** Oil Rubbed Bronze finish (613) is designed to improve over time and change in appearance, creating a living finish through daily use and thus, finish discoloration is not applicable to the above warranty. **Additional terms:** Schlage does not authorize any person to create for it any obligation or liability in connection with the Product. Schlage's maximum liability here under is limited to the original purchase price of the Product. No action arising out of any claimed breach of this warranty by Schlage may be brought by the Original User more than one (1) year after the cause of action has arisen.

**How local law applies:** This warranty gives you specific legal rights, and you may also have other rights as otherwise permitted by law. If this Product is considered a consumer product, please be advised that some local laws do not allow limitations on incidental or consequential damages or how long an implied warranty lasts, so that the above limitations may not fully apply. Refer to your local laws for your specific rights under this warranty.

# WARRANTY

# FALCON

Falcon  
Monarch  
Duo-D-Matic

## Warranty

Falcon Door Hardware warrants its mechanical offering of locks, exit devices and door controls products manufactured to be free from defects in materials and workmanship for a period of **TEN (10) YEARS** from the date of manufacture with the exception of the products detailed in the table below. The terms and conditions of this new warranty apply to Falcon Door Hardware shipments made on or after November 1<sup>st</sup>, 2008.

This limited warranty does not cover products that (i) are not the proper size for the application; (ii) are not installed in accordance with Falcon's published installation instructions; (iii) are installed with improper or incorrect parts; (iv) have been modified, repaired, or altered in any way without the express written consent of Falcon; (v) are used for purposes which they are not designed or intended; (vi) are subjected to misuse, abuse, negligence, or accident; or (vii) are grade 2 products used in educational facilities. The following costs and expenses are not covered by the provisions of this limited warranty; (i) labor costs for the removal and reinstallation of products; (ii) shipping and freight expenses required to return products to Falcon; (iii) normal maintenance; and (iv) economic losses. **THE PREVISIONS OF THIS WARRANTY DO NOT APPLY TO FINISHES.**

Falcon will replace the products that are found to be defective, provided said products are returned to Falcon within fifteen (15) days of defect.

FALCON SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES FOR ANY CLAIM WHETHER BASED ON CONTRACT; WARRANTY, TORT (INCLUDING, BUT NOT LIMITED TO, STRICT LIABILITY OR NEGLIGENCE), PATENT INFRINGEMENT, OR OTHERWISE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This limited warranty replaces all other warranties, expressed or implied, and excludes any warranties of fitness for a particular purpose or merchantability. No agent, representative, dealer, or employee of Falcon has the authority to increase or alter the obligations of this limited warranty.

Note: Should the Product be considered a "consumer product" as may be covered by the Magnuson-Moss Federal Warranty Act, please be advised that: (1) Some states do not allow limitations on incidental or consequential damages or how long an implied warranty lasts, so that the above limitations may not fully apply; and (2) This warranty gives specific legal rights and a user may have rights which may vary from state to state.

PRODUCT EXCEPTION	WARRANTY
OHC100A CONCEALED CLOSERS	5 YEARS
8200 AUTOMATIC OPERATOR	2 YEARS
ELECTRONICS/ELECTRIFIED	1 YEAR

JOHNSON  
PROJECT  
SOLUTIONS INC

Historic US Bank  
PO #20023

OPERATIONS AND  
MAINTANENCE  
FOR:  
FINISH HARDWARE



# 4040XP/4041 DA

# LCN®

28102

## 120° Template Pull Side

## Installation Instructions

**1** Locate proper template, tear along dotted line, peel template and apply. Center punch all hole locations. For self reaming tapping screws (SRT) drill 1/8" pilot holes. Remove template before installing closer.

DOOR WIDTH	DOOR WEIGHT	SET TO:
34"	6.5 lb/1	2
36"	30"	3
48"	36"	4
64"	42"	5
80"	48"	6

LCN-FAST™ Power Adjust for Spring Power Adjustment

**(Fig. 1)**  
4040XP EN 1-5

**2** Determine door width, adjust spring power to match chart.

**3** Secure closer and forearm with fasteners provided.

**4** **1** Mount arm on shaft at 100° to closer, as shown. **2** Attach arm to closer, insert rod into arm tube. **3** Pre-load arm to 90°. Fasten with screw provided.

**5** If necessary, adjust closer.

**6** Snap on cover.

**7** Dimensional Information

**8** Optional Hold-open arm. Identify direction of hold-open nut according to mounting.

**9** Optional 4041 Delay

**10** To adjust Optional Hold-open arm: Loosen hold open nut. Open door to desired position and tighten hold open nut securely.

**4040XP Instructions et gabarit autocollant de 120° pour une installation sur le côté à tirer.**

**1** Repérez le gabarit approprié, détachez-le, retirez la pellicule et appliquez. Marquez le centre de tous les trous. Percez des trous de guidage de 1/8" pour les vis tarauds. Retirez le gabarit avant de poser le ferme-porte.

**2** Mesurez la largeur de la porte. Réglez le ressort selon les indications du tableau.

**3** Fixez le ferme-porte et l'avant-bras avec les attaches fournies.

**4** **1** Montez le bras sur la tige à 100° du du ferme-porte, comme sur l'illustration. **2** Rattachez le bras au ferme-porte, insérez la tige dans le tube du bras. **3** Préchargez le bras à 90°. Fixez avec la vis fournie.

**5** Au besoin, réglez

**6** Fixez la couverture.

**7** Dimensions

**8** Bras de retenue optionnelle. Identifiez la direction du boulon de retenue selon l'ouverture de la porte.

**9** Bras de retenue (90°-120°)

**10** 4041 Action retardée optionnelle

**11** Pour régler le bras de retenue optionnelle, desserrez la vis de retenue. Ouvrez la porte à la position désirée et resserrez la vis.

**12** Pour régler le bras de retenue optionnelle, desserrez la vis de retenue. Ouvrez la porte à la position désirée et resserrez la vis.

**13** Pour régler le bras de retenue optionnelle, desserrez la vis de retenue. Ouvrez la porte à la position désirée et resserrez la vis.

**4040XP Instrucciones Pela y Pega para plantilla 120° con montaje del lado de empuje.**

**1** Localiza la plantilla apropiada, rompe a lo largo de la línea de puntos, pela la plantilla y aplícala. Marca el centro de cada agujero. Barrena agujeros piloto de 1/8" para los tornillos autorroscantes. Quita la plantilla antes de instalar el cerrador.

**2** Determina la anchura de la puerta. Ajusta la fuerza del resorte según lo indicado en el gráfico.

**3** Sujeta el cerrador y el antebrazo con los sujetadores ya incluidos.

**4** **1** Monte el brazo en el eje a 100° del cerrador, tal como se muestra. **2** Coloca el brazo al cerrador, inserta la varilla en el tubo del brazo. **3** Preama el brazo a 90°. Sujeta con el tornillo ya incluido.

**5** Ajusta si es necesario.

**6** Encaje la tapa.

**7** Datos dimensionales.

**8** Brazo de retención opcional. Identifica la dirección de la tuerca de retención según el montaje.

**9** Brazo de retención (90°-120°)

**10** 4041 Acción retardada opcional.

**11** Para ajustar el brazo de retención opcional: Afloja la tuerca de retención. Abre la puerta a la posición deseada y aprieta bien la tuerca de retención.

**12** Para ajustar el brazo de retención opcional: Afloja la tuerca de retención. Abre la puerta a la posición deseada y aprieta bien la tuerca de retención.

**13** Para ajustar el brazo de retención opcional: Afloja la tuerca de retención. Abre la puerta a la posición deseada y aprieta bien la tuerca de retención.

# 180° Template P.A. Mounting

## Installation Instructions

**1** Locate proper template. Peel template and apply so red arrows align. Center punch all hole locations. For self reaming tapping screws (SRT) drill 1/8" pilot holes. Remove template before installing closer.

For 4041 Delay 90° Mounting provides additional delay time.

Reduce installation torque if using SRT screws in wood. The use of wood screws is recommended for wood.

**(Fig. 66)**  
4040XP EN 1-5

**2** Determine door width, adjust spring power to match chart.

DOOR WIDTH	SET TO:
34"	8.5 lb-ft
36"	30"
48"	36"
64"	42"
80"	48"

**CAUTION**  
BEFORE INSTALLATION OF REGULATOR MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY FOR QUESTIONS, CALL LCN AT 877-871-7011

LCN, FAST™ Power Adjust for Spring Power Adjustment

**3** Screw in valve on back of closer. Using screws provided, secure closer to door.

**4** ① Pre-load closer to 30°, as shown.

② Attach arm to closer, with provided fastener.

Note: Hold open arms must not be installed on fire rated doors.

**5** Attach P.A. shoe to frame and fasten forearm to shoe with fasteners provided. Pre-load arm and tighten screw.

**6** If necessary, adjust closer

NOTE: A "Normal" closing time from 90° open position is 5 to 7 seconds, evenly divided between main speed and latch speed.

**CAUTION**  
BEFORE OPERATING VALVES FOR ADJUSTMENT, MAKE SURE OF CLOSER, PERSONAL, PROPERTY OR PROPERTY DAMAGE. FOLLOW ALL INSTRUCTIONS CAREFULLY.

NO MAINTENANCE REQUIRED

**7** Snap on cover.

Note: Use screws for metal cover only.

**8** Dimensional Information for standard and delay action mounting.

Left hand application  
Application main gauche  
Aplicación para mano izquierda.

Right hand application  
Application main droite  
Aplicación para mano derecha.

**4040XP Instructions et gabarit autocollant de 180° pour une installation "bras parallèle".**

**1** Repérez le gabarit approprié. Retirez la pellicule, alignez les flèches rouges et appliquez la planilla. Marquez le centre de tous les trous. Percez des trous de guidage de 1/8" pour les vis tarauds. Retirez le gabarit avant de poser le ferme-porte.

Pour le 4041 l'installation de la Retenue 90° permet un délai de retenue additionnel.

Réduisez le couple de serrage à l'installation des vis tarauds dans le bois. Les vis à bois sont recommandées pour le bois.

**2** Mesurez la largeur de la porte. Réglez le ressort selon les indications du tableau.

Réglage de la force LCN, FAST™ pour régler la force du ressort

**3** Visez la soupape derrière le ferme-porte. Fixez le ferme-porte sur la porte avec les attaches fournies.

**4** ① Préchargez le ferme-porte à 30°, comme sur l'illustration.

② Rattachez le bras au ferme-porte avec l'attache fournie.

**5** Rattachez le sabot du b. p. au cadre et fixez l'avant-bras sur le sabot avec les attaches fournies. Préchargez le bras et serrez la vis.

① Bras de retenue optionnelle. Identifiez la direction du bouton de retenue selon l'ouverture de la porte.

**6** Au besoin, réglez

① - résistance d'ouverture  
② - vitesse de fermeture  
③ - vitesse de verrouillage

**7** Fixez le couvercle.

**8** Dimensions

**II** 4041 Action retardée optionnelle

① - résistance d'ouverture  
② - vitesse de fermeture  
③ - vitesse de verrouillage  
④ - vitesse de retenue

**III** Pour régler le bras de retenue optionnelle, desserrez la vis de retenue. Ouvrez la porte à la position désirée et resserrez la vis.

**ADANGER**  
Une installation ou un réglage inadéquats peuvent entraîner des blessures ou des dommages. Suivez toutes les instructions avec soin. Pour plus de renseignements, contactez le 877-871-7011

**ADANGER**  
Una instalación o un ajuste inadecuados pueden resultar en daños personales o materiales. Siguiendo todas las instrucciones con cuidado. Para más informaciónes, llámanos al 877-871-7011

**4040XP Instrucciones Pela y Pega para plantilla 180° con montaje del brazo paralelo.**

**1** Localiza la plantilla apropiada. Quitar la película, alinear las flechas rojas y aplicar la plantilla. Marca el centro de cada agujero. Barrena agujeros piloto de 1/8" para los tornillos autorroscantes. Quitla la plantilla antes de instalar el cerrador.

Para la Retención del 4041, un montaje de 90° dará un tiempo de retención adicional. Si se usan tornillos de rosca cortante en la madera, se deberá reducir el par de apriado. Con la madera, se recomienda utilizar tornillos para madera.

**2** Determina la anchura de la puerta. Ajusta la fuerza del resorte según lo indicado en el gráfico LCN, FAST™ cuadrante de ajuste para ajustar la potencia del resorte

**3** Atornilla la válvula al revés del cerrador. Sujeta el cerrador a la puerta con los tornillos ya incluidos.

**4** ① Precarga el cerrador a 30°, tal como se muestra.

② Coloca el brazo al cerrador con el sujetador ya incluido.

**5** Coloca el pie del brazo paralelo a la armazón y coloca el antebrazo con los sujetadores ya incluidos. Preama el brazo y aprieta el tornillo.

**6** Ajusta si es necesario.

① - resistencia de apertura  
② - velocidad principal  
③ - velocidad de seguro

**7** Enceja la tapa.

**8** Datos dimensionales para montaje estándar y de acción retardada.

**II** 4041 Acción retardada opcional.

① - resistencia de apertura  
② - velocidad principal  
③ - velocidad de seguro  
④ - velocidad de retardo

**III** Para ajustar el brazo de retención opcional. Afloja la tuerca de retención. Abre la puerta a la posición deseada y aprieta bien la tuerca de retención.

**ADVERTENCIA**  
UNA INSTALACIÓN O UN AJUSTE INADECUADOS PUEDEN RESULTAR EN DAÑOS PERSONALES O MATERIALES. SIGUIENDO TODAS LAS INSTRUCCIONES. PARA MÁS INFORMACIONES, LLÁMANO A LCN AL 877-871-7011

**ADVERTENCIA**  
LA APPLICACIÓN O UN AJUSTE INADECUADOS PUEDEN RESULTAR EN DAÑOS PERSONALES O MATERIALES. SIGUIENDO TODAS LAS INSTRUCCIONES. PARA MÁS INFORMACIONES, LLÁMANO A LCN AL 877-871-7011



# 1450 & 1450DA Series

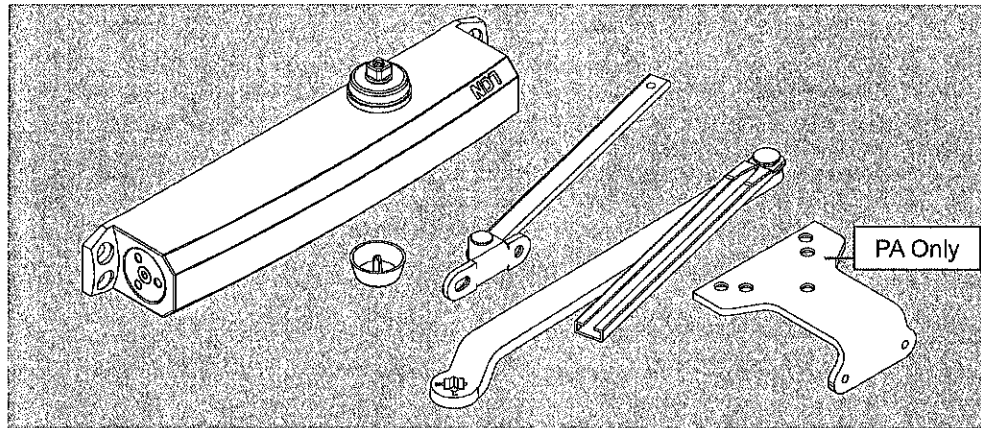
# LCN®

71928

Pull Mount, Jamb Mount, and PA Mount

Installation Instructions

## PARTS



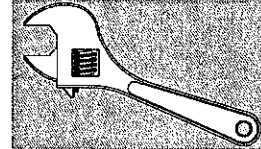
① Screw pack information is on page 5.

## TOOLS

5/32" or 4mm Hex Wrench



Adjustable wrench



1/8" Drill Bit



Phillips Head Screwdriver



① Hold Open wrench info on page 5.

## ⚠ CAUTION ⚠

Improper installation or regulation may result in personal injury or property damage.

Follow all instructions carefully.

For questions, call LCN at 877 - 671 - 7011

Hold open arms must not be installed on fire rated doors.

Opening the regulation valves too far may result in the closer leaking oil! This may result in closer and property damage, and personal injury.

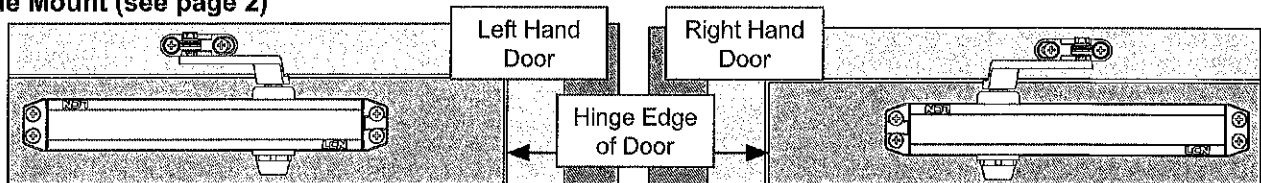
**FOLLOW ALL INSTRUCTIONS CAREFULLY.**

**DO NOT USE THE CLOSER AS A DOOR STOP!**

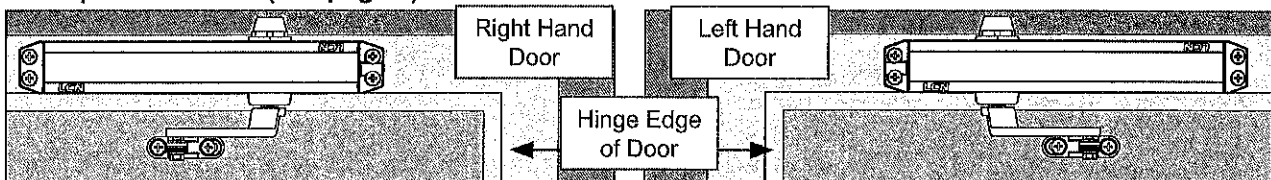
An auxiliary stop is recommended at the hold-open point or where the door cannot swing 180°.

## Choose Installation Type

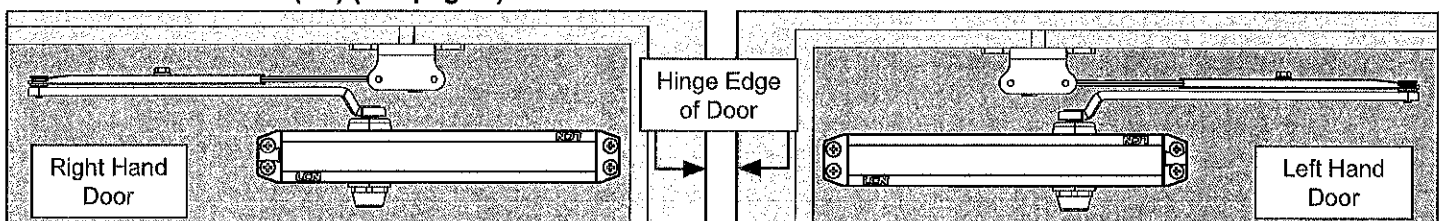
### Pull Side Mount (see page 2)



### Push Side Top Jamb Mount (see page 3)



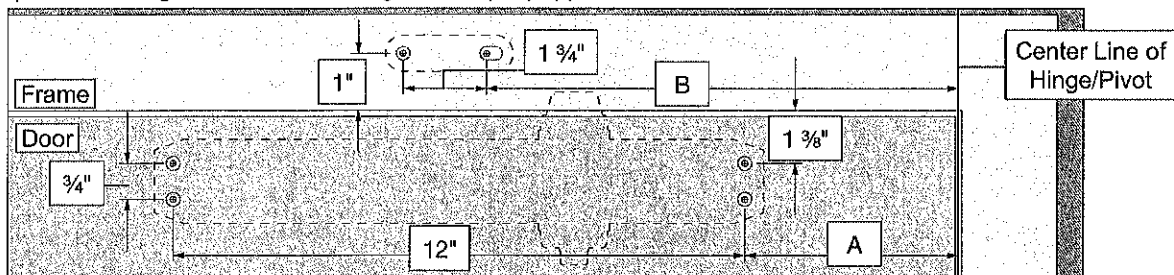
### Push Side Parallel Arm (PA) (see page 4)



## Pull Side Mount

### Mounting Hole Dimensions

Left Hand (LH) shown throughout instructions. Right Hand (RH) opposite.



- Determine the degree of door opening required and find dimension "A" on the chart below.

① Opening angle of 180° is required to meet ADA.

A	Opening	Measurement from Hinge/Pivot Centerline
	To 100°	7 1/2"
	100° to 120°	6"
	120° to 180°	4 1/2"

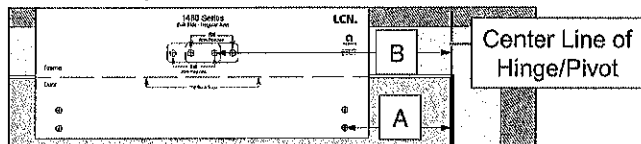
Closer

B	Opening	Measurement from Hinge/Pivot Centerline
	To 100°	13"
	100° to 120°	11 1/2"
	120° to 180°	10"

Shoe

- Measure from hinge/pivot centerline and stick template on door. Mark drilling holes.

① See Mounting Dimensions above as needed.



- Remove template, and drill holes where marked with a 1/8" drill bit for SRT screws.

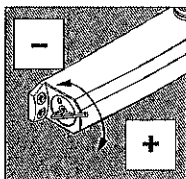
① SRT screws are used on metal doors.  
Wood screws are used on wood doors.

- Measure and determine your door's width. Using a hex wrench, adjust the closer spring power. Use the table below to determine number of turns required.

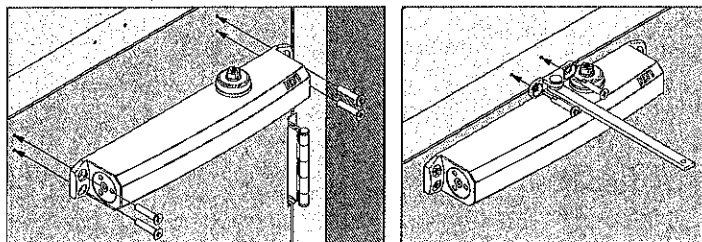
Turn counterclockwise for "-"; turn clockwise for "+"

① These turns are recommended, but may change due to door weight and environmental conditions.

Door Width	Number of Turns
ADA Setting	-5
32" - 815 mm	-3
36" - 915 mm	0
42" - 1050 mm	+5
48" - 1220 mm	+10
54" - 1372mm	+15



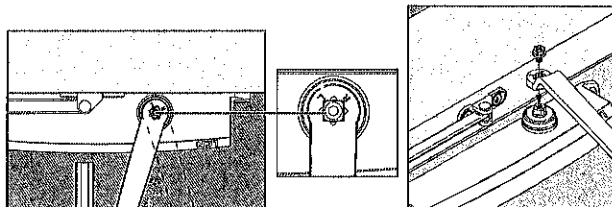
- Install closer onto door and shoe onto frame using screws provided.



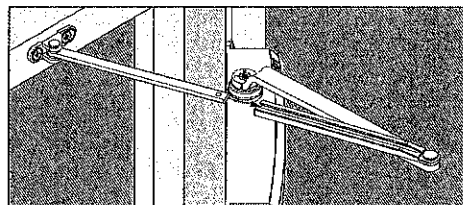
- Install main arm to closer.

- Place main arm onto the top closer shaft.
- Install and tighten main arm screw.

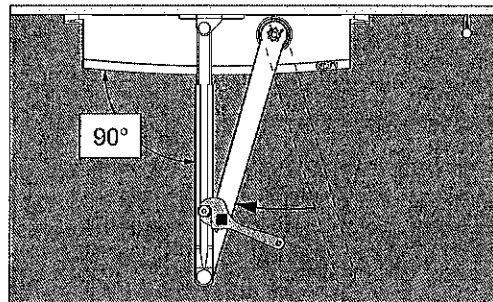
① See page 5 for Optional Hold Open Arm Installation and adjustment.



- Route the rod into the forearm.

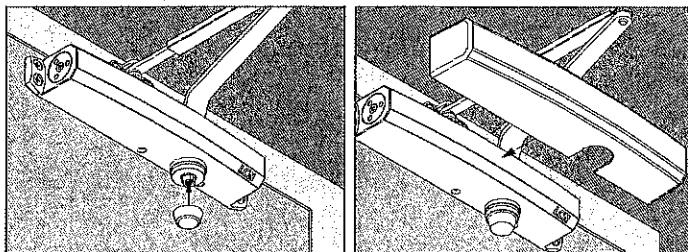


- Preload the forearm to 90°. While the arm is still preloaded, install and tighten the arm screw.



- Adjust the closer, if necessary. See page 5 for closer adjustment instructions.

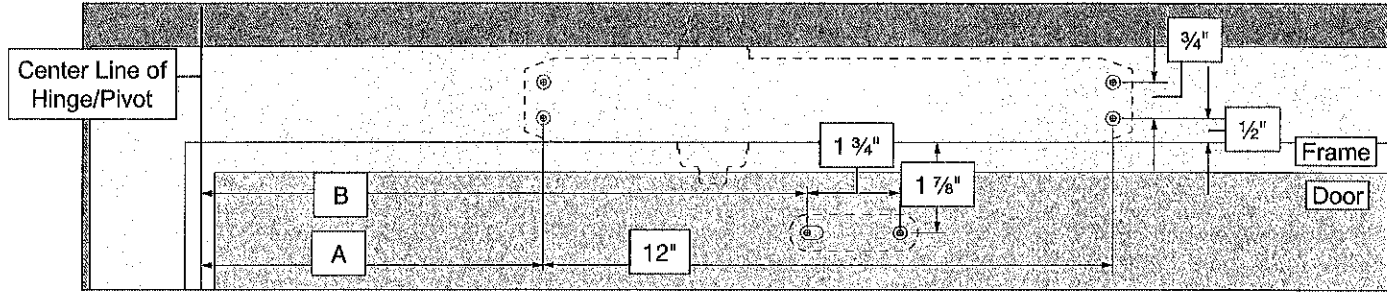
- Screw cap onto shaft and install cover.



## Push Side Top Jamb Mount

### Mounting Hole Dimensions

Left Hand (LH) shown throughout instructions. Right Hand (RH) opposite.



- 1 Determine the degree of door opening required and find dimension "A" on the chart below.

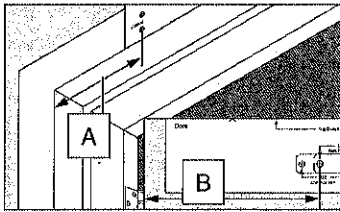
① Opening angle of 180° is required to meet ADA.

A	Opening	Measurement from Hinge/Pivot Centerline
	To 100°	7 1/2"
	100° to 120°	6"
	120° to 180°	4 1/2"
Closer		

B	Opening	Measurement from Hinge/Pivot Centerline
	To 100°	13"
	100° to 120°	11 1/2"
	120° to 180°	10"
Shoe		

- 2 Measure from hinge/pivot centerline and stick template on door. Mark drilling holes.

① See Mounting Dimensions above as needed.



- 3 Remove template, and drill holes where marked with a 1/8" drill bit.

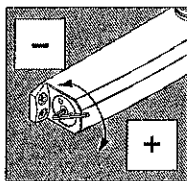
① SRT screws are used on metal doors.  
Wood screws are used on wood doors.

- 4 Measure and determine your door's width. Using a hex wrench, adjust the closer spring power. Use the table below to determine number of turns required.

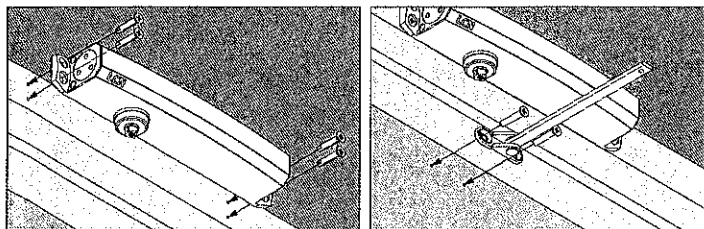
Turn counterclockwise for "-"; turn clockwise for "+"

① These turns are recommended, but may change due to door weight and environmental conditions.

Door Width	Number of Turns
Handicap Setting	-5
32" - 815 mm	-3
36" - 915 mm	0
42" - 1050 mm	+5
48" - 1220 mm	+10
54" - 1372mm	+15



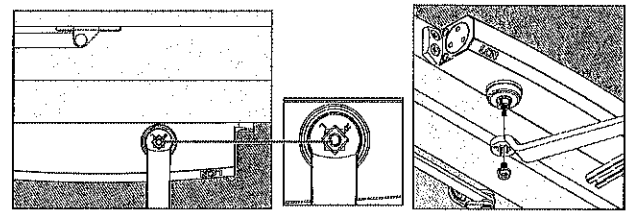
- 5 Install closer onto frame and shoe onto door using screws provided.



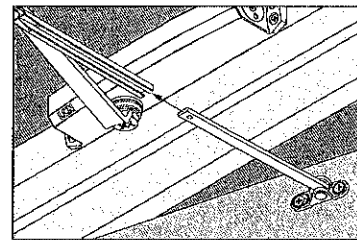
- 6 Install main arm to closer.

a. Place main arm onto the bottom closer shaft.  
b. Install and tighten main arm screw.

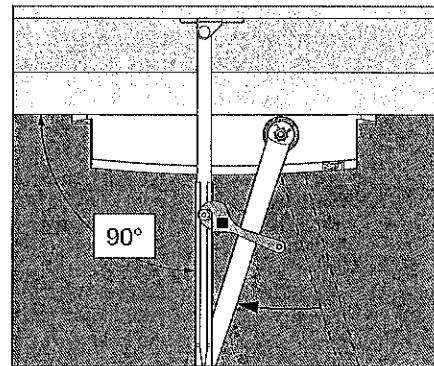
① See page 5 for Optional Hold Open Arm installation and adjustment.



- 7 Route the rod into the forearm.

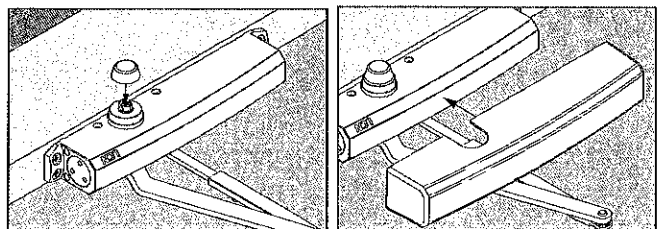


- 8 Preload the forearm to 90°. While the arm is still preloaded, install and tighten the arm screw.



- 9 Adjust the closer, if necessary. See page 5 for closer adjustment instructions.

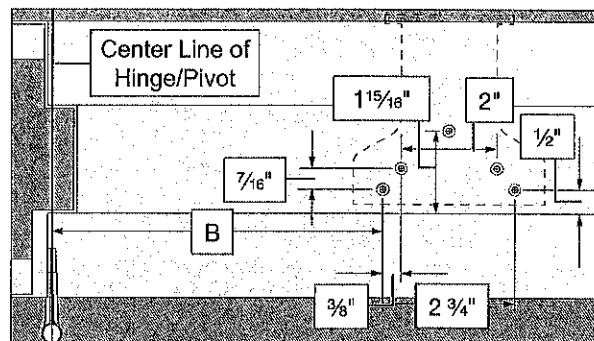
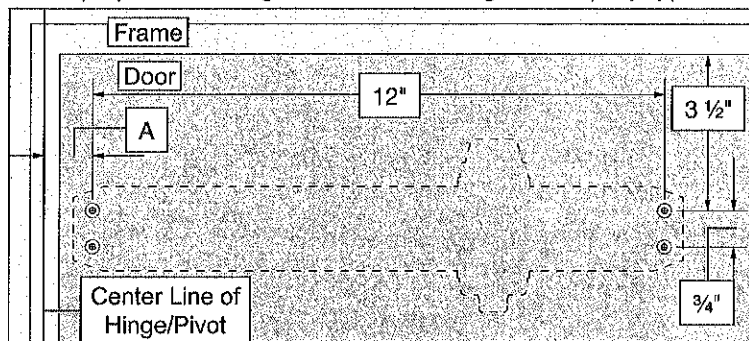
- 10 Screw cap onto shaft and install cover.



## Push Side Parallel Arm (PA)

### Mounting Hole Dimensions

Left Hand (LH) shown throughout instructions. Right Hand (RH) opposite.



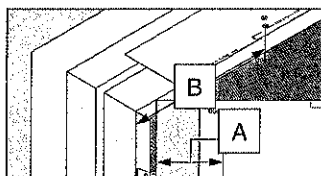
- 1 Determine the degree of door opening required and find dimensions "A" and "B" in the charts below.

A Closer	Opening	Measurement from Hinge/Pivot Centerline
	To 120°	3 3/4"
B PA Shoe	120° to 180°	1 1/4"

B PA Shoe	Opening	Measurement from Hinge/Pivot Centerline
	To 120°	9 1/2"
A Closer	120° to 180°	7"

- 2 Measure from hinge/pivot centerline and stick template on door. Mark drilling holes.

① See Mounting Dimensions above as needed.



- 3 Remove template, and drill holes where marked with a 1/8" drill bit for SRT screws.

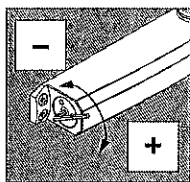
① SRT screws are used on metal doors.  
Wood screws are used on wood doors.

- 4 Measure and determine your door's width. Using a hex wrench, adjust the closer spring power. Use the table below to determine number of turns required.

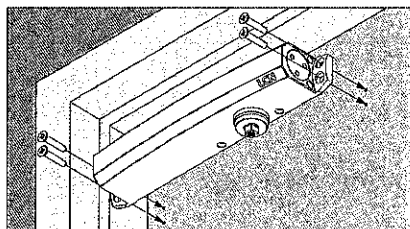
Turn counterclockwise for "-"; turn clockwise for "+"

① These turns are recommended, but may change due to door weight and environmental conditions.

Door Width	Number of Turns
Handicap Setting	-5
32" - 815 mm	-3
36" - 915 mm	0
42" - 1050 mm	+5
48" - 1220 mm	+10
54" - 1372mm	+15



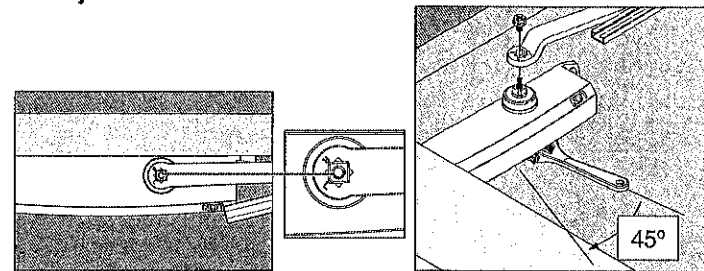
- 5 Install closer onto door.



- 6 Install main arm to closer.

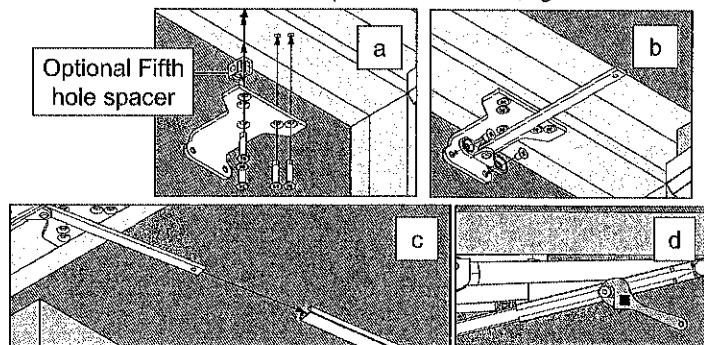
- a. Use a wrench on the bottom closer shaft to turn the top closer shaft approximately 45°. **Hold the wrench at this angle for the next step.**  
b. Place main arm onto the top closer shaft.  
c. Install and tighten main arm screw.

① See page 5 for Optional Hold Open Arm installation and adjustment.



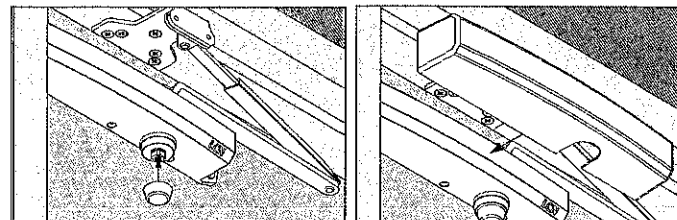
- 7 Install PA Shoe onto the frame, then into the rod & shoe.

- a. Attach PA shoe, and optional fifth hole spacer if needed, to frame.  
① Use the fifth hole spacer only if there is a space between the frame and the PA shoe.  
b. Fasten rod & shoe to PA shoe.  
c. Install rod into the forearm of the main arm.  
d. Preload main arm to be parallel with frame, tighten arm screw.



- 8 Adjust the closer, if necessary. See page 5 for closer adjustment instructions.

- 9 Screw cap onto shaft and install cover.



## Closer Valve Adjustment

Check closing time, and adjust closer if needed.

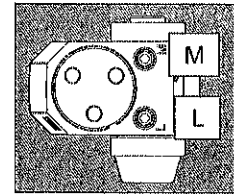
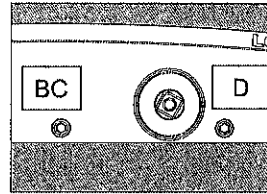
### CAUTION

Opening the regulation valves (described below) too far may result in the closer leaking oil! This may result in closer and property damage, and personal injury.

**FOLLOW ALL INSTRUCTIONS CAREFULLY.**

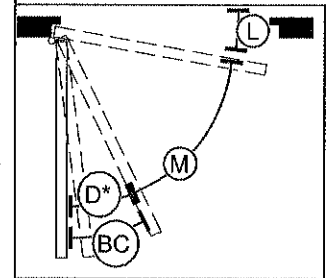
- ① Valve must be closed CW to seat, never more than 3 turns CCW from seated position. Adjust the valves in 1/4 turn increments or less at a time. **DO NOT TURN MORE THAN 3 FULL ROTATIONS. THIS WILL CAUSE THE CLOSER TO LEAK OIL!**
- ① **DO NOT ADJUST THE LATCH SPEED IF THE DOOR DOES NOT LATCH.** If this occurs, adjust the spring force.
  1. Open the door to 90°, measure how long the door takes to close and latch. A typical closing time is 5 to 7 seconds, evenly divided between main speed and latch speed.
  2. If the closing time needs to be adjusted, use the closer valves described below.
    - a. Backcheck (BC)- this controls door speed opening as the door angle approaches 90°. **Do not use as a door stop.**
    - b. Main Speed (M)- this controls door speed during most of the closing motion.

- c. Latch Speed (L)- this controls door speed during the last few degrees of door closing.
  - d. DA Speed (D)- this controls the delay speed for DA cylinders. **This valve is present on DA cylinders only.**
3. Turn the valves clockwise to decrease door speed, and counterclockwise to increase door speed. The latch speed and main speed should be adjusted together.



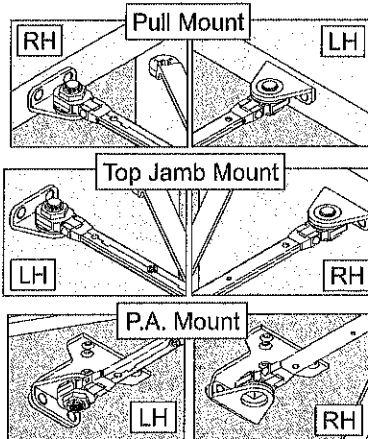
- (BC) = Backcheck valve
- (M) = Main speed valve
- (D) = Delay speed valve\*
- (L) = Latch speed valve

\* Optional



## Optional Hold Open Arms

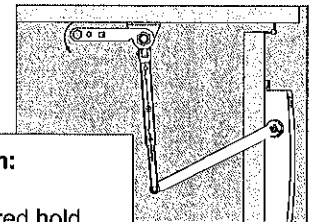
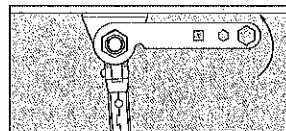
- 1 See the image below to determine the direction of the Hold Open nut. This is determined by the door handing.



180° Mounting Hold Open (120°-180°)  
120° Mounting Hold Open (95°-120°)  
100° Mounting Hold Open (85°-100°)

- 2 Hold Open Arm Adjustment.

- ① The Hold Open Arm installs like the regular closer arm. Follow steps 5 - 7 on pages 2, 3, and 4 for Hold Open Arm installation.
- ① Top Jamb mount handing for Hold Open Arms is reverse of other mounts.



**To adjust Optional Hold-open arm:**

1. Loosen hold open nut.
2. Open door to 5° less than desired hold position and tighten hold open nut securely.

Screw Type	Picture	Cylinder Mounting	PA Bracket Mounting	PA Shoe Mounting	5th Hole Mounting (PA Shoe Only)
Wood (for wood doors & frames)		4 @ #14 x 1 3/8"	4 @ #14- 1 3/8"		1 @ #14 x 2"
Machine (for metal doors & frames) Requires hole drilling & tapping; best hold.		4 @ 1/4-20 x 1"	4 @ 1/4-20 x 3/8"	2 @ 1/4-20 x 3/8"	1 @ 1/4-20 x 1 1/2"
SRT - Self Reaming & Tapping (for metal doors & frames)		4 @ #14 x 1 1/2"	4 @ #14 x 1 1/2"		1 @ #14 x 2"

Screw Type	Picture	Notes
Fifth Hole Spacer		
Thru Bolts		Used when mounting through door.
Pinion Attachment Screw		1 M6 x 10mm for attachment of the arm (see step 6).



P518-672



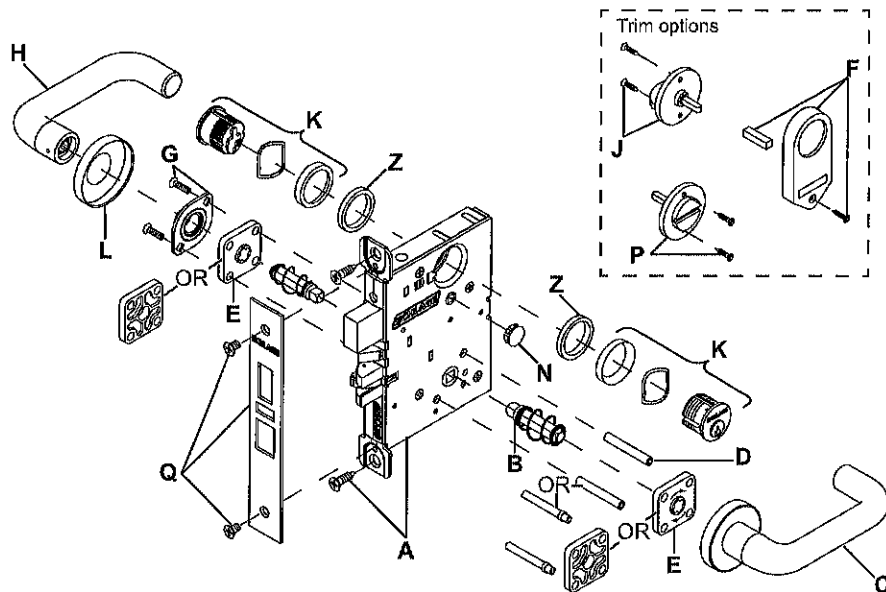
## L/LV9000-Series

Lever and Rose Trim

Installation Instructions

*For Lever and Escutcheon Trim see page 7.*

**⚠ Check the door preparation dimensions with the template included in the package.**



- A Lockcase and mounting screws
- B Spindle and spring
- C Outside lever and rose assembly
- D Mounting posts
- E Spring cage or spacer
- F Occupancy indicator (original style)
- G Inside mounting plate and screws
- H Inside lever

- J Inside thumb turn
- K Cylinder, compression ring and spring
- L Inside rose
- N Emergency button
- P Coin turn
- Q Armor front and screws
- Z Blocking ring

*Para el idioma español e en francés, véase la página 13*

*Pour la portion française et espagnole voir page 13*

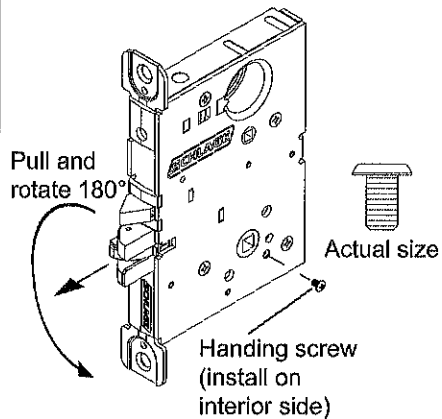
## Door Handing

**IMPORTANT! Check lock handing before installation.**

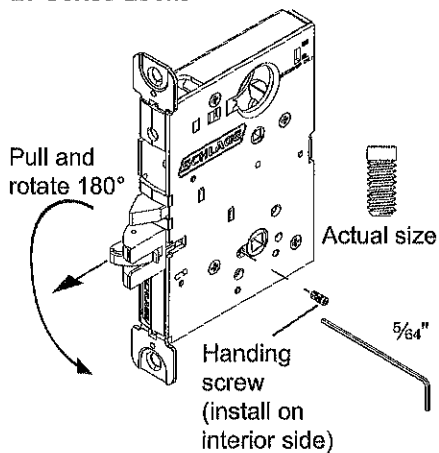
**If necessary to change handing:**

1. Pull out the latch and rotate 180°.
2. Handing screw must be installed on the interior side of the chassis.  
If necessary, move the screw to the opposite side.

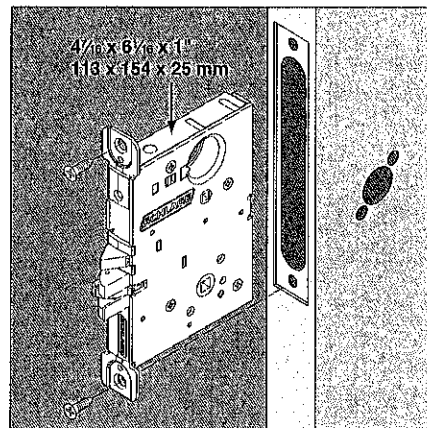
### L-Series Locks



### LV-Series Locks

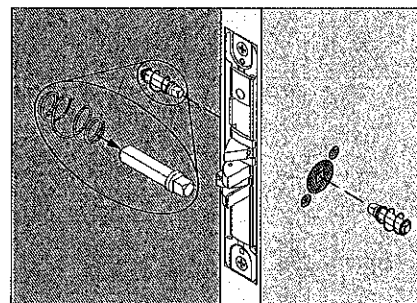


## 1 Install lock chassis.



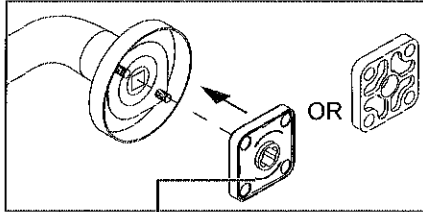
⚠ Do not fully tighten chassis mounting screws.

## 2 Install springs and spindles.



### 3 Prepare outside lever assembly for installation.

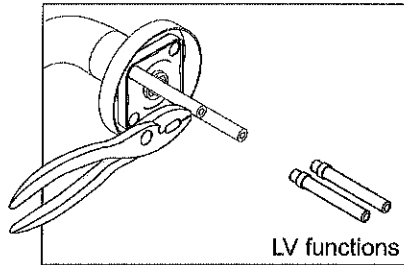
#### 3a Install outside spring cage or spacer.



① The spring cage arrow must point in direction of lever down rotation.

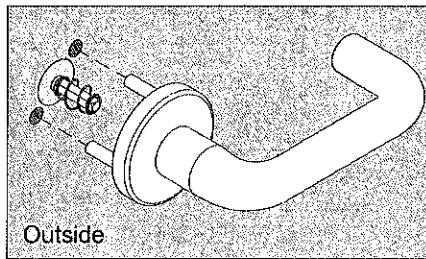
Use outside spacer with: L0170, L0172, L9080, L9082, L9175, L9176, L9460 x XL11-635, L9460 x XL11-886, L9462 x XL11-886, L9464 x XL11-886, L9480, L9485, L9485 x XL11-557, L9486.

#### 3b Install outside mounting posts.

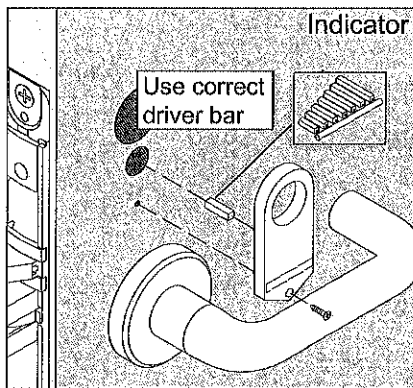
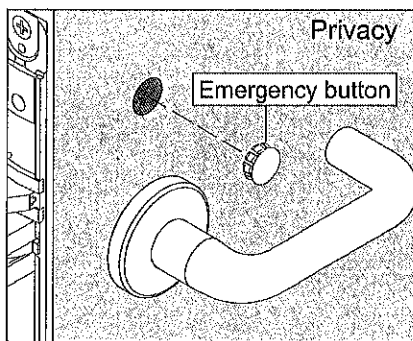
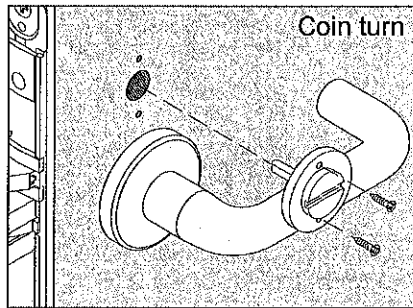


▲ Fully tighten mounting posts on screws.

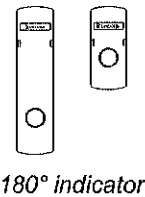
### 4 Install outside lever.



### 5 For applicable functions, install coin turn, emergency button or indicator.

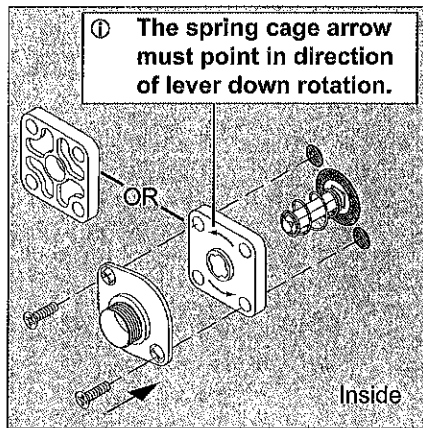


① Note: Original indicator style shown. For 180° indicator, see separate instruction sheet in the package.



180° indicator

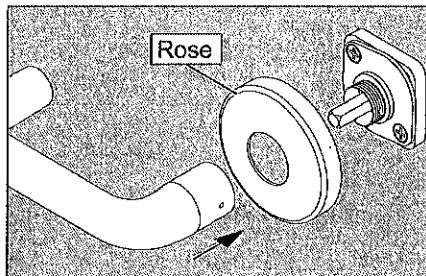
- 6** Install inside spring cage and mounting plate or spacer.



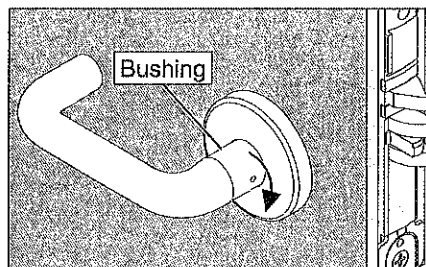
Use inside spacer with: L0172, L9082, L9176, L9460 x XL11-635, L9485 x XL11-557.

- 7** Install inside rose and lever.

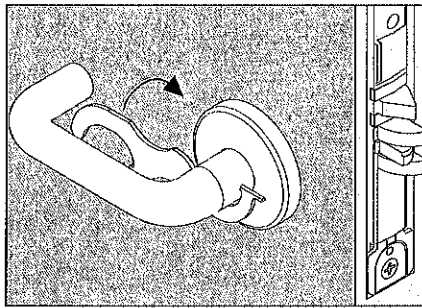
- 7a** Install rose over mounting plate assembly.



- 7b** Thread bushing onto mounting plate.

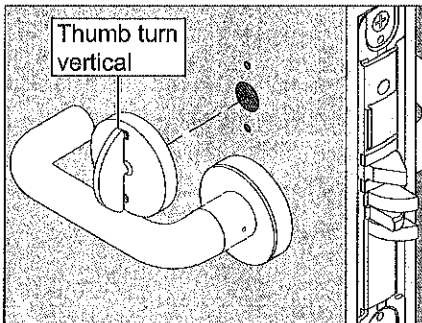


- 8** Tighten bushing with spanner wrench (included).

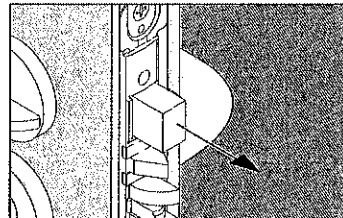


- 9** Install thumb turn, if applicable.

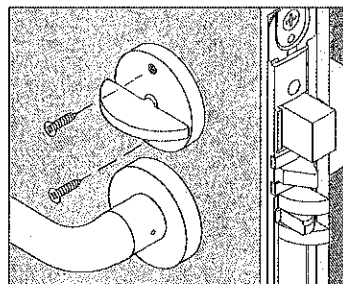
9a



- 9b** Rotate thumb turn to lock the door and extend the deadbolt.

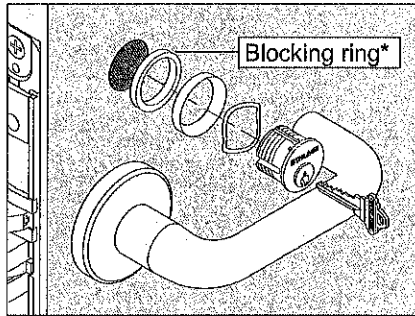


- 9c** Install thumb turn with two screws.



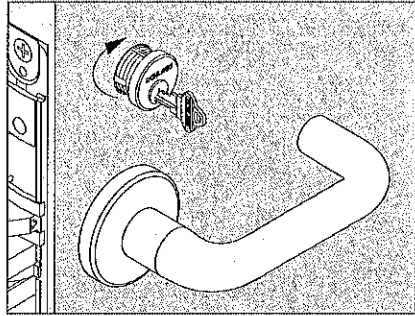
## 10 Install outside and inside cylinder(s), if applicable.

### Outside cylinder

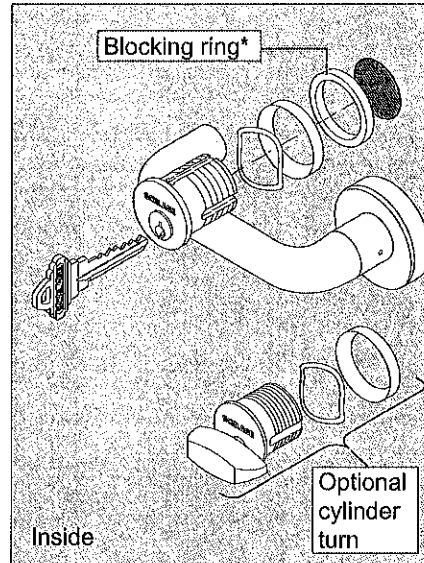


*\* Use blocking ring with double cylinders, specific FSIC, SFIC applications and some door thicknesses. Refer to the L-Series Service Manual or current Schlage Commercial Price Book for details.*

Use key inserted halfway to rotate cylinder clockwise.

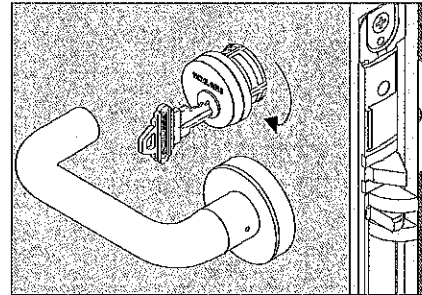


### Inside cylinder



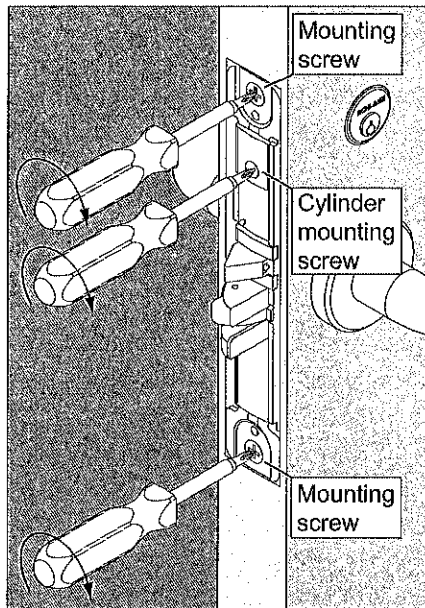
*\*Use blocking ring with double cylinders, specific FSIC, SFIC applications and some door thicknesses. Refer to the L-Series Service Manual or current Schlage Commercial Price Book for complete information.*

Use key inserted halfway to rotate cylinder clockwise.

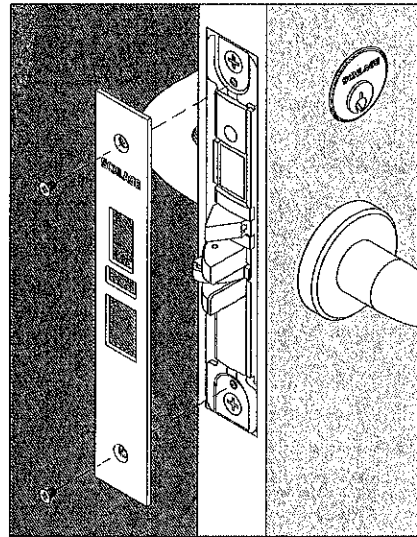


## 11 Tighten screws.

Tighten two mounting screws. Tighten cylinder mounting screw if necessary.



## 12 Install armor front.



## Troubleshooting

Problem	Cause	Solution
Outside lever allows immediate egress and inside lever locks and unlocks (opposite of expected function).	Handing screw may not be installed correctly.	Check the handing screw on the mortise chassis. The screw should be installed on the interior side of the chassis. See page 2 for information.
Lever droops. Lever will pull up but not push down. Lever will push down but will not return to original position.	Spring cage may not be installed correctly.	Check the spring cage orientation. The spring cage arrow must point in direction of lever down rotation. See steps 3 and 6 for information.

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1-877-671-7011

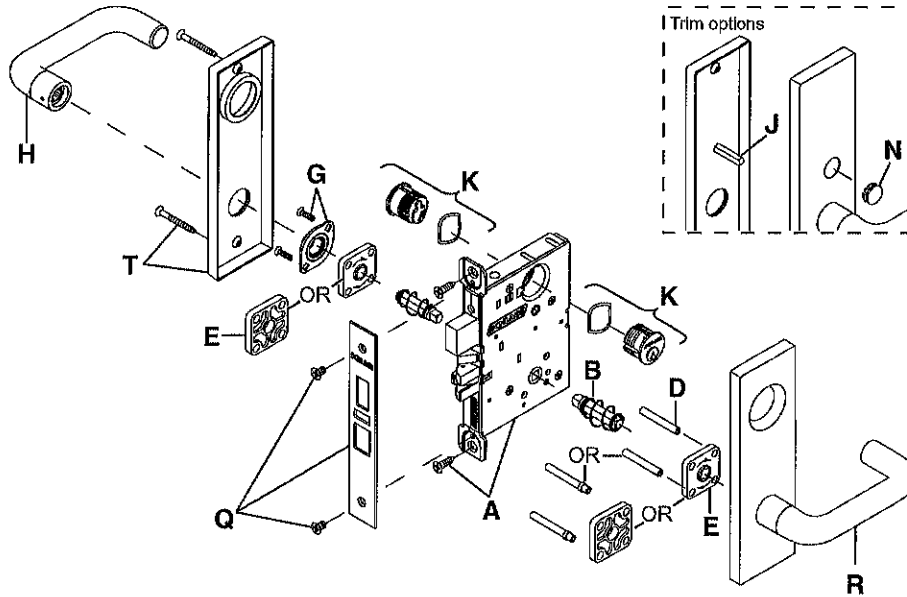
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# L/LV9000-Series

Lever and Escutcheon Trim

Installation Instructions

**▲ Check the door preparation dimensions with the template included in the package.**



- A Lockcase and mounting screws
- B Spindle and spring
- D Mounting posts
- E Spring cage or spacer
- G Inside mounting plate and screws
- H Inside lever
- J Inside thumb turn

- K Cylinder and spring
- N Emergency button
- Q Armor front and screws
- R Outside lever and escutcheon assembly
- T Inside escutcheon and screws

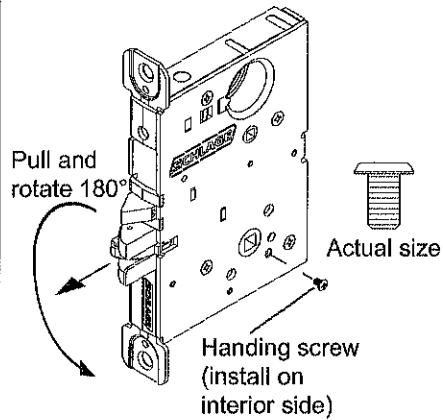
## Door Hanging

**IMPORTANT! Check lock handing before installation.**

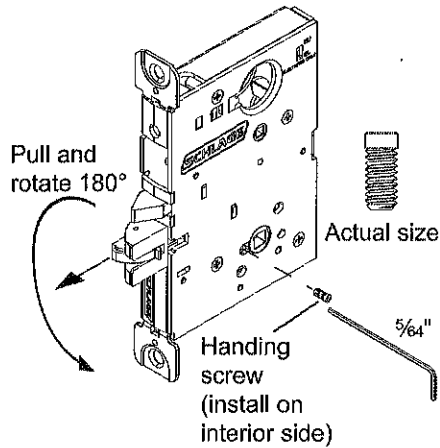
**If necessary to change handing:**

1. Pull out the latch and rotate 180°.
2. Handing screw must be installed on the interior side of the chassis. If necessary, move the screw to the opposite side.

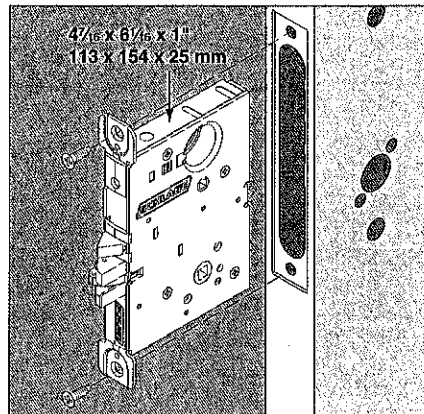
### L-Series Locks



### LV-Series Locks

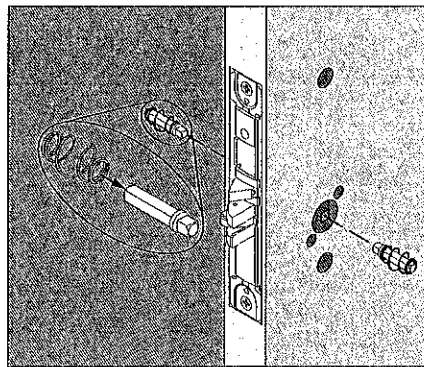


## 1 Install lock chassis.



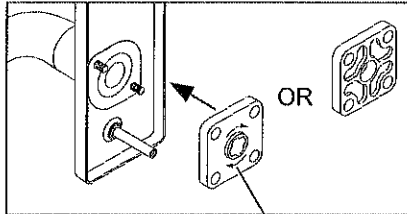
⚠ Do not fully tighten chassis mounting screws.

## 2 Install springs and spindles.



### 3 Prepare outside lever assembly for installation.

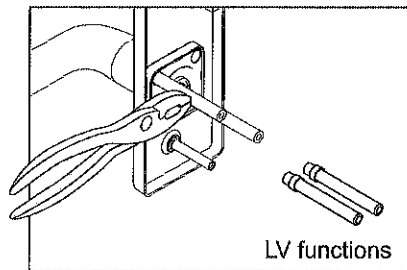
3a Install outside spring cage or spacer.



① The spring cage arrow must point in direction of lever down rotation.

Use outside spacer with: L0170, L0172, L9080, L9082, L9175, L9176, L9460 x XL11-635, L9460 x XL11-886, L9462 x XL11-886, L9464 x XL11-886, L9480, L9485, L9485 x XL11-557, L9486.

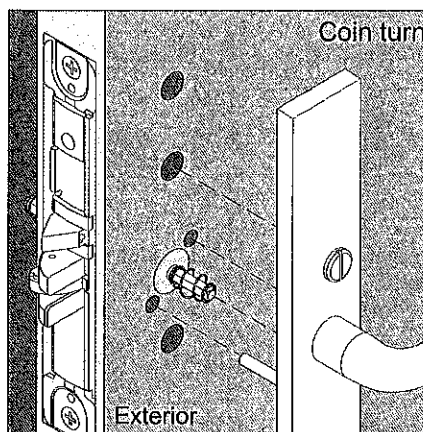
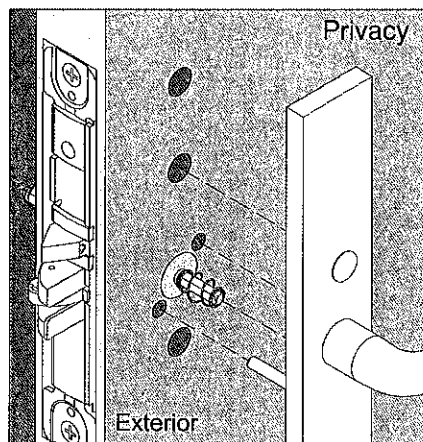
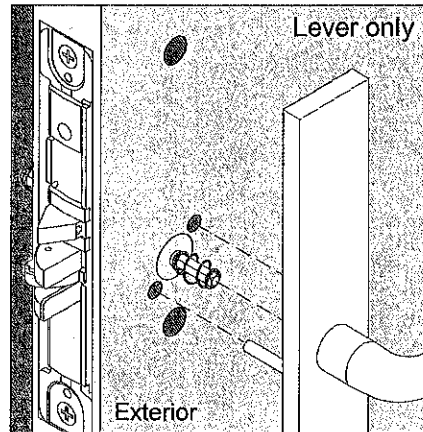
3b Install outside mounting posts.



⚠ Fully tighten mounting posts on screws.

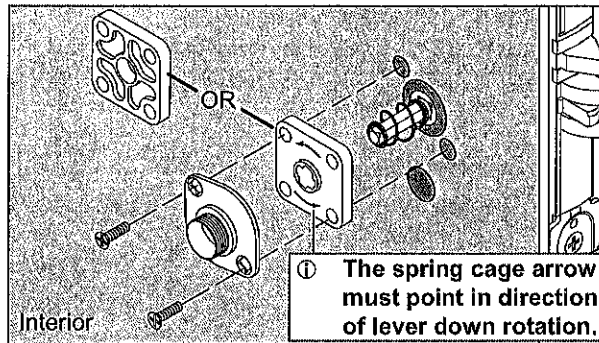
### 4 Install outside trim.

① **IMPORTANT:** For concealed cylinder option only, install cylinder(s) BEFORE installing escutcheon(s). For cylinder trim, see step 7.



## 5 Install inside spring cage and mounting plate or spacer.

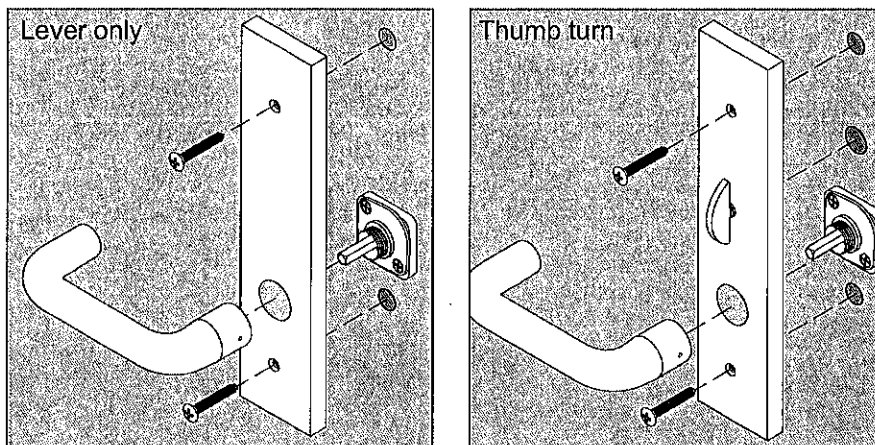
Use inside spacer with:  
L0172, L9082, L9176,  
L9460 x XL11-635,  
L9485 x XL11-557.



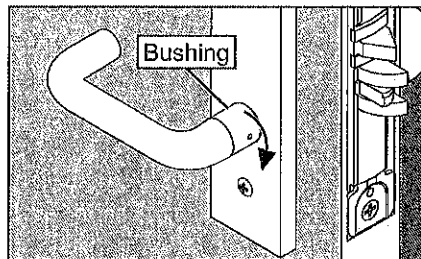
## 6 Install inside trim.

① **IMPORTANT:** For concealed cylinder option only, install cylinder(s) **BEFORE** installing escutcheon(s). For cylinder trim, see step 7.

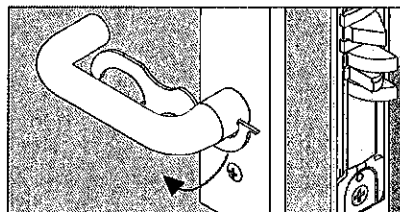
6a Install escutcheon over mounting plate assembly.



6b Thread bushing onto mounting plate.



6c Tighten bushing with spanner wrench (included).

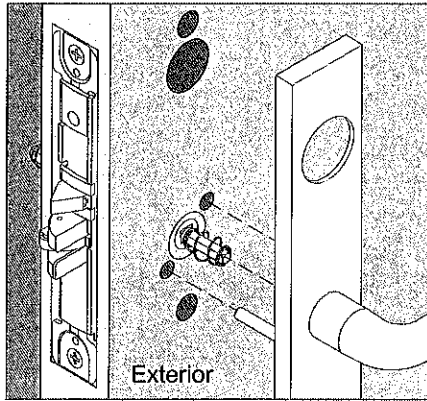


## 7 Install outside and inside cylinder(s), if applicable.

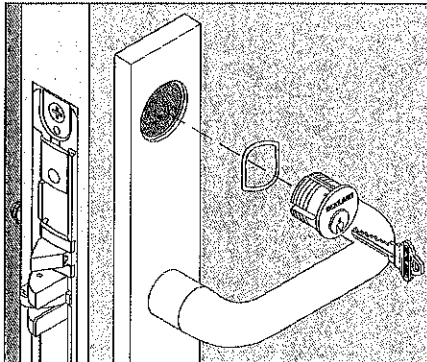
- ① **IMPORTANT:** For concealed cylinder option only, install cylinder(s) **BEFORE** installing escutcheon(s).

### Outside cylinder

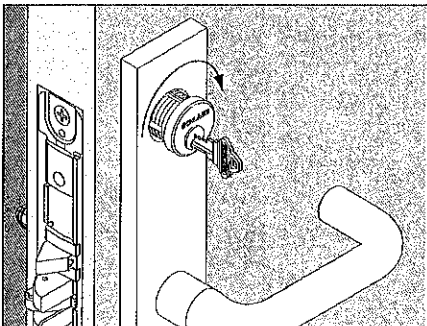
Install outside escutcheon assembly.



Install the cylinder with cylinder spring.

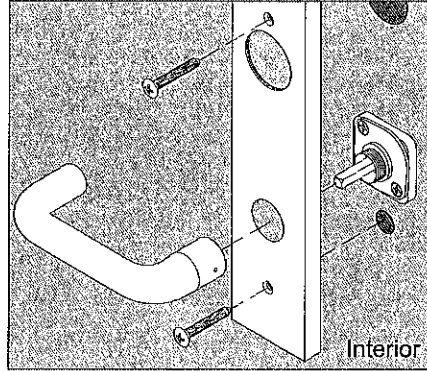


Use key inserted halfway to rotate cylinder clockwise.

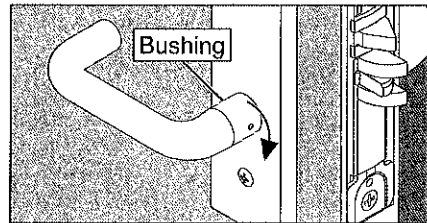


### Inside cylinder

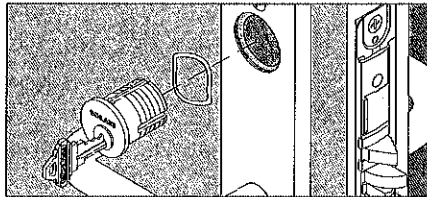
Install escutcheon over mounting plate assembly.



Thread bushing onto mounting plate.

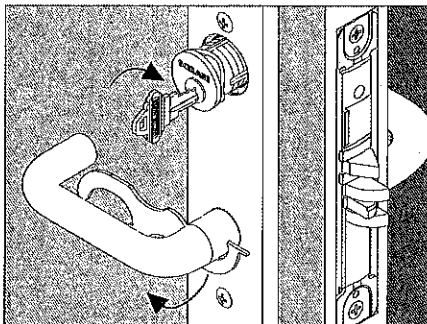


Install the cylinder with cylinder spring.



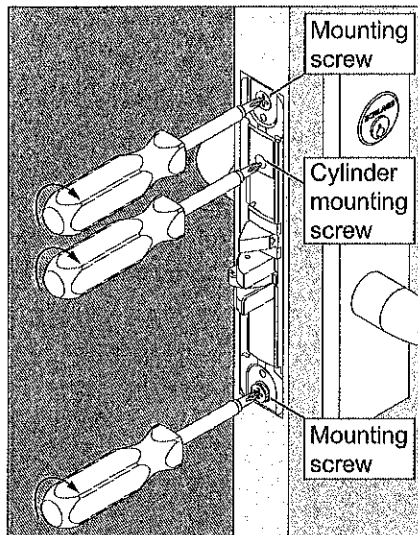
Use key inserted halfway to rotate cylinder clockwise.

Tighten bushing with spanner wrench (included).

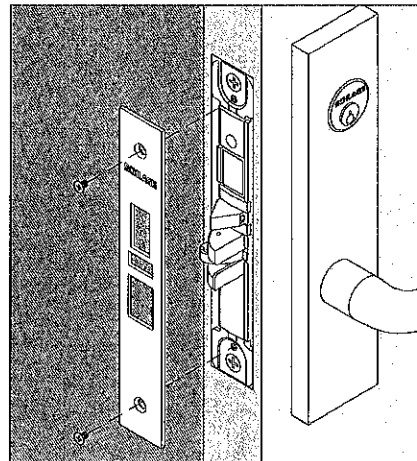


## 8 Tighten screws.

Tighten two mounting screws. Tighten cylinder mounting screw if necessary.



## 9 Install armor front.



## Troubleshooting

Problem	Cause	Solution
Outside lever allows immediate egress and inside lever locks and unlocks (opposite of expected function).	Handing screw may not be installed correctly.	Check the handing screw on the mortise chassis. The screw should be installed on the interior side of the chassis. See page 8 for information.
Lever droops. Lever will pull up but not push down. Lever will push down but will not return to original position.	Spring cage may not be installed correctly.	Check the spring cage orientation. The spring cage arrow must point in direction of lever down rotation. See steps 3 and 5 for information.

### Customer Service

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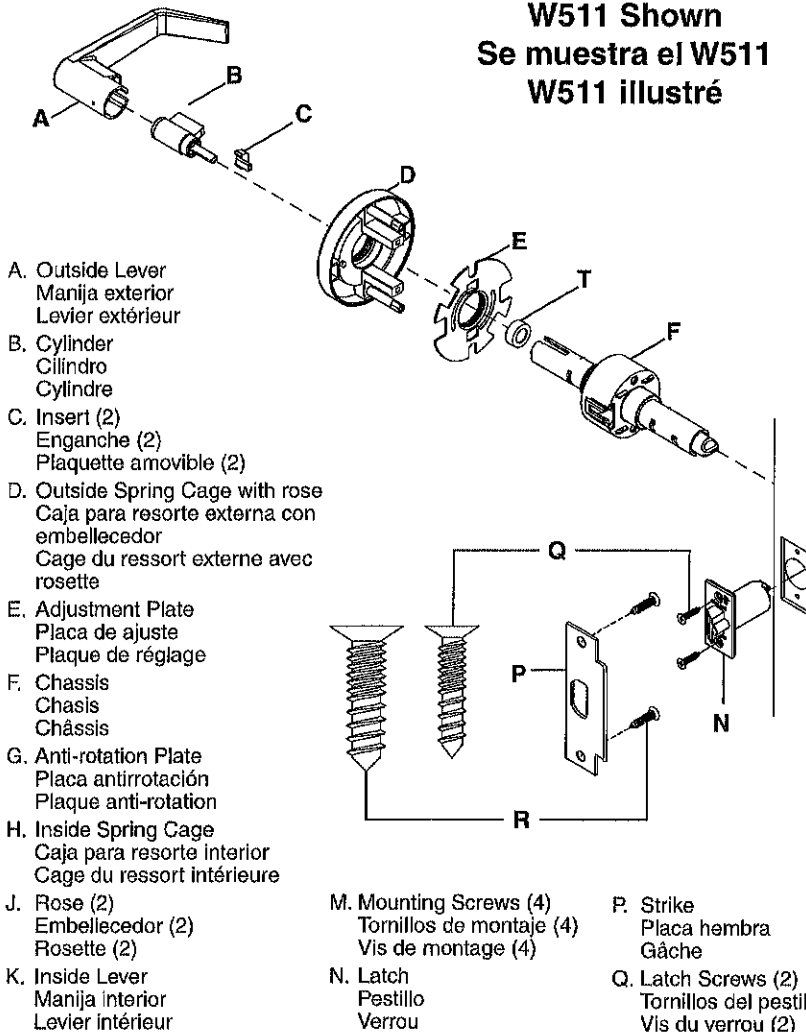
Q513-048

# W-Series with Levers

**FALCON®**

Installation Instructions  
Instrucciones de instalación  
Notice d'installation

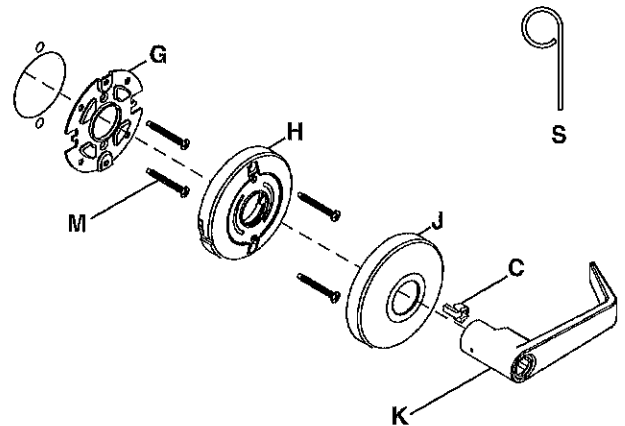
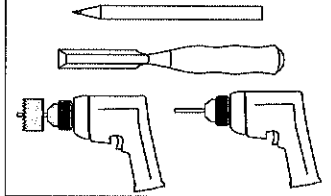
**W511 Shown**  
**Se muestra el W511**  
**W511 ilustré**



**For Install**  
**Para la instalación**  
**Outils pour l'installation**



**For Door Preparation**  
**Para preparar la puerta**  
**Pour la préparation de la porte**



## Instale la cerradura

**1**

### Use Template to Check Door Holes

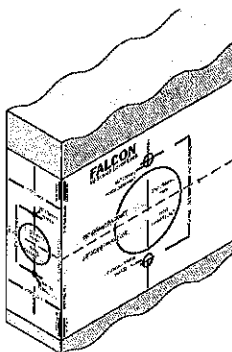
**Note:** If door holes do not match template, see DOOR PREP section

### Use la plantilla para verificar los agujeros de la puerta

**Nota:** Si los agujeros de la puerta no coinciden con la plantilla, consulte la sección PREP DE LA PUERTA

### Utiliser le gabarit pour vérifier les trous de porte

**Note:** Si les trous de porte ne correspondent pas au gabarit, voir la section PRÉPARATION DE LA PORTE



## Install Lock

**2**

### Install Latch

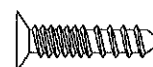
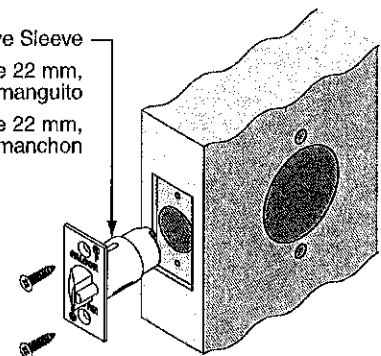
### Instale el pestillo

### Installer le verrou

For 3/4" (22 mm) Hole, Remove Sleeve

Para un agujero de 22 mm, retire el manguito

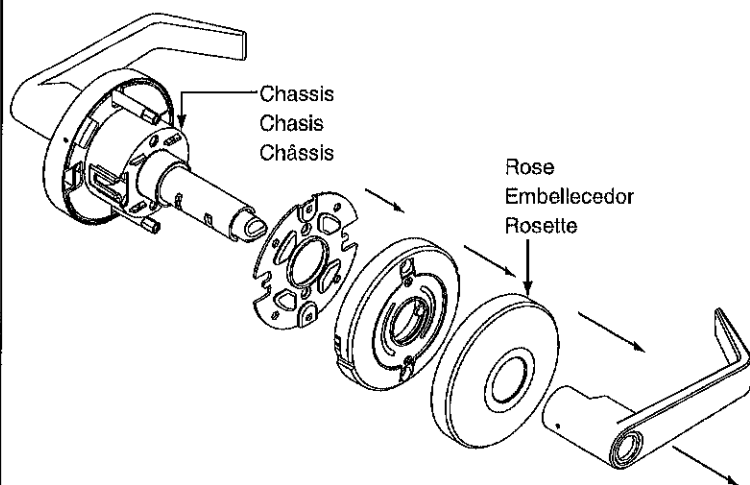
Pour un trou de 22 mm, retirer le manchon



Actual Size  
Tamaño real  
Taille réelle

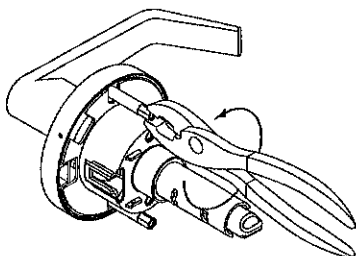
## Installer le serrure

**3 Remove Assembly from Box**  
**Retire el conjunto desde la caja**  
**Retirer l'ensemble de la boîte**

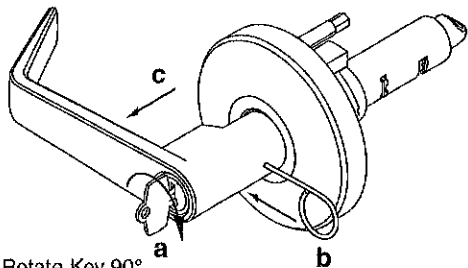


**4 If Needed, Mounting Posts Can Be Removed**  
**Si necesario, los postes de montaje pueden retirarse**  
**Si nécessaire, les poteaux de montage peuvent être retirés**

For maximum performance, use mounting posts  
 Para obtener un resultado óptimo, utilice postes de montaje  
 Pour de meilleurs résultats, utiliser les poteaux de montage



**5 If Needed, Remove Outside Lever**  
**Si necesario, retire la manija exterior**  
**Si nécessaire, retirer le levier extérieur**



Rotate Key 90°  
 Girar la llave 90°  
 Tourner la clé à 90°

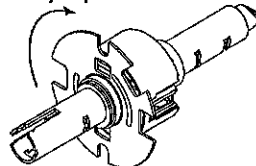
**6 If Needed, Adjust Chassis**  
 Chassis is factory set for 1 3/4" (44 mm) door  
**Si necesario, ajuste el chasis**  
 El chasis está fijado en fábrica para una puerta de 44 mm  
**Si nécessaire, régler le châssis**  
 Le châssis est réglé en usine pour une porte de 44 mm

**For 1 3/8" (35 mm) thick door**

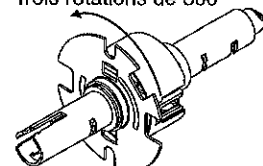
**Para una puerta de 35 mm de espesor**

**Pour une porte de 35 mm d'épaisseur**

**a**  
 Rotate until stops  
 Gire hasta que se detenga  
 Tourner jusqu'à l'arrêt



**b**  
 Three 360° rotations  
 Tres giros de 360°  
 Trois rotations de 360°



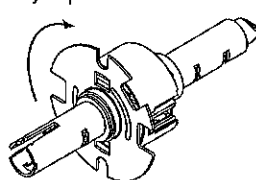
OR O OU

**For 1 3/4" (44 mm) thick door**

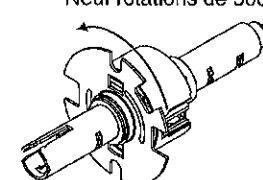
**Para una puerta de 44 mm de espesor**

**Pour une porte de 44 mm d'épaisseur**

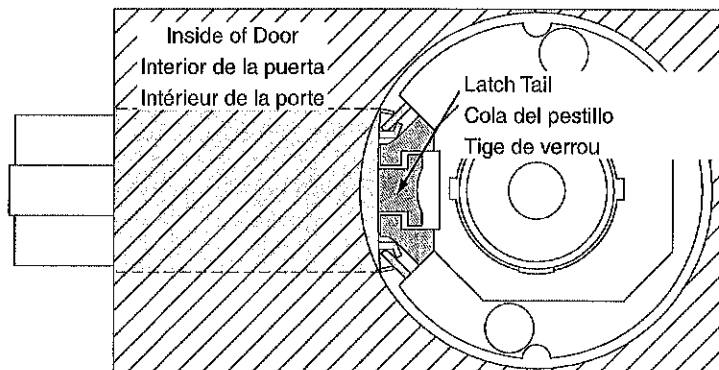
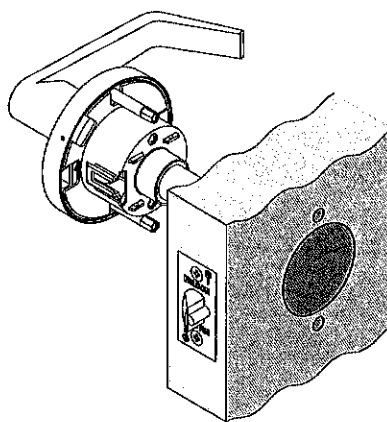
**a**  
 Rotate until stops  
 Gire hasta que se detenga  
 Tourner jusqu'à l'arrêt



**b**  
 Nine 360° rotations  
 Nueve giros de 360°  
 Neuf rotations de 360°

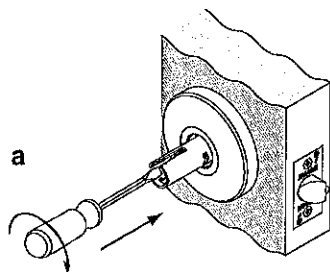


**7 Install Outside Chassis Assembly**  
**Instale el conjunto del chasis exterior**  
**Installer le châssis extérieur**

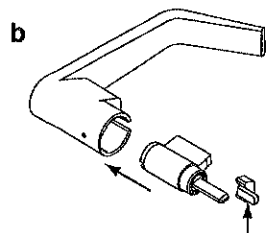


**8 If Needed, Install Cylinder and Outside Lever**  
**Si necesario, instale el cilindro y la manija exterior**  
**Si nécessaire, installer le cylindre et le levier extérieur**

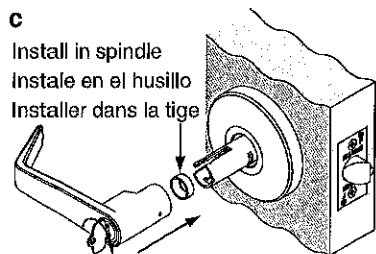
For W561 Only  
 Para W561 solamente  
 Pour W561 seulement



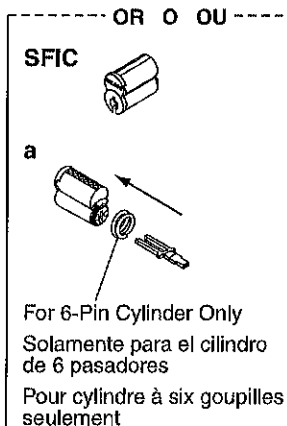
Rotate cam until it stops  
 Gire la leva hasta que se detenga  
 Tourner la came jusqu'à l'arrêt



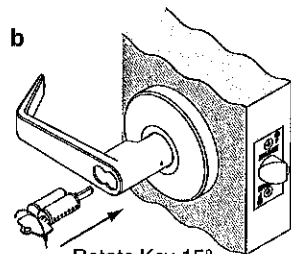
Must be installed  
 Se debe instalar  
 Doit être installé



Rotate key 90°  
 Gire la llave 90°  
 Tourner la clé à 90°

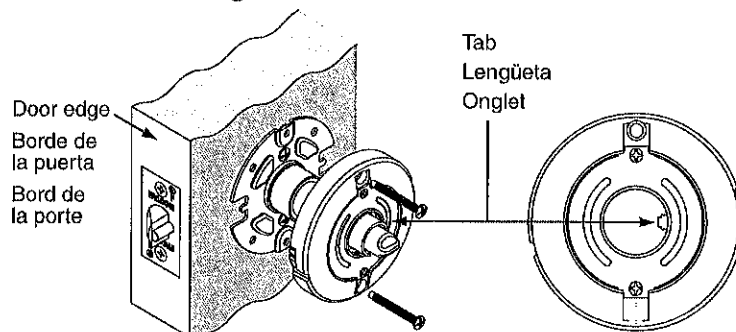


For 6-Pin Cylinder Only  
 Solamente para el cilindro de 6 pasadores  
 Pour cylindre à six goupilles seulement

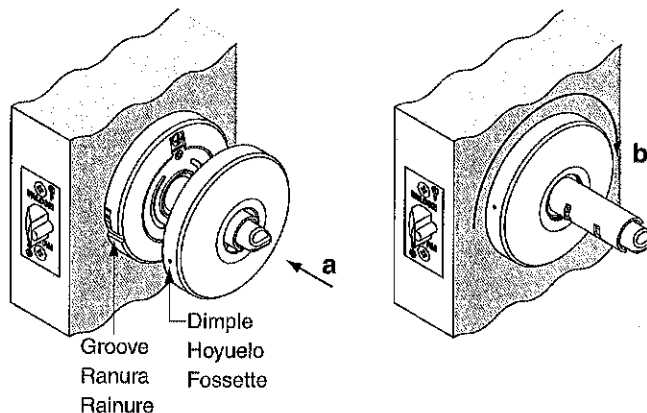


Rotate Key 15°  
 Gire la llave 15°  
 Tourner la clé à 15°

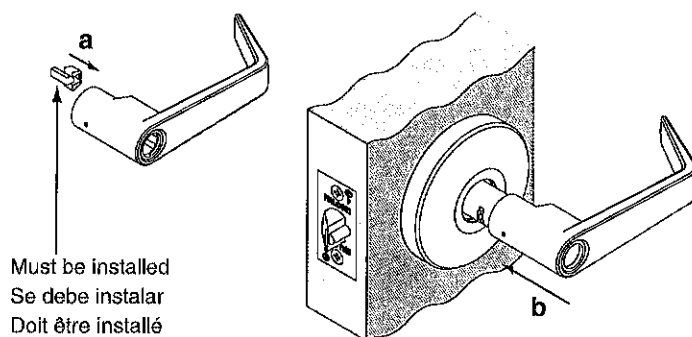
**10 Install Inside Spring Cage**  
**Instale caja para resorte interior**  
**Installer la cage du ressort intérieur**



**11 Install Inside Rose**  
**Instale el embellecedor interior**  
**Installer la rosette intérieure**

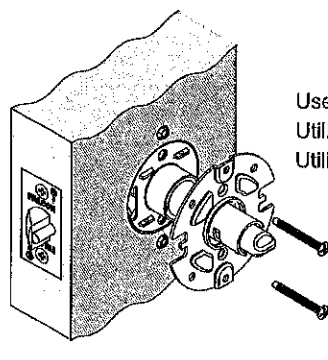


**12 Install Inside Lever**  
**Instale la manija interior**  
**Installer le levier intérieur**



Must be installed  
 Se debe instalar  
 Doit être installé

**9 Install Anti-Rotation Plate**  
**Instale la placa antirrotación**  
**Installer la plaque anti-rotation**



Use for doors without through holes  
 Utilícese para puertas sin orificios pasantes  
 Utiliser sur les portes sans trous traversants

**13 Install Strike**  
**Instale la placa hembra**  
**Installer la gâche**

