

**VON DUPRIN**

**7827 Surface  
Vertical Rod Exit  
Device**



# VON DUPRIN 7827 Surface Vertical Rod Exit Device Instructions

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# VON DUPRIN

**VON DUPRIN 7827 Surface Vertical Rod Exit Device**



## Product Information

- **Model:** 7827 Surface Vertical Rod Exit Device
- **Devices Covered:** 7827-F (Fire) Surface Vertical Rod Exit Device, CD7827 (Cylinder Dogging) Surface Vertical Rod Exit Device, QEL7827/27-F (Electric Latch Retraction) Surface Vertical Rod Exit Device
- **Special Tools Needed:** 5/64 hex wrench, #10-24 tap, Drill bits: #25, 1/8, 1/4, 5/16, 13/32
- **Customer Service:** 1-[877-671-7011](tel:877-671-7011)
- **Website:** [www.allegion.com/us](http://www.allegion.com/us)

## Specifications

- Suitable for surface mount installation
- Compatible with various door thicknesses
- Includes necessary screws and bolts for installation

## Product Usage Instructions

### Installation

1. Ensure you have all the special tools required for installation.
2. Position the device template correctly on the door based on the door thickness.
3. Mark and drill holes as per the Preparation Chart provided.
4. Assemble the device according to the instructions provided.
5. Adjust the tailpiece if needed for the door thickness.

## **Maintenance**

Regularly inspect the device for any signs of wear or damage. Clean and lubricate moving parts as needed to ensure smooth operation.

## **Emergency Procedures**

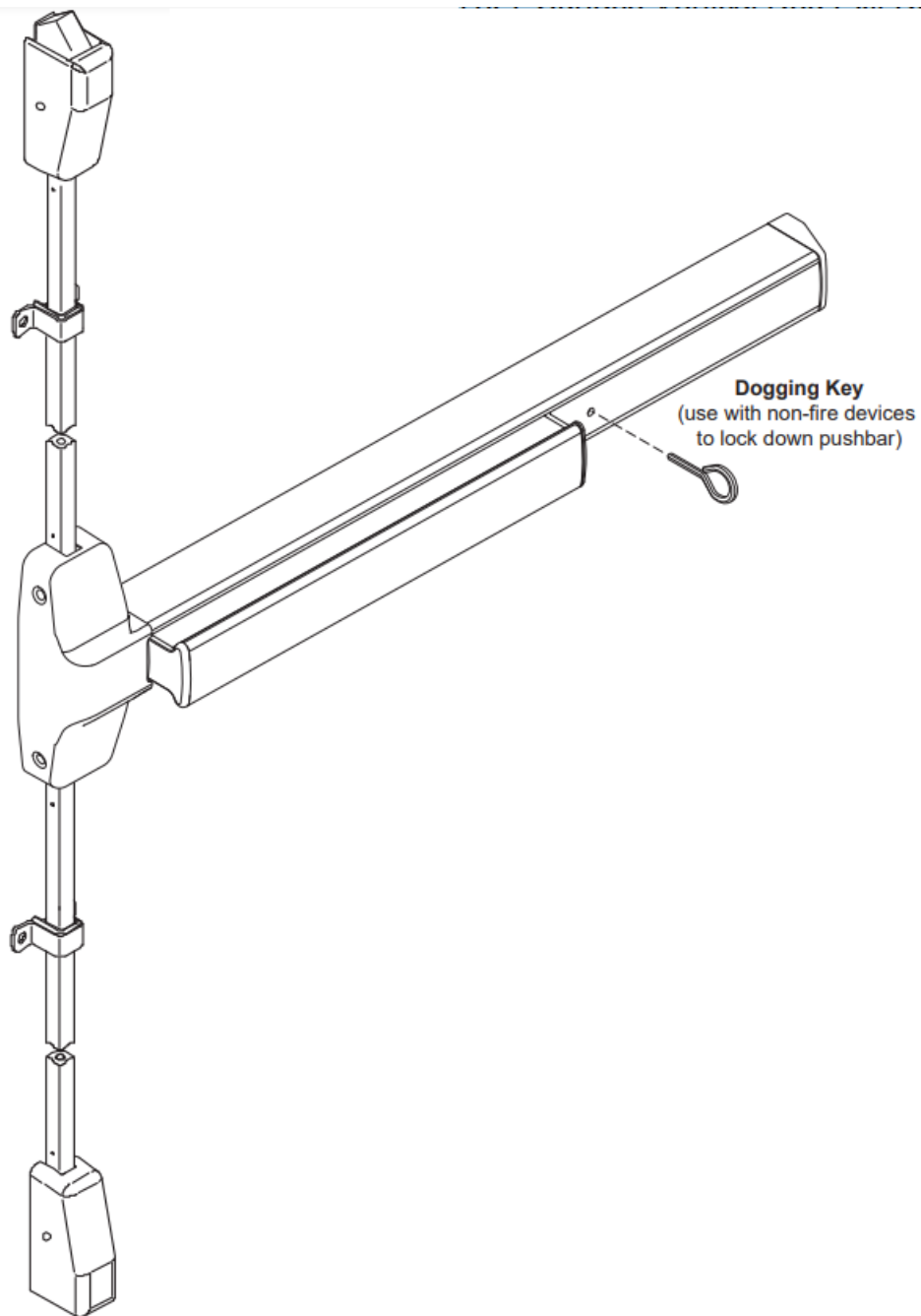
If the device malfunctions or becomes inoperable during an emergency situation, follow the emergency exit procedures defined for your building.

## **Frequently Asked Questions**

- **Q: What should I do if the device is not locking properly?**
  - A: Check the alignment of the device and ensure all components are securely fastened. If the issue persists, contact customer service for assistance.
- **Q: Can I install this device on a metal door?**
  - A: Yes, the device is suitable for installation on both metal and wood doors. Follow the provided instructions for each door type.

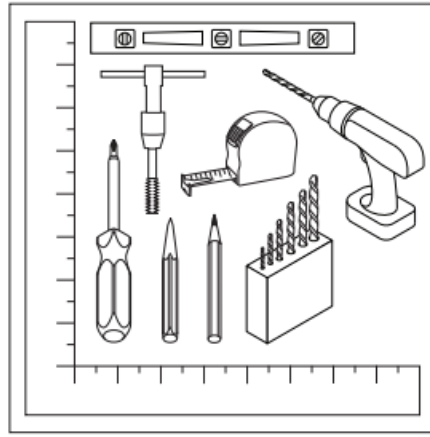
## **Product Information**

Devices covered by these instructions: 7827 Surface Vertical Rod Exit Device 7827-F (Fire) Surface Vertical Rod Exit Device CD7827 (Cylinder Dogging) Surface Vertical Rod Exit Device QEL7827/27-F (Electric Latch Retraction) Surface Vertical Rod Exit Device

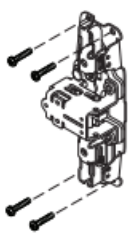











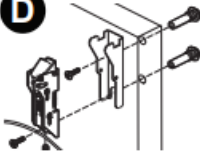




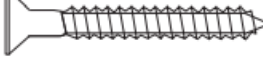












**Special tools needed:**

- 5/64" hex wrench
- #10-24 tap
- Drill bits: #25, 1/8", 1/4", 5/16", 13/32"

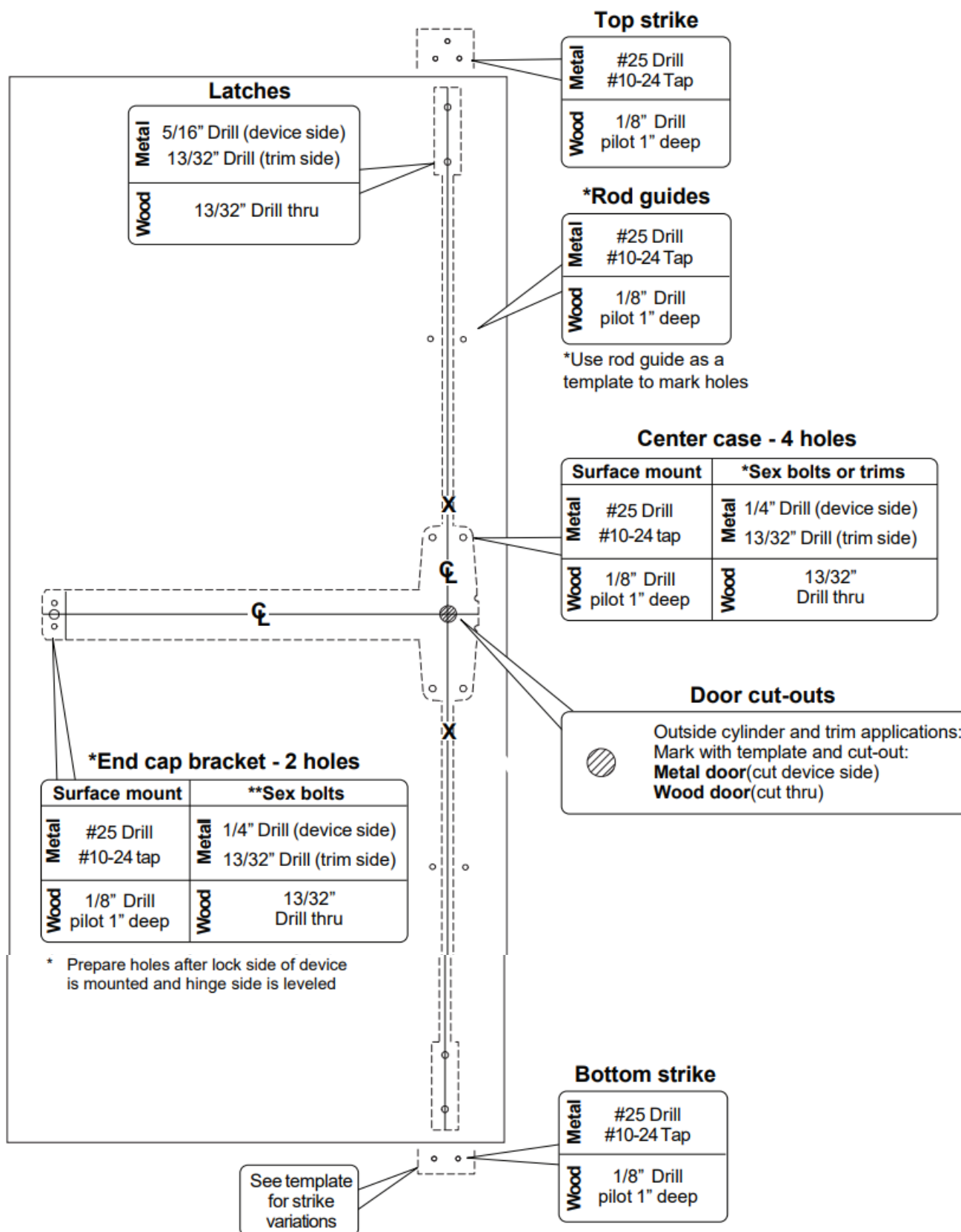


## SCREWCHART

<b>A</b> 	 #10-24 X 1" ————— Surface mount or Sex bolts (1-3/4" door)  #10-24 X 1-1/2" ————— Sex bolts (2-1/4" door)  #10 x 1-1/4" Wood screw ————— Surface mount (wood) <hr/> - Packaged with trim -  #10-24 X 1-3/8" ————— 785 trims (1-3/4" door)  #10-24 X 1-7/8" ————— 785 trims (2-1/4" door)
<b>B</b> 	 #10-24 X 3/4" ————— Surface mount or Sex bolts (1-3/4" door)  #10-24 X 1-1/8" ————— Sex bolts 2-1/4" door  #10 x 1-1/4" Wood screw ————— Surface mount (wood)
<b>C</b> 	 #10-16 x 3/8" Thread cutting ————— End cap
<b>D</b> 	 1/4-20 X 3/4" ————— 1-3/4" door  1/4-20 X 1-1/4" ————— 2-1/4" door
<b>E</b> 	 #10-24 X 3/4" ————— Metal frame  #10 x 1-1/2" Wood screw ————— Wood frame
<b>F</b> 	 #10-12 x 10-24 x 1-1/4" Combination — Metal or wood frame
<b>G</b> 	 #10-12 x 10-24 x 1-1/4" Combination — Variable floor surfaces
<b>H</b> 	 #8-32 X 1/4" ————— Latch covers
<b>I</b> 	 #10-12 x 10-24 x 1" Combination — Metal or wood door
<b>J</b> 	 #8-18 x 3/8" Thread cutting ————— Center case cover

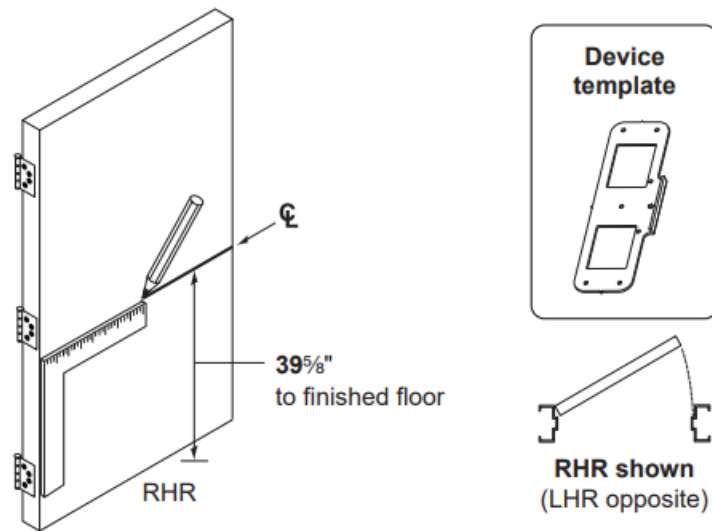
## PREPARATIONCHART

Go to instructions on next page before using the Preparation Chart

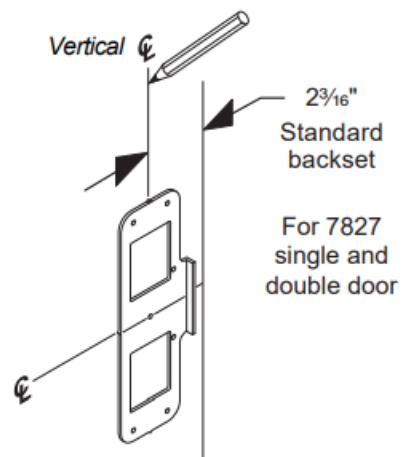


## Installation Instruction

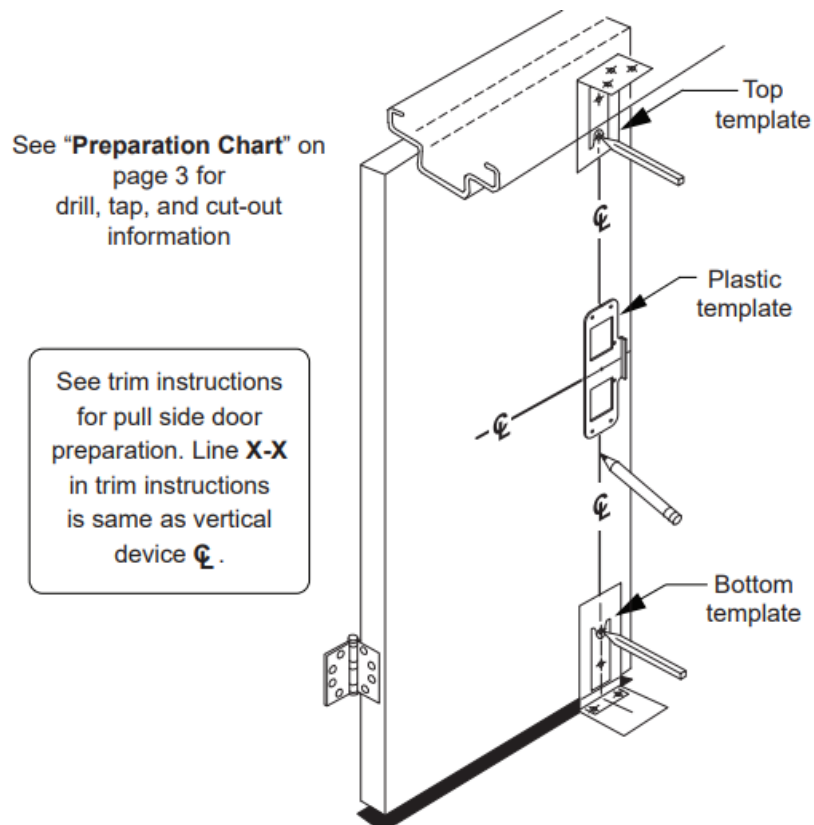
1. Draw Horizontal Center Line (⌀) and Assemble Device Template



## 2. Position Template as Shown and Mark Vertical



## 3. Align Top and Bottom Templates Along and Prepare Door

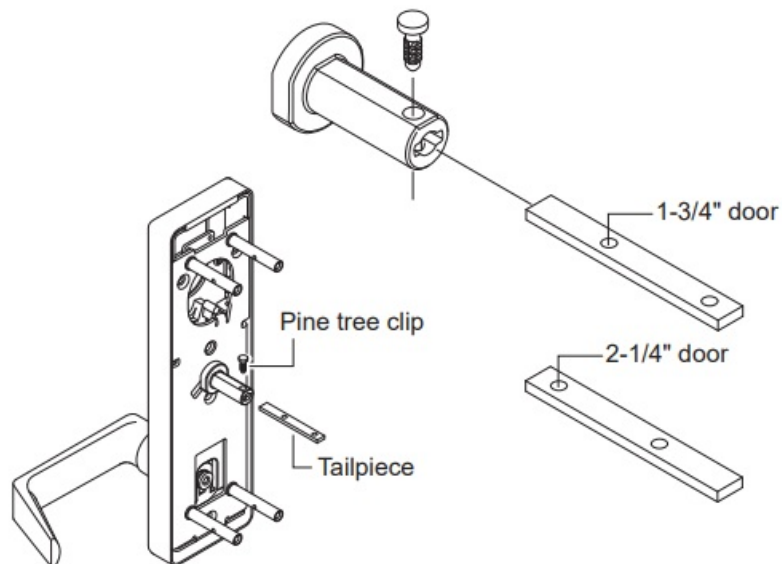


## 4. Adjust Tailpiece if Needed

Make sure tailpiece is installed at correct length for 1-3/4" thick or 2-1/4" thick door. If necessary, remove pine

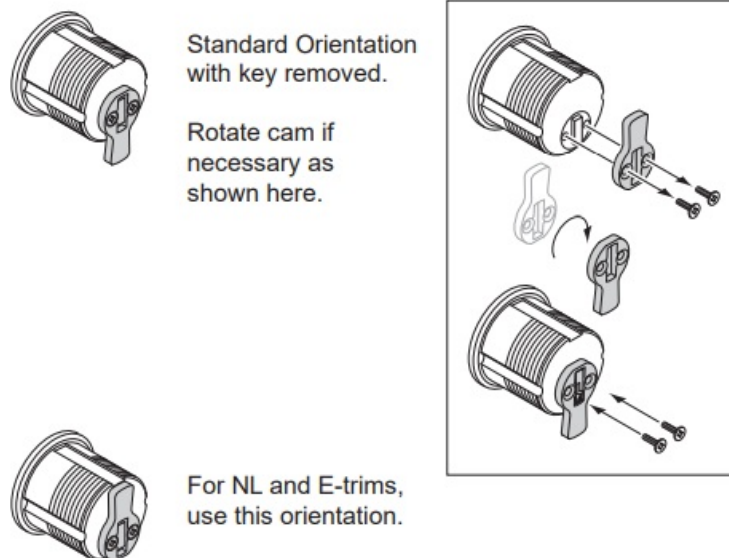


tree clip, rotate tailpiece, and reinstall pine tree clip.

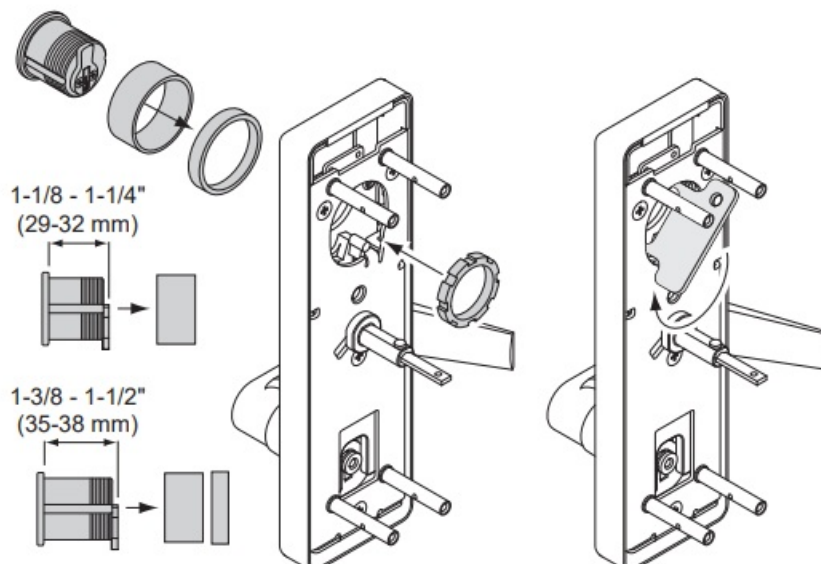


##### 5. If Using a Cylinder, Remove Cam and Rotate 180°

Cam must be in position shown with key removed. If necessary, remove cam screws, place cam in correct position, and reinstall cam screws.

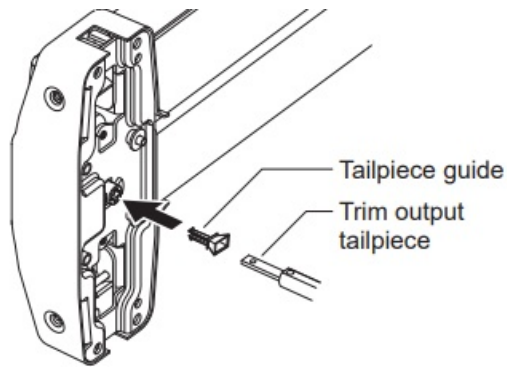


##### 6. If Necessary, Install Cylinder

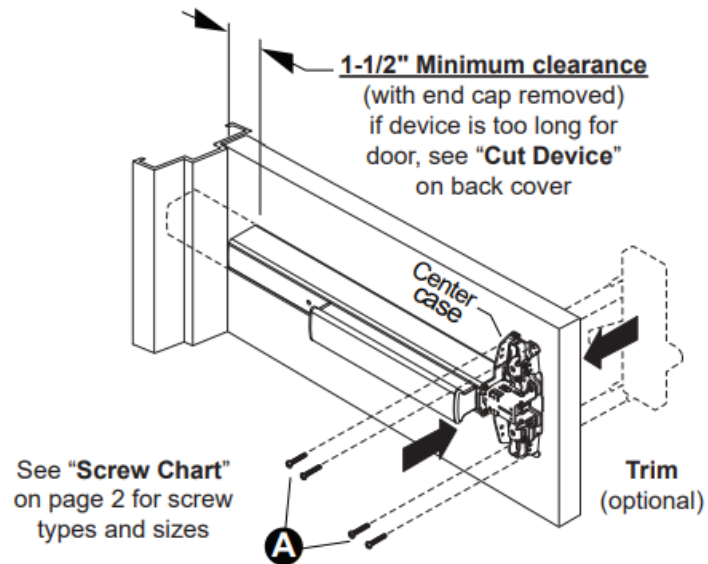


##### 7. If Using a Cylinder with a Tailpiece, Prepare Device and Cylinder

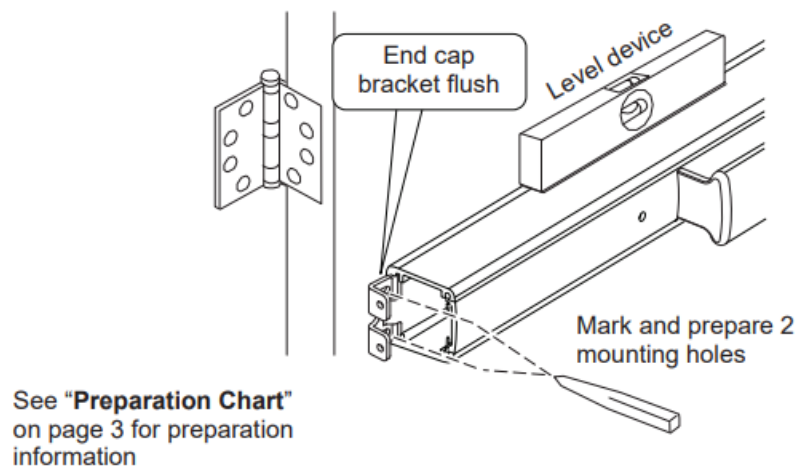
- a. Install tailpiece guide.



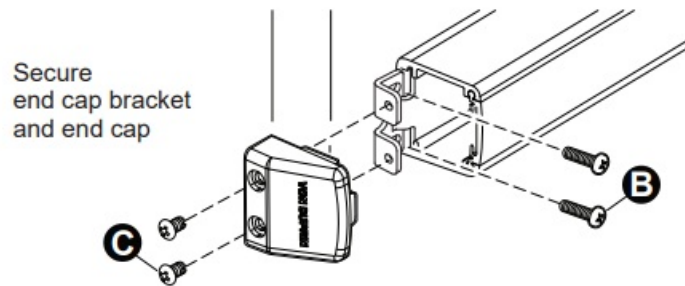
8. Install Trim (if using) and Secure Device Center Case to Door



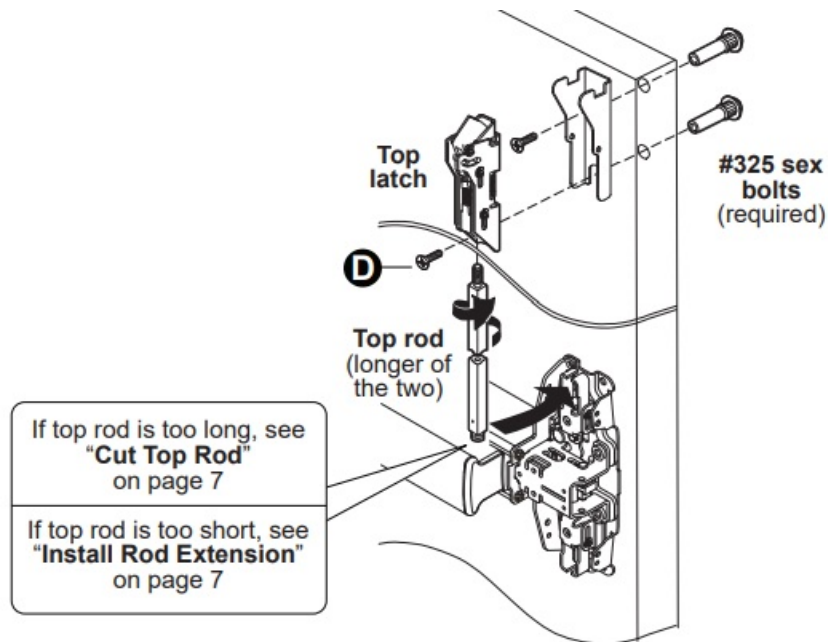
9. Mark and Prepare 2 Holes for End Cap Bracket



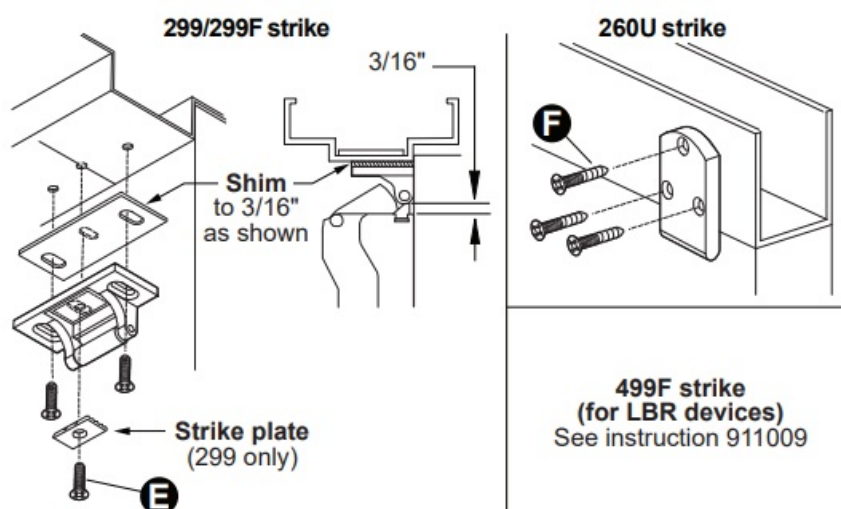
10. Install End Cap Bracket and End Cap



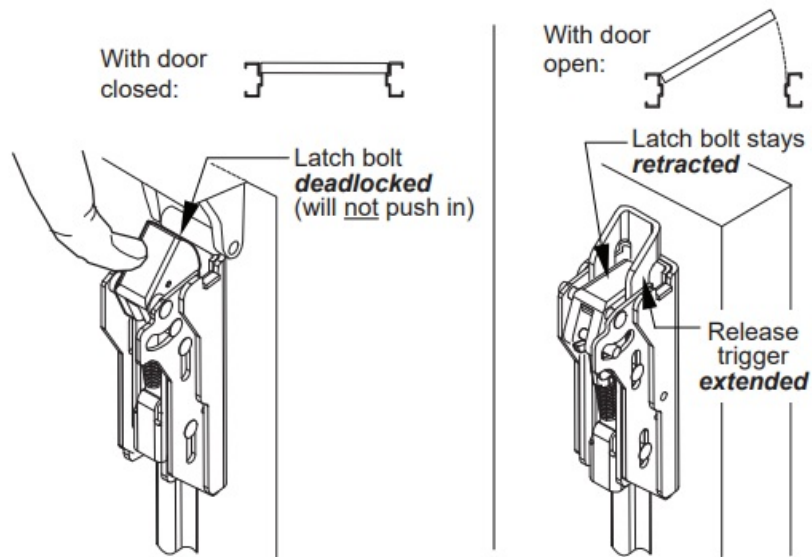
## 11. Install Top Latch and Rod



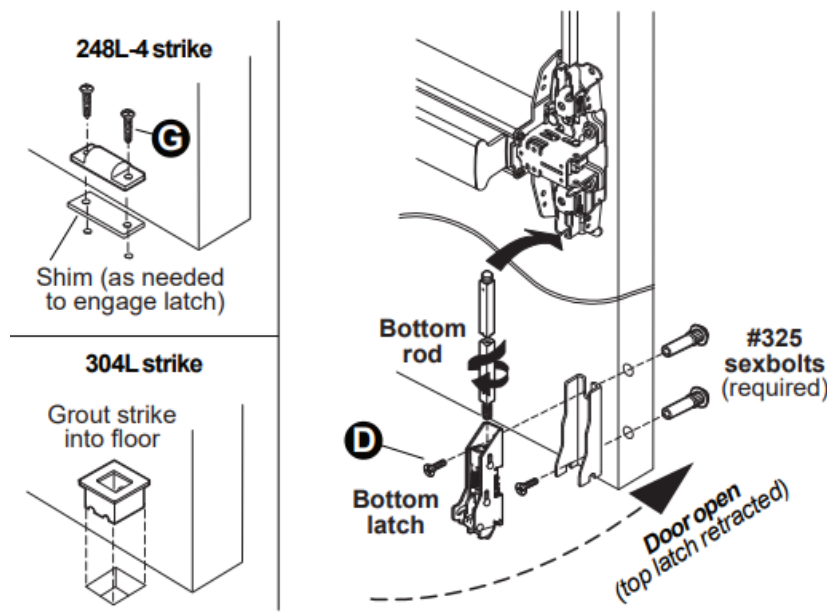
## 12. Install Top Strike



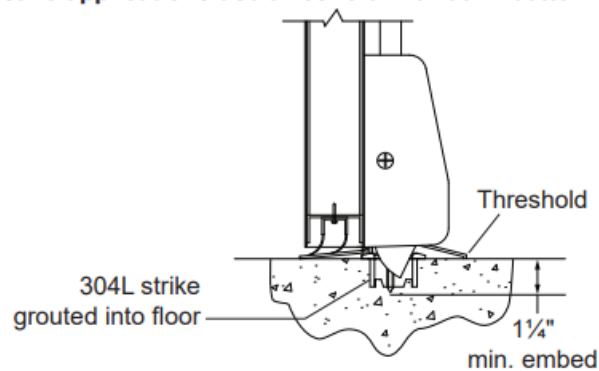
## 13. Adjust Top Rod (Screw Rod Into or Out of Latch) Until Adjusted as Shown



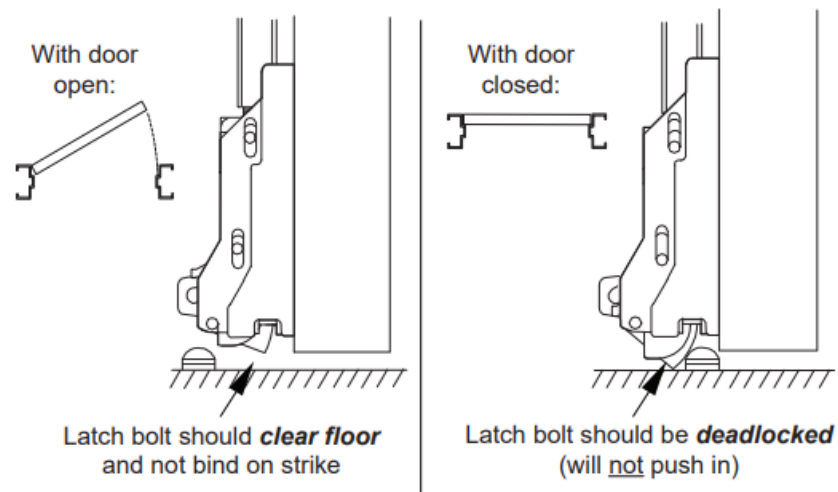
#### 14. Install Bottom Strike, Latch, and Rod



Hurricane applications use threshold with 304L bottom strike

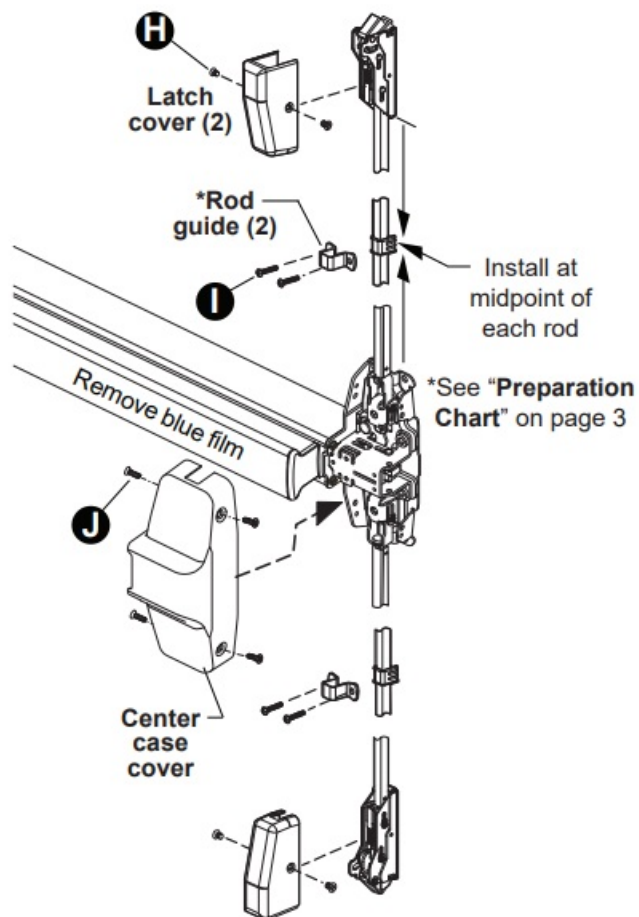


#### 15. Adjust Bottom Rod with Door Open (Top Latch Retracted)



Open and close door a few times and check for deadlatching when door is closed. Readjust rods if needed.

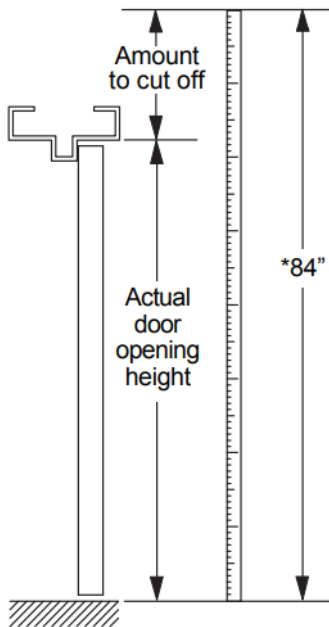
## 16. Install Rod Guides and Covers



## CUT TOP ROD

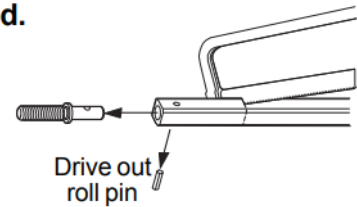
### 1. Measure amount to cut off rod as shown below.

Note: Rod cutting is required for doors shorter than 7'.

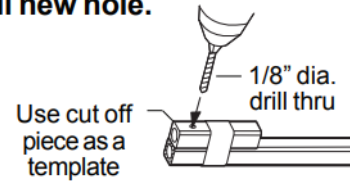


\*Rods are factory sized for 7' (84") door. Measure actual door opening height and subtract that number from 84" to get amount to cut off top rod.

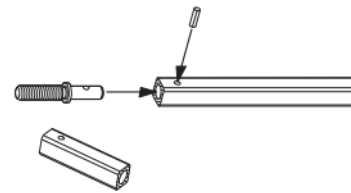
### 2. Cut rod.



### 3. Drill new hole.

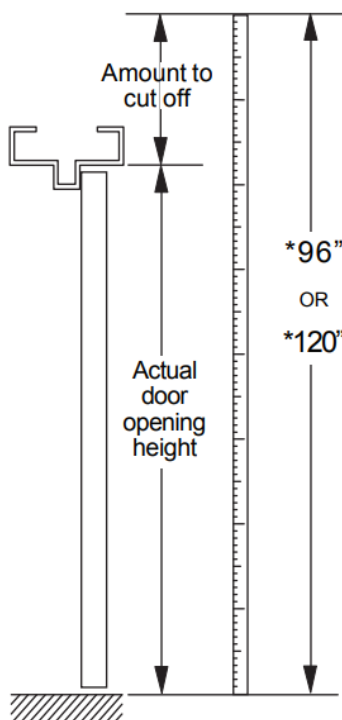


### 4. Reinstall rod end and roll pin.



## INSTALL ROD EXTENSION

### 1. Measure door opening to determine amount to cut off rod extension.

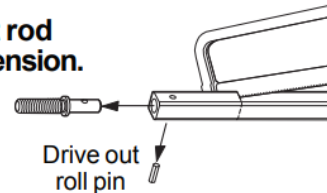


#### \*Standard door heights:

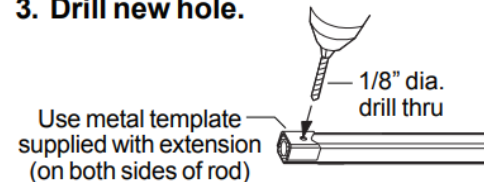
With no extension	7' (84")
With 1' extension	8' (96")
With 3' extension	10' (120")

\*Rods are factory sized for door heights shown above. Measure actual door opening height and subtract that number from 96" (for 1' extension) or 120" (for 3' extension) to get amount to cut off extension.

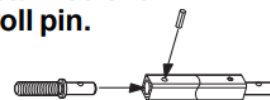
### 2. Cut rod extension.



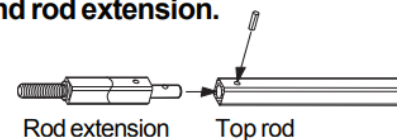
### 3. Drill new hole.



### 4. Reinstall rod end and roll pin.



### 5. Connect top rod and rod extension.

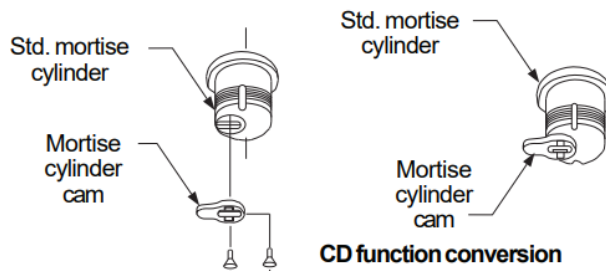


## CD (CYLINDER DOGGING)



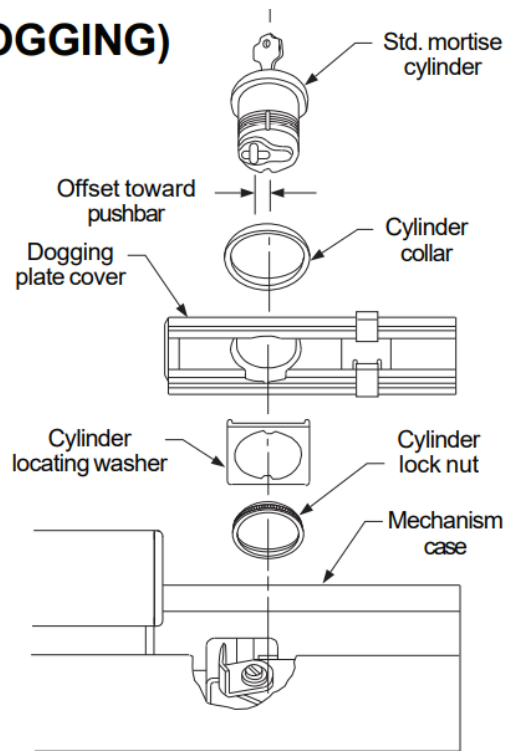
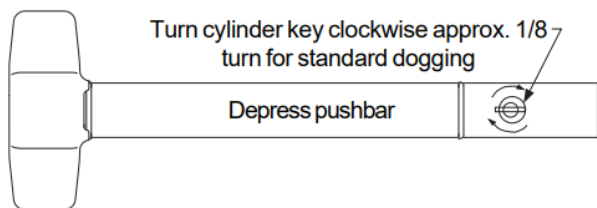
## CD (CYLINDER DOGGING)

1. Remove mortise cylinder cam and reinstall in reverse (Figure 1).
2. Insert key and rotate cam to install the cylinder to the cover plate (Figure 2).
3. Remove key to slide cover plate in position in the mechanism case.



**Figure 1**

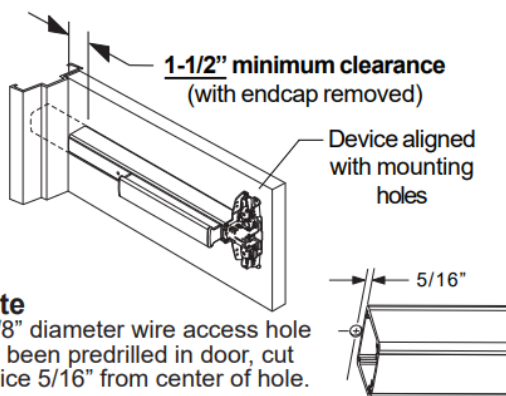
### Dogging procedure



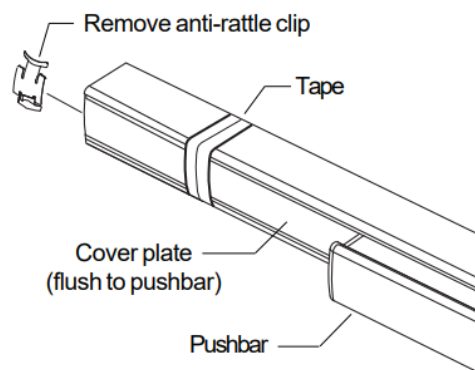
**Figure 2**

## CUTDEVICE

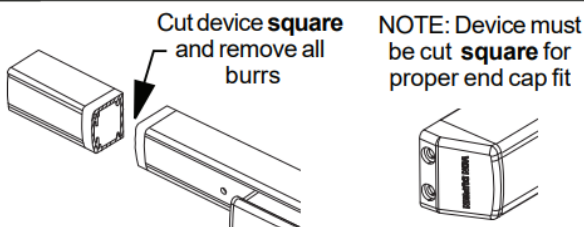
### 1 Measure amount to cut off device.



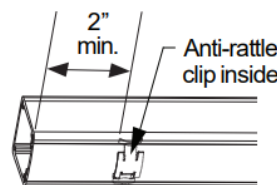
### 2 Tape and mark area being cut.



### 3 Cut device square.



### 4 Slide anti-rattle clip into device.





VON DUPRIN 7827

**VON DUPRIN 7827 Surface Vertical Rod Exit Device** [pdf] Instructions

7827, 7827-F, CD7827, QEL7827-27-F, 7827 Surface Vertical Rod Exit Device, 7827, Surface Vertical Rod Exit Device, Vertical Rod Exit Device, Rod Exit Device, Exit Device, Device

References

- [Allegion US | Redefining Access Control & Commercial Security](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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