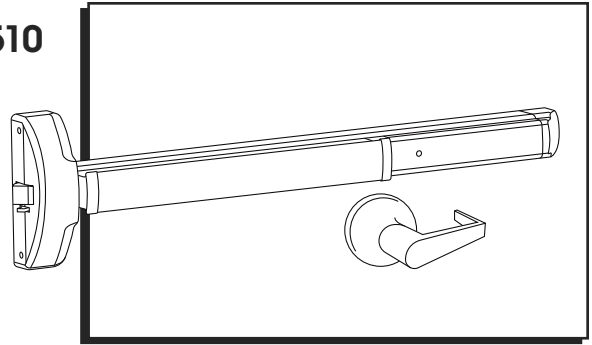



ULINE H-12830, H-12831



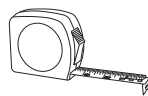
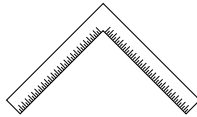
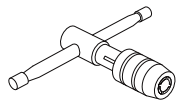

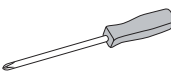
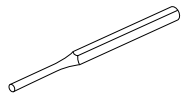
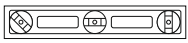
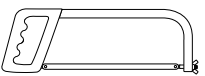

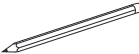
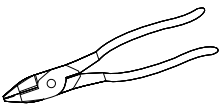


ACCENTRA EXIT DEVICE
NON-LOCKING/LOCKING

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 Two Person Assembly Recommended

TOOLS NEEDED

- | | | | | |
|--|--|---|---|---|
| 
1/8" Allen Wrench
(included) | 
Drill | 
Tape Measure | 
Square | 
Tap Wrench |
| 
Metal File | 
Phillips
Screwdriver | 
Center Punch | 
Level | 
Hacksaw |
| 
Masking Tape | 
Pencil | 
Pliers | 
3/8" Drill Bit
1/2" Drill Bit | 
5/32" Drill Bit
7/32" Drill Bit |

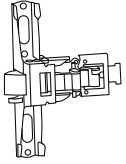
METAL DOOR INSTALLATION

- | | | |
|--|---|--|
| 
#7 Drill Bit | 
#10-24 Tap | 
2 1/8" Carbide Grit
Hole Saw |
| 
#25 Drill Bit | | |
| 
#26 Drill Bit | | |

WOODEN DOOR INSTALLATION

- | | |
|--|--|
| 
1 1/64" Drill Bit | 
2 1/8" Forstner Bit |
|--|--|

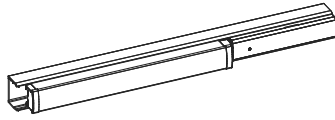
PARTS



Center Case x 1



Center Case Cover x 1



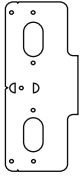
Mechanism Case x 1



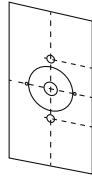
End Cap Bracket x 1



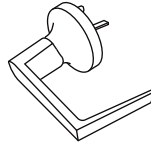
End Cap x 1



Plastic Template x 1



Trim Template x 1



Non-Locking Trim x 1
(H-12830)

or



Locking Trim x 1
Keys x 2
(H-12831)



Strike x 1



Shim x 2



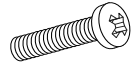
Locking Plate x 1



Dogging Key x 1



#8-32 x 1/4" Flathead
Undercut Machine Screw x 1



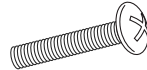
1/4-20 x 1" Phillips Pan Head
Machine Screw x 4



#10-24 x 1/2" Phillips
Round Head
Machine Screw x 2



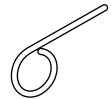
#10-24 x 3/4" Phillips
Flathead
Machine Screw x 3



#10-32 x 2" Truss
Machine Screw x 2



#10 x 1 1/4" Phillips
Flathead
Wood Screw x 4



Handle Removal Tool x 1

SAFETY



Follow all cautions, notes and warnings presented in these instructions.



CALIFORNIA WARNING: This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. See www.P65Warnings.ca.gov



WARNING! Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and Uline makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

SETUP

- Unpack and verify components received using the parts list and exploded view.
- Read all instructions before installing this device.



IMPORTANT! Verify the door, function, finish and size before installation. This device is designed only for new 30" or 36" metal or wood, pre-drilled, free-swinging doors.

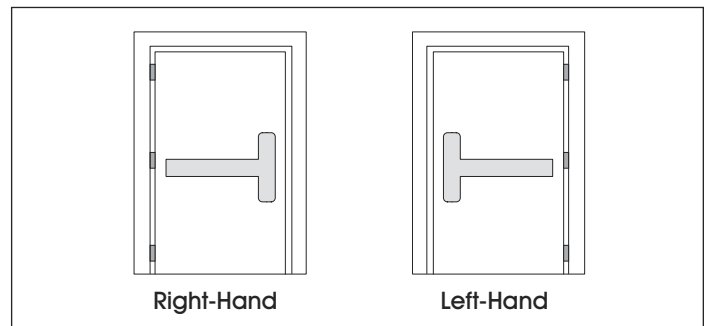
- Ensure door is plumb and level. Check that the hinges are secure and not missing hardware.
- Door must swing freely.
- Door must be free of raised projections.
- Fully open the doors to ensure doors do not hit floor as they swing.
- Determine if door is reinforced. Doors and frame thickness must have three full screw threads to be considered reinforced.



H-12830 Non-locking trim is shown throughout instructions. Assembly is identical for H-12831 Locking trim.



Right-hand installation is shown throughout instructions.



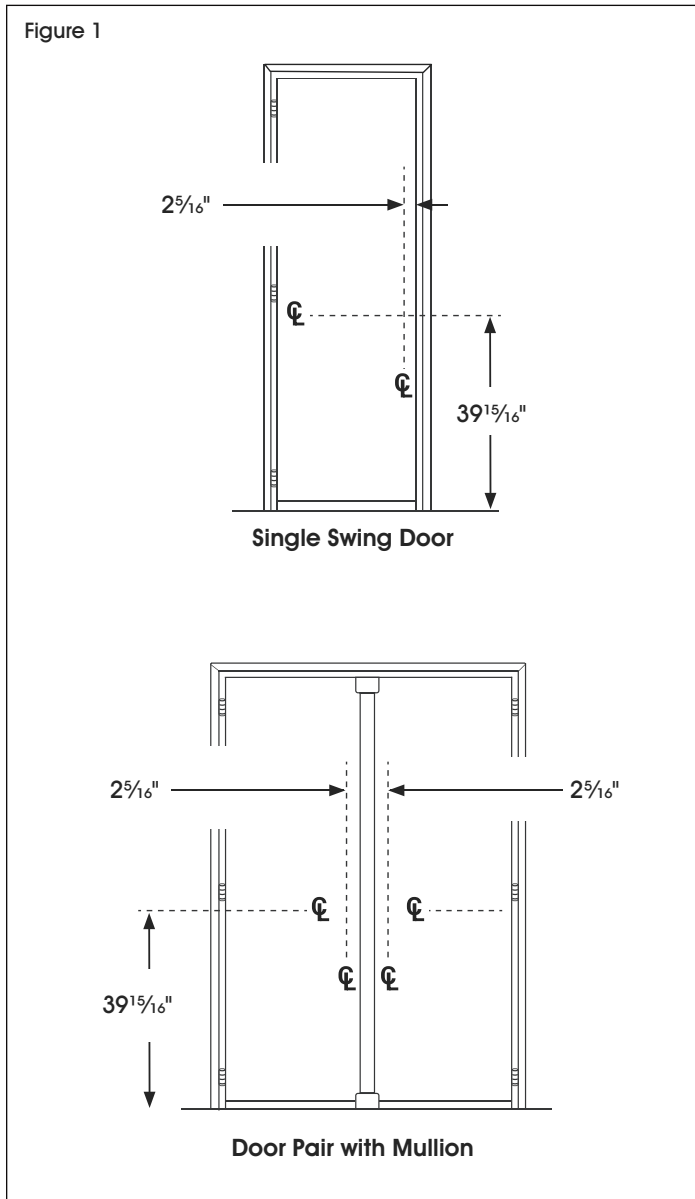
INSTALLATION

DOOR AND FRAME PREPARATION

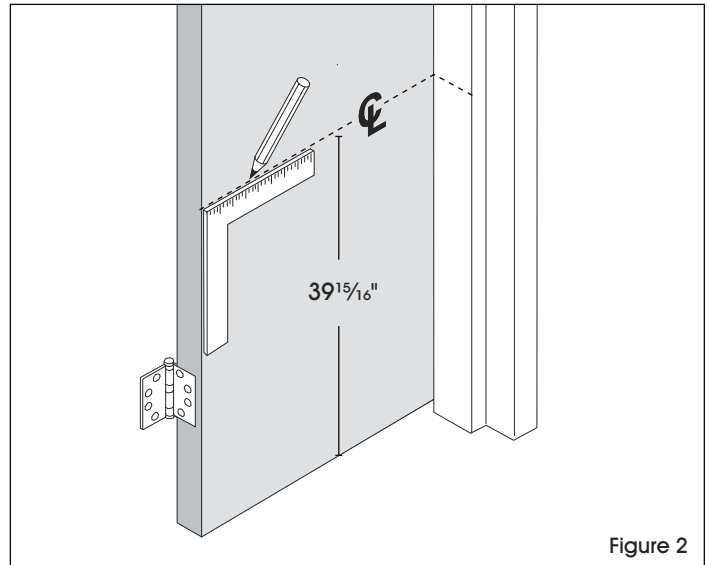
1. With door closed, locate and mark horizontal centerline (☒) and vertical centerline (☒). (See Figure 1)

 **NOTE:** Standard rail centerline height is $39\frac{15}{16}$ " above the finished floor.

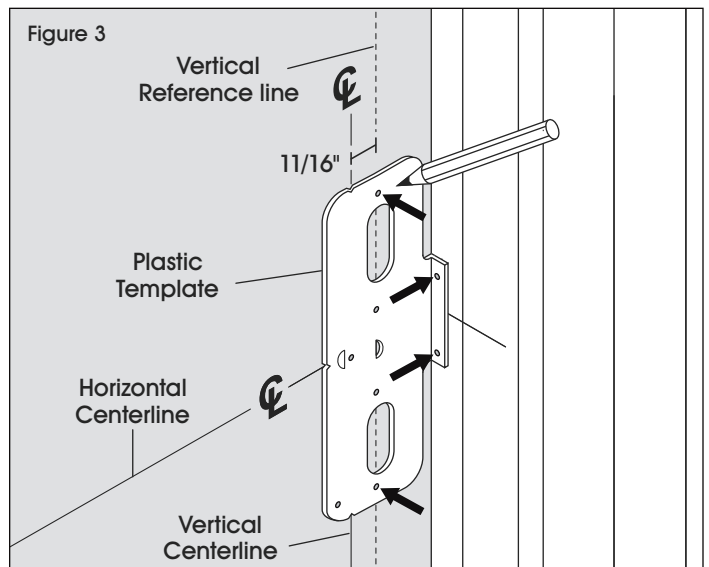
 **NOTE:** If factory prepared cutouts with field drilled mounting holes are in the door, skip to step 7.



2. Mark the horizontal centerline $39\frac{15}{16}$ " from finished floor. (See Figure 2)



3. With the door closed, position the plastic template on door and frame. Align horizontal notch on template with the horizontal centerline. Locate vertical reference notches. Measure $11/16$ " toward the edge of the door. This is the vertical reference line for the device and should pass through the two holes on the template.
4. Mark the door and frame according to the plastic template. (Figure 3)



INSTALLATION CONTINUED

- Drill and tap holes at previously marked locations for the center case and strike. (See Figure 4)

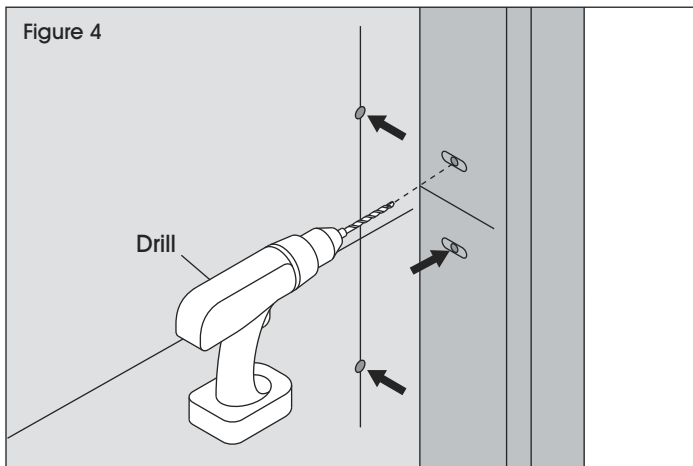


IMPORTANT! For drill/bit information, see table below.

HOLE	DOOR/FRAME	FASTENER	PREPARATION
CENTER CASE	Metal Reinforced	1/4"-20 x 1" Phillips Pan Head Machine Screw	Drill: #7 Tap: 1/4-20
	Solid Hardwood	10 x 1 1/4" Phillips Flathead Wood Screw	Pilot Hole: 11/64" 1 1/4" deep
STRIKE	Metal Reinforced	#10-24 x 3/4" Phillips Flathead Machine Screw	Drill: #26 Tap: #10-24



NOTE: Unreinforced frames (total wall thickness less than 1/8") require 10-24 blind rivet nuts (not included) to bolt the strike.



- Remove template when complete.



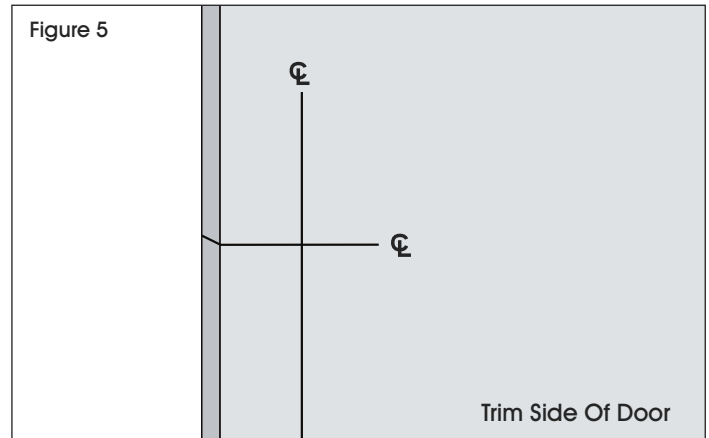
NOTE: Do not install shim on this step.

- Continue the horizontal center line (☉) to the trim side of the door. (See Figure 5)



NOTE: Ensure the centerline is parallel to the edge of the door. Use extra care if door is beveled.

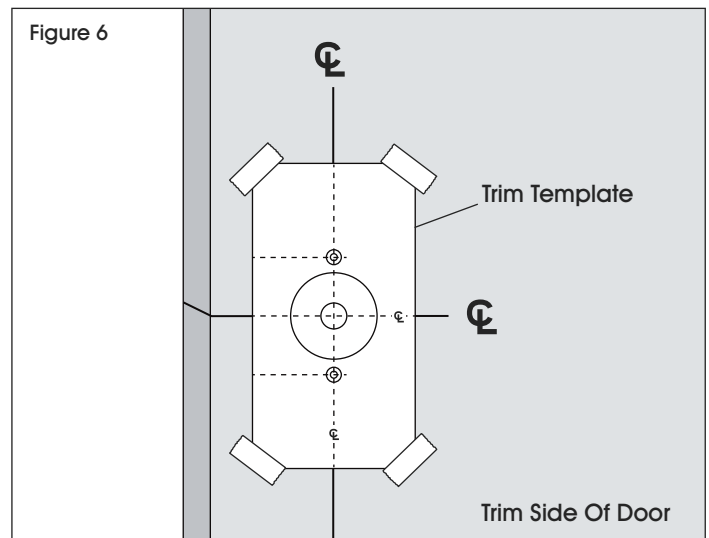
- Transfer the vertical centerline to the trim side of the door. (See Figure 5)



- Align centerlines on paper trim template with centerlines on door. Tape trim template to door when in place. (See Figure 6)



NOTE: Trim template is packaged with handle.



INSTALLATION CONTINUED

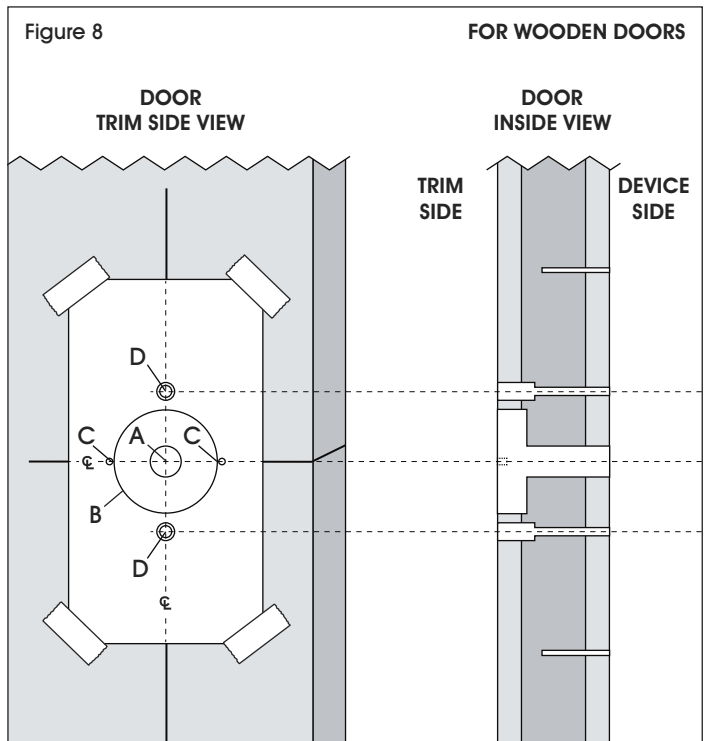
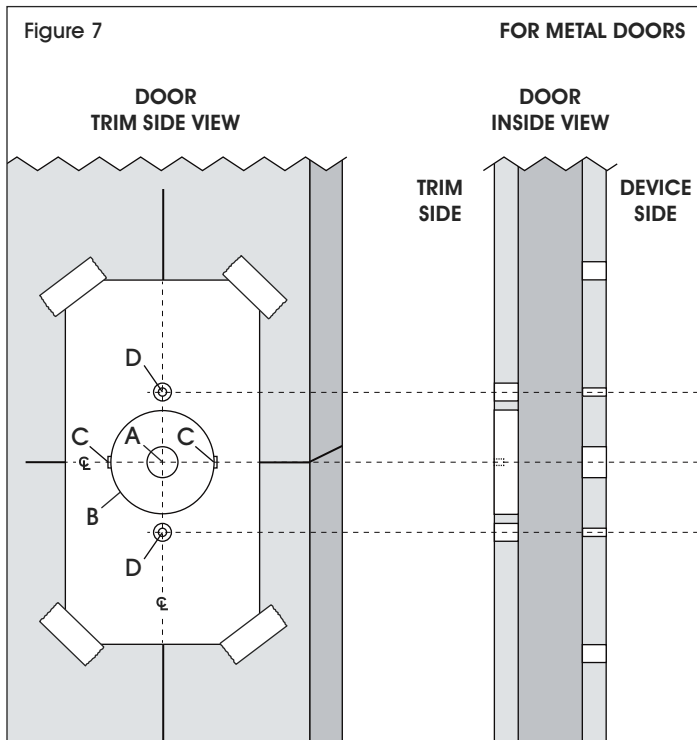
10. Using a center punch, mark the door at specified locations (A, B, C, D) on template. (See Figures 7-8)

For metal doors:

1. Drill through trim side of door with 5/32" drill bit at locations marked "C".
2. Drill through device side of door using 7/32" drill bit at locations marked "D".
3. Drill through trim side of door with 3/8" drill bit at locations marked "D".
4. Drill through trim side of door with 2 1/8" carbide grit hole saw at location marked "B".
5. Drill through device side of door using 1/2" drill bit at location marked "A".

For wooden doors:

1. Drill 1/16" deep on trim side of door with 5/32" drill bit at locations marked "C".
2. Drill through door using 7/32" drill bit at locations marked "D".
3. Drill 1/2" deep on trim side of door with 3/8" drill bit at locations marked "D".
4. Drill 7/8" deep on trim side of door with 2 1/8" Forstner bit at location marked "B".
5. Drill through door using 1/2" drill bit at location marked "A".

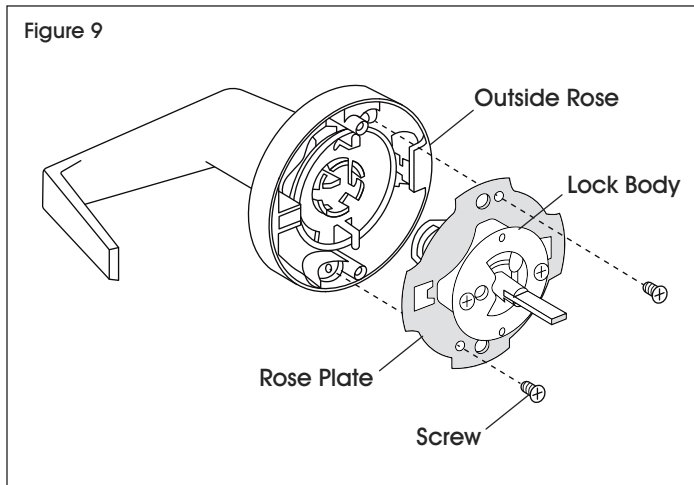


INSTALLATION CONTINUED

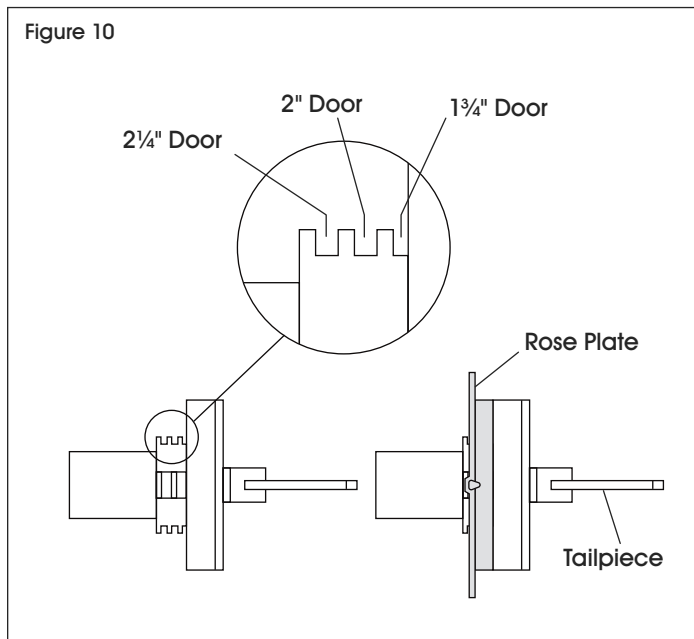
11. If necessary, adjust trim for door thickness.

 **NOTE:** Lock is preadjusted for standard 1 3/4" thick doors.

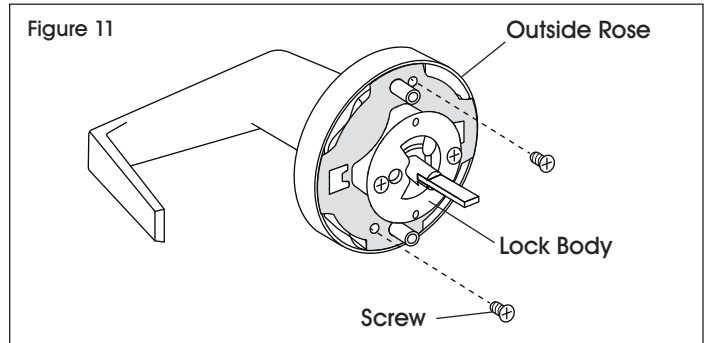
- Remove two screws from outside rose plate. (See Figure 9)
- Slide outside rose away from lock body. (See Figure 9)



- Adjust rose plate to desired door thickness. (See Figure 10)




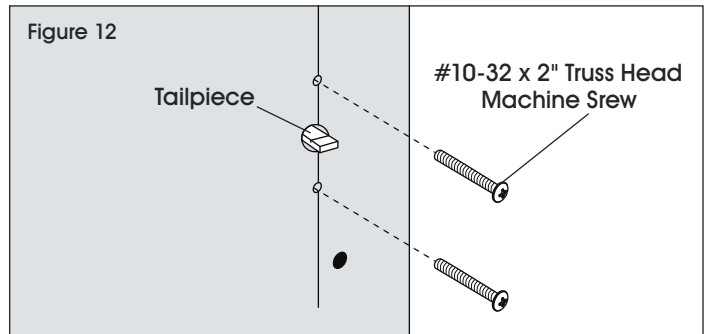
- Refasten outside rose to lock body with two previously removed screws. (See Figure 11)




12. Secure trim through device side of door with two #10-32 x 2" truss head machine screws. (See Figure 12)

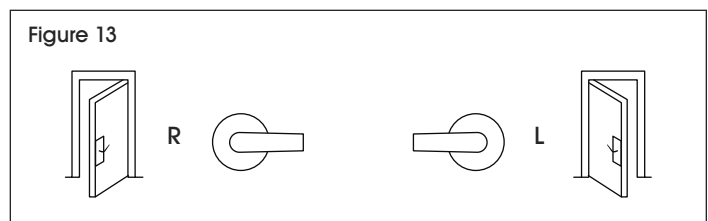
 **NOTE:** Tailpiece should protrude through center hole in door.

 **NOTE:** Non-locking handle comes set up as a fully operational passage handle that will retract the bolt when turned.



 **IMPORTANT!** Handle can be field modified by breaking off the end of the tailpiece at the marked shear line with a pair of pliers so that it does not protrude through the door and engage the device. Once modified, the handle will work as dummy trim and the door can only be opened when the push bar is pressed or has been dogged open.

 **NOTE:** For left-hand installation, rotate assembly 180° before installing. Trim is non-handed. (See Figure 13)



INSTALLATION CONTINUED

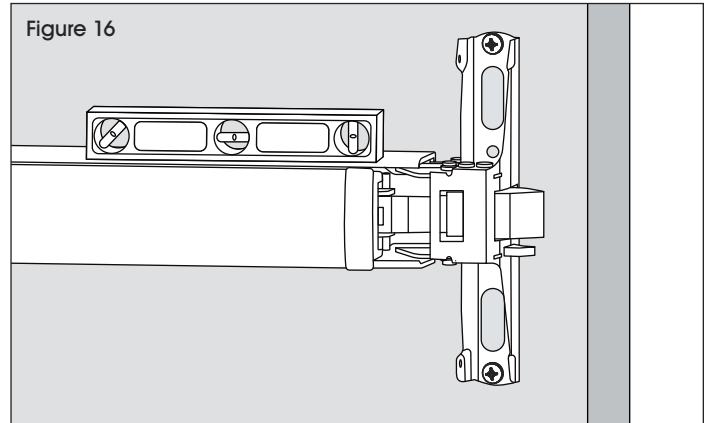
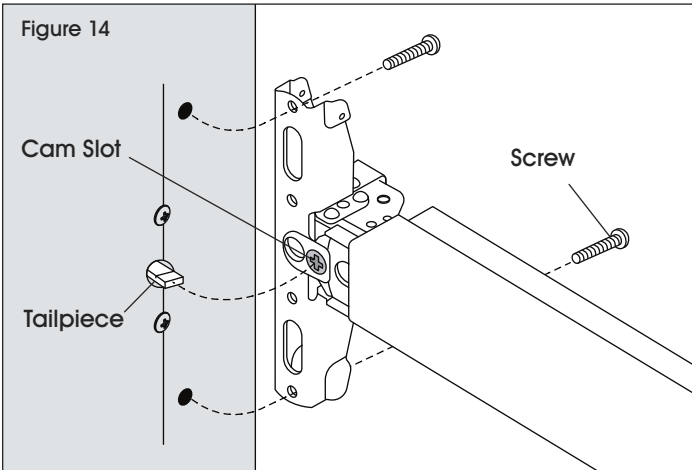
13. Align exit device on door through previously drilled holes. Ensure trim tailpiece fits into cam slot on device. If required, cut trim tailpiece to fit using pliers. (See Figures 14-15)

- a. For metal doors, use 1/4"-20 x 1" Phillips pan head machine screws.
- b. For wooden doors, use #10 x 1 1/4" Phillips flathead wood screws.

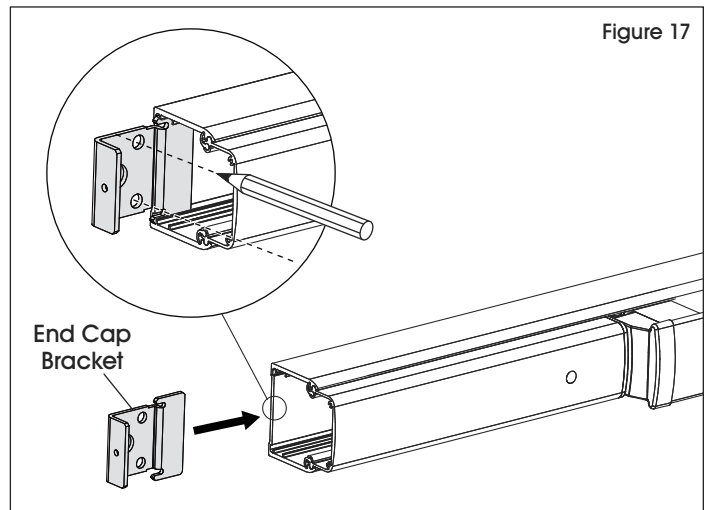
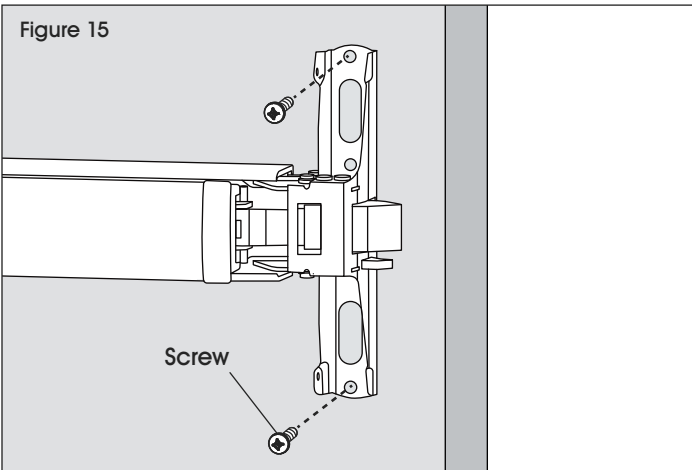


If gap between exit device and door stop (door edge on hinge side of door) is less than 2 7/8", exit device must be cut to size. See Trimming Exit Device on page 11.

14. Once center case screws are installed, use level to ensure exit device is level. (See Figure 16)

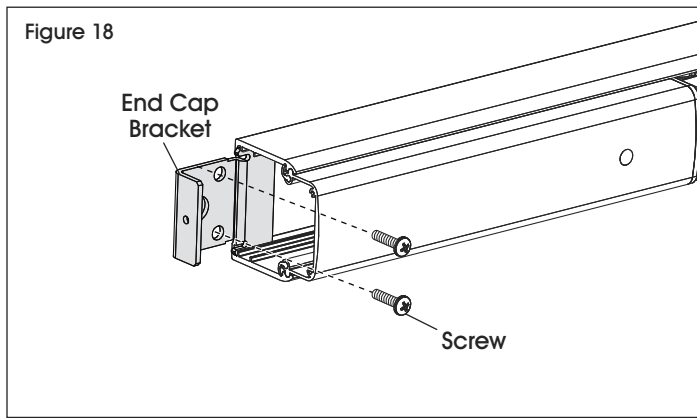


15. With device level, insert end cap bracket into mechanism case. Ensure rear clamp is pushed flush against device. Locate and mark two holes. (See Figure 17)

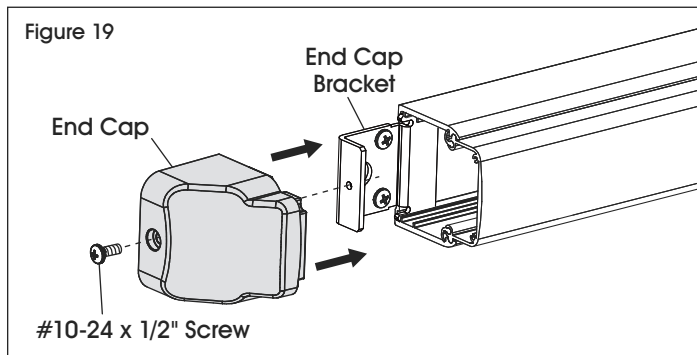


INSTALLATION CONTINUED

16. Remove end cap bracket and drill two holes at previously marked locations.
 - a. For metal doors, use #25 drill bit and #10-24 tap.
 - b. For wooden doors, use 11/64" drill bit and drill pilot hole 1/4" deep.
17. Reinsert end cap bracket into device. Secure end cap bracket with screws. Fully tighten all device screws. (See Figure 18)
 - a. For metal doors, use 1/4-20 x 1" screws.
 - b. For wooden doors, use #10 x 1-1/4" Phillips flathead wood screws.

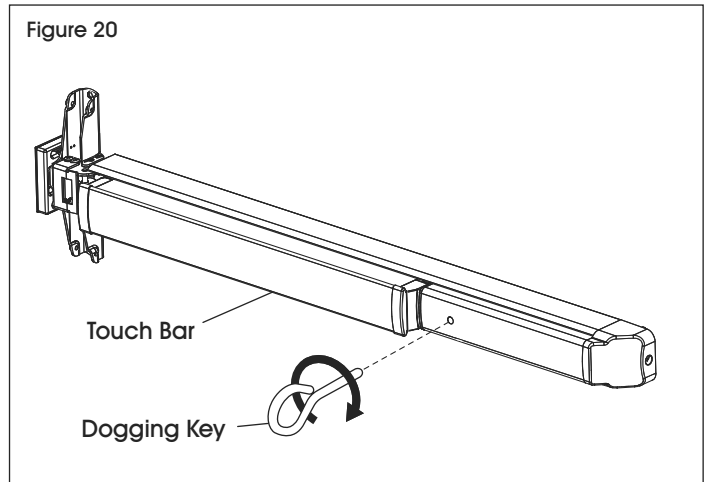


18. Slide end cap over end cap bracket and secure with #10-24 x 1/2" screw. (See Figure 19)




CHECK FOR PROPER FUNCTION

- The latch will retract when the touch bar is pressed. Release and the latch will return to the original position.
- While pressing the touch bar, turn the dogging key clockwise. Release the touch bar and the latch will remain retracted. (See Figure 20)

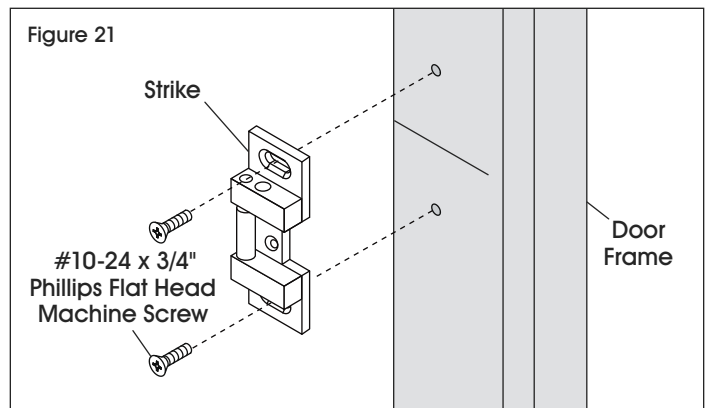


- While pressing the touch bar, turn the dogging key counterclockwise. Release the touch bar and the latch will return to the original position.

 **NOTE:** If operation is faulty, check first for visible binding or interference. If there is no apparent reason for the fault, remove the device from the door and recheck its operation before assuming it is defective.


19. Loosely secure strike with #10-24 x 3/4" Phillips flathead machine screws in previously drilled holes in door frame. (See Figure 21)

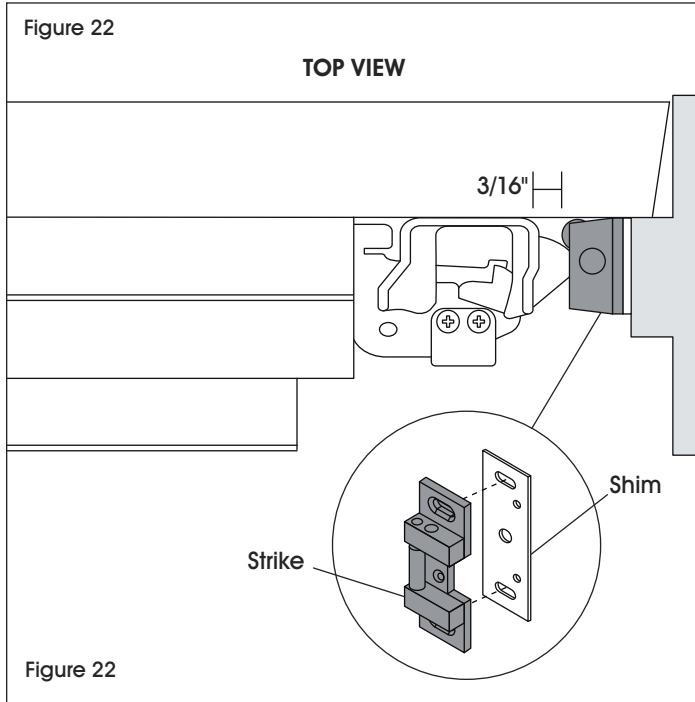
 **NOTE:** Save remaining third screw.



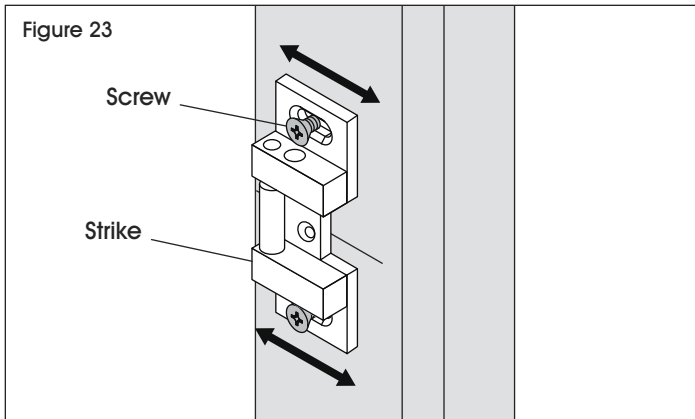
INSTALLATION CONTINUED

20. Close door and check for proper engagement with latch and strike. (See Figure 22)

 **NOTE:** There should be 3/16" of space between strike plate and exit device latch. If there is more than 3/16" gap, include shim plate as needed.



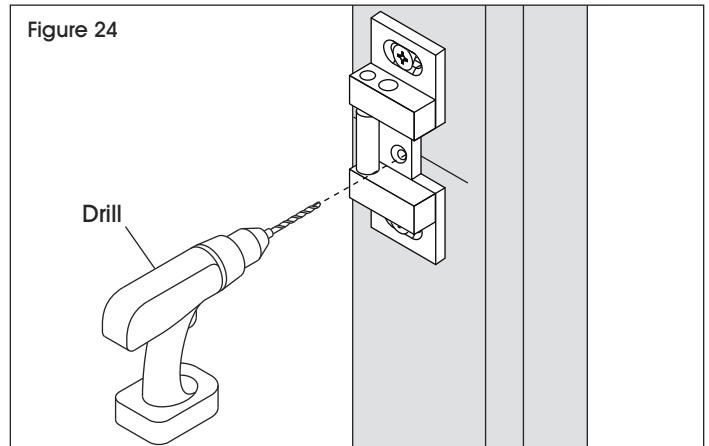
21. Open door and adjust strike depth as needed. Fully tighten screws when done. (See Figure 23)



CHECK FOR PROPER FUNCTION.

- Latch will retract to clear strike when touch bar is pressed.
- Latch will re-engage the strike when touch bar is released and door is shut.
- Door will remain latched and not rattle when pushed, pulled or shaken.
- Once proper engagement is confirmed, fully tighten strike screws.

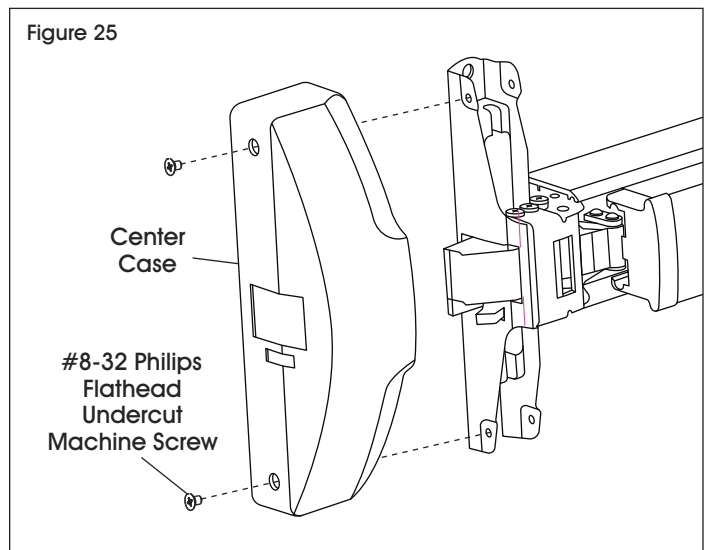
22. Drill, tap and install strike center screw. Use remaining #10 -24 x 3/4" Phillips flathead machine screw from step 14 to secure. (See Figure 24)



23. Check and inspect operation of:

- Trim and device
- Strike plate and latch engagement

24. Secure center case cover with two #8-32 Phillips flathead undercut machine screw. (See Figure 25)



ADDITIONAL INSTRUCTIONS

TRIMMING EXIT DEVICE

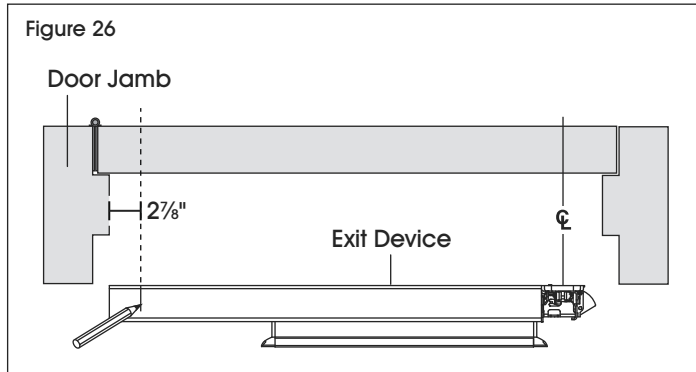
1. Measure a cut line that allows for $2\frac{7}{8}$ " of space between exit device and door jamb. (See Figure 26)



NOTE: Before marking, ensure there is no gap between the end cap and mechanism case when it is in place.

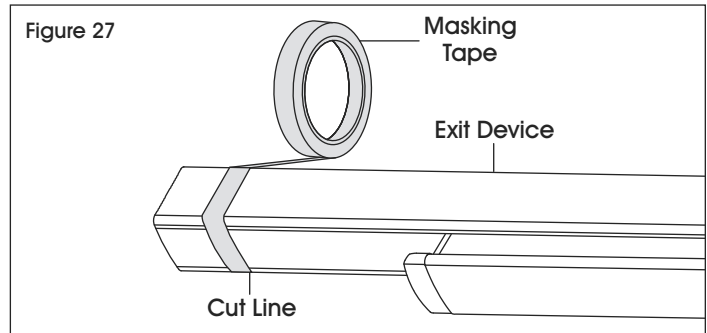


NOTE: Dogging hole must be a minimum of $1\frac{5}{8}$ " away from the cut end of the device.

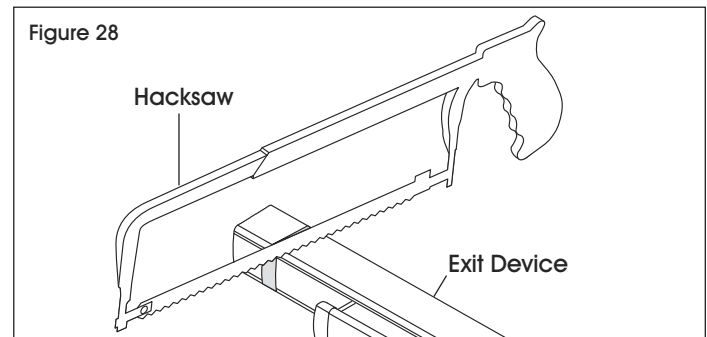


2. Mark proper cut line on all four sides of the exit device in pencil.

3. Align masking tape with the edge of the pencil mark to create a clear cutting guide across each side of the exit device. (See Figure 27)



4. Use a hacksaw to cut the end of the exit device. Use a metal file to remove any burrs. (See Figure 28)



MAINTENANCE

- Periodically remove covers, inspect and coat mechanisms with a silicone base lubricant. This is required for proper functionality in corrosive environments.
- Check mounting fasteners periodically and tighten if loose. Apply screw locking compound or change part fasteners if screws continue to back out.
- Periodic checks (and adjustments) of strikes are required to compensate for wear and tear (e.g. door sagging).

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