

8400/F8400 Surface Vertical Rod Exit Device

Installation instructions

95011760 (1135-31) I8400-14 - 06-2020

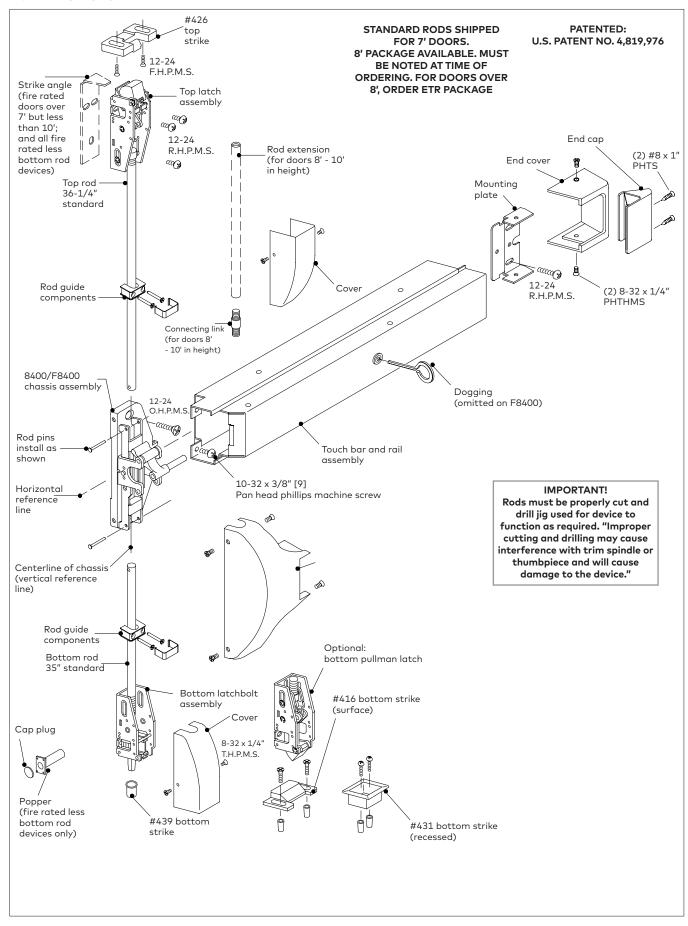


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1.2 Door preparation

NOTE: SURFACE OF DOOR WHERE EXIT DEVICE IS TO BE INSTALLED MUST BE FLAT. PROPER REINFORCEMENT OF DOOR IS ALSO REQUIRED.

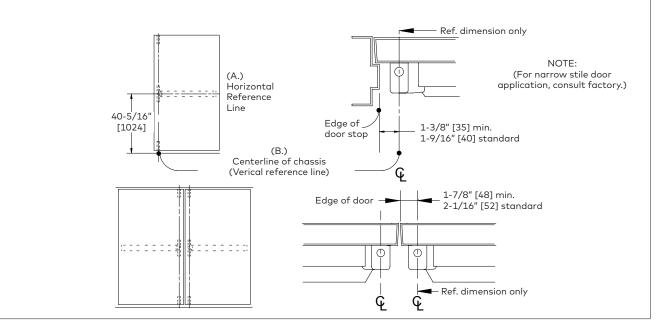
NOTE: BEFORE STARTING INSTALLATION:

- 1. DOOR SHOULD BE FITTED AND HUNG.
- 2. VERIFY DOOR WIDTH WITH BOX LABEL FOR CORRECT LENGTH.
- 1.2.1 Measure and mark horizontal reference line on push size of door. (40-5/16" [1024] from finished floor, recommended.)

For less bottom rod devices delete bottom latch installation steps. Less bottom ord devices should not be used where

security is a primary concern.

1.2.2 Measure and mark the vertical reference line (center line of chassis) on push side of door. (See dimension below.)



1.3 Prepare strike

For exit only device with no outside trim function

- 1.3.1 Remove (2) phillips head screws.
- 1.3.2 Then remove cam bracket assembly.
- 1.3.3 No additional prep required except for mounting holes. (See spotting template)
- 1.3.4 Proceed to step 1.4.

For device using outside trim with rim cylinder

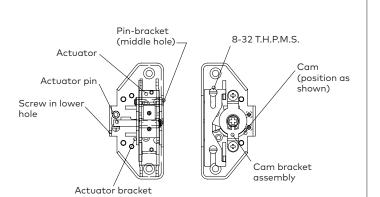
1.3.1 Tailpiece should be trimmed 1/8" [3] to3/16" [5] less than inside face of door.

For device using outside lever trim

1.3.1 See additional instructions packaged in trim carton

For hand reversal:

- 1.3.1 Remove actuator pin
- 1.3.2 Remove pin-bracket
- 1.3.3 Remove actuator
- 1.3.4 Rotate chassis 180 degrees



- 1.3.5 Reinstall actuator & pin-bracket in top hole of bracket
- 1.3.6 Reinsert actuator pin in actuator
- 1.3.7 Rotate cam on rear of chassis 180 degree
- 1.3.8 Move screw to lower hole
- 1.3.9 Reinstall all retaining rings on pins

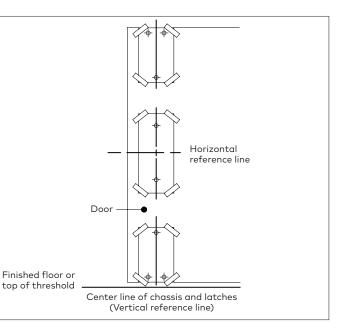
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1.4 Drill door for exit device

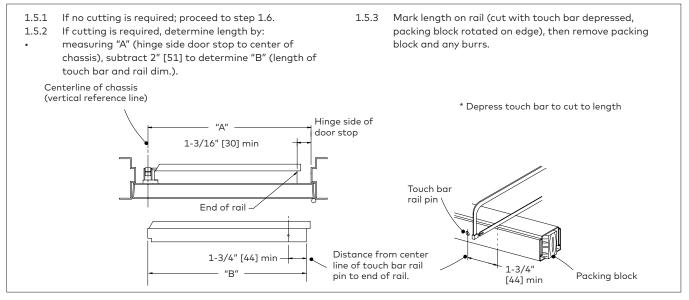
- 1.4.1 Refer to carton label for model and trim numbers before drilling.
- 1.4.2 Prepare door by using the template enclosed (tape to door).
- 1.4.3 Horizontal center line and center line of chassis (vertical reference) on template MUST be on horizontal and vertical reference line on door.

CAUTION: If horizontal center line is not maintained, vertical rods will not fit.

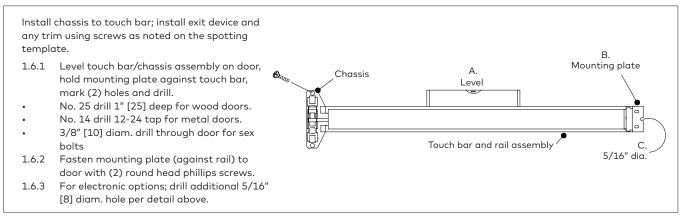
NOTE: Vertical reference line is not centerline of cylinder



1.5 Verify door width



1.6 Install chassis, exit device and trim



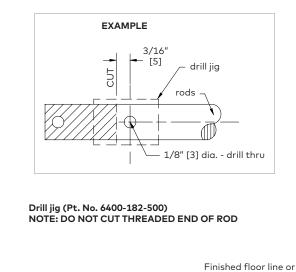
Install covers, end cap, end cover 1.7

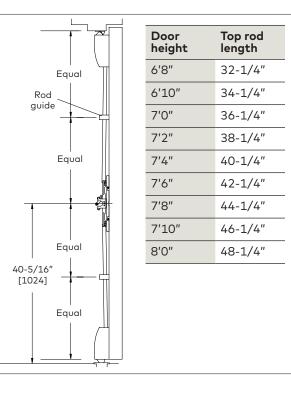
- 1.7.1 Install top and bottom latch cases using screws as noted on the spotting template.
- 1.7.2 Install strike angle behind top latch and fire rated less bottom rod devices or fire doors over 8 foot.
- 1.7.3 Install top and bottom strikes using fasteners as noted on the spotting template.

NOTE: If installing less bottom rod units on fire rated doors, additional popper must be used. See instruction sheet packed with popper for installation.

1.8 Verify door height

- 1.8.1 If cutting rod is required, do not cut threaded end.
- 1.8.2 Use drill jig supplied as guide to redrill holes.
- 1.8.3 Install rod guides as shown.





1.9 Latches

1.9.1	Install threaded ends of rods to top and bottom latches.	1.9.8	* Feel to see if bottom of latchbolt is flush across
100			cover. If so, install cover. If not, remove pin, then
1.9.2	Install top and bottom latch covers with (4) No.		lengthen or shorten rod as required until latchbolt
100	8-32 truss head phillips machine screws.		is flush. Reinstert pin and secure by installing cover.
1.9.3	Install rod guides over rods. Secure rod guides to	1.9.9	Depress tripping lever allowing latches to extend.
	door equal distance between top and bottom	1.9.10	Depress touch bar slowly. Release touch bar,
	latches and chassis. (See step 1.8 above.) Use No.		latches should remain retracted, being held by
	30 drill for (4) #8 x 2" [25] F.H.P.T.S.		tripping lever. Both latch bolts should be flush
1.9.4	Push upward on top rod allowing top latch bolt to		across covers. Bell crank should travel full length of
	retract and be captured by tripping lever fully.		slot. (See Sec. A.) If outside trim is used check to
1.9.5	Depress and hold touch bar to hold actuator fully		ensure its function at this time.
	upward.	1.9.11	Adjust strikes if necessary.
1.9.6	Rotate rod right (clockwise) to shorten and left	1.9.12	* Omit Step 1.9.7 and 1.9.8 when installing less
	(counter-clockwise) to lengthen until hole in rod		bottom rod device (LBR).
	aligns with hole in top of bell crank. Insert rod pin.		IMPORTANT:
	Do not bend, pin will be captured by cover once		Bellcrank MUST → travel full length
	installed. Release touch bar.		of slot.
1.9.7	* Lift up on bottom rod and align hole in rod and		
	bell crank. Insert pin only.		
			Pin-bracket
			Section "A"

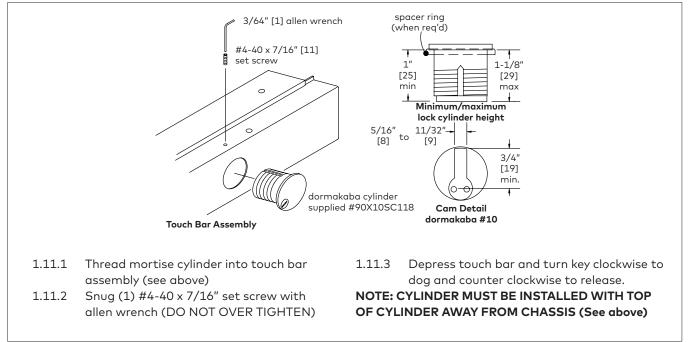
top of threshold

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1.10 Install chassis cover

Install chassis cover, latch covers and endcover using (10) 8-32 x 1/4" [6] THPHMS and end cap with (2) #8 x 1" [25] PHFHTS screws.

1.11 OPTIONAL: Cylinder dogging



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