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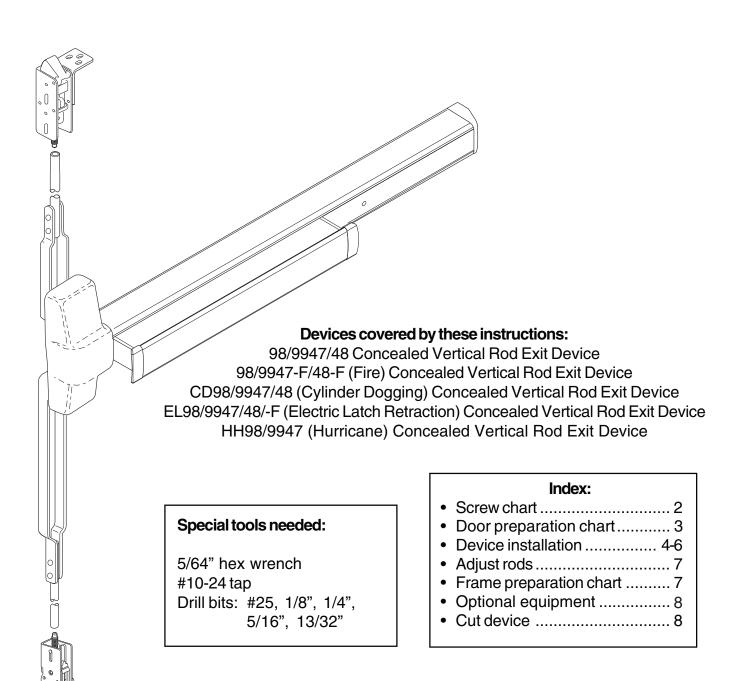
98/9947

VON DUPRIN®

911376-00

Concealed Vertical Rod Exit Device Metal Door Applications

Installation Instructions

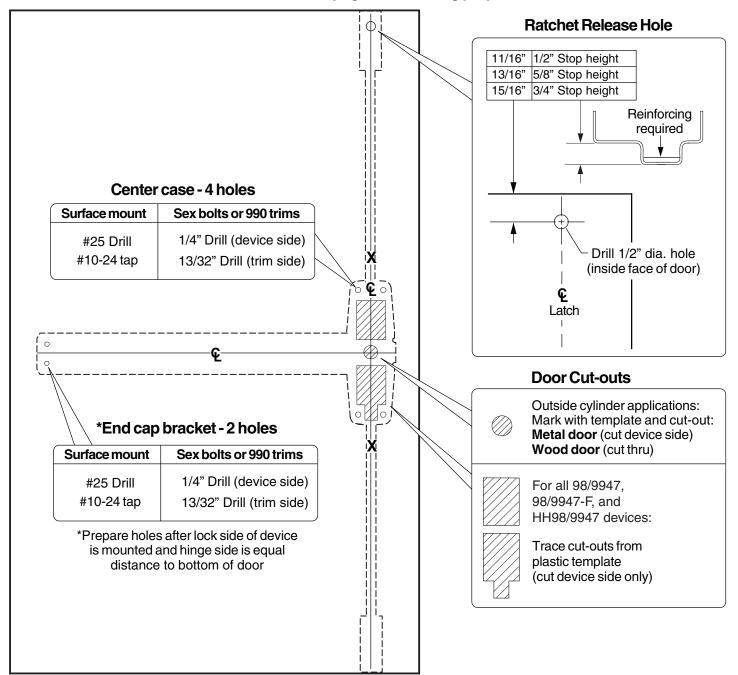




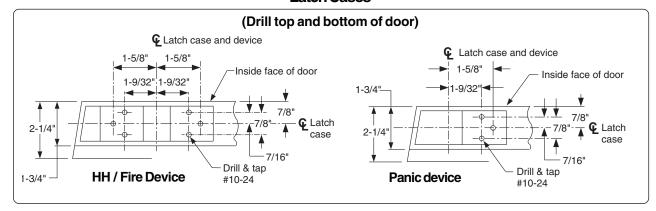
	SCREW CHART	
A	#10-24 x 1"———————————————————————————————————	Sex bolts (1-3/4" door)
	- Packaged with trim - #10-24 x 1-3/8" #10-24 x 1-7/8"	
B	#10-24 x 3/4" #10-24 x 1-1/8" #10-24 x 1-1/8"	Sex bolts (1-3/4" door)
O , ,	#10-16 X 3/8" Thread cutting —	- Endcap
D	#10-32 X 1/4"————————————————————————————————————	− Bracket to latch
	#10-24 X 1/2"	- Bracket to door
6	Rod adjusting screw	- Retaining clip
G	#8-32 X 5/16"	— Retaining clip
0	#10-24 X 1/2" —	- 338 strike
O fi	#10-24 X 1-1/2"—	- Ratchet release
0	#8-18 x 3/8" Thread cutting	- Center case cover

DOOR PREPARATION CHART

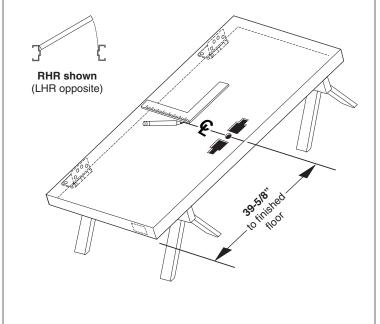
Go to instructions on next page before using preparation chart



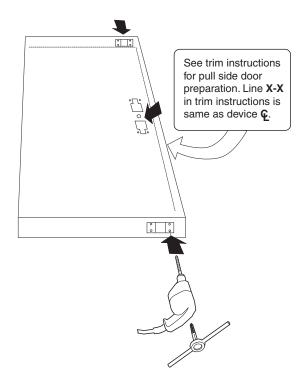
Latch Cases



Draw Horizontal Device Center Line (€)

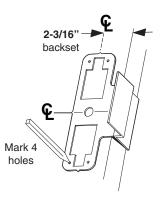


Prepare Door per Preparation Chart on Page 3



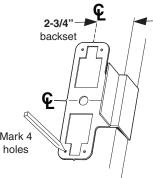
Determine Correct Backset, then Mark 4 Holes for **Device Center Case Using Template**

98/9947 (non-fire rated device) single or double door



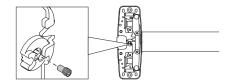
98/9947-F (fire rated device) or **98/9947** double door with 98/9975 (mortise device) on opposite door or **HH98/9947**

(hurricane rated device)



4 If Necessary, Remove NL Drive Screw

NL drive screwFactory installed on back of center case



990TP

With the NL drive screw removed, key locks and unlocks lever, knob, or thumb piece. For the trims listed below, **REMOVE** NL drive screw.

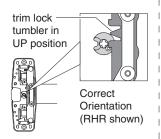
996L 696TP 996K 697TP

With the NL drive screw installed, key retracts latch bolt. **DO NOT** remove NL drive screw for the following applications:

NL, EO, DT trims and 98/99-2 double cylinder devices (i.e. TP-2, L-2, and K-2).

*996L-BE *E996L *696TP-BE *990TP-BE *996K-BE *E996L-BE *697TP-BE

* If the trim being installed is "BE" (i.e. 996L-BE), the trim lock tumbler on the back of the device must be in the **UP** position before device is installed. This allows the trim to be unlocked at all times.

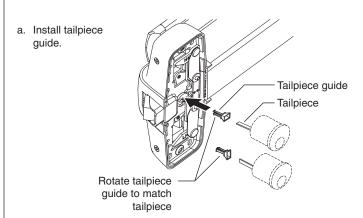


If necessary, remove drive screw and rotate cam until trim lock tumbler is in UP position, then reinstall drive screw

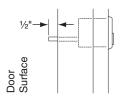


Incorrect Orientation

If Using a Cylinder with a Tailpiece, Prepare Device and Cylinder

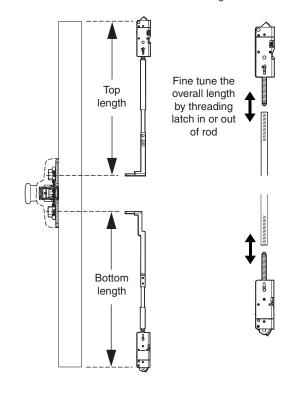


b. Cut tailpiece as needed.



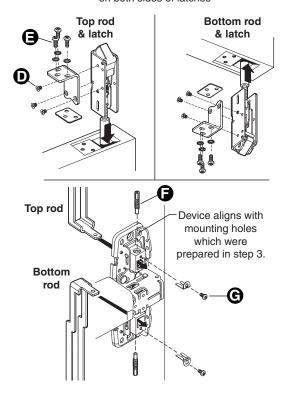
Assemble Rods and Latches and Adjust Length for Proper Door Height

Follow red and blue instruction cards on rods to set initial rod length



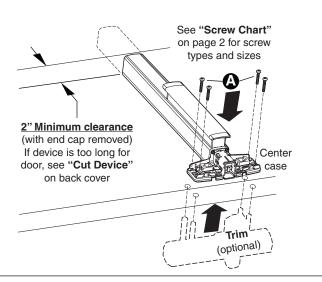
Install Rods and Latches as Shown

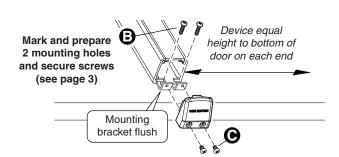
Note: Fire / HH devices use brackets on both sides of latches

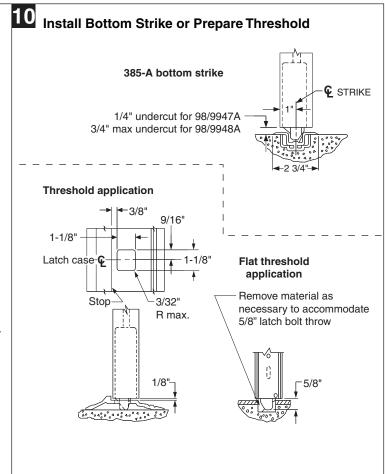


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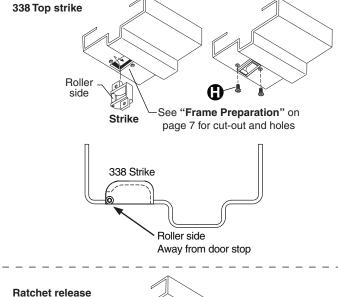
Secure Device to Door as Shown, then Hang Door on Frame

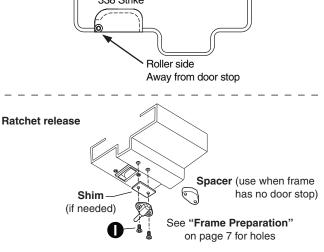






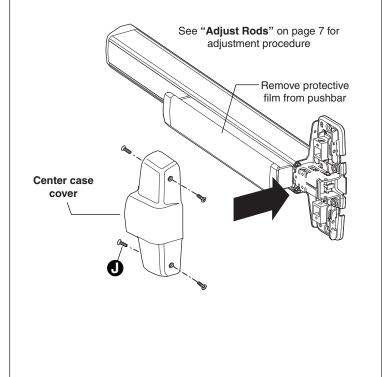
9 Install Top Strike and Ratchet Release



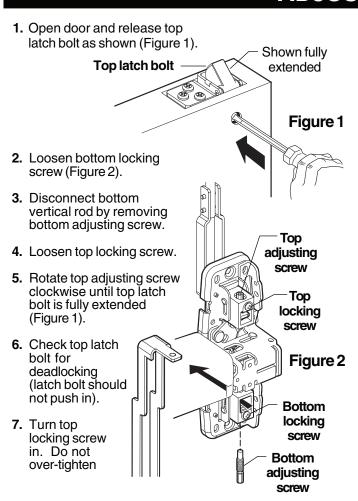


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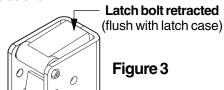
11 Adjust Rods and Install Center Case Cover



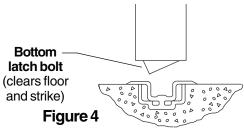
ADJUST RODS



- 8. Depress pushbar and release.
- **9.** Make sure top latch bolt stays retracted as shown.



- **10.** Install bottom adjusting screw through bottom rod (Figure 2).
- **11.** With top latch bolt still retracted, adjust bottom rod so latch bolt clears floor and bottom strike.



- **12.** Turn bottom locking screw in. Do not over-tighten.
- **13.** Check device operation by opening and closing door several times from the outside.

Redo adjustment procedure if:

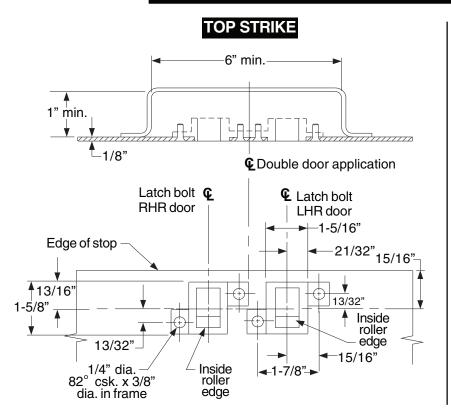
Adjust so plunger

releases latch bolt when

door is closed.

- Top latchbolt is not held retracted
- Bottom latchbolt does not clear floor and bottom strike

FRAME PREPARATION

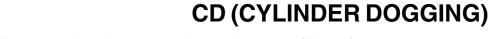


#25 drill #10-24 tap, 2 places 9/16" DO NOT USE SLOTS FOR POSITIONING. DRILL HOLES AS INDICATED HERE. Reinforcing required Plunger must go thru hole in door.

Plunger

7

OPTIONAL EQUIPMENT - CONTINUED



- 1. Remove mortise cylinder cam and reinstall in reverse (Figure 6).
- 2. Insert key and rotate cam to install the cylinder to the cover plate (Figure 7).
- 3. Remove key to slide cover plate in position in the mechanism case.

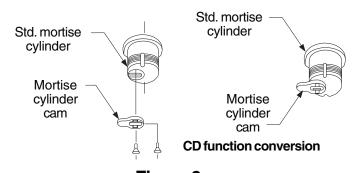
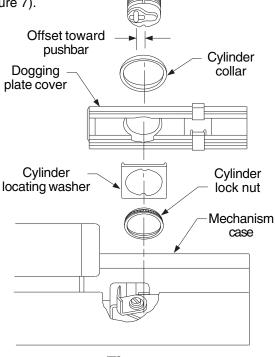


Figure 6

Dogging procedure

Turn cylinder key clockwise approx. 1/8 turn for standard dogging

Depress pushbar

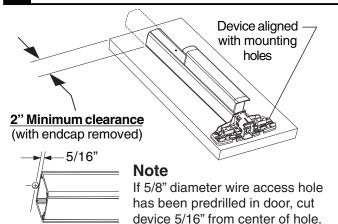


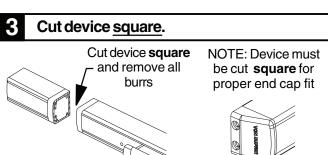
Std. mortise cylinder

Figure 7

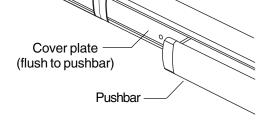
CUT DEVICE

Measure amount to cut off device.





Tape and mark area being cut. Remove anti-rattle clip Tape



4 Slide anti-rattle clip into device.

