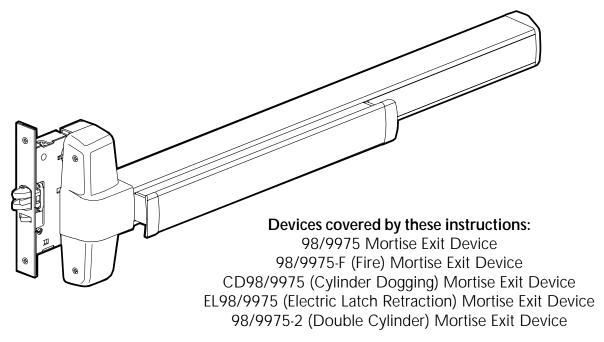
VON DUPRIN®Installation Instructions



98/9975 Series Mortise Exit Device



Please give these instructions to building owner after device is installed

Special tools needed:

#10-24 tap #12-24 tap Drill bits: #25, 1/8", 1/4", 5/16", 13/32"

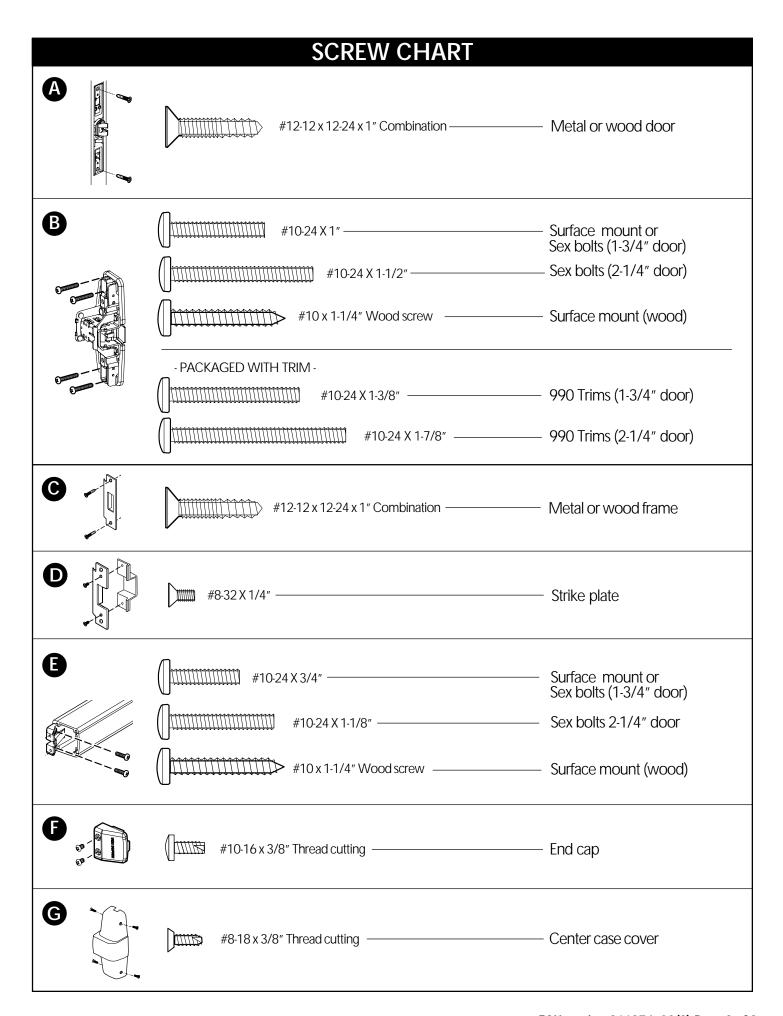
This product is covered by the following patent numbers:

3,767,238 4,427,223 3,854,763 4,466,643 4,167,280 4,741,563

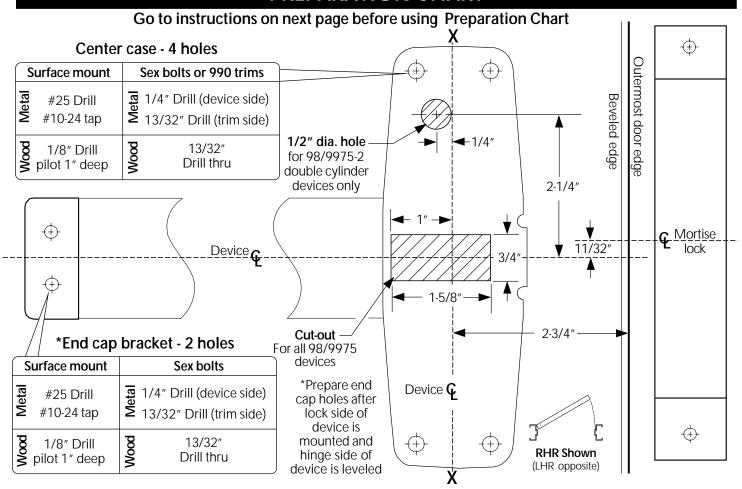
Index:

Screw chart	2
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• Device installation4-5	5
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Cut device	3

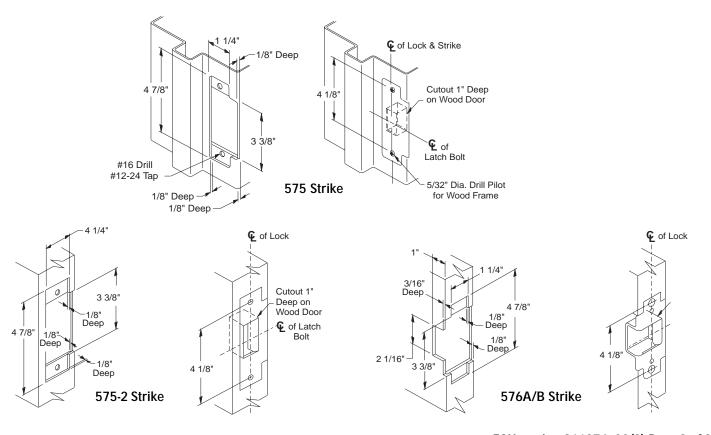




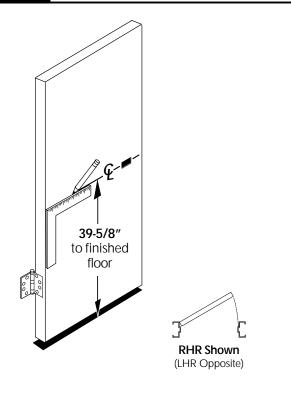
PREPARATION CHART

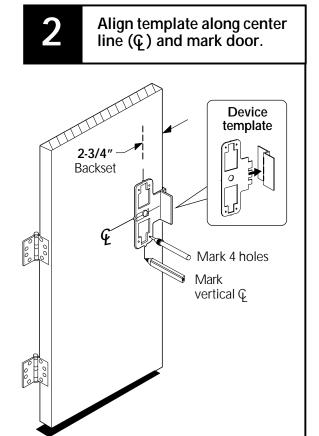


STRIKE PREPARATION



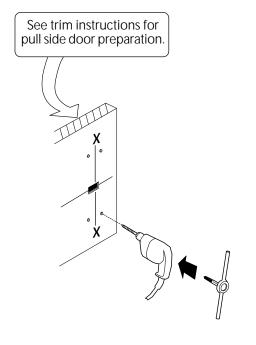
Draw horizontal device center line (\$\mathbb{G}\$).

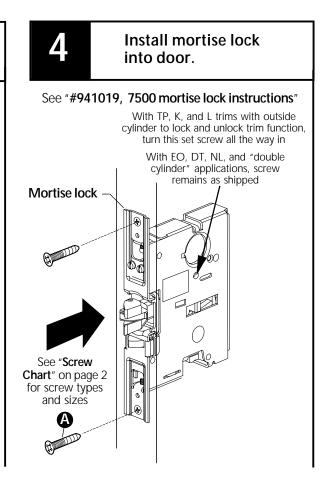




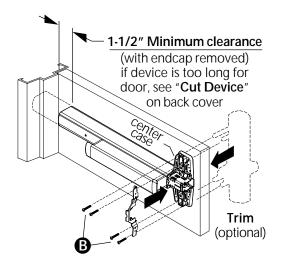
Prepare 4 center case holes and cutouts.

See "Preparation Chart" on page 3 for drill, tap, and cut-out information



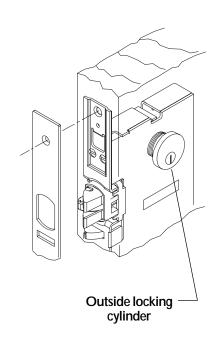


Install trim (if using) and secure device center case to door.



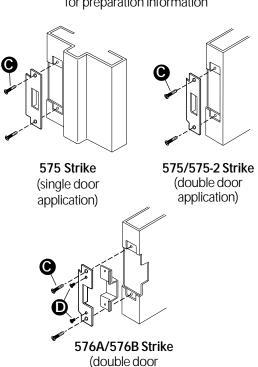
Install outside locking cylinder (if using) and finish installing mortise lock.

See 7500 Mortise Lock Instructions **#941019**



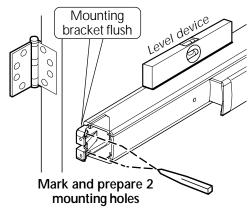
Install supplied strike to frame or other door.

See "Strike Preparation" on page 3 for preparation information

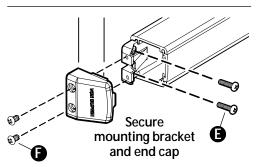


application)

Install mounting bracket and end cap.

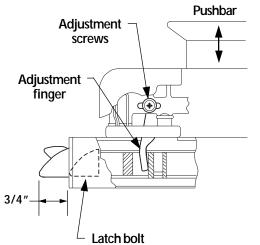


See "Preparation Chart" on page 3 for preparation information



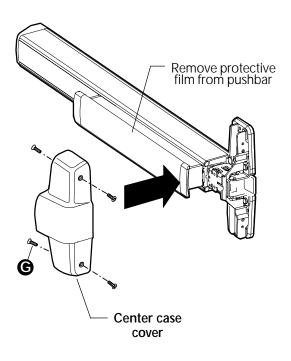
Adjust latch bolt.

Top view



Loosen adjustment screws and adjust finger in or out until latchbolt is fully retracted (with pushbar down) and fully extended 3/4" (with pushbar up)

10 Install center case cover.



OPTIONAL EQUIPMENT

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.

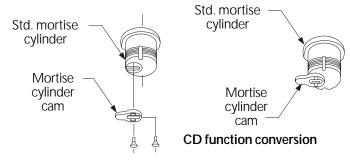
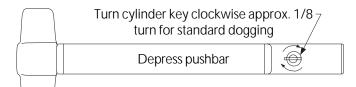
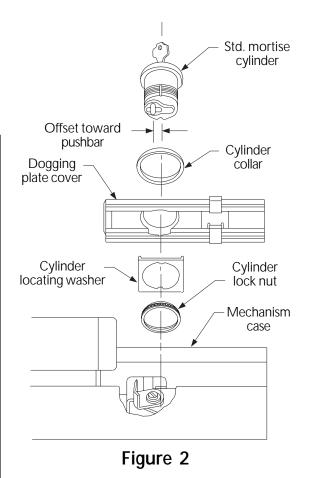


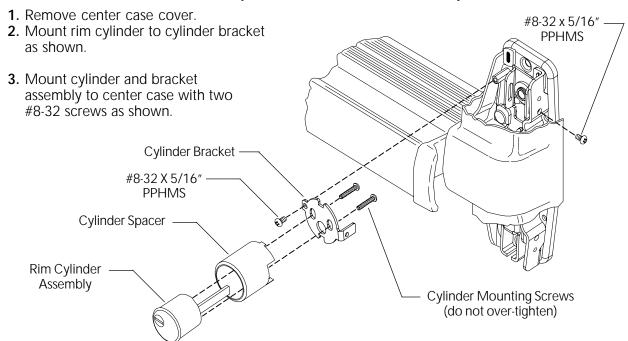
Figure 1

Dogging procedure

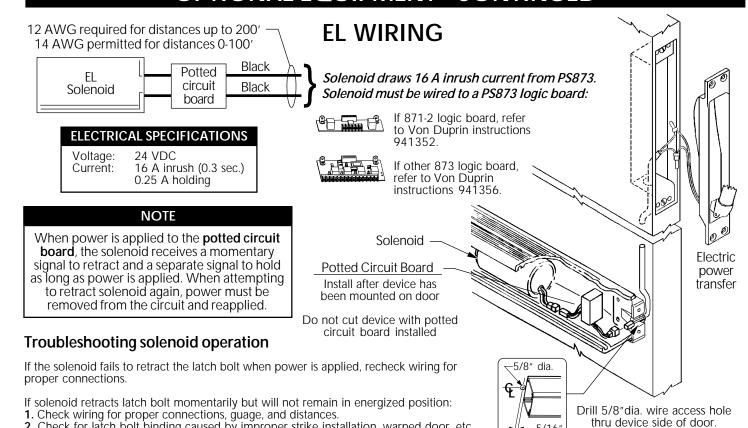




99-2 (DOUBLE CYLINDER)



OPTIONAL EQUIPMENT - CONTINUED

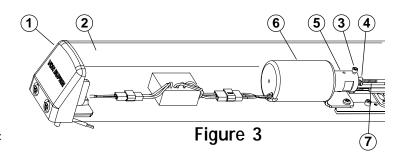


EL ADJUSTMENT PROCEDURE

2. Check for latch bolt binding caused by improper strike installation, warped door, etc.

- **A.** Check for proper function:
 - 1. Make sure device is not dogged.
 - 2. Depress pushbar and make sure latch bolts retracts and extends fully (see page 5, step 9).

 - Electrically energize solenoid and hold.
 Check latch bolt(s) for full retraction (must clear strike (see page 5, step 9). Release solenoid and check latch bolt
 - extension (see page 5, step 9).
 - Continue to Section B if device does not function electrically.
- **B.** Determine if dogging rod adjustment is too long or short:
 - The dogging rod adjustment is too long if latch bolt does not retract and clear strike (see section C).
 - 2. The dogging rod adjustment is too short if latch bolt does not fully extend **or** latch bolt fully retracts but solenoid releases while energized (see Section D for adjustment).
- C. Adjust solenoid if dogging rod is too long (see Figure 3):
 - 1. Remove end cap ① and dogging cover ②.
 - 2. Loosen cap screw 3.
 - Hold plunger © depressed in solenoid housing ©. Note: Push hard against plunger © to overcome an internal spring in solenoid housing 6.
 - 4. Turned threaded bushing ⊕ in to shorten dogging rod ② so latch bolt fully retracts.
 - Tighten cap screw 3.
 - Note: Cap screw ® must be tightened against flat on threaded bushing @. Apply a few drops of Loc-Tite 222 to threads of cap screw 3.
 - **6.** Replace dogging cover ② and end cap ①.
 - Return to Section A to check for proper function.



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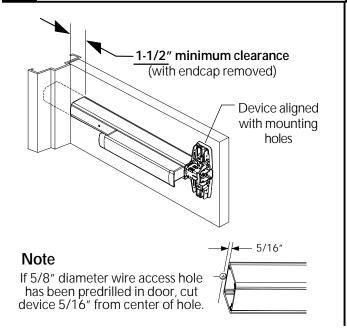
- D. Solenoid adjustment if dogging rod adjustment is too **short** (see Figure 3):
 - 1. Remove end cap ① and dogging cover ②.
 - Loosen cap screw 3.
 - 3. Hold plunger (5) depressed in solenoid housing (6).
 - 4. Turn threaded bushing @ out to lengthen dogging rod ② so plunger ⑤ just bottoms in solenoid housing ⑥ and latch bolt is fully retracted. Note: Push hard against plunger S to overcome an internal spring in solenoid housing ©.
 - **5.** Tighten cap screw ③.

Note: Cap screw 3 must be tightened against flat on threaded bushing @. Apply a few drops of Loc-Tite 222 to threads of cap screw 3.

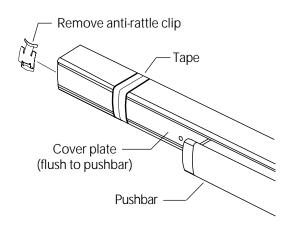
- 6. Replace dogging cover ② and end cap ①.
- 7. Return to Section A to check for proper function.

CUT DEVICE

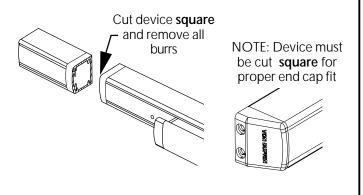
Measure amount to cut off device.



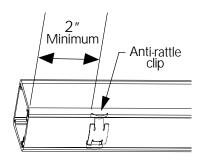
Tape and mark area being cut.



3 Cut device square.



4. Slide anti-rattle clip into device.





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