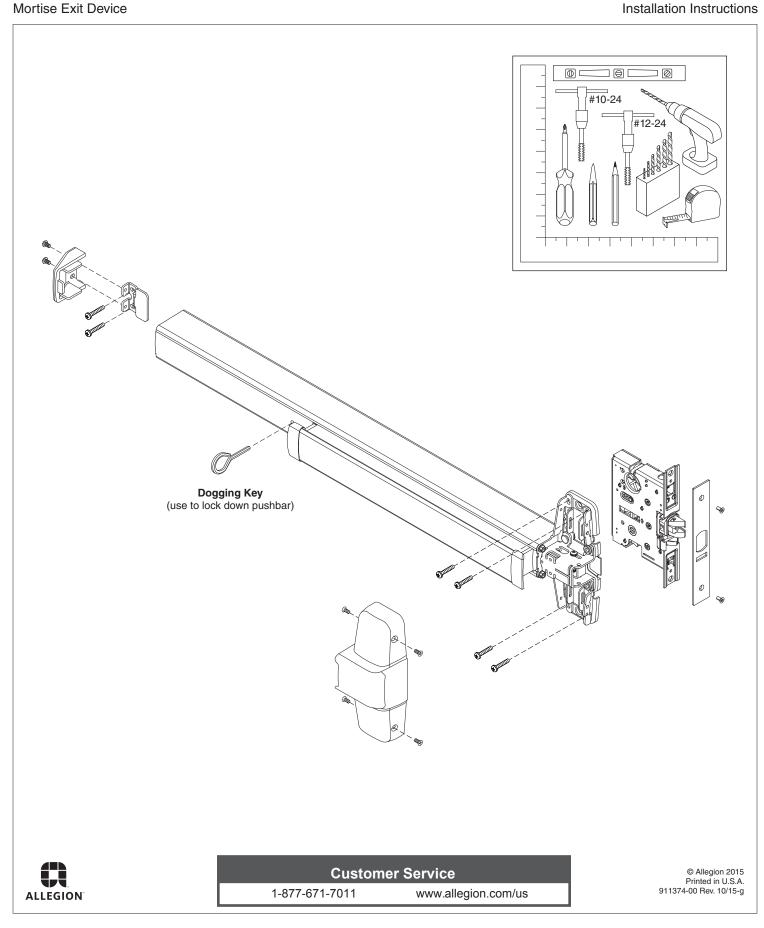


9875/9975

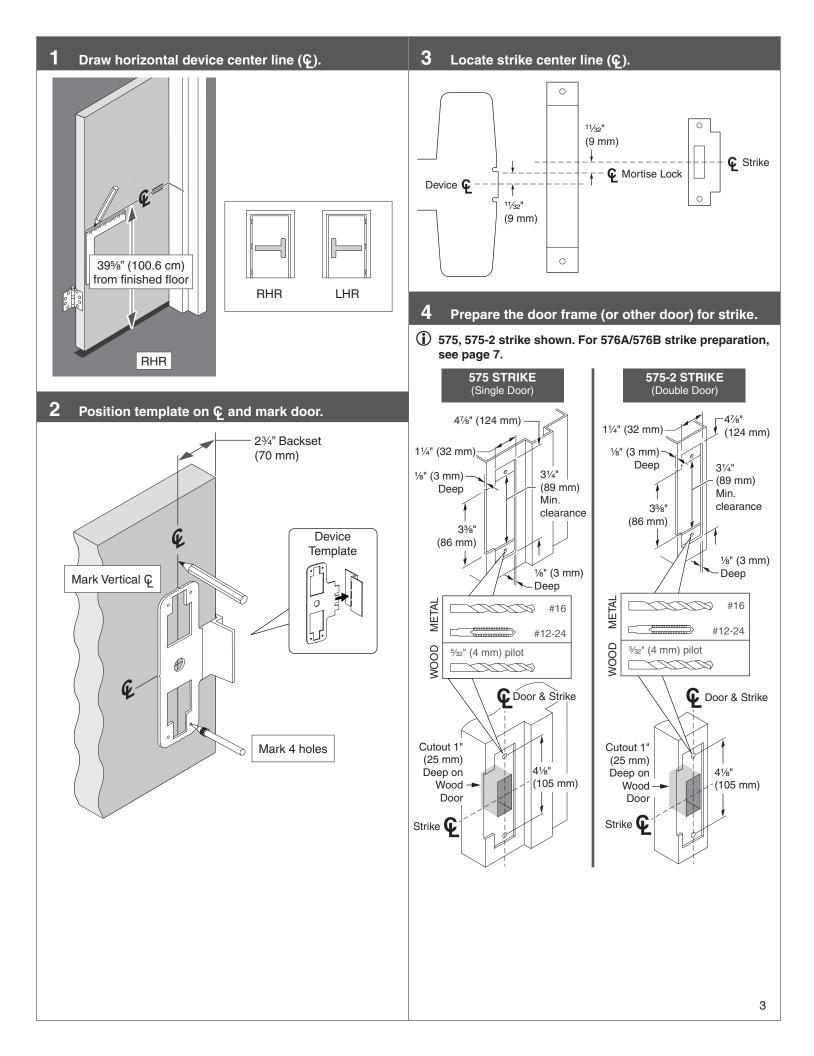


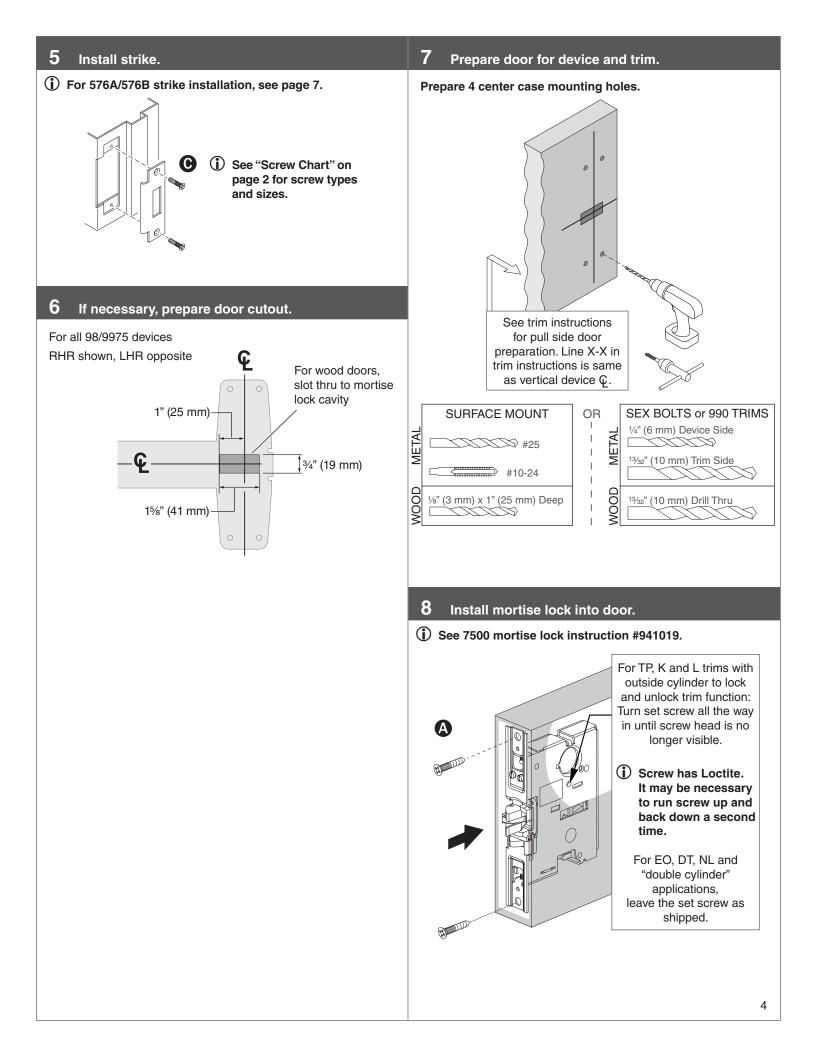
Installation Instructions



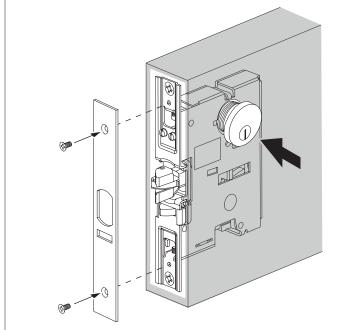
SCREW CHART

Subassembly	Screw		Application
		#12-12 x 12-24 x 1" (25 mm) Combination	Metal or wood door
8		#10-24 x 1" (25 mm)	Surface mount or Sex bolts 13/4" (44 mm) door
		#10-24 x 11⁄2" (38 mm)	Sex bolts, 21⁄4" (57 mm) door
		#10 x 11/4" (32 mm) Wood screw	Surface mount (wood)
0 ²²	Packaged with 990 Trims:	#10-24 x 1⅔" (35 mm)	1¾" (44 mm) door, 990 Trim
		#10-24 x 11/8" (48 mm)	2¼" (57 mm) door, 990 Trim
S75 Strike		#12-12 x 12-24 x 1" (25 mm) Combination	Metal or wood frame
576A Strike Strike		#12-12 x 12-24 x 1" (25 mm) Combination	Metal or wood door
D		#10-24 x ¾" (19 mm)	Surface mount or Sex bolts 13/4" (44 mm) door
		#10-24 x 11⁄8" (29 mm)	Sex bolts, 21⁄4" (57 mm) door
974 - X		#10 x 1¼" (32 mm) Wood screw	Surface mount (wood)
e a		#10-16 x %" (10 mm) Thread cutting	End cap
		#8-18 x %" (10 mm) Thread cutting	Center case cover

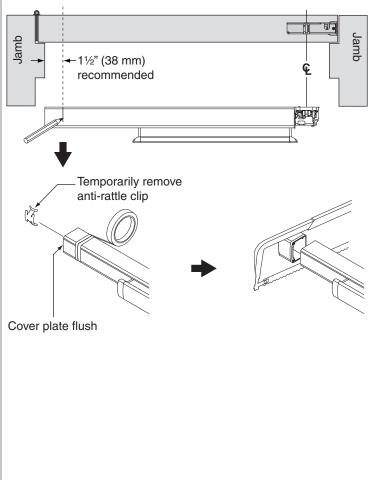




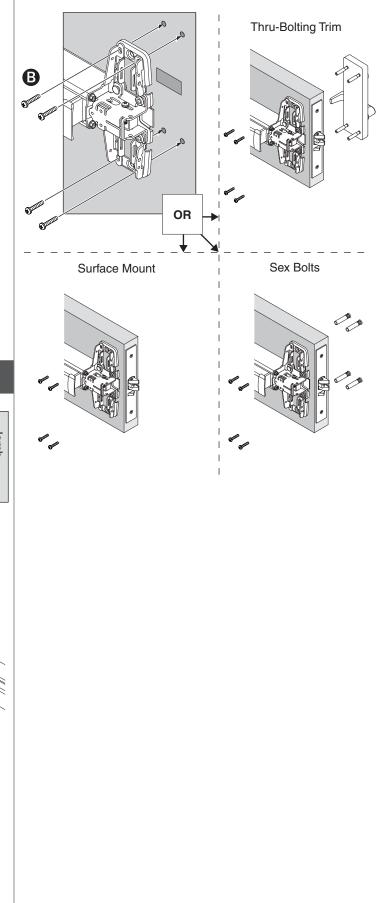
- 9 Install outside locking cylinder (if using) and complete installation of mortise lock.
- (i) See 7500 mortise lock instruction #941019.



10 If necessary, cut device.

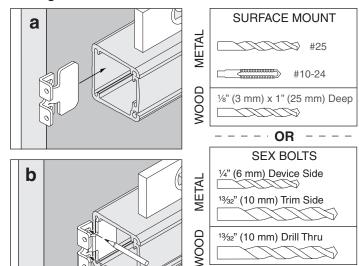


11 Install trim (if using) and attach center case to door.



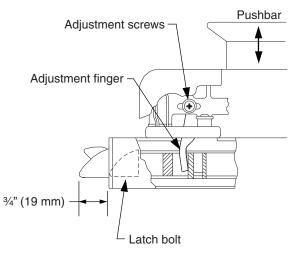
12 Mark and prepare two holes for end cap bracket.

(i) Prepare holes after lock side of device is mounted and hinge side is leveled.



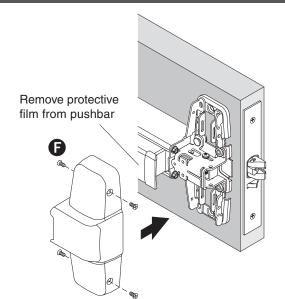
14 Adjust latch bolt.

TOP VIEW



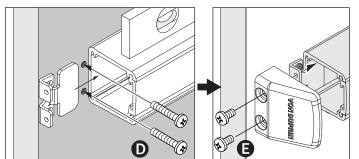
Loosen adjustment screws and adjust finger in or out until latch bolt is fully retracted (with pushbar down) and fully extended 3/4" (with pushbar up).

15 Install center case cover.

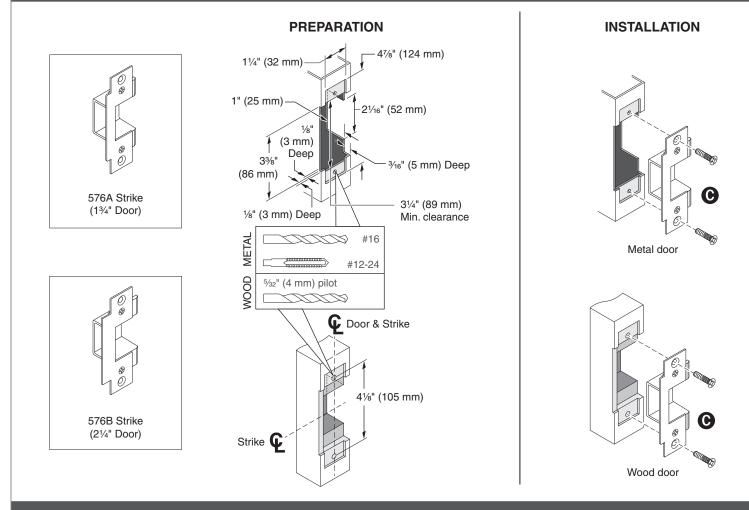




С

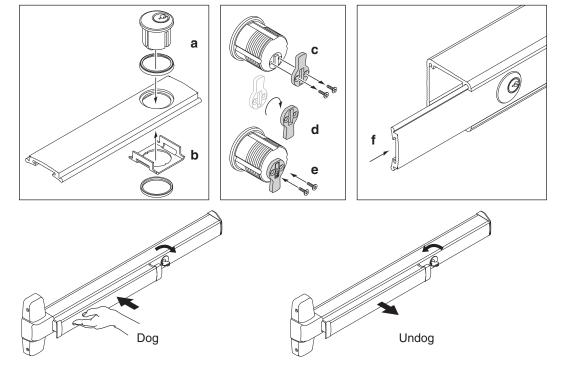


576A/576B STRIKE PREPARATION & INSTALLATION



OPTIONAL EQUIPMENT

CD (Cylinder Dogging) Option



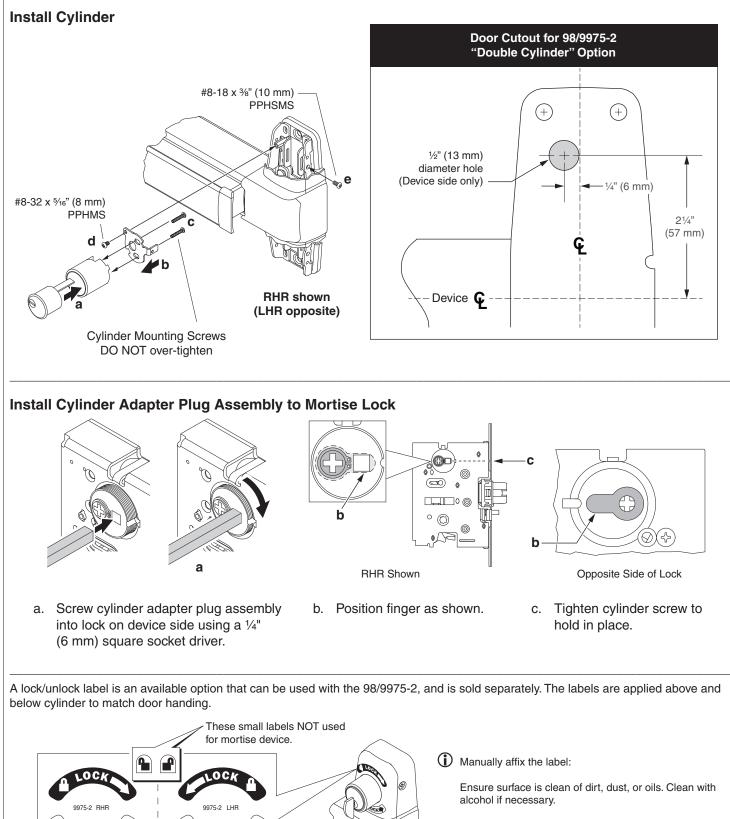
OPTIONAL EQUIPMENT (98/9975-2 DOUBLE CYLINDER)

Peel and stick appropriate set of labels depending on door handing. Stick labels above and below cylinder.

NLOC

UNLOC

RHR shown



Peel the label from the paper backing and apply to the surface. Minimize handling when applying and use pressure to burnish label to surface. The adhesive will require up to 8 hours to achieve the proper bond.



3. Apply trim.

921270-00

Trim for 98/9975 Mortise Lock Device

Installation Instructions

VON DUPRIN

Line X-X corresponds to line X-X on exit device instructions **TP TRIM TP-BE TRIM** NL TRIM 13/32" dia., 4 places 13/32" dia., 4 places 13/32" dia., 4 places **INSTALLATION INSTRUCTIONS** Metal door: this side Metal door: this side Metal door: this side Wood door: thru Wood door: thru Wood door: thru **ALL TRIM** 1. Prepare door for exit device. See exit device instructions for holes, line X-X, 1-3/8"-1-3/8"-1-3/8" 1-3/8"-and center lines. -11/16" <−11/16″ **←**11/16″ **◄**—11/16″ Metal door: ∠ Metal door: 1/4″ dia. **2.** Prepare door for trim: this side 4 places Wood door: 3/4" deep Cutout Metal door: this side A. Transfer line X-X from inside (exit Wood door: 3/4" deep 1-5/8" device side) of door to outside 2-1/4" 2-1/4" dia. (trim side) of door. Use extra care if Ç edge of door is beveled. Be sure line 1″ 1″ Corresponds to –1-5/8″ dia. X-X is parallel to edge of door. 3-1/2" 3-1/2" 3-1/2" 3-1/2" Metal door: this side center line of Wood door: 3/4" deep 3-1/4" exit device on 3-1/4" **B.** Locate and prepare holes as shown. exit device -(†)--0 instructions -1/2" rad. - 1/2" rad. 5-23/32" 5-23/32" TP **TP-BE** 5-23/32" 5-23/32" NL ALL 4. Apply exit device, thru-bolt to trim TRIM TRIM TRIM TRIM (4 places), and use screw and #12 -7/16″ dia. — 7/16″ dia. /−7/16″ dia. countersink washer for lower trim Metal door: this side Metal door: this side Metal door: this side mounting stud. Wood door: thru Wood door: thru Wood door: thru ∽Metal door: 3/8″ dia. Inside face Outside face 🗸 Outside face 🗸 Outside face 🗸 of lock stile of lock stile 👗 of lock stile 👗 of lock stile LHR shown, RHR opposite For cutouts on inside face of door, see exit device instructions

990TP/TP-BE/NL





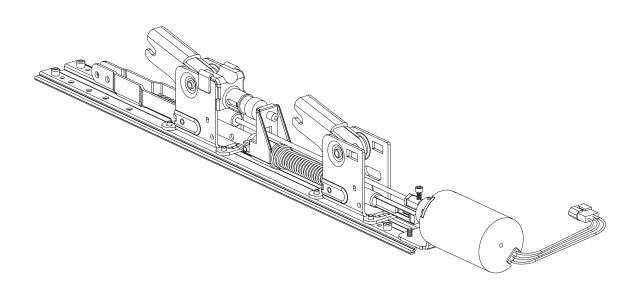


Conversion Kit

EL/HD-EL



Installation Instructions



Read All Warnings Before Starting Installation!

Index

- General Information 2
- Specifications 2
- Parts List 2

- EL Wiring and Adjustment 12



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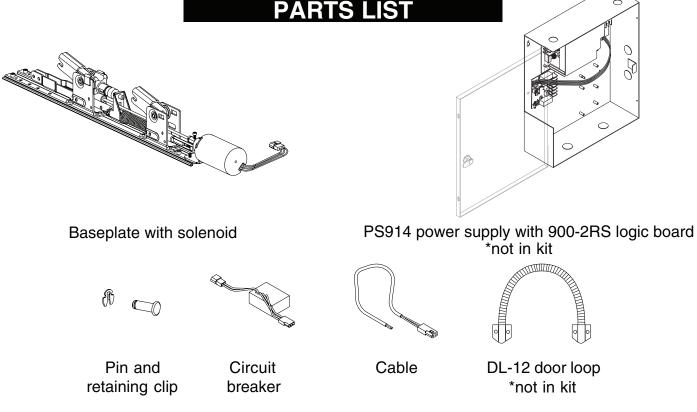
GENERAL INFORMATION

This kit converts 33/35, 33A/35A, and 98/99 series devices to electric latch (EL) retraction devices. Before beginning installation, review "Specifications," "Parts List," "Warnings," and "Tools Needed."

SPECIFICATIONS

Solenoid:

Continuous duty:	24 VDC
Current inrush:	16 A
Current holding:	0.3 A



* This part is required for installation but not included in this kit. Contact factory to order.

WARNINGS

- 1. This kit cannot be used to convert 33/35 Rim devices. Consult factory.
- **2.** Install according to instructions or device will not function and panic or fire label will be void.
- **3.** The solenoid wiring must be attached to the fire alarm system if installed on fire exit hardware.
- 4. PS914 power supply with 900-2RS logic board must be used for EL device to operate properly.
- 5. Field wiring between the power supply and the door must be 12 AWG.

TOOLS NEEDED

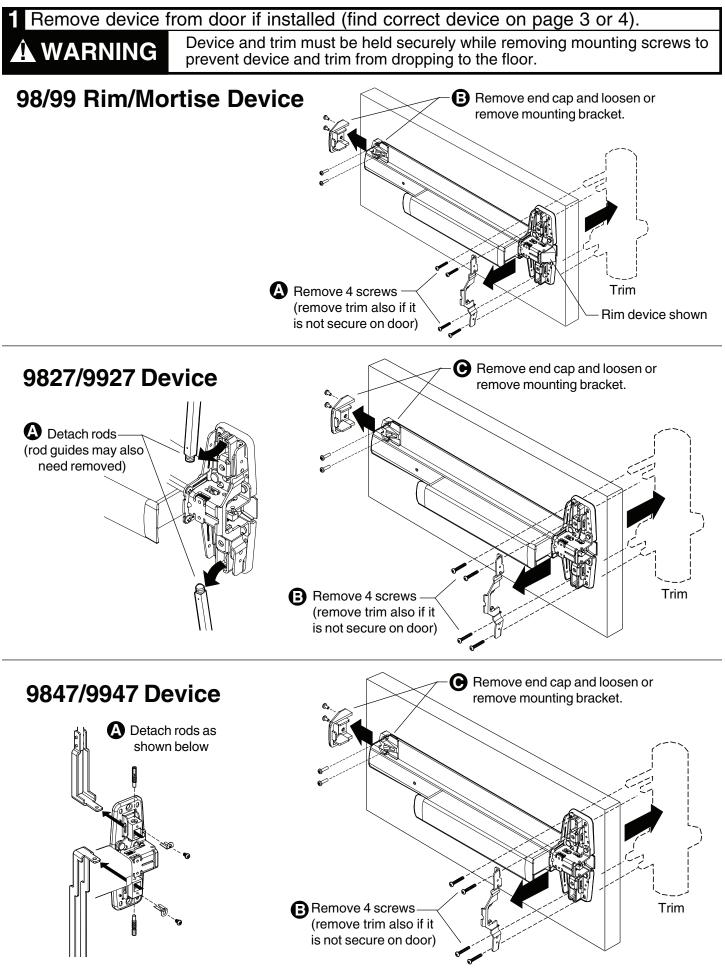


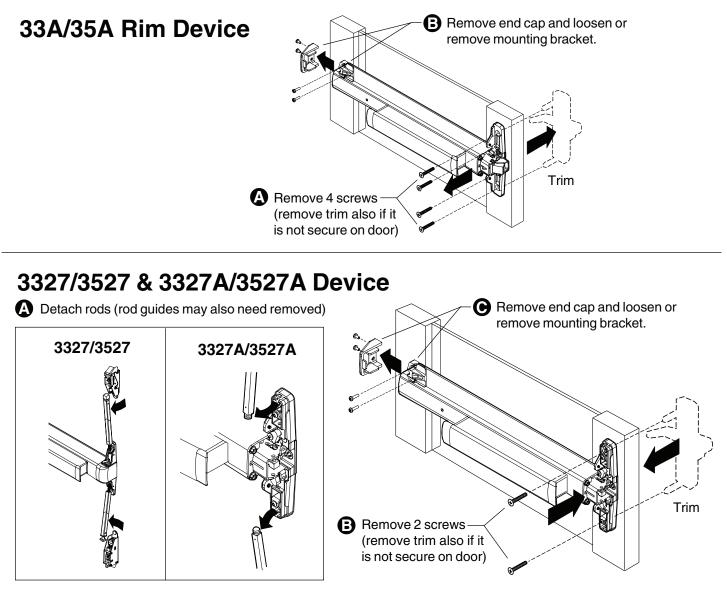


5/8" dia. drill bit

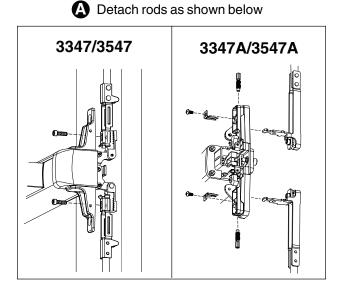
Flat blade screwdriver

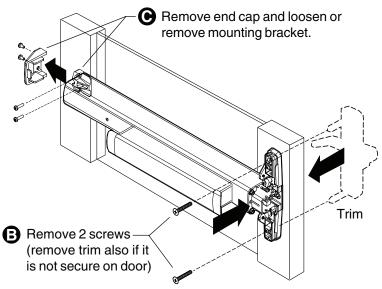
Phillips screwdriver



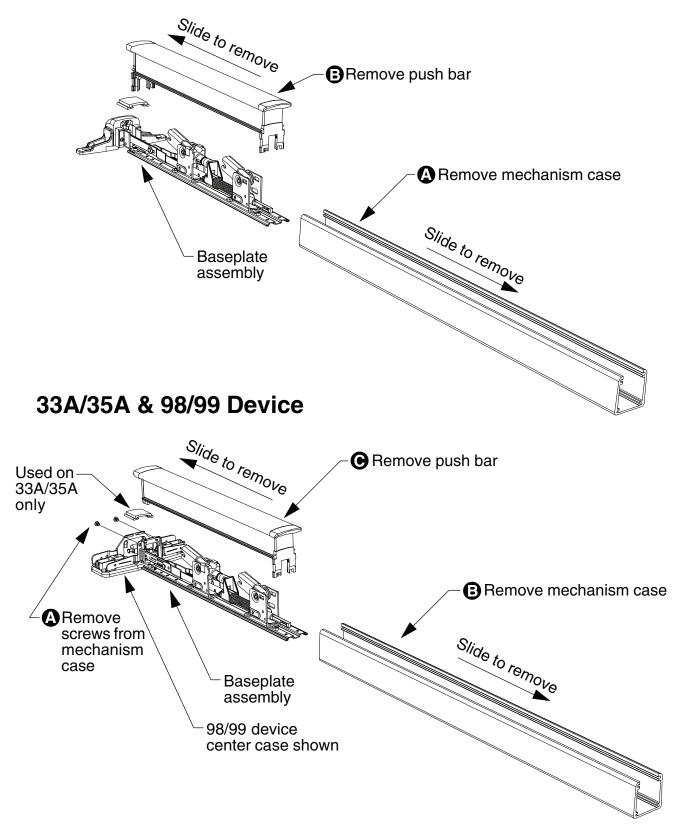


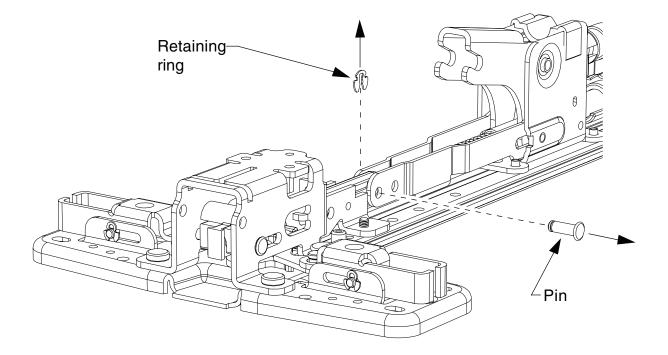
3347/3547 & 3347A/3547A Device



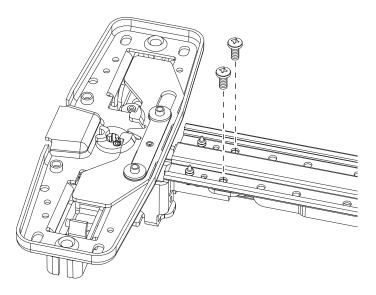


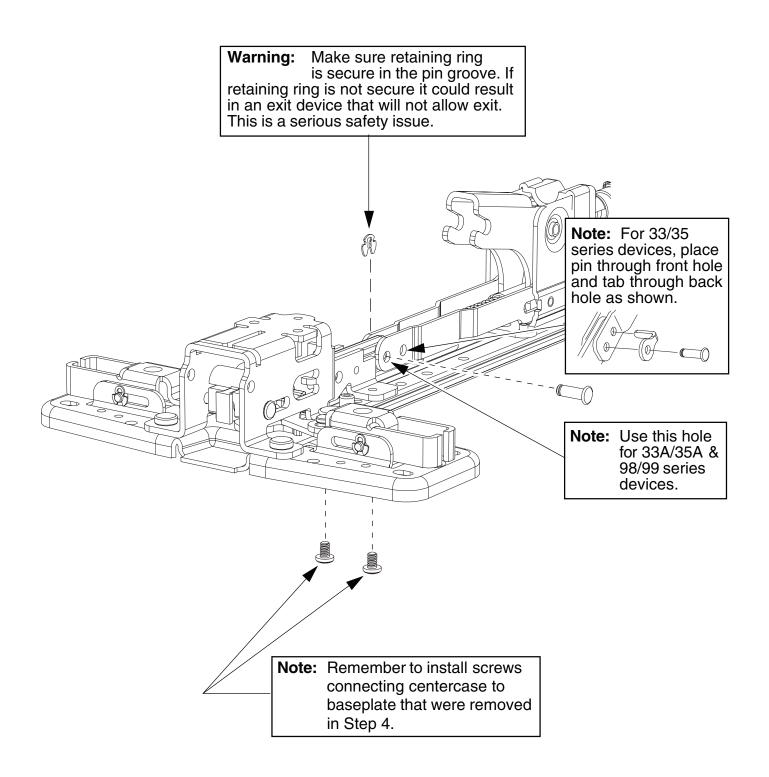
33/35 Device

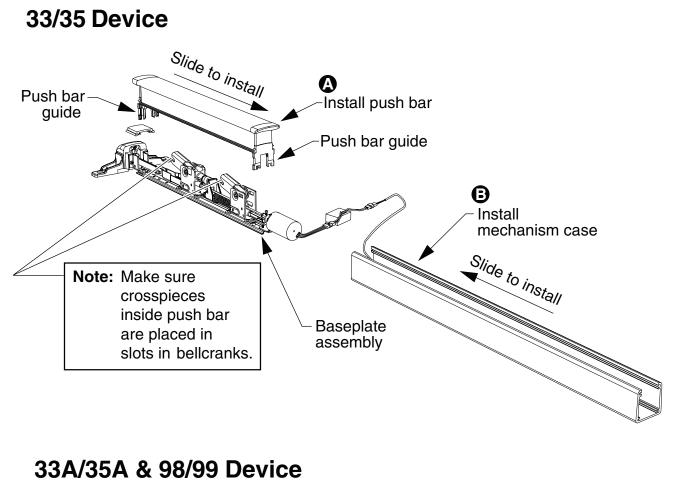


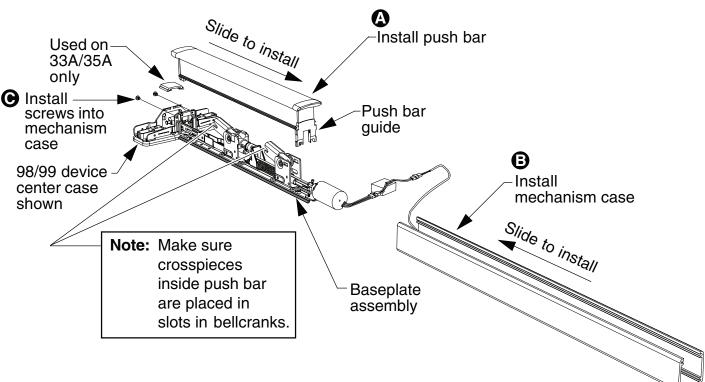


4 Remove screws connecting center case to baseplate.

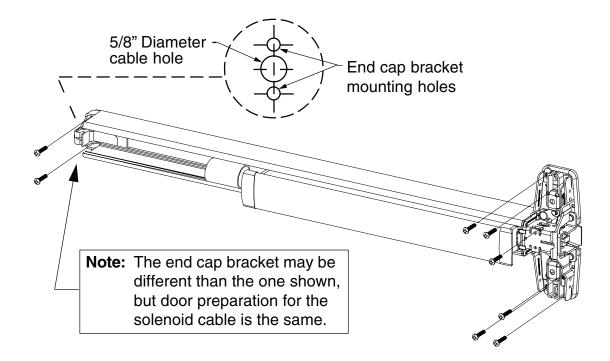




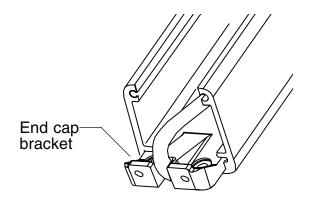




- A. Drill 5/8" diameter hole in door centered between end cap bracket mounting holes.
- B. Deburr hole.
- C. Reattach device and trim to door.

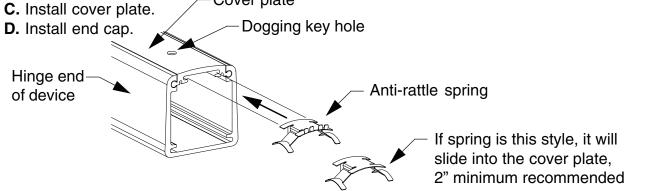


8 Route cable through hole in door.



9 Install cover plate and end cap.

- A. If cover plate has a dogging key hole, rotate cover plate so hole is near end cap for standard EL device and near pushbar for HD-EL device.
- B. Install anti-rattle spring. Cover plate



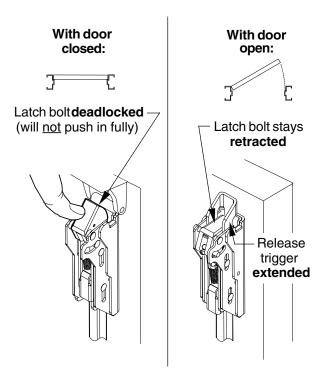
10 For vertical devices, reattach rods.

Reattach rods in reverse of when they were detached on pages 3 and 4.

11 Adjust rods as needed on vertical devices (find correct device on page 10 or 11).

9827/9927 Device or 3327A/3527A Device

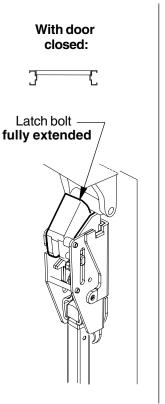
Adjust top and bottom rod (screw rod into or out of latch) until adjusted as shown. **Note:** On bottom latch, make sure latch bolt clears floor when door is swung open.



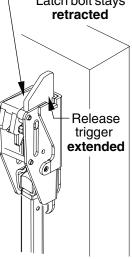
3327/3527 Device

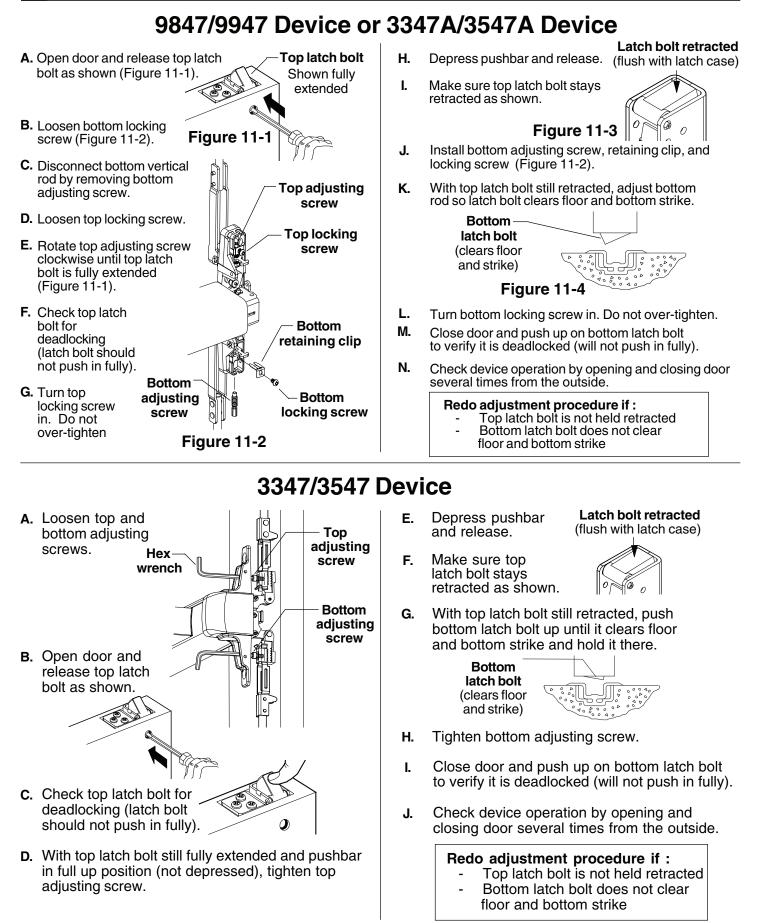
Adjust top and bottom rod (screw rod into or out of center case rod connector) until adjusted as shown.

Note: On bottom latch, make sure latch bolt clears floor when door is swung open.

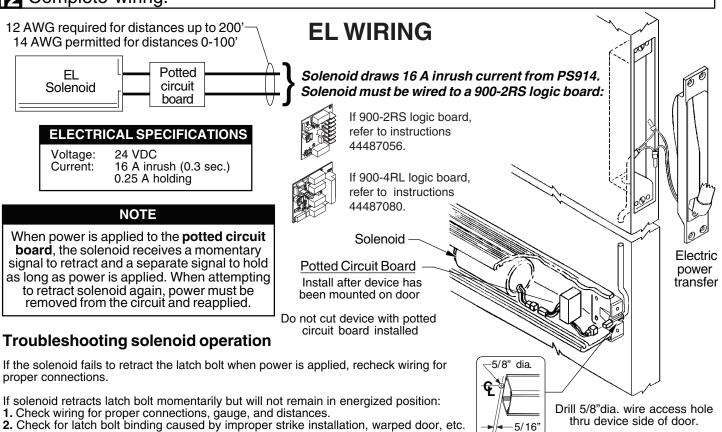


With door open:





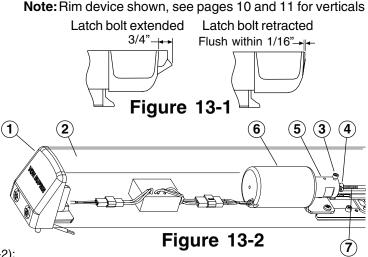
2 Complete wiring.



Check for latch bolt binding caused by improper strike installation, warped door, e Also check adjustment of vertical rods.

13 Adjust EL device for proper function.

- **A.** Check for proper function:
 - Make sure device is not dogged.
 Depress pushbar and make sure latch bolt(s)
 - Depress pushear and make sure fatch bol(s) retracts and extends fully (see Figure 13-1).
 Electrically energize solenoid and hold.
 - Check latch bolt(s) for full retraction (must
 - clear strike, see Figure 13-1). 5. Release solenoid and check latch bolt
 - extension (see Figure 13-1).6. 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 for adjustment).
 - 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 13-2):
 - 1. Remove end cap 1 and dogging cover 2.
 - 2. Loosen cap screw 3.
 - Hold plunger S depressed in solenoid housing S.
 Note: Push hard against plunger S to overcome an internal spring in solenoid housing S.
 - 4. Turn threaded bushing ⊕in to shorten dogging rod ⑦ so latch bolt fully retracts.
 - 5. 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[®].
 - 6. Replace dogging cover@and end cap^①.
 - 7. Return to Section A to check for proper function.



- **D.** Solenoid adjustment if dogging rod adjustment is too **short** (see Figure 13-2):
 - 1. Remove end cap () and dogging cover (2.
 - 2. Loosen cap screw3.
 - 3. Hold plunger (5) depressed in solenoid housing (6).
 - Turn threaded bushing @ out to lengthen dogging rod ⑦ so plunger ⑤ just bottoms in solenoid housing ⑥ and latch bolt is fully retracted.
 Note: Push hard against plunger ⑤ to overcome an internal spring in solenoid housing ⑥.
 - 5. Tighten cap screw 3.
 - Note: Cap screw ③ must be tightened against flat on threaded bushing ④. 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.