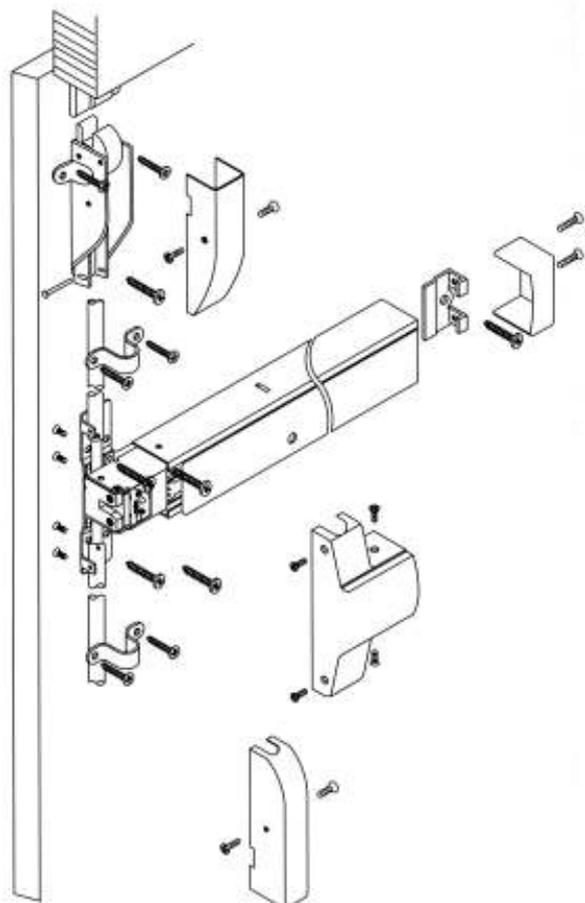
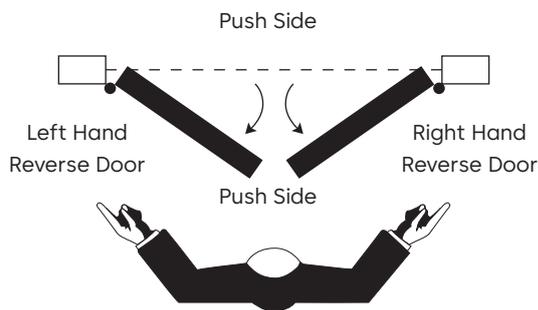


ED2227 Exit Device

Installation Instruction - Vertical Rod Rim

Before Installing
Check to be sure the exit device is the proper hand for your door.

How to determine hand of door



01

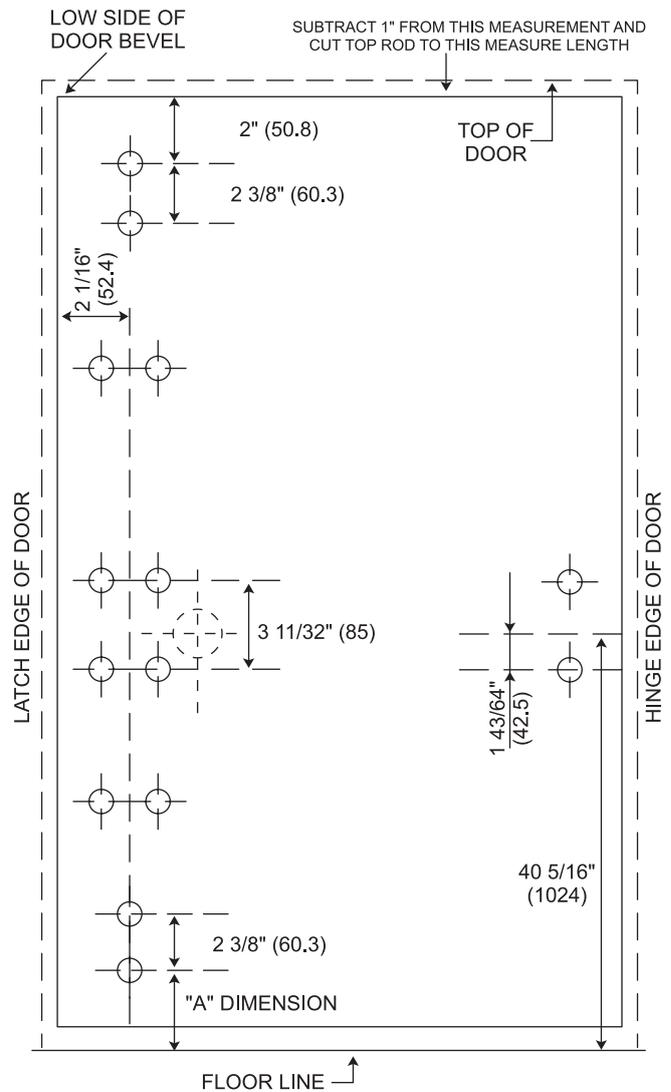
Mark Center Lines

Mark Center Lines on INSIDE of door. Establish the horizontal center line of the device by drawing a line across the door *40-5/16* (1024) above floor line.

Establish the top and bottom rod backset center line by drawing a vertical line from the top to bottom of the door measuring from the LOW SIDE of the DOOR BEVEL.

***Regularly furnished unless otherwise ordered.**

Inside of LHRB is illustrated



"A" Dimension	Installation
1 3/4" (44.4)	Surface Strike
1 3/16" (30.2)	Flush Strike

02

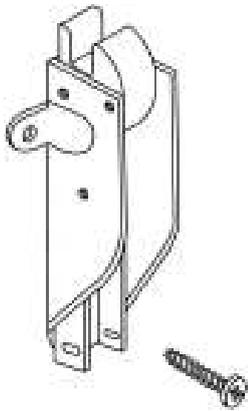
Locate Latches

Locate Top and Bottom Latch.
Mark for later installation.

03

Mount Top Latch

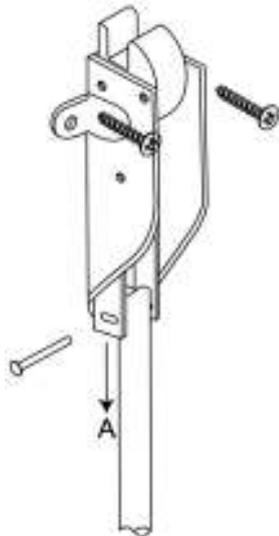
Retract the latch by pushing up on slide and fasten Latch Assembly with screws as illustrated.
Be sure to draw the screw up tight. Drill hole for the cover screw using the hole in the slide Assembly at bottom as guide.
First screw into the hole to fix the correct position.



04

Top Rod Assembly

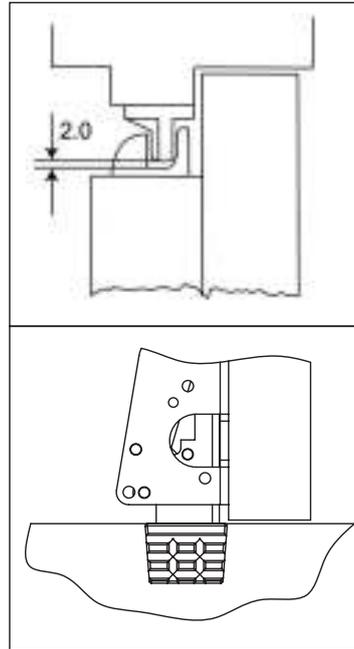
Put the top latch and top strike in the proper position, then tighten the left and right screws.
Put part (A) in down position to match the screw hole of the rod and assemble.



05

Install Strikes

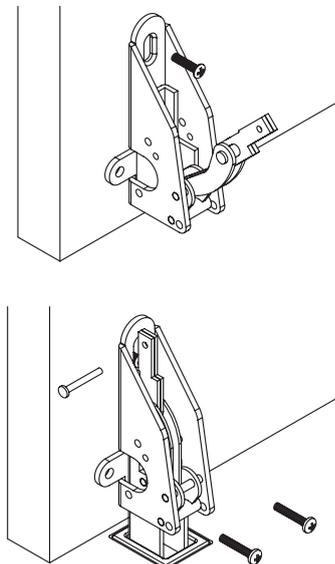
Close door. Align center of strike with vertical backset center line on door and install top and bottom strikes.



06

Mount Bottom Latch

Insert Bottom Latch Screw through bolt in Latch Frame into bottom hole. Do not tighten. Lift up Slide Assembly and fit the Spring Loop over the stump on the latch frame.
Position Latch Frame so that Latch engages strike. Now tighten bottom screw.
Drill a hole for the Cover Screw using the hole in the Slide Assembly at top as guide. Spot with 1/4" (6.4) drill. Drill through with #3 drill for self tapping screw. First screw into the hole to fix the correct position.

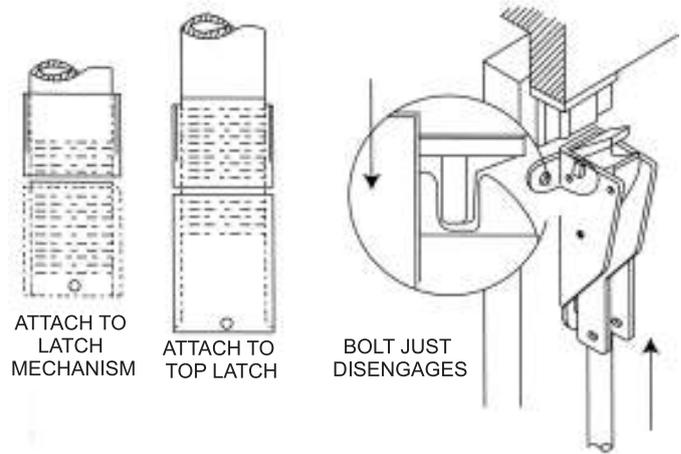


07

Install Top Rod adjust Top Latch

Attach Top Rod to Bar Assembly by slipping hole over Stump and secure Rod by means of "E" Ring.
 Shut door. Turn Adjustable Rod Connector until head touches underside of latch slide.
 Insert pin. Depress bar, if top latch does not retract completely, remove pin and turn connector to adjust length. Repeat until Latch Bolt just disengages.

CAUTION: Make certain "E" ring engages slot in stump

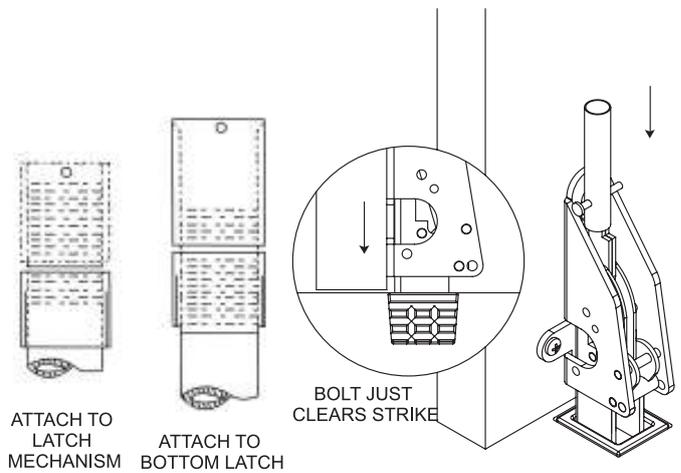


08

Install and Adjust Bottom Rod

Attach Bottom Rod to Bar Assembly by slipping hole over Stump and secure Rod by means of "E" Ring. Shut door. Dog down Active Case. Insert pin into Rod Connector by turning clockwise or counter clockwise until Latch Bolt just clear Strike, Undog Device.

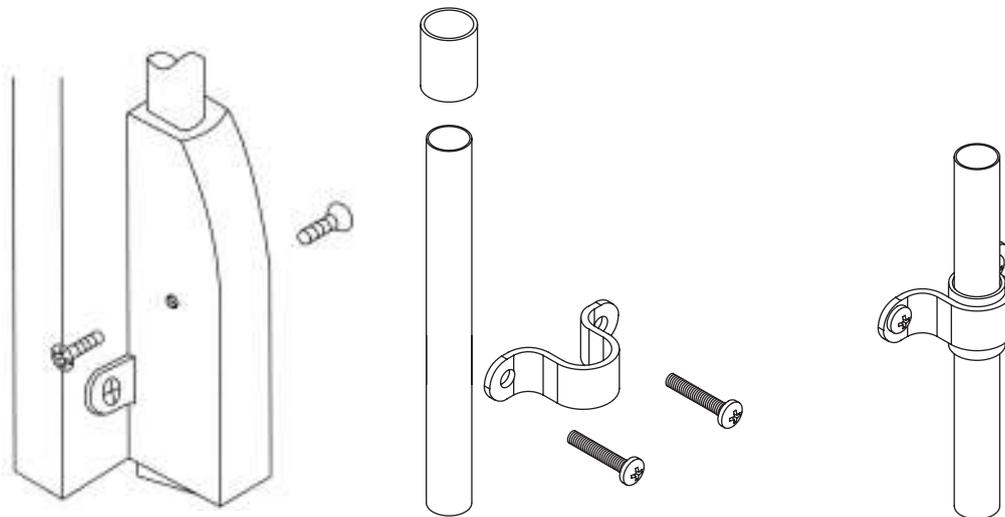
CAUTION: Make certain "E" ring engages slot in stump



09

Mount Top and Bottom Latch Covers

Bottom Cover: Position above Bottom Latch Frame and align with hole in slide assembly at bottom. Secure with furnished screw.
 Top Cover: Position and secure with screw through bottom hole in Top Latch Frame.



10

Testing Push Bar and Dogging Operations

The latches should engage the strikes when the door is closed. If the door can be pushed open without depressing the push bar, the top rod connector has been over adjusted. Remove cover. Adjust connector as needed. Replace cover. The top and bottom latches should be disengaged from the strikes freely when the push bar is depressed or dogged down. If they do not disengage, remove the covers and adjust the connectors as needed. Replace the covers. Retest fir proper operation.

Series: No Trim

Top and bottom latch bolts are retracted by the push bar inside.

Series: Plate and Pull Trim

Top and bottom latch bolts are retracted by the push bar inside and by the key outside. Turning the key in either direction will retract the latches. Remove key and project latches.

Series: Knob Trim

Top and bottom latch bolts are retracted by the push bar inside and by key or knob outside.

To lock knob:

Insert key in cylinder and turn counter clockwise as far as key will turn. Then return key to its vertical position and withdraw key.

To unlock knob:

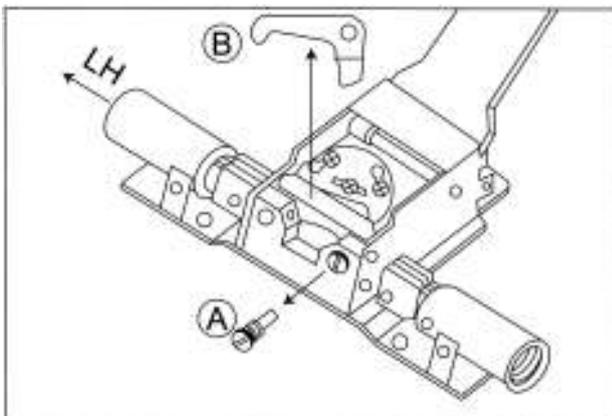
Insert key in cylinder and turn counter clockwise as far as key will turn (the latches will retract during this procedure). Then return key to its vertical position and withdraw key.

Dogging:

Depress push bar. Insert dogging wrench and turn clockwise 90°. The push bar will remain depressed and the latches will remain retracted.

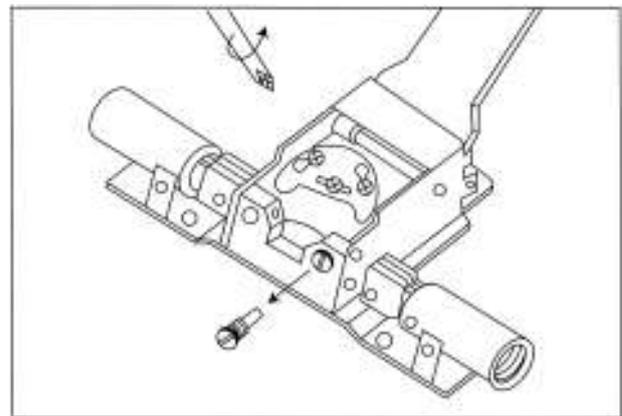
11

Directions for reversing handing of device



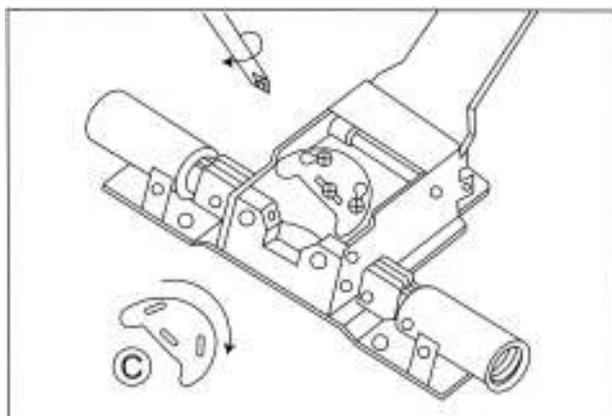
01

To convert the devices into right hand remove Part A and Part B.



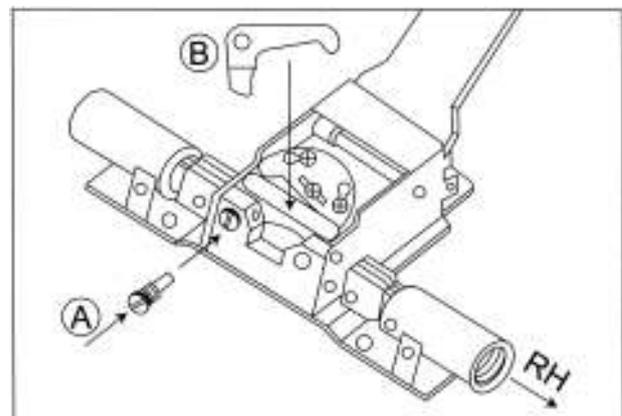
02

Loosen the screws.



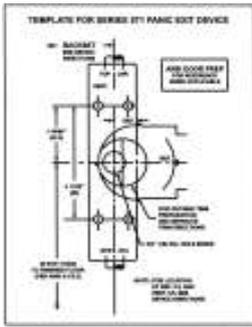
03

Rotate Part C to the right then tighten the screws again.

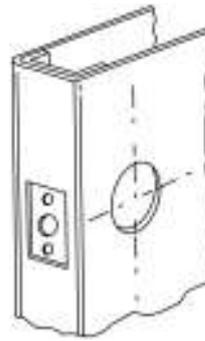


04

Turn Part B to opposite direction and re-inset in its slot then tighten Part A.



Locate and drill mounting holes for trim and device using furnished template. Be sure the template is aligned with horizontal and vertical center lines on the INSIDE OF DOOR.



NOTE

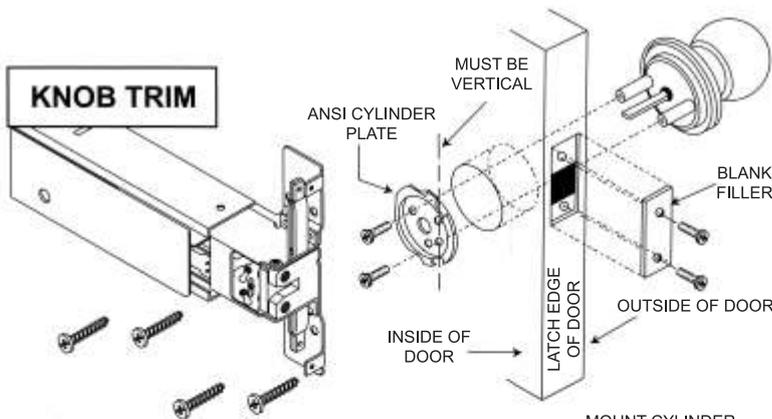
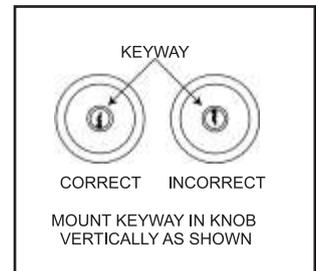
When your door has cylindrical lock cut-out for ANSI A115.2 and A115.3 prep doors:

- A** Extend horizontal and vertical center lines of cut-out shown at right.
- B** Align center lines on template with center lines on door. Drill template holes as needed.

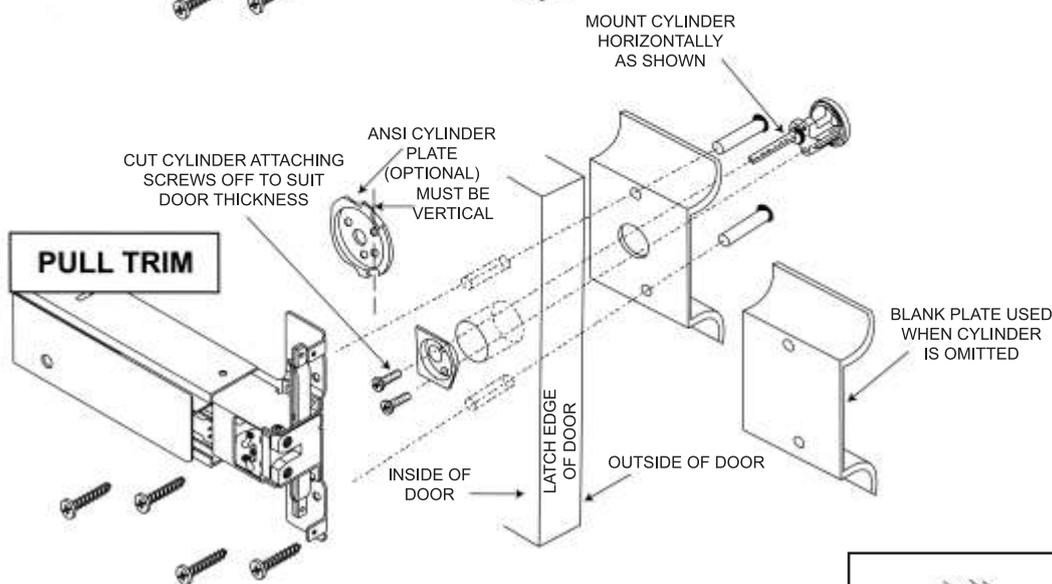
12

Trim Installation

Cut off length of cylinder connecting bar so that 1/2" (12.7) projects beyond inside of door.

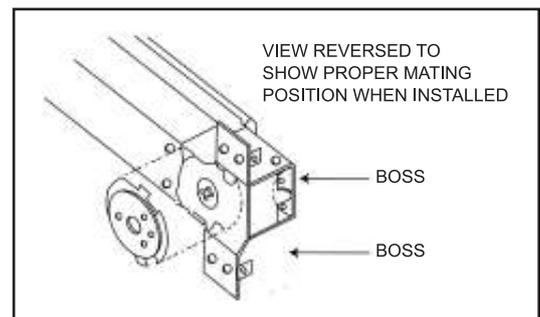


ALWAYS refer to the template packed with trim before proceeding with installation.



CAUTION

When using the Ansi Cylinder plate, be sure the bosses on the latch assembly fit into the cutouts on the cylinder plate so that the latch assembly lies flat on the door.

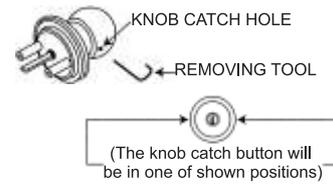


13

How to remove and reinstall Cylinder in lock:

A. Removing the knob

- A1.** Insert key in cylinder and turn 90° clockwise.
- A2.** Insert knob removing tool into the hole in the knob and depress the knob catch button.
- A3.** While knob catch button is depressed, pull knob off.



B. Removing cylinder from knob

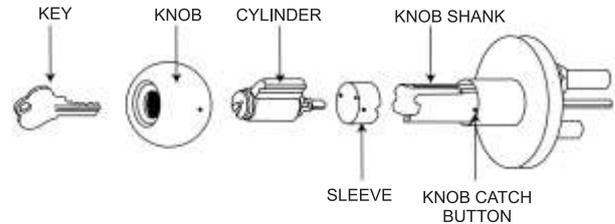
- B1.** Remove sleeve.
- B2.** Remove key.
- B3.** Slide cylinder out of knob

C. Reinstalling cylinder in knob

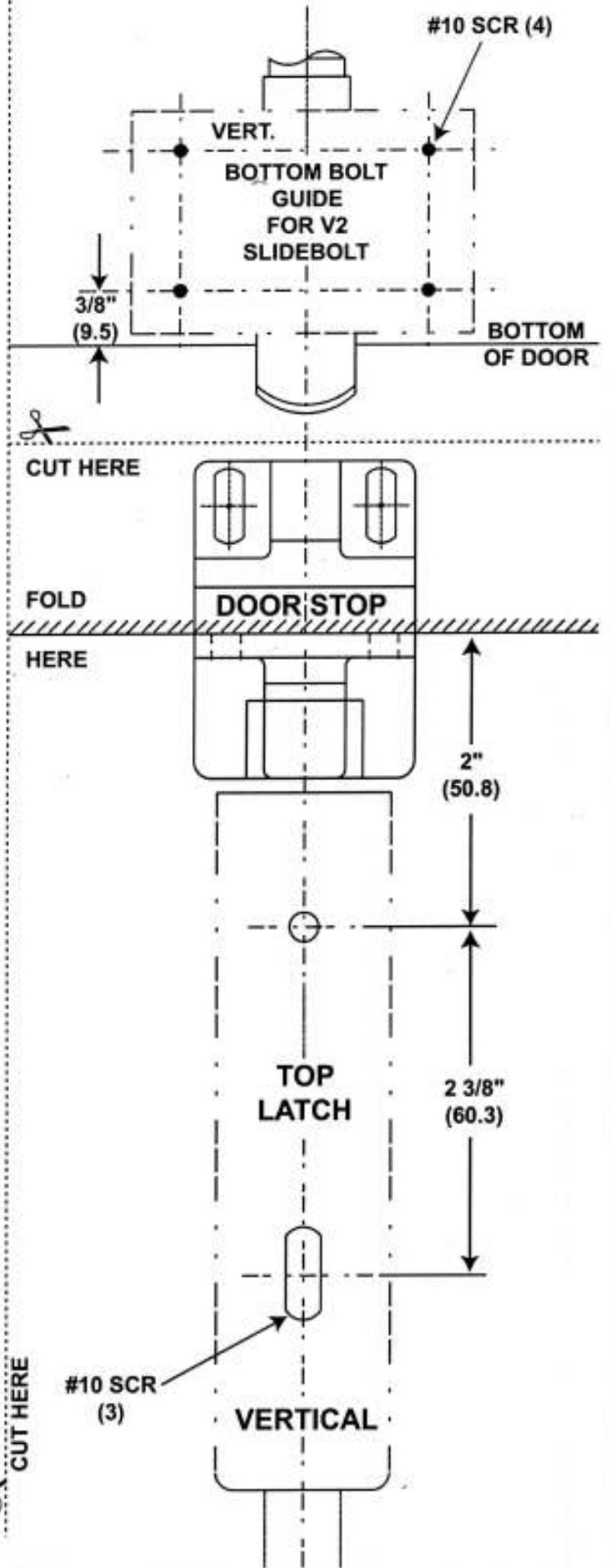
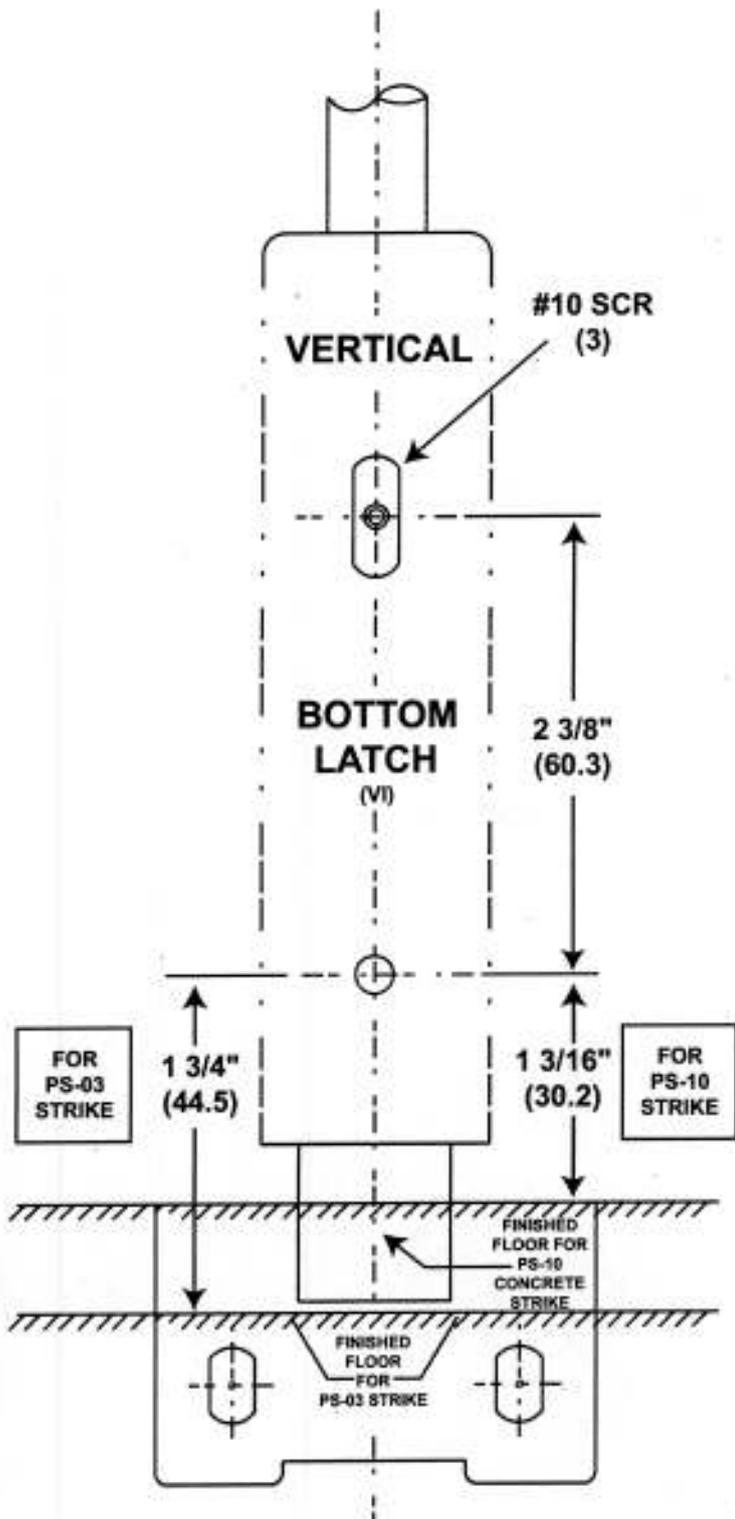
- C1.** Slide cylinder into knob.
- C2.** Replace sleeve.

D. Reinstalling in knob

- D1.** With key inserted part way into cylinder slide knob onto knob shank.
- D2.** Depress knob catch button and push knob onto the knob shank as far as it will go.
- D3.** Insert key completely into the cylinder and turn the key while pushing on the knob until it engages the knob catch button
- D4.** Return key to its vertical position and remove it.
- D5.** Pull on the knob to be certain it is properly engaged to the knob catch button.



Screw Chart		
Item	Quantity	Fastener
Front plate assembly and rear bracket	5	# 12 x 1-1/4" lag pan head tapping screws type "A"
Top Strike	2	# 10 x 1" truss phil head wood screws
Top and Bottom Latch	5	# 10 x 1" truss phil head wood screws
Top and Bottom Rod Guides	4	# 10 x 1" pan head tapping screws type "A"
Bottom Latch Cover	1	# 10 x 1" flat phil head wood screws
Bottom Strike	2	# 10 x 1" truss phil head wood screws and 1/4-20 x 3/4" flat phil head machine screws and anchors



ED2227 Exit Device Template

