

ED7400 Series

Surface Vertical Rod

Exit Devices

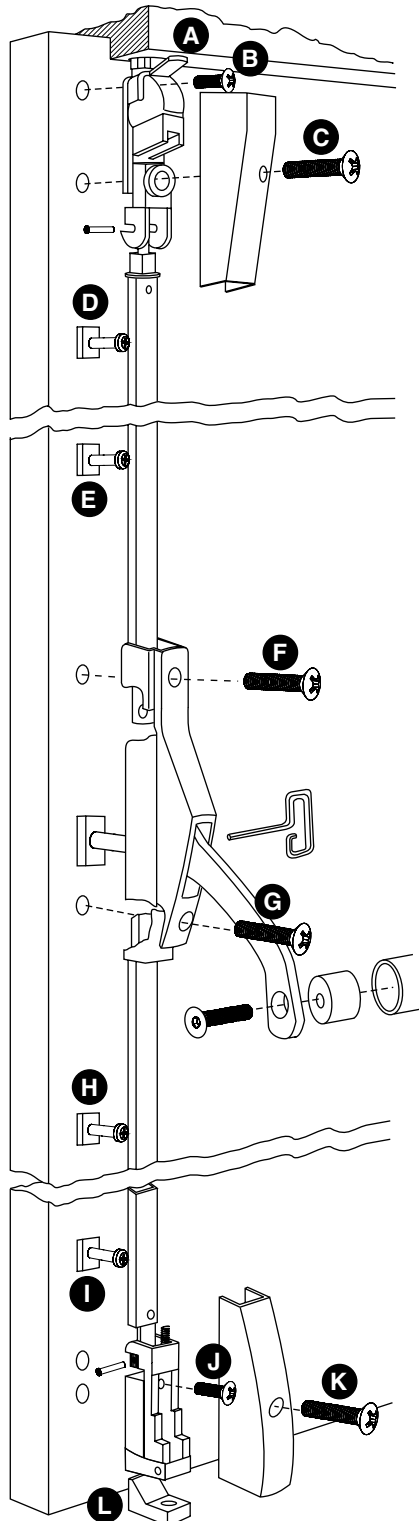


WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

1

Screw Guide



Screw Guide		
Screw	Wood Door	Metal Door
A	Top Strike #12 Round Head WS	#12-24 Pan Head Machine Screws
B	1/4-20 Binding Head Machine Screw and 7/16" Sex Nut	
C	1/4-20 Oval Head Mach Screw and 7/16" Sex Nut	
D	#12 Round Head WS	#12 Round Head Tapping Screw (Use 5/32" drill)
E	#12 Round Head WS	#12 Round Head Tapping Screw (Use 5/32" drill)
F	1/4-20 Oval Head Mach Screw and 7/16" Sex Nut*	
G	1/4-20 Oval Head Mach Screw and 7/16" Sex Nut*	
H	#12 Round Head WS	#12 Round Head Tapping Screw (Use 5/32" drill)
I	#12 Round Head WS	#12 Round Head Tapping Screw (Use 5/32" drill)
J	1/4-20 Binding Head Machine Screw and 7/16" Sex Nut	
K	#14 Oval Head WS	1/4-20 Oval Head Self Tapping (Use #3 drill)
L	Surface Bottom Strike #14 Flat Head WS	1/4-20 Flat Head Mach Screws x 3415 Star Anchor or equiv.
M	Flush Bottom Strike #14 Flat Head WS	1/4-20 Flat Head Mach Screws x 3415 Star Anchor or equiv.

*Sex Nut not required if outside trim used.

Figure 1

2

Locate All Inside Holes On Centerline

1. Spot and drill holes B to J for screws and sex nuts (as listed in screw guide - Figure 1 on page 2). (Figure 2) **SPOT G FIRST.**

NOTE: 13/16" (21mm) minimum distance between stop and centerline with single doors. With pair of doors, 1-3/16" (30) minimum centerline to edge of door.

NOTE: If you have outside operator and trim, use case mounting holes F and G to locate trim template.

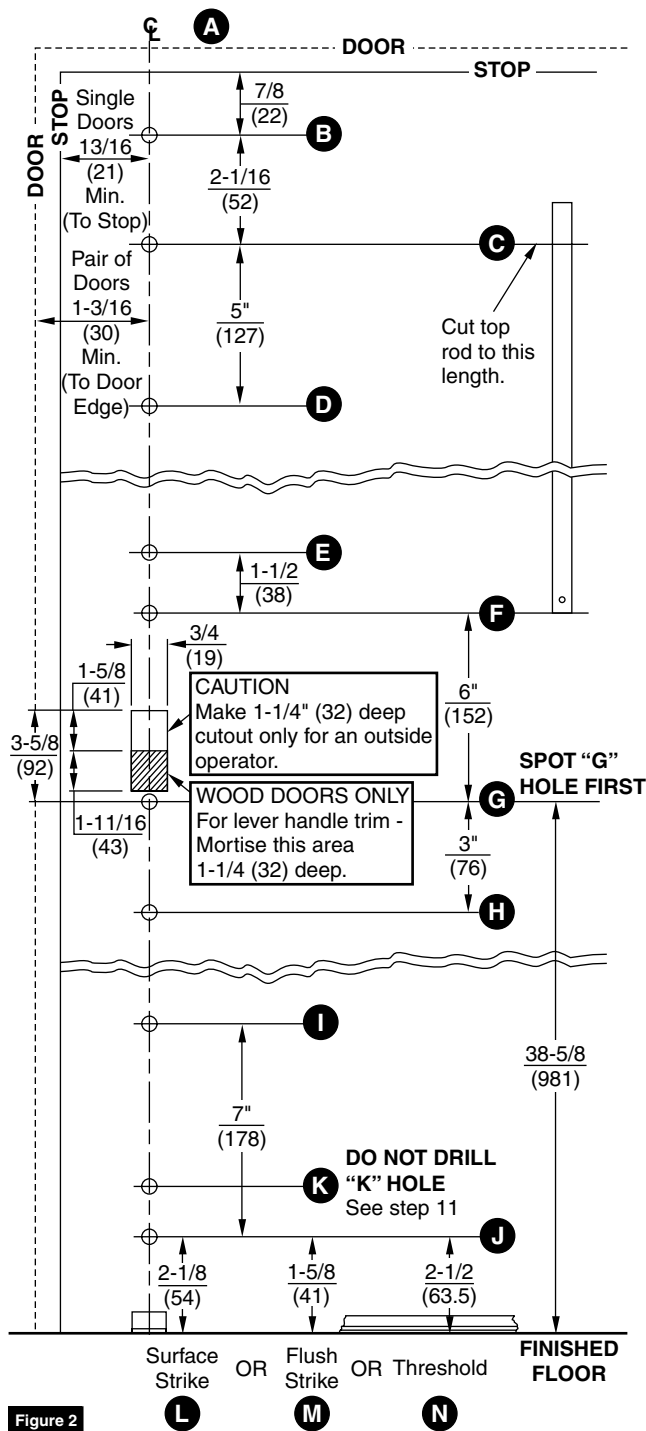


Figure 2

3

Mount Top and Bottom Strikes

Using centerline established on door, close door and mount strikes against door.

NOTE: Except for flush bottom strike. See drawing for position. (Figure 3)

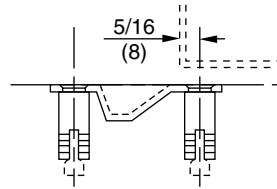


Figure 3

4

Cut and Assemble Top Rod

1. Measure distance from bottom screw hole "C" of top latch case to top screw hole "F" in active case. (Figure 2 on page 3)
2. Cut undrilled end of top rod to this length.
3. Seat adjustable rod connector as shown in cut end of rod. (Figure 4)
4. Using hole as guide, drill through connector and rod.
5. Secure with expansion rivet from front of rod. (Figure 5)

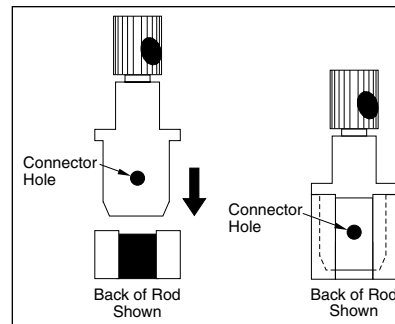


Figure 4

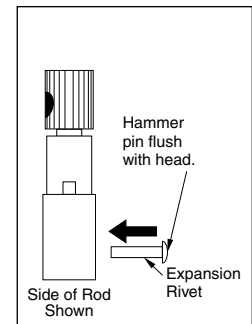


Figure 5

5

Insert Rod Guides - Position Top Rod

1. Install 4 top and bottom rod guides exactly on centerline. (D, E, H, I; Figure 2 on page 3)
2. Seat screw but do not crush guide.
3. Rotate guide "D" so track is horizontal. (Figure 6)
4. Slip top rod over guide and rotate to vertical position, sliding rod down over guide "E". (Figure 7)

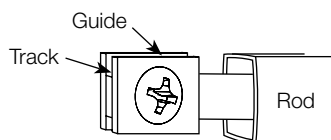


Figure 6

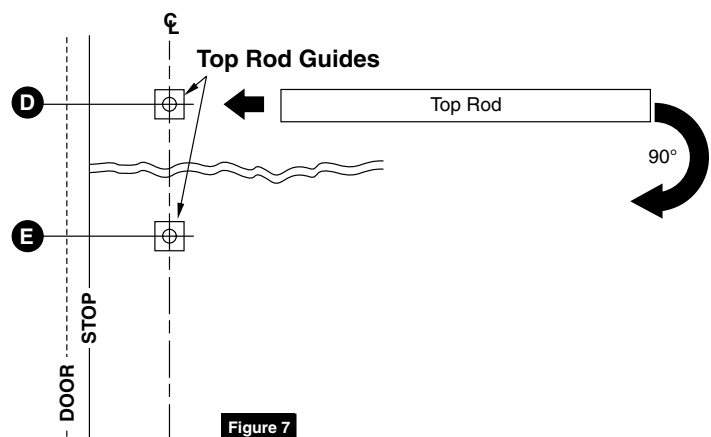


Figure 7

6

Mount Top Latch Frame

Retract latch and secure case with screw “B”.
(Figure 8)

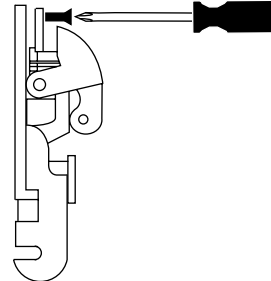


Figure 8

7

Mount Bottom Rod

1. Turn guide “I” so track is horizontal.
(Figure 9)
2. Slip bottom rod over guide and rotate to vertical position, sliding rod up over guide “H”. (Figure 10)

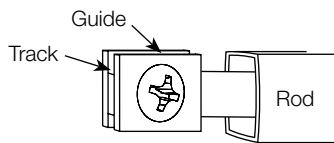


Figure 9

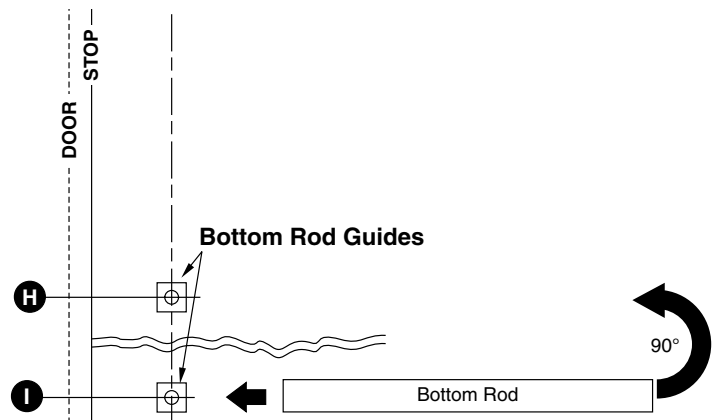


Figure 10

8

Mount Active Case and Attach Rods

1. Position case so that pins in back engage holes in top and bottom rods. (Figure 11)
2. Secure with screws F and G.
(Figure 1 on page 2)

NOTE: If you have outside trim follow template furnished.

TO REVERSE HAND:

1. Remove two (2) screws from back of each case to separate bodies from covers.
2. Switch covers and reassemble.

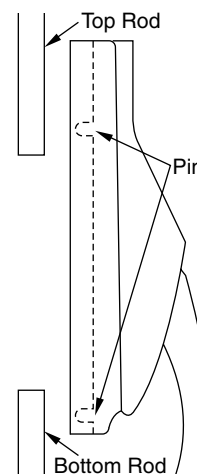


Figure 11

9

Mount Inactive Case and Crossbar

1. Mount inactive case level with active case.
2. Measure distance between bottom of levers and add 3/16" (5mm). (Figure 12)
3. Cut crossbar to this length. Remove burrs.
4. Remove tenon from active case lever and insert in cross bar so it is flush with end.
5. Place open end of crossbar over tenon on inactive case lever. (Loosening screw slightly will make easier fit.) Tap screw with mallet if necessary.
6. Position other end of crossbar in recess in active case lever. Insert screw through lever into tenon. Finger tighten. (Figure 13)
7. Seat bar in levers by rocking crossbar to seat tenon pins. (Figure 14)

NOTE: Tightly secure screws using screwdriver through bow of dogging key. (Figure 15)

NOTE: If levers do not work freely, check for binding of levers due to improper bar length or case misalignment.

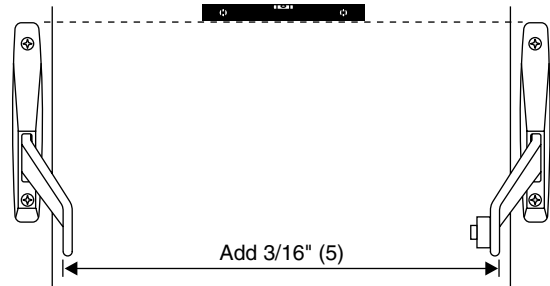


Figure 12



Figure 13

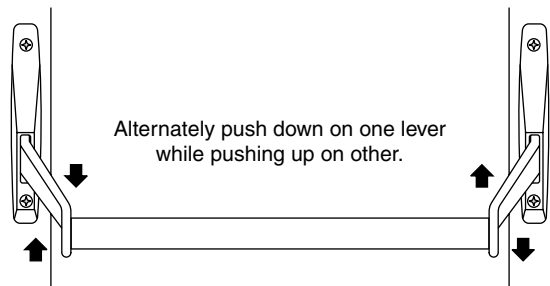


Figure 14

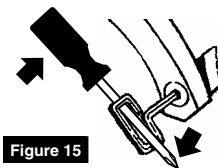


Figure 15

10

Adjust Top Latch

1. Shut door.
2. Turn adjustable rod connector until head touches underside of slide. (Figure 16)
3. Insert pin. (Figure 17)
4. Depress crossbar.
5. If latch does not retract completely, remove pin and turn connector out one (1) turn.
6. Repeat until latch bolt just disengages.

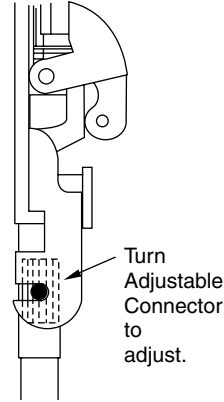


Figure 16

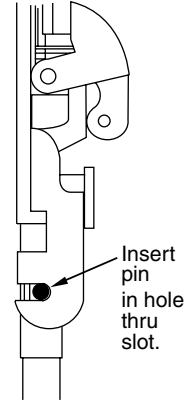


Figure 17

NOTE: For maximum security, do not over-adjust.

11

Mount Bottom Latch Frame

1. Insert screw "J" through slot in frame into bottom hole. (Figure 18)
2. Position frame so that latch just engages strike. (Figure 19)
3. Tighten bottom screw.
4. Using hole "K" in frame as a guide, drill door through hole in frame.
5. Insert screw "K".

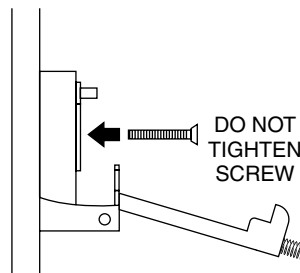


Figure 18

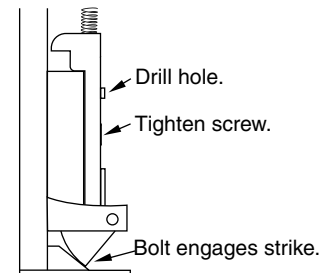


Figure 19

12

Adjust Bottom Rod Length and Engage Latch

1. Dog down active case.
2. Turn adjustable rod connector so that latch bolt is flush with bottom of frame. (Figure 20)
3. Insert pin in adjustable rod connector. (Figure 21)
4. Undog active case.

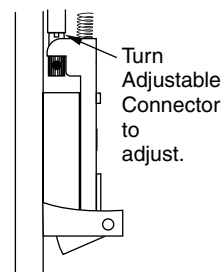


Figure 20

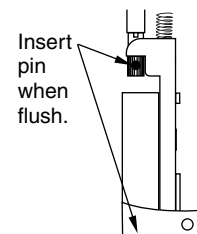


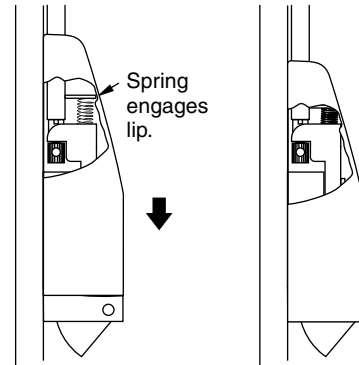
Figure 21

13**Mount Latch Covers****Bottom**

1. Position bottom latch cover above bottom latch frame and slide down to engage spring. (Figure 22)
2. Secure with furnished screw.

Top

1. Position and secure with screw through bottom hole in frame.

**Figure 22****14****Test Operation**

Latches should tightly engage strikes in closed position.

If door can be pushed open without depressing crossbar, top rod connector has been over-adjusted. See Step 10.

When crossbar is depressed, latches should freely disengage strikes.

When active and inactive cases are dogged down, latches should disengage strikes.

If not, remove top and bottom latch cases and readjust adjustable rod connectors. See Steps 10 and 12.

Corbin Russwin
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

ASSA ABLOY is the global
leader in door opening solutions,
dedicated to satisfying
end-user needs for security,
safety and convenience

Corbin Russwin is a brand associated with ASSA ABLOY Access and Egress Hardware Group, Inc., an ASSA ABLOY Group company. Copyright © 2018, ASSA ABLOY Access and Egress Hardware Group, Inc. All rights reserved. Reproduction in whole or in part without the express written permission of ASSA ABLOY Access and Egress Hardware Group, Inc. is prohibited.

For installation assistance contact Corbin Russwin
1-800-543-3658 • techsupport.corbinrusswin@assaabloy.com