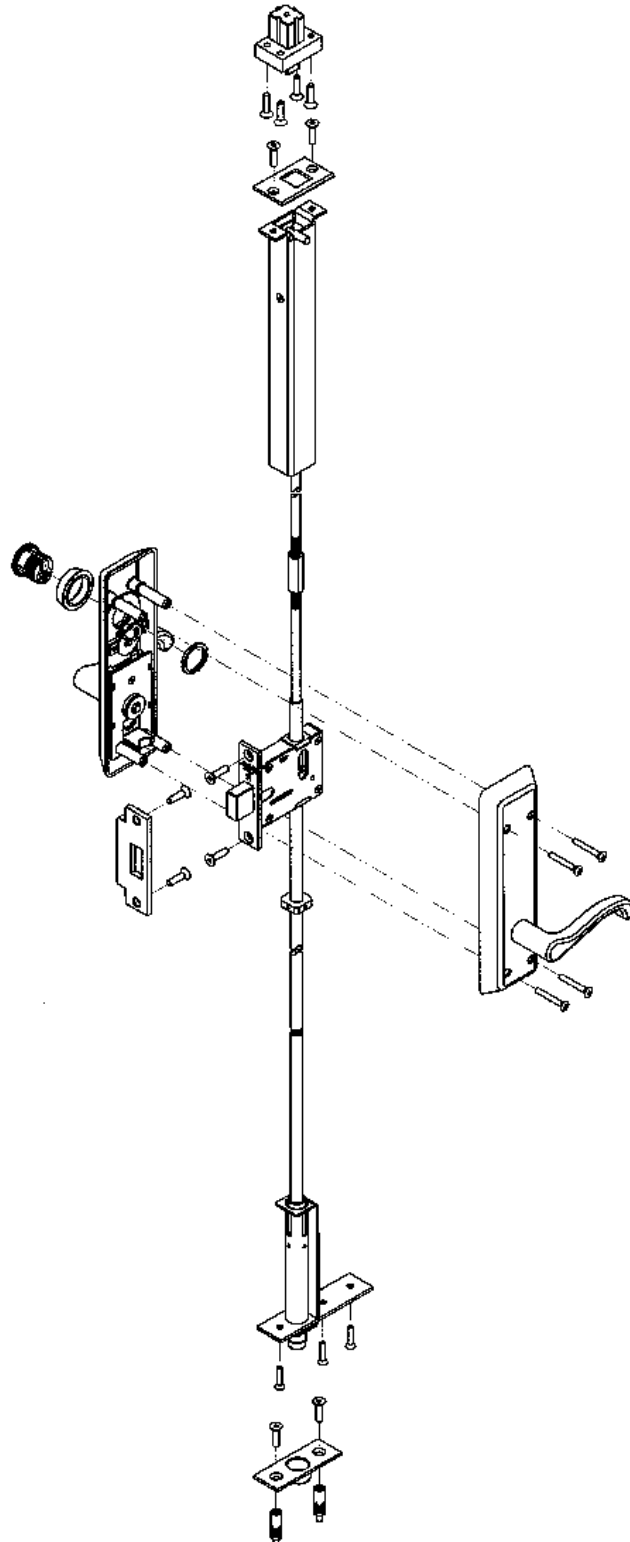


FE6800 Series Multi-Point Lock Installation Instructions

FM 276D 5/09 (617417710)



WARNING

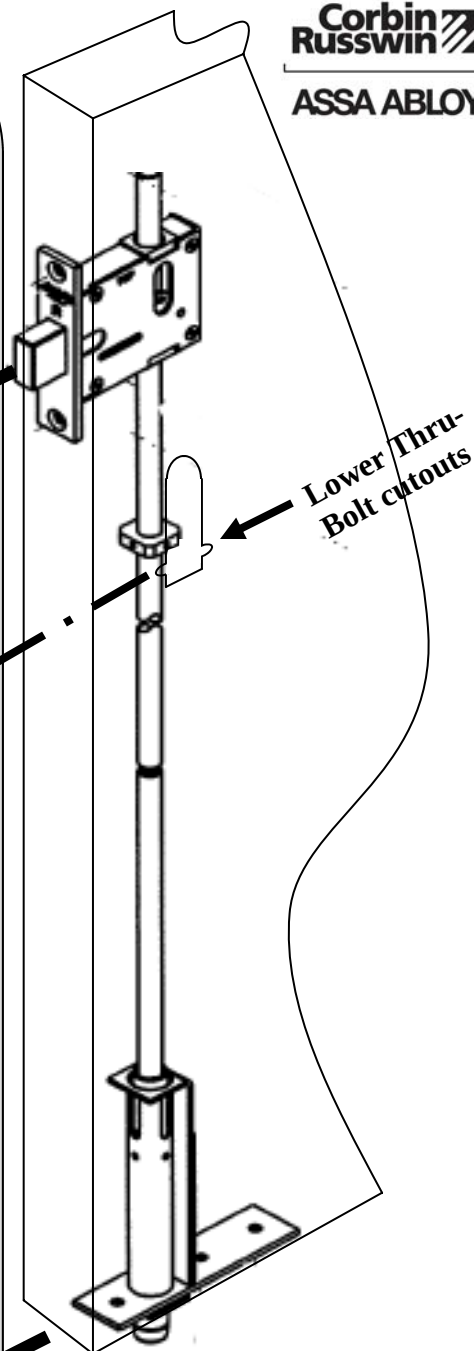
Device will not operate, if the distance from the bottom of the door to the center of the dead-bolt and the distance from the center of the deadbolt to the center of the lower thru-bolt cutouts are not within the dimensions shown here.

4 13/16"

CRITICAL DIMENSION !

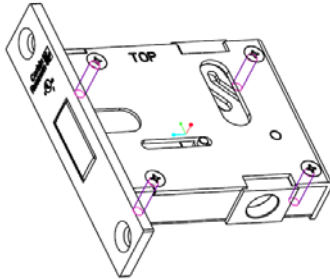
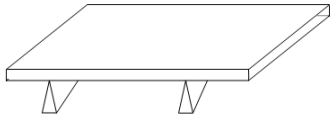
40 1/16"

A LOCK IN condition can occur and
EMERGENCY EGRESS will be
prevented if critical dimensions
are not met.



This device is intended to be part of an integrated door, frame and hardware assembly UL-approved for both FEMA 316 and FEMA 320 guidelines for both inswing and outswing doors. This instruction sheet will take you thru the following steps for full installation:

Step 1—Installation of the Deadbolt Assembly	4
Step 2—Installation of the Bottom Bolt Assembly.....	4
Step 3—Aligning the Bottom Bolt	5
Step 4- Installation of the Top Bolt Assembly	6
Step 5—Aligning the three assemblies in preparation for drilling and pinning	7
Step 6—Installation of cylinder in the outside trim	8
Step 7 –Installation of inside and outside trim	9
Step 8 –Assemble the top latch and deadbolt strike to the frame.....	10
Step 9 –Assemble the door to the frame	10
Step 10—Position and Install the bottom strike	11

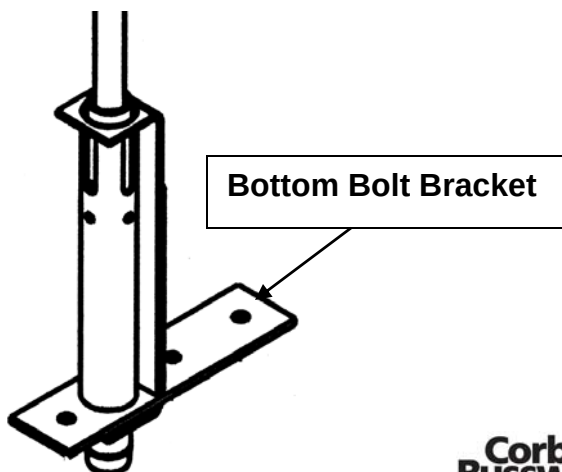


Step 1 – Installation of the Deadbolt Assembly

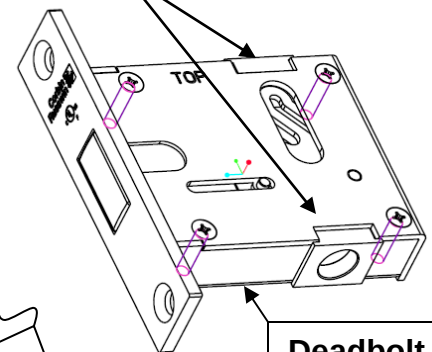
- Measure distance from bottom of door to center of deadbolt. If Not $40 \frac{1}{16}$ " correct the door before continuing (See page 2).
- Measure distance from center of deadbolt to center of lower thru-bolt cutouts. If Not $4 \frac{13}{16}$ " correct the door before continuing (See page 2).
- Place the door on a horizontal surface with the inside face of the door up.
- Insert the Assembly into the lock pocket provided in the door. Note the orientation of the lock, the top of the case indicates that this should be toward the top of the door.
- Assemble the Lock to the edge of the door using (2) $\frac{1}{4}$ "-20 by 1" Flat Head Cap Screws.
- *Deadbolt should be retracted for assembly.*

Step 2 – Installation of the Bottom Bolt Assembly

- Slide the Bottom Bolt Sub Assembly into the prep. hole in the bottom of the door. As you guide the assembly up into the door you will need to align the top of the rod and guide it into the bottom nylon guide of the Deadbolt Assembly and then up thru the top nylon guide.
- Seat the bracket of the bottom bolt against the door's lower reinforcement plate.
- Fasten the assembly to the bottom of the Door using (3) #12-24 by 1" Flat Head Cap Screws.



Nylon Guides



Deadbolt Assembly

WARNING:
Device will not operate, if the distance from the bottom of the door to the center of the deadbolt is not $40 \frac{1}{16}$ " and the distance from the center of the deadbolt to the center of the lower thru-bolt cutouts is not $4 \frac{13}{16}$ "

Corbin
Russwin

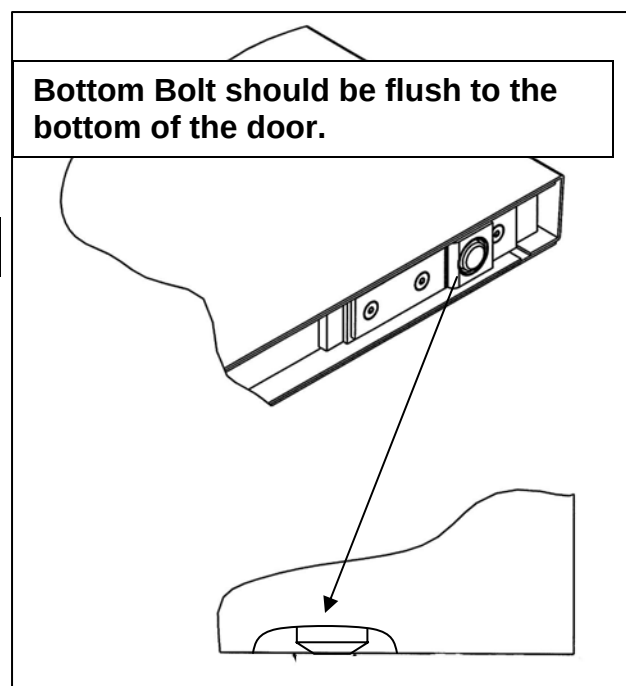
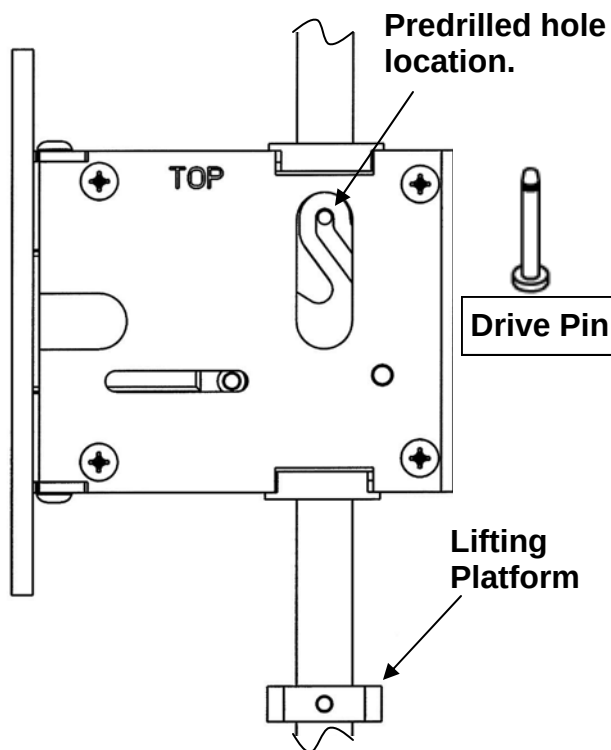
ASSA ABLOY, the global leader in door opening solutions ASSA ABLOY

Step 3 – Aligning the Bottom Bolt

- Insert the drive pin into the predrilled hole, push the lifting platform toward the Deadbolt Assembly until it stops and check the bottom bolts position. It should be flush to the bottom of the door.
- If the bottom bolt is not in the position shown remove the drive pin and rotate the lifting platform CCW to retract the bottom bolt and CW to extend the bottom bolt.
- Insert the drive pin and recheck the bottom bolts position.

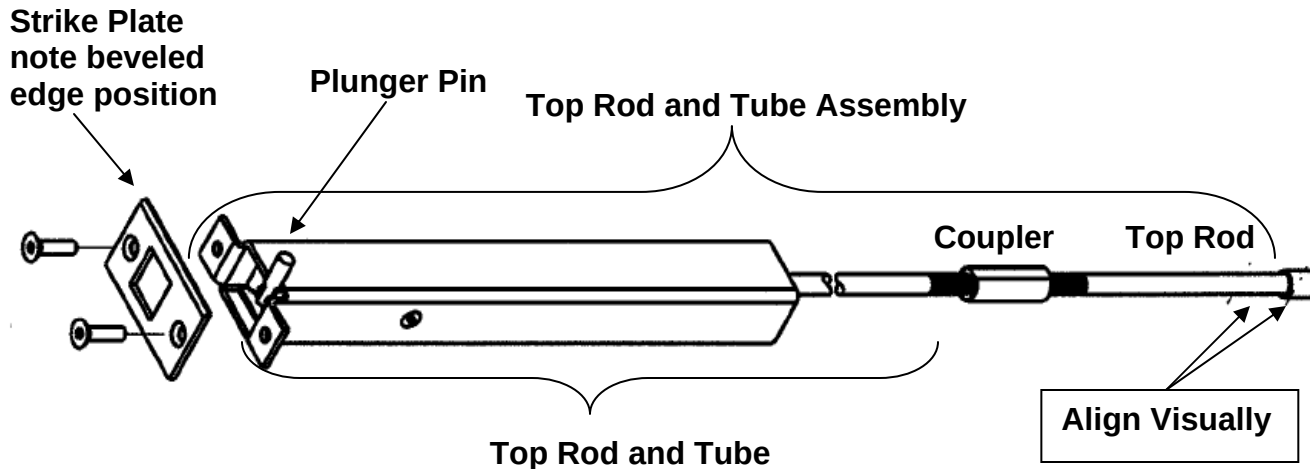
NOTE: 1 full turn of the lifting platform results in a 1/16" adjustment, repeat until the bottom bolt is flush to the bottom of the door.

- Remove the drive pin for the next step.

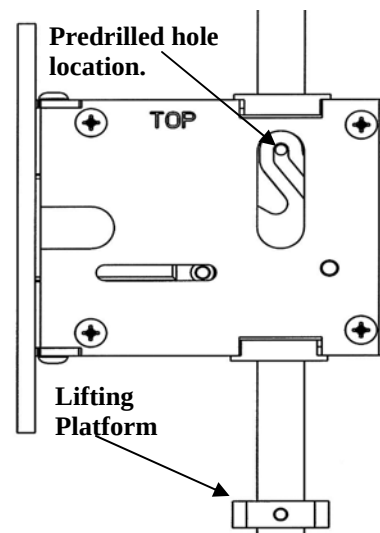
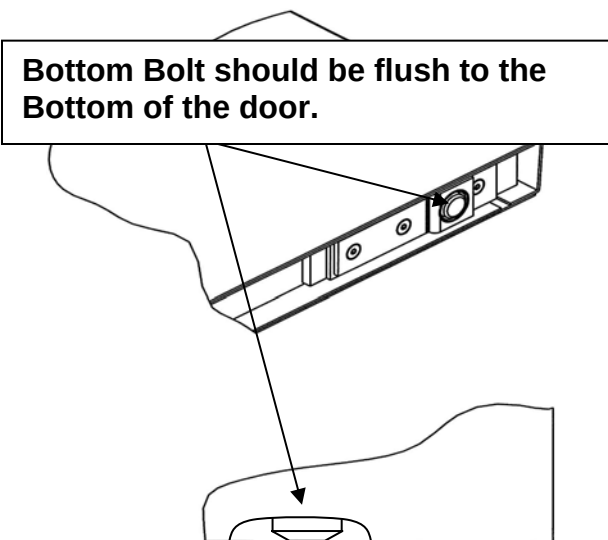


Step 4 Installation of the Top Bolt Assembly

- Assemble the preassembled Coupler and Top Rod to the Top Rod & Tube, by threading the Coupler onto the Rod of the Top Rod and Tube. Slide this assembled unit into the prep at the top of the door making sure the Plunger Pin is oriented with the clearance slot on the stop side of the door.
- Visually align the Top Rod so that it enters the tube of the Bottom Bolt Sub Assembly that extends out of the Deadbolt Assembly.
- Fasten the Top Rod and Tube Assembly and Strike Plate to the top of door using (2) #12-24 by 1" Flat Head Cap Screws. See the Illustration below. Use a #8-32 screw threaded into the pusher to pull the Pusher out as far as it will go. (See Fig. 1 on Page 7)



- To prepare for drilling and final pinning, check the bottom bolt it should be flush to the bottom of the door.
- Make sure the Deadbolt is retracted then position the predrilled hole in the Bottom Bolt Assembly as shown. Adjustment is made by rotating the Lifting Platform CCW to move the predrilled hole down and CW to move the predrilled hole up. After adjustment recheck the location of the bottom bolt making certain that it did not move.



Step 5 Aligning three assemblies in preparation for drilling and pinning.

- Check the position of the strike plate and pusher, the pusher must be out as far as it will go. (See Fig. 1)
- To prepare for drilling actuate the deadbolt lever to project the Deadbolt. This will allow better access to the predrilled hole and avoid damage to the linkage. (See Fig. 2)
- Check Bottom Bolt position see Fig. 3
- Using the predrilled hole as a guide, drill a 1/8" hole thru the top rod perpendicular to the door face. Clear any chips as a result of drilling. Retract the deadbolt before pinning.
- Insert the drive pin from the underside of the door thru the actuating slot in the deadbolt linkage, into the drilled hole, and out thru the deadbolt linkage.
- Secure with the spring washer, make certain this connection allows the linkage to move freely.

Insert an #8 – 32 screw to aid in pulling the pusher out as far as it will go.

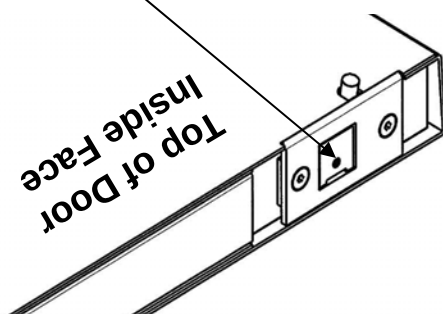


Fig. 1

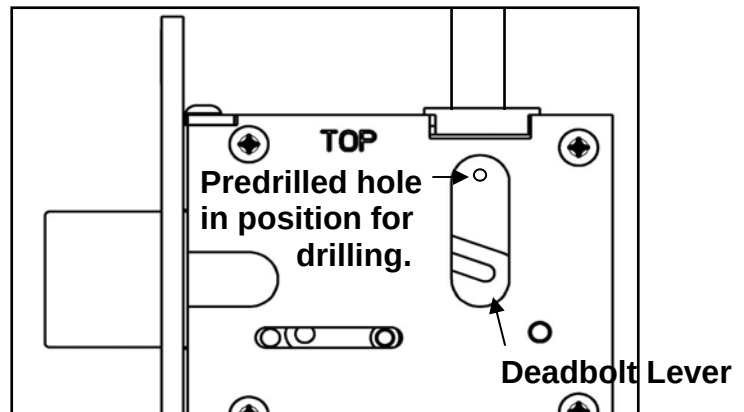


Fig. 2

Note:

- After drilling the Deadbolt must be returned to the retracted position for the pinning operation.
- After pinning remove the #8-32 screw from the pusher.

Bottom Bolt should be flush to the bottom of the door.

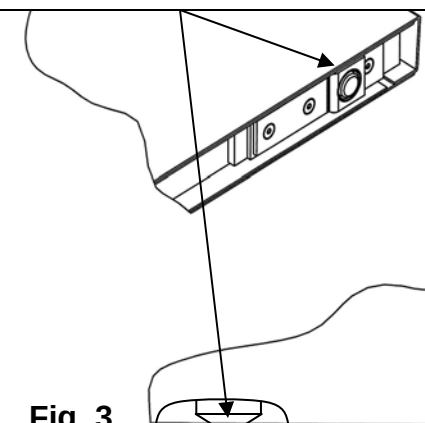
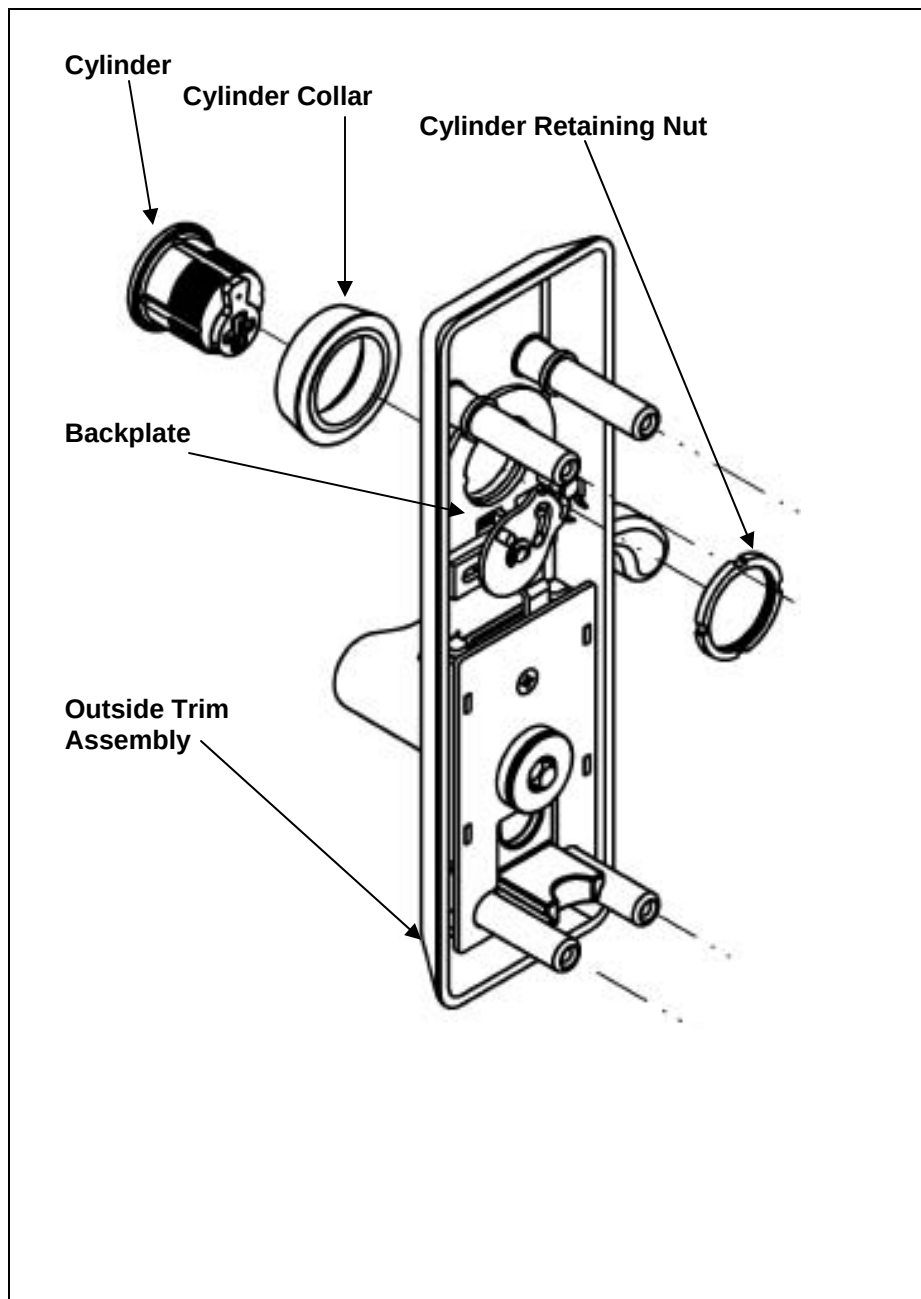


Fig. 3

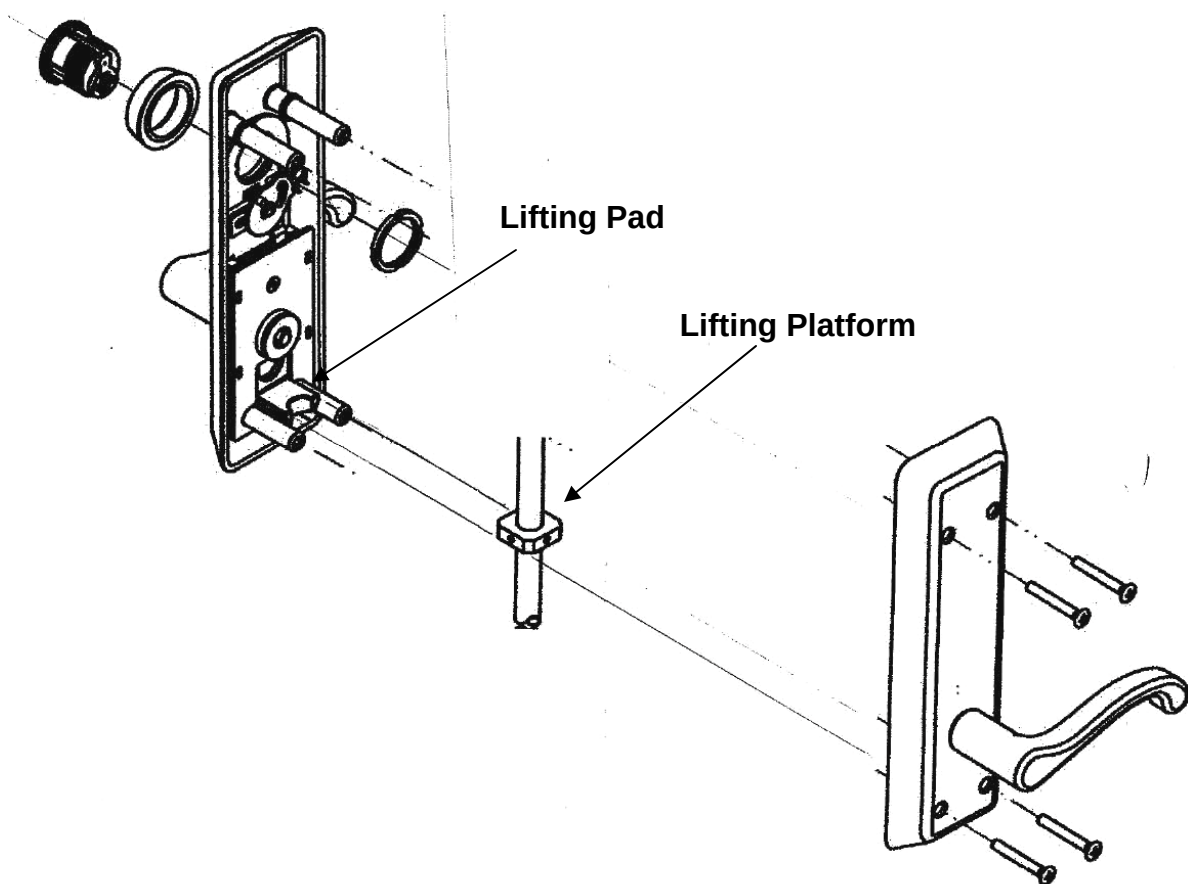
Step 6 Installation of Cylinder in Outside Trim

- Insert the Cylinder into the Cylinder collar
- Place the cylinder retaining nut against the backplate of the outside trim assembly.
- Feed the cylinder and cylinder collar into the cylinder hole of the escutcheon and screw it into the cylinder retaining nut.
- When the cylinder is fully seated with the cam straight up as shown, secure it to the escutcheon by tightening the cylinder retaining nut.



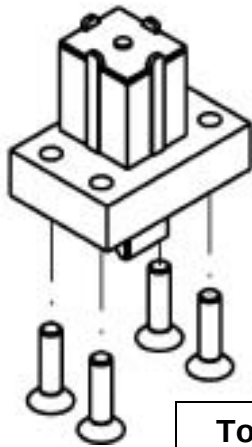
Step 7 Installation of Outside and Inside Trim

- Install the outside trim by inserting it from underneath the door (outside face).
- As it enters the door cavity the lifting pad in the escutcheon will rest on the underside of the lifting platform.
- Press the outside escutcheon against the door surface.
- Install the inside trim by placing it over the door prep and positioning the lifting pad of the inside trim below the lifting platform.
- Visually align the mounting holes of the inside escutcheon to the mounting posts from the outside escutcheon.
- Insert 4 mounting screws #12 – 24 by 1 ½" and tighten screws

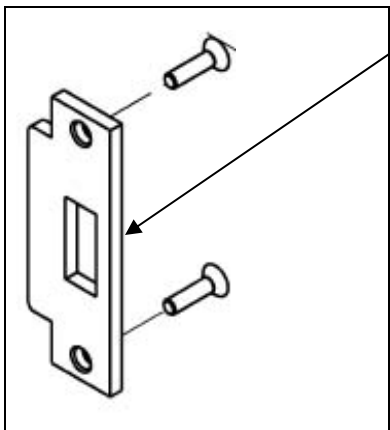


Step 8 Assemble the Top Latch and Deadbolt Strike to the frame.

- Assemble the Top Latch into the top of the frame using (4) $\frac{1}{4}$ - 20 by 1" Flat Head Cap Screws. The angled surface should face the door.
- Assemble the Deadbolt Strike to the frame using (2) $\frac{1}{4}$ - 20 by 1" Flat Head Cap Screws.



Top Latch

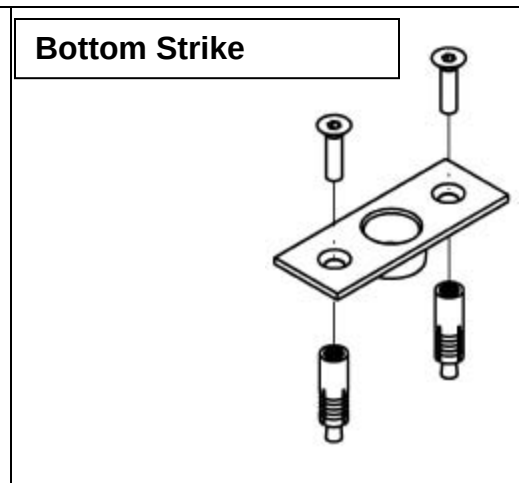


Deadbolt Strike

Step 9 Assemble the Door into the frame assembly and shim for proper door gap and for door being square and plumb.

STEP 10 Position and Install the Bottom Strike.

- Close the door and use the bottom bolt as a guide to trace the location for the clearance hole for the boss of the Bottom Strike.
- Open the door and drill a clearance hole for the 1 1/8" diameter boss on the Bottom Strike.
- Place the boss of the Bottom Strike into the clearance hole and use the Bottom Strike as a template to mark the position for the (2) 1/4" 20 by 1" Anchors and outline the rectangular shape of the Bottom Strike.
- Drill the holes for the anchors.
- Prepare a rectangular recess for the 1/8" thick Bottom Strike
- Insert the masonry anchors into the concrete sill.
- Fasten the Bottom Strike to the sill using (2) 1/4" - 20 by 1" screws.



End of Installation Instructions

In U.S.: Corbin Russwin, Inc.
225 Episcopal Road
Berlin, CT 06037-4004
www.corbinrusswin.com

In Canada: ASSA ABLOY DDS Canada
160 Four Valley Drive
Vaughan, ON, L4K 4T9
www.assaabloy.ca

Technical Product Support:
Telephone: 888-607-5703
Fax: 800-659-7293



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

Copyright © 2008-2009 Corbin Russwin, Inc., an ASSA ABLOY Group company. All rights reserved. Reproduction in whole or in part without the expressed written permission of Corbin Russwin, Inc. is prohibited.