

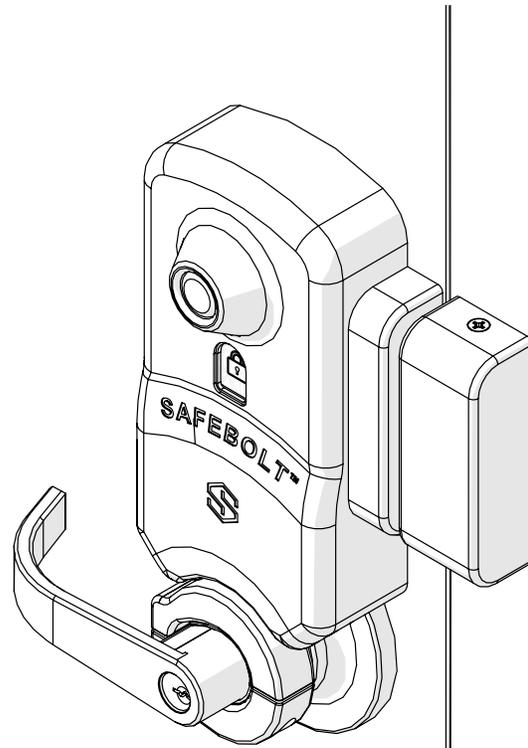
INSTALLATION INSTRUCTIONS:

SAFEBOLT™

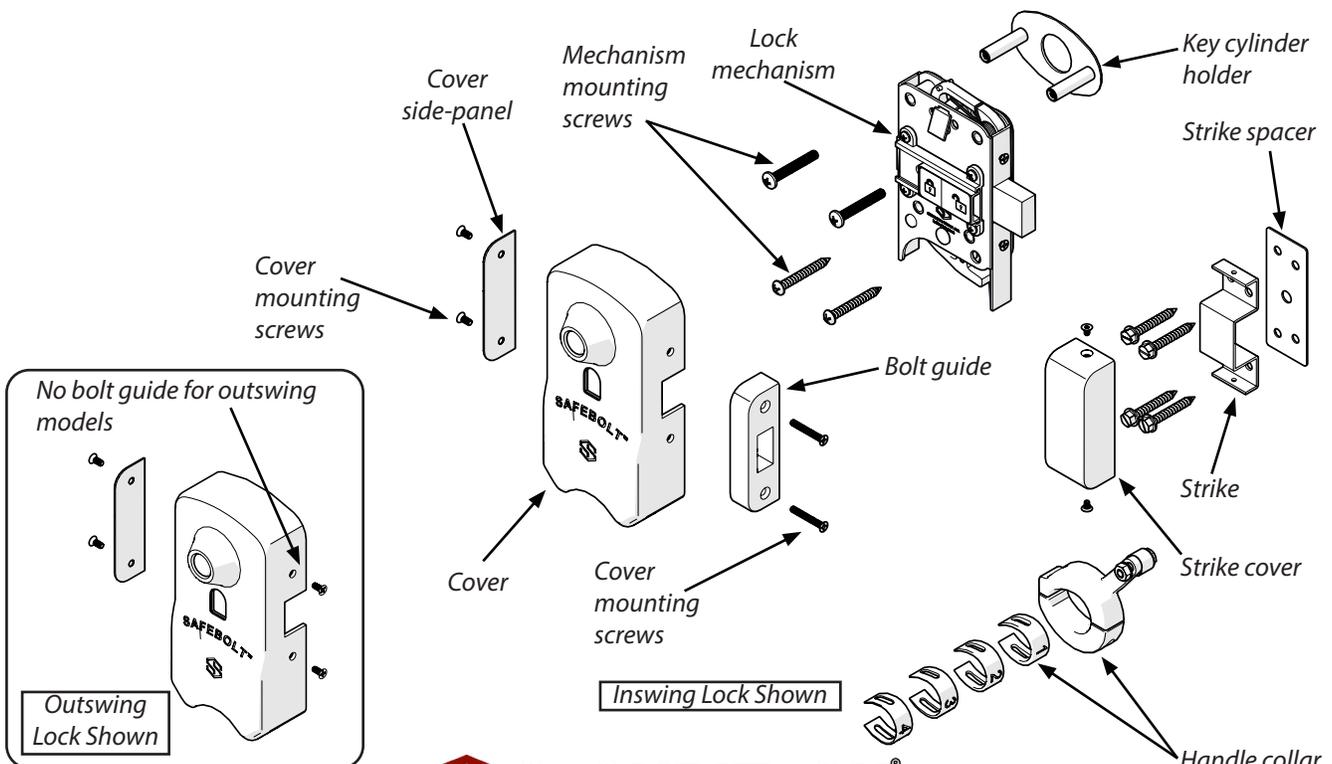
- Template(s):** Refer to model number
- Use with Series:** Safebolt Locks
- Tool(s) Required:** Screw drivers: Phillips, slotted,
Allen keys: 5/64"
Drill bits: 1-1/4", 7/16", 11/64", #29,
1/8"
7/16" wrench
Blue Thread Locker

 **NOTE:** Parts received may be slightly different from parts shown in this document.

Please refer to packing list for details on parts received and fasteners received.



RH Inswing Shown



 **SECURITECH**
54-60 46th St., Maspeth, NY 11378
www.securitech.com
718-392-9000

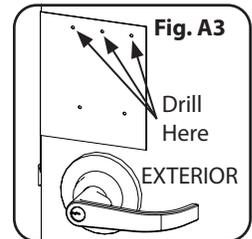
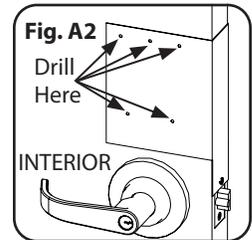
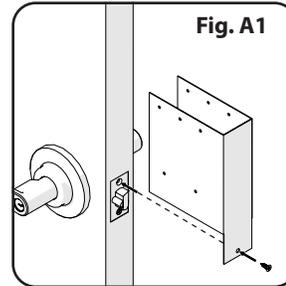
SAFEBOLT INSTALLATION INSTRUCTIONS

BEFORE YOU START

- **The steel SAFEBOLT template is ordered and supplied separately – make sure you have one!**
- SAFEBOLT works with most cylindrical levers. Consult factory if working with unit locks.
- Door must swing freely. Existing lockset must be securely fastened and fully operational.
- Lever must rest parallel to floor.
- Backset of existing lever must be 2-3/4”.
- Door thickness must be 1-3/4”.
- SAFEBOLT is handed (RH, LH, LHR or RHR) and is not field reversible.

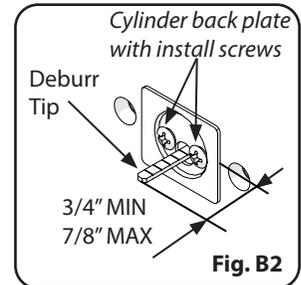
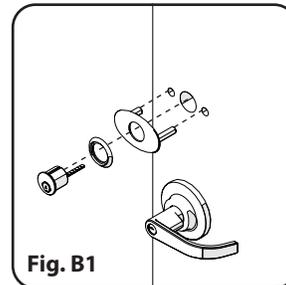
A. TEMPLATING & DRILLING

1. Remove top screw from latch faceplate. Fasten the metal template to top hole in latch faceplate with screw. See Fig. A1.
2. Make sure template is level and tight.
 - a. Interior: Mark all 5 holes. See Fig. A2.
 - b. Exterior: ONLY mark top 3 holes. See Fig. A3.
 - c. Hold metal template firmly and drill 1/8” pilot holes half way through the door on each side.
 - d. Remove the reusable template. Reinstall screw.
3. Enlarge holes according to paper template provided, drill from each side of the door.



B. MOUNTING CYLINDER

1. Insert rim cylinder into cylinder ring and oval mounting plate into mounting holes. See Fig. B1.
 - a. Cylinder tail piece must be oriented horizontally. See Fig. B2.
 - b. Cylinder tail piece should project no more than 7/8” on inside face of door. Cut and deburr tip. See Fig. B2.
 - c. Fasten with rim cylinder's back plate and two install screws. Check cylinder alignment. Hand tighten only.

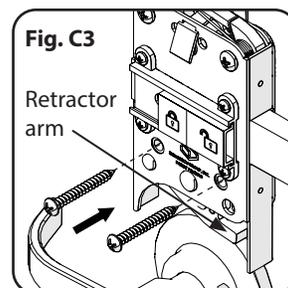
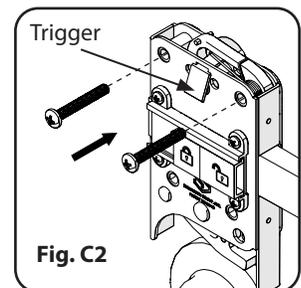
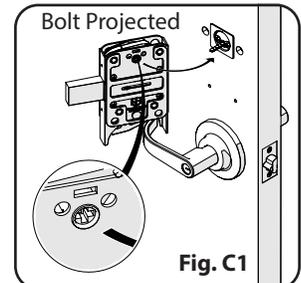


C. MOUNTING THE SAFEBOLT

Hand tighten only - do not use power driver!

Use blue thread locker.

1. Press trigger at top of mechanism to project the bolt. See Fig. C2.
 - a. Place mechanism on door, lining up with cylinder tail piece, with key removed. See Fig. C1.
 - b. Finger tighten the top two thru-bolts. See Fig. C2.
2. Make sure mechanism edges are vertical and parallel with the door edge.
 - a. Install the two lower screws, hand tighten. See Fig. C3.
3. Check for smooth operation.
 - a. Retract the bolt by lifting retractor arm up in the bottom of the mechanism by hand. See Fig. C3.
 - b. Press trigger to project bolt. See Fig. C2.
 - c. Test cylinder operation by retracting and projecting bolt by key.



SAFEBOLT INSTALLATION INSTRUCTIONS

D. FASTENING THE LEVER COLLAR

1. Line up the inserts. #1 is the thickest insert. Place each inserts on the interior lever and check for the gap between insert and lever. The right insert is when the collar can be closed and it is snug and doesn't slide. Once the right insert is found, make a note of the number, and use this for all the same lever styles.

Install plastic insert on interior lever. See Fig. D1.

2. Place the top collar over the lever with arm towards the latch. See Fig. D2.
3. Place the bottom collar under the lever and secure collar with two pan head screws, keeping the collar level. See Fig. D2.

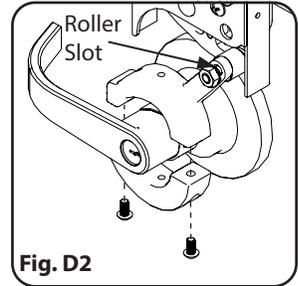
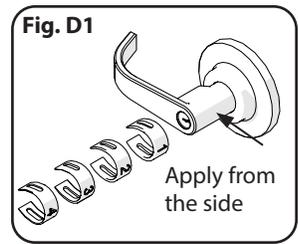
Note: Apply blue thread locker to the pan head screws.

Do not overtighten.

4. Test and adjust the roller:
 - a. Depress lever slowly to retract bolt. Bolt should fully retract slightly before end of lever travel.
 - b. If bolt does not retract fully and jumps out, raise the roller higher in its slot (use 7/16" wrench).
 - c. If the bolt still twitches or moves while retracted, lower the roller.
 - d. Firmly tighten the two set screws on the collar.

Do not overtighten. Do not use power driver.

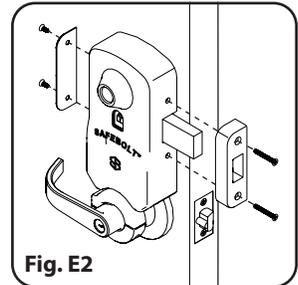
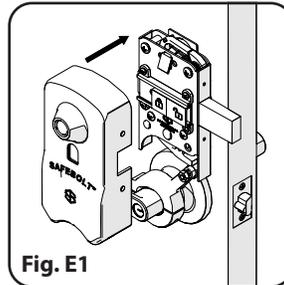
5. Hand tighten the two set screws at the centers of the top and bottom of the collar. The screw tips must pass through the plastic insert slots and engage the lever.



E. COVER AND BOLT GUIDE INSTALLATION (IN SWING DOORS)

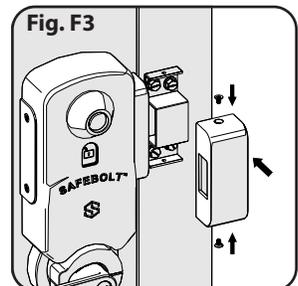
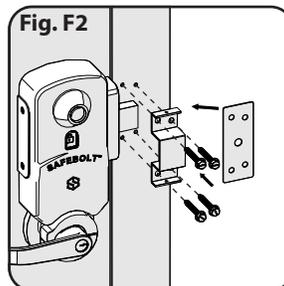
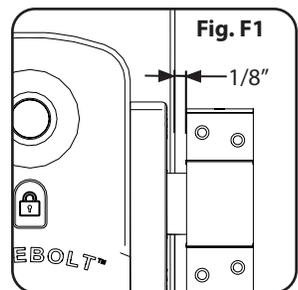
1. Place the cover over the mechanism. See Fig. E1 & E2.
 - a. Fasten the cover side-panel with two screws.
 - b. Fasten the bolt guide over the bolt with two long screws.
2. Test the operation
 - a. Press the red button. The bolt should project freely.
 - b. Depress lever to retract the bolt. The lever must return to the horizontal position.
 - c. Turn key to project and retract bolt.
 - d. If the bolt projection and retraction is not smooth, the roller needs to be adjusted until it is smooth. Remove cover, and adjust roller.

Note: Safebolt has a locking bolt, not deadbolt.



F. STRIKE INSTALLATION (IN SWING DOORS)

1. Project the bolt. Center the strike over the bolt, and set it 1/8" away from the frame edge. See Fig. F1.
 - a. Mark four holes, remove strike, and retract the bolt.
 - b. Use a 3/16" Tapcon masonry pilot bit to drill four holes.
 - c. Fasten strike with four Tapcon concrete screws. Use provided strike shim if needed. See Fig. F2.
4. Mount strike cover over metal strike with two screws. See Fig. F3.
5. Test operation with door closed.

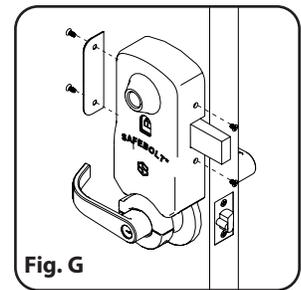


FLIP PAGE FOR OUTSWING INSTRUCTIONS

G. COVER INSTALLATION (OUTSWING DOORS)

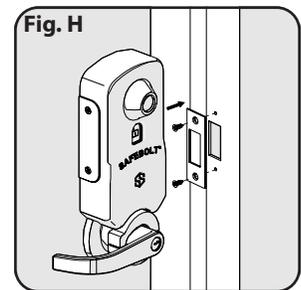
1. Place the cover over the mechanism.
 - a. Place the cover side panel and secure with two screws. See Fig. G.
 - b. Fasten the front of the cover with two screws.
2. Test the operation
 - a. Press the red button. The bolt should project freely.
 - b. Depress lever to retract the bolt. The lever must return to the horizontal position.
 - c. Turn key to project and retract bolt.
 - d. If the bolt projection and retraction is not smooth, the roller needs to be adjusted until it is smooth. Remove cover, and adjust roller.

Note: Safebolt has a locking bolt, not deadbolt.



H. STRIKE INSTALLATION (OUTSWING DOORS)

1. Mark strike location
 - a. With door closed, push red button to project bolt. Trace the outline of bolt where it touches the frame.
 - b. Depress lever to retract bolt. Open the door.
2. Place the strike on the frame, narrow side of the door. See Fig. H.
 - a. Align strike over marked bolt outline. Allow extra space between bottom of outline and bottom of strike opening.
 - b. Mark holes and strike opening cut-out. Remove strike.
 - c. Drill two 1/8" pilot holes for mounting screws.
 - d. Make the bolt cut out in the frame at least 1" deep. Clean out debris. Deburr edges of cut-out.
3. Install the strike with two sheet metal screws.
4. Test operation with door closed.



Troubleshooting Guide

Before attempting to troubleshoot, make sure that door frame is square and plumb, door is not sagging, and clearances are correct.

PROBLEM	POSSIBLE CAUSE	RECOMMENDED ACTIONS
Handle not returning to fully horizontal position	• Collar not horizontal or has shifted	• Adjust collar.
Bolts drag or not releasing smoothly	• Plastic cover misaligned.	• Check the cover for misalignment or interference.
Bolts not fully projecting with door closed	• Strike misaligned.	• Check strike plate alignment.
Key not retracting bolt or does so with difficulty	• Cylinder tail piece misaligned with slot in mechanism.	• Check that cylinder hole in door is drilled straight. Adjust hole as necessary.
Key not retracting bolt or does so with difficulty	• Bolt not projected during mechanism installation.	• Remove mechanism and cylinder assembly. Restart installation from Section B.
Handle has limited movement or retracts bolt prematurely	• Retractor pedal pushed by plastic collar instead of roller.	• Adjust collar forward or backward along lever shank so only the roller contacts retractor pedal.
Handle has limited movement or retracts bolt prematurely	• Roller too high along slot.	• Adjust roller position along slot.

Operating Instructions, Testing and Maintenance

- SAFEBOLT waits in a "Ready" state until the red button is pushed to instantly lock down the door with a solid stainless steel locking bolt. When triggered, the lock status window turns from white to red, indicating a locked state.
- Bolt is retracted/projected by key.
- Test SAFEBOLT using the red button with the door closed 3-4 times per year as part of school's routine safety drill protocol.
- Alert your facility maintenance staff immediately if SAFEBOLT is not working correctly, or the lever does not spring back horizontal after retracting the bolt.
- To ensure long service life, remove excessive dust and debris from the lock and strike. The maintenance staff needs to lubricate the lock from time to time.



Questions? Please call Tech Support

800-622-5625

SAFEBOLT INSTALLATION INSTRUCTIONS