Tru-Lock Installation Instructions
(Replacing Existing Deadbolt Assembly)

Tools required: Drill & bits, router (1 ¾ hp min), ½" router bit with top guide bearing, Phillips screwdriver, router fixture, doorframe template, etc???

Step 1
Inspect door to make sure it is a 2-bore design with entry handle in the bottom bore and the deadbolt in the top bore. See Photo 1

Photo 1

Preparation of doorframe

Step 2
Open door and inspect deadbolt strike plate that is mounted to the jam of the doorframe. If the strike plate includes a dust plug, the strike should be removed so the dust plug can be pulled out of the frame. Re-install the deadbolt strike plate. See Photo 2A and 2B

Photo 2a
Dust plug inside deadbolt strike plate

Photo 2B
Dust plug has been removed

Step 3
Insert the plug at the bottom end of the frame template into the deadbolt strike. See Photo 3A *Note: The plugs on each side of the template are different sizes. Check the fit of each plug in the deadbolt strike plate and use the plug that has the best fit.*

Photo 3A

Position the frame template on the doorframe so it is parallel with the vertical edge of the doorframe. Hold the template firmly against the doorframe and trace the size of the two rectangular holes onto the doorframe. See Photo 3B

Photo 3B

Drill four 3/32” diameter pilot holes using template as a drill guide. See Photo 3C

Photo 3C

Remove the frame template. See Photo 3D

Photo 3D

Step 4
Cut the two rectangular holes into the doorframe.
See Photo 4

Photo 4

Step 5
Remove the existing deadbolt strike plate from the doorframe
And install the new cover plate provided in the kit. See Photo 5

Photo 5
Still needed after
cover plate is available

Step 6

Insert the two dust plugs into the rectangular holes (step 4) and install the two new deadbolt strike plates. Center the slotted holes of the new strike plates over the pilot holes (step 3) and secure each strike with two # 8 x 1 ¼" screws provided in kit. See Photo 6

Note: Do not install any additional screws into deadbolt strike plates at this time.

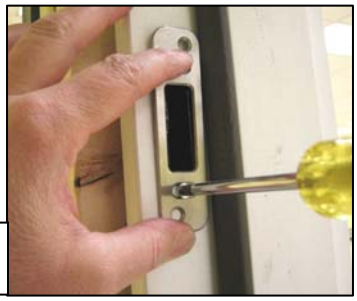


Photo 6

Preparation of door panel

Step 7

Remove the existing deadbolt assembly from the door.

Step 8

Remove the door from the hinges and take it to an open work area to prevent excessive mess in the residence. Carefully place the door on the hinged edge on a protective surface. Have an assistant hold the door in position or make sure it is adequately supported. See Photo 8

Photo 8

Step 9

Install router fixture onto the door panel by inserting the round boss at the bottom of the fixture into the 1" diameter hole that previously contained the deadbolt. See Photo 9A

Photo 9A

Position the centering clamp at the top of the router fixture onto the door panel and push router fixture tight against edge of door. Tighten the router fixture clamp. See Photo 9B

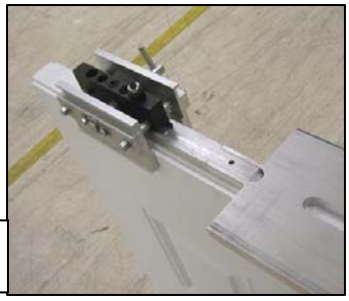


Photo 9B

Install flat head screw (size) into hole at bottom of router fixture to secure router fixture to door. See Photo 9C

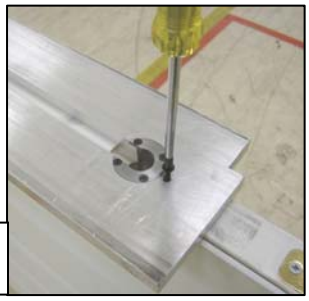


Photo 9C

Step 10
Insert router bit (must have top guide bearing) into router. Set depth of router bit using depth gauge notch on router fixture. See Photo 10

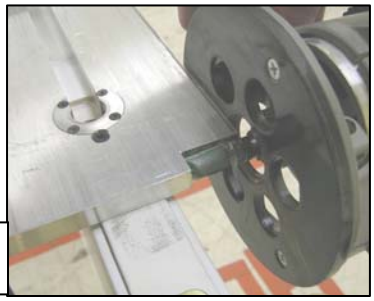


Photo 10

Step 11
Place router onto router fixture by inserting bit into clearance hole at bottom of router fixture. Make sure guide bearing on the bit is aligned with the guide surface of the router fixture. See Photo 11A

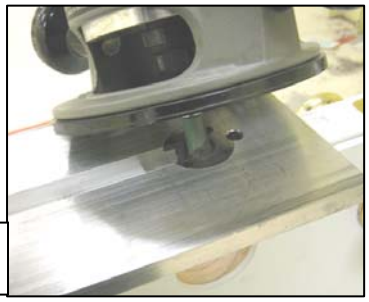


Photo 11A

Turn on router and cut the slot into the edge of the door panel using the router fixture to guide the bearing of the router bit. Make several passes around entire length of the router fixture to make sure slot is completely routed. Finished slot should be .625” wide x .750” deep. See Photo 11B

Photo 11B

Loosen centering clamp at top of router fixture (Step 9B) and remove flat head screw at bottom of router fixture (Step 9C). Remove router fixture from door panel.

Step 12
Install door panel back onto hinges in doorframe.

Installation of Tru-Lock into door panel

Step 13

Inspect deadbolt actuator assembly (removed from door in step 7) to see what type of internal drive mechanism it has. Select appropriate adaptor from kit to be used for re-installation of the deadbolt actuator. See Photos 13A, 13B, and 13C

Photo 13A
Adaptor installed on U-shaped keytail

Photo 13B
Adaptor installed on flat style keytail

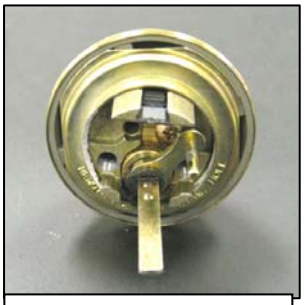


Photo 13C
Some deadbolts have an integrated actuator and require no adaptor

Step 14

Make sure slide bar is extended out from end of plastic adaptor housing. See Photo 14A
Insert Tru-Lock assembly into slot routed into edge of door panel. See Photo 14B
Secure Tru-Lock assembly into door panel using six # 8 x 2" screws provided in kit.

Photo 14A

Photo 14B

Step 15

Install adaptor selected in step 13 on the shaft of the deadbolt actuator.

Insert deadbolt into door panel making sure pin of adaptor or actuator engages proper hole in end of slide bar. See Photo 15
Note: Each hole is marked to identify it for the 2 3/8" or 2 ¾" backset of deadbolt assembly from edge of door.

Install interior half of deadbolt actuator and secure with the original mounting screws.

Photo 15
Actuator pin is shown in the 2 3/8" backset hole

Step 16
Actuate deadbolt to make sure both deadbolts of Tru-Lock assembly will fully extend to locked position.
Note: Both deadbolts should rise to a horizontal position and then drop slightly to lock in place.

Return Tru-Lock to unlocked position.

Step 17
Close door and move Tru-Lock to locked position to make sure both deadbolts properly extend into both strikes on the doorframe.

If deadbolts do not engage with strikes, each strike can be adjusted for alignment. To adjust strike, loosen the screws and slide strike as needed. Re-tighten screws and re-test position of strikes with deadbolts.

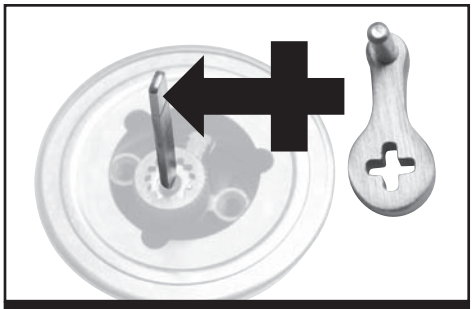
When strikes are properly aligned with deadbolts, the strikes can be fully secured to doorframe using two #8 x 2 ½" provided in kit for each strike. Drill 5/32" pilot holes through the doorframe only to prevent possible splitting of the doorframe during screw installation. See Photo 17
Note: Make sure there is adequate clearance for the 2 ½" long screws first. If there is an obstruction, (such as a glass side light, etc.) use the remaining 1 ¼" long screws. Drill 3/32" pilot holes if 1 ¼" screws are used.

Photo 17

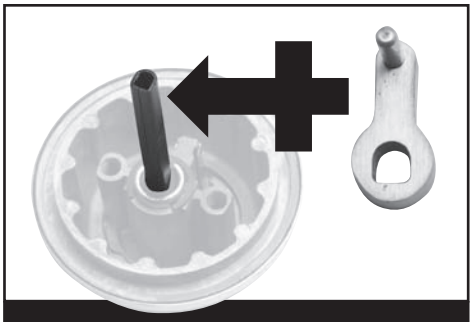
Important Installation Instructions of Tru-Lock® Mechanism

Refer to these instructions when installing your handle and making final adjustments to your door.

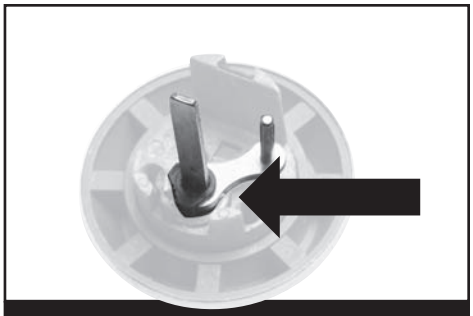
FIRST: Each Tru-Lock lock assembly comes with 2 adapters to allow fitting to different dead bolt handle sets. Your dead bolt assembly requires one of three (3) different actuator assemblies: Flat Style Keytail, U-Shaped Keytail and Integrated Actuator. Your Tru-Lock lock will work with each of these. See below.



FLAT STYLE KEYTAIL
Use the cross shaped actuator supplied with the Tru-Lock.

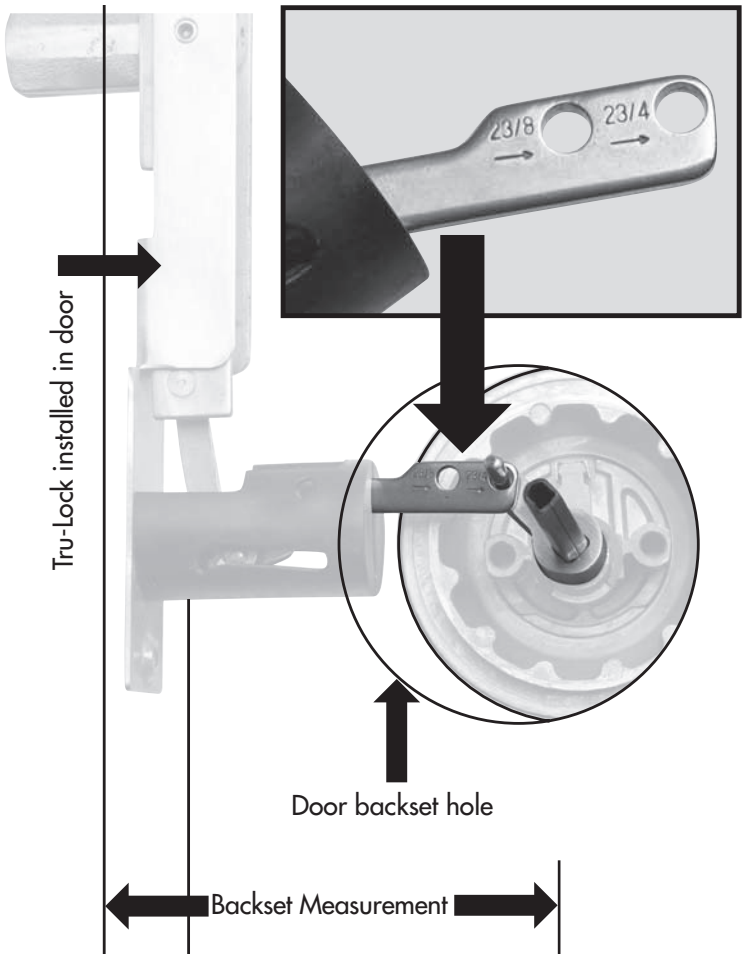


U-SHAPED STYLE KEYTAIL
Use the U-shaped actuator supplied with the Tru-Lock.



INTEGRATED ACTUATOR
Keytail with an integrated actuator are ready for install.

SECOND: The Tru-Lock will work with both 2 3/8" and 2 3/4" backset holes. However, in order for the lock to work properly, the shaft on the actuator must be inserted into the correct corresponding hole on the Tru-Lock slide bar. These holes are marked with 2 3/8" and 2 3/4".



THIRD: Four screw holes are stamped into each strike plate. First use the two slots for adjustment with the 1 1/4" screws. Set these screws lightly until alignment is correct. Then use the 2 1/2" screws in the two fixing holes.