INSTALLATION INSTRUCTIONS
REPLACING EXISTING DEADBOLT ASSEMBLY

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

PREPARATION OF DOORFRAME
STEP 2
Open door and inspect deadbolt strike plate that is mounted to the jam of the doorframe. Select the white plastic plug from the installation kit that fits in the strike the best. Install it onto the door router fixture by pushing it onto the pin. See Photo 2a, 2b, and 2c

Tools provided in Amesbury installation kit: (A) door router fixture, (B) doorframe router fixture, (C) 1/2” router bit with top guide bearing, (D) 1/4” router bit, (E) centering clamp, (F) 1/4” x 2 1/2” flathead bolt and 1/4” wing nut, (G) assorted deadbolt strike plugs, (H) door stops, (I) # 6 x 1 1/4” flathead screws, (J) # 8 x 1 5/8” sheetrock screws (K) wood cover plates

Additional Tools required: (L) Drill, (M) 3/32” drill bit and 3/8” drill bit, (N) router (1 3/4 hp min), (O) Phillips screwdriver, (P) wood chisel, (Q) hammer, (R) utility knife, (S) wood glue, (T) shop vacuum

Getting Started

Photo 1
Photo 2a Deadbolt strike plate
Photo 2b Checking fit of plastic plug
Photo 2c Plastic plug installed onto door router fixture

Part # 3359 Rev C
**STEP 3**
Insert 1/4” diameter router bit into router. Use width of doorframe router fixture to set proper depth of router bit. See Photo 3

**STEP 4**
Insert the plastic plug at the bottom end of the doorframe router fixture into the deadbolt strike. See Photo 4a

Position the doorframe router fixture on the doorframe so it is parallel with the vertical edge of the doorframe. See Photo 4b

Hold the doorframe router fixture firmly against the doorframe and drill four 3/32” diameter pilot holes using the door router fixture as a drill guide. See Photo 4c

Install four #6 x 1 1/4” screws from the installation kit into the pre-drilled holes to secure doorframe router fixture to the doorframe. See Photo 4d
**STEP 5**

**DO NOT INSERT ROUTER INTO OR REMOVE ROUTER FROM FIXTURE WHILE THE ROUTER BIT IS TURNING**

Drill a 3/8” diameter hole 1” deep into the center of each rectangular opening in the doorframe router fixture. This is a starter hole for the router bit. Now use the router to finish cutting the two rectangular holes into the doorframe using the doorframe router fixture as the guide. See Photo 5a and Photo 5b. *Note: Use vacuum to contain dust.*

**STEP 6**

Remove the existing deadbolt strike plate from the doorframe. Trim the wood cover plate provided in the Tru-Lock kit to the correct size to fill the mortise for the old strike plate. Use glue to secure the wood cover into the old mortise. Small brad nails can also be used to secure the wood cover. Sand and finish the wood cover as needed to match the existing frame. See Photo 6.

**STEP 7**

All parts installed in this step are provided in the Tru-Lock kit.

Insert the two dust plugs into the rectangular holes (step 5) and install the two new deadbolt strike plates. Center the slotted holes of the new strike plates over the pilot holes (step 4C) and secure each strike with two # 8 x 1 1/4” screws. See Photo 7a and Photo 7b.

*Note: Do not install any additional screws into deadbolt strike plates at this time*
**STEP 8**  
Remove the existing deadbolt assembly from the door. Do not discard any parts yet.

**STEP 9**  
Secure the door into an open position using the two doorstops provided in the installation kit. Make sure you have plenty of room to work with a router along the edge of the door. See Photo 9

**STEP 10**  
Assemble centering clamp to top of router fixture using 1/4 x 2 1/2” flat head screw and wing nut (all parts provided in installation kit). See Photo 10

**STEP 11**  
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 11a

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 11b. Note: Protect the finish of the door with a tissue or paper.

Install flat head sheetrock type screw provided in installation kit into hole at bottom of router fixture to secure router fixture to door. See Photo 11c

**STEP 12**  
Insert 1/2” diameter router bit with top guide bearing provided in installation kit into router. Set depth of router bit using depth gauge notch on router fixture. See Photo 12
Do Not Insert Router Into Or Remove Router From Fixture While The Router Bit Is Turning

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 13a

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 0.625” wide x 0.750” deep. See Photo 13b. Note: Use vacuum to contain dust.

Loosen centering clamp at top of router fixture (Step 11b) and remove flat head screw at bottom of router fixture (Step 11c). Remove router fixture from door panel. See Photo 13c and Photo 13d
INSTALATION OF TRU-LOCK INTO DOOR PANEL

STEP 14
Inspect deadbolt actuator assembly (removed from door in step 8) 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 14a, 14b, and 14c.

FLAT STYLE KEYTAIL
Use the cross shaped actuator supplied with the Tru-Lock. If that version is too narrow, use version 2.

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.

STEP 15
Install Plastic spacer (remove adhesive liner) to back side of Tru-Lock faceplate as shown and make sure slide bar is extended out from end of plastic adaptor housing. See Photo 15a.

Insert Tru-Lock assembly into slot routed into edge of door panel. See Photo 15b.

Secure Tru-Lock assembly into door panel using one # 8 x 1 1/4” screw in the bottom hole and five # 8 x 2” screws in the remaining holes (screws provided in Tru-Lock kit). If the door is a hard wood material, it may be necessary to drill 3/32” pilot holes for the mounting screws. See Photo 15c.

Note: If plastic spacer causes the Tru-Lock faceplate to extend beyond the face of the door it should not be used. The Tru-Lock faceplate should be flush with the door surface when the screws are tightened.
STEP 16

Install adaptor selected in step 14 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 16

Note: Each hole is marked to identify it for the 2 3/8” or 2 3/4” backset of deadbolt assembly from edge of door.

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

STEP 17

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 18

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. See Photo 18a.

When strikes are properly aligned with deadbolts, the strikes can be fully secured to doorframe using two #8 x 2 1/2” 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 18b.

Note: Make sure there is adequate clearance for the 2 1/2” long screws first. If there is an obstruction, (such as a glass side light, etc.) use the remaining 1 1/4” long screws. Drill 3/32” pilot holes if 1 1/4” screws are used.