

Deadbolt Installation/Single Cylinder and Double Cylinder

Tools Needed: Door Preparation

If your door is not pre-bored, see Door Preparation section.

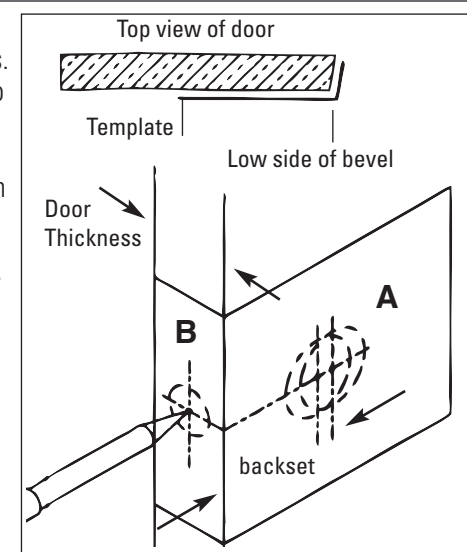
1. Pencil
2. Measuring Tape or Rule
3. 2-1/8" Diameter Hole Saw
4. 1/2" or 3/4" Wood Chisel
5. Drill and assorted bits 1/8", 5/32" and 1"

Tools Needed: Deadbolt Installation

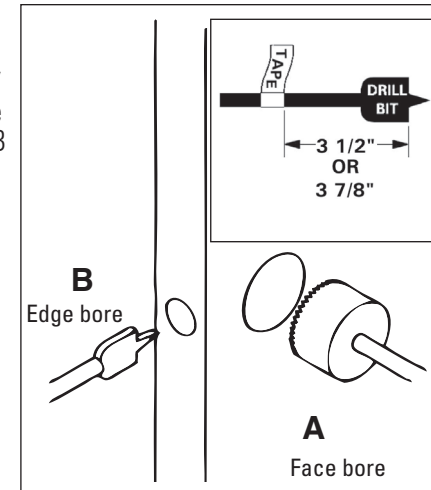
1. Measuring Tape or Rule
2. One pair needle-nose pliers
3. One pair slip joint or lineman's pliers
4. No. 2 and No. 3 Phillips Head Screwdrivers
5. 1/8" Allen Wrench (supplied)
6. Flat Head Screwdriver

Door Preparation

1. If you have a new door that is not pre-bored, follow these instructions. If your door is pre-bored, proceed to Single Cylinder or Double Cylinder Installation. The template provided must be taped to the door as shown to mark locations for drilling holes. To position the template, fold the template on line and locate on door at specified height (about 40" from the floor). **If the door is beveled**, place the folded edge on the low side of the bevel as shown in the illustration. Determine the door thickness and backset (2-3/8" or 2-3/4"). Mark the door for face and edge bores.



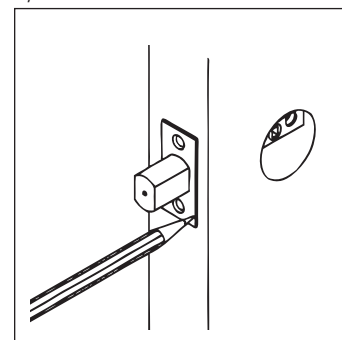
2. Drill the 2-1/8" diameter face bore (A) through the door. Drill 1" diameter edge bore (B) 3-1/2" deep for 2-3/8" backset, or 3-7/8" deep for 2-3/4" backset. To ensure the correct depth of hole B mark your drill bit using masking tape as shown in the illustration.



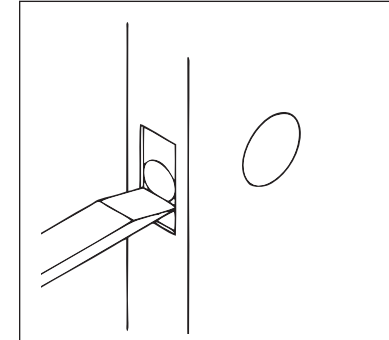
Caution: Re-check hole locations before drilling.

A- 2-1/8" DIAMETER
B- 1" DIAMETER

3. Insert deadbolt into edge of door. While holding faceplate, trace the outline of the faceplate onto the door edge. Mark screw hole centers and drill pilot holes with a 1/8" drill.

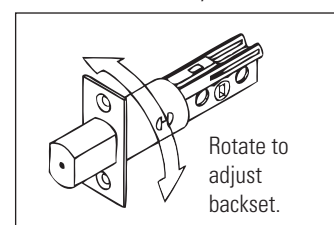


4. Chisel out the area marked for the faceplate to a depth of 5/32" or until the faceplate is flush with the door edge. Proceed to the "Installing the Deadbolt" section.

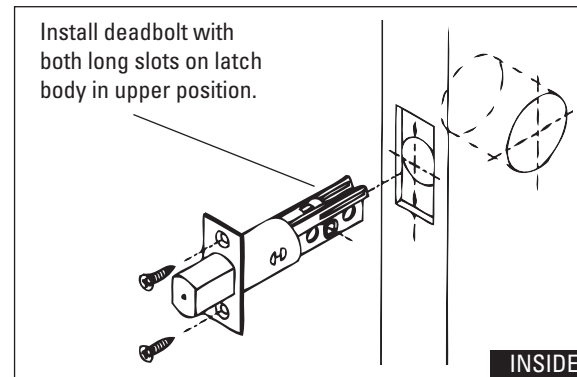


Installing Deadbolt

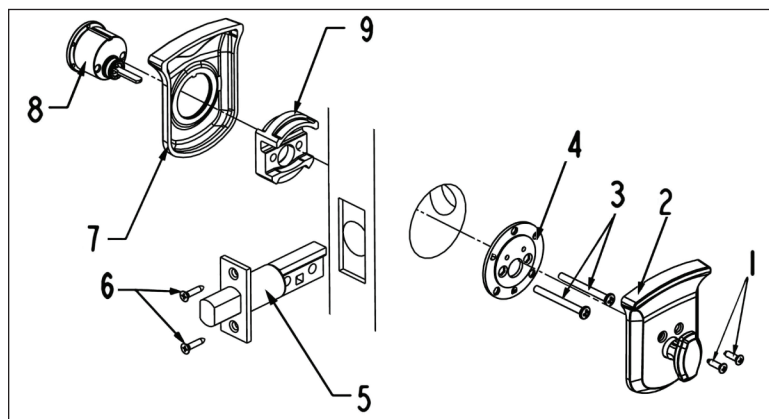
1. a. The deadbolt supplied with this unit has an adjustable backset feature. When removed from the box it will be set at 2-3/8" backset. To adjust the deadbolt to 2-3/4" backset, grasp the body and twist the faceplate / bolthead assembly 180 degrees until it stops. The unit is now ready for installation in 2-3/4" backset.



- b. Insert deadbolt. Secure with two #8 x 3/4" flat head combination screws provided (see diagram for proper positioning). Ensure deadbolt head is extended throughout installation procedure.



Exploded View Single Cylinder Deadbolt



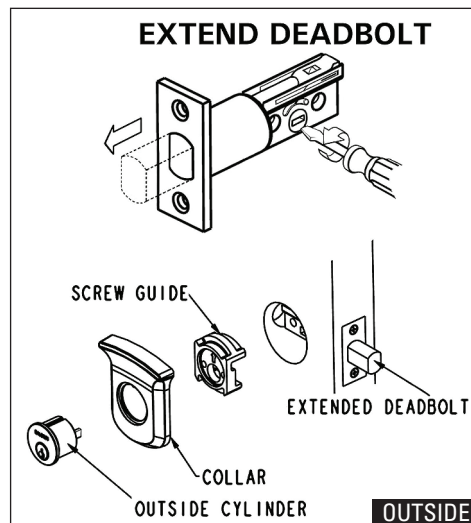
Parts Enclosed:

1. 2 each #8 - 32 Oval Head Machine Screw
- 1 Turnpiece Trim
- 2 each #10 - 32 x 1-7/8" Pan Head Machine Screw
- 1 Turnpiece Mounting Plate
- 1 Adjustable Backset Deadbolt
- 4 each #8 x 3/4" Flathead Combination Screws
- 1 Outside Cylinder Collar
- 1 Outside Cylinder
- 1 Screw Guide

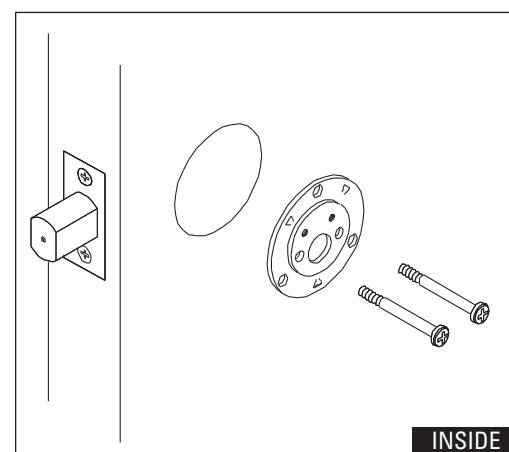
Note: See Strike Installation section for strike parts listing.

Single Cylinder Assembly

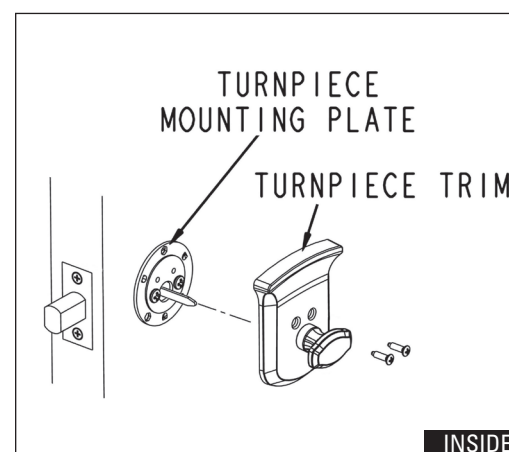
1. a. Extend the deadbolt using a flat head screwdriver as shown. From the outside of the door, place the Screw Guide in the bored hole so that it fits around the Deadbolt. **Note: The screw guide must be mounted from the exterior side of the door. The arrow on the screw guide must be visible and pointing up.** Place the Collar over the hole, and insert the Cylinder into the Collar and Deadbolt. Note: Cylinder tailpiece must be vertical when installing cylinder. Hold in place while moving to step b. **Do not insert key into the Cylinder during this procedure.**



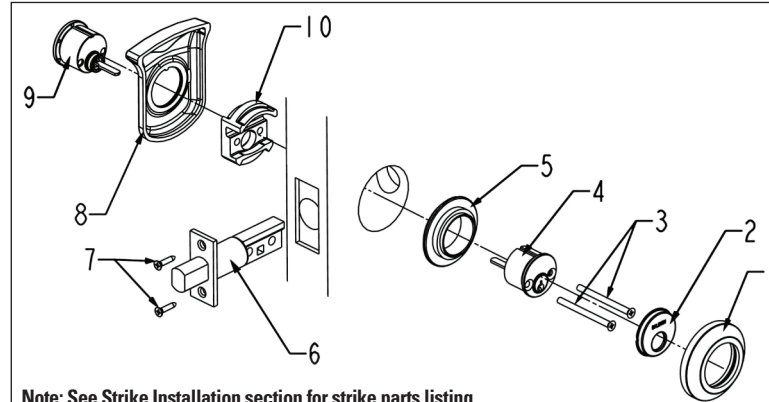
- b. Place the Turnpiece Mounting Plate over the bore on the inside of the door. When positioned properly the word "Top" will be at the 12 o'clock position and against the door (not visible). Insert two #10-32 x 1-7/8" pan head machine screws through the two holes in the Mounting Plate, through the deadbolt, and into the threaded holes on the back side of the Cylinder. Check that the Mounting Plate is centered on the bore in the door and rests flat against the door. Tighten the screws.



- c. Place the Turnpiece Trim over the Mounting Plate. The turnpiece must be horizontal as shown in the illustration. The cylinder tailpiece, in the vertical position, must slide into the turnpiece slot. Attach the Turnpiece Trim to the Mounting Plate with two #8-32 x 5/8" oval head machine screws. Tighten the screws.



Exploded View Double Cylinder Deadbolt



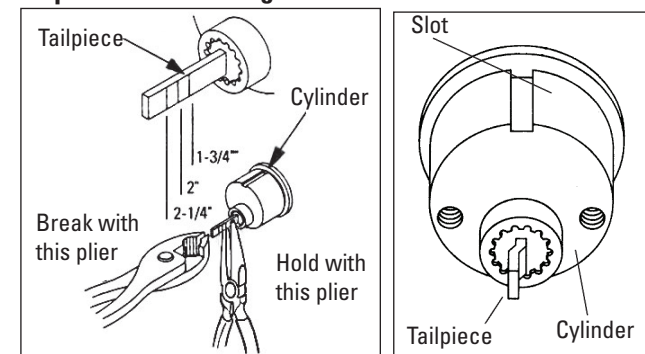
Note: See Strike Installation section for strike parts listing.

Parts Enclosed:

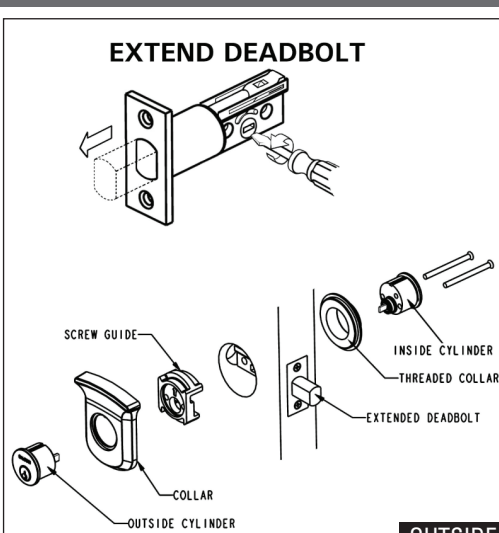
1. 1 Inside Cylinder Collar
- 1 Cylinder Cover
- 2 each #10 - 32x2-1/4" Flat Head Machine Screws
- 1 Inside Cylinder
- 1 Threaded Collar
- 1 Adjustable Backset Deadbolt
- 4 each #8 x 3/4" Flathead Combination Screws
- 1 Outside Cylinder Collar
- 1 Outside Cylinder
10. Screw Guide

Double Cylinder Assembly

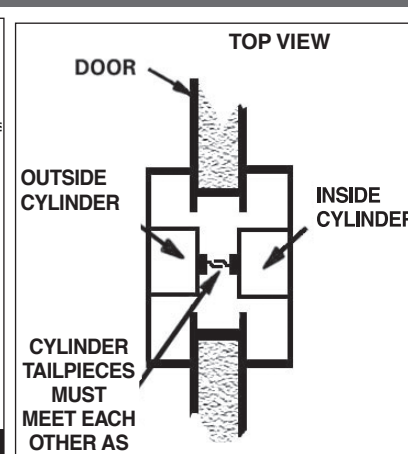
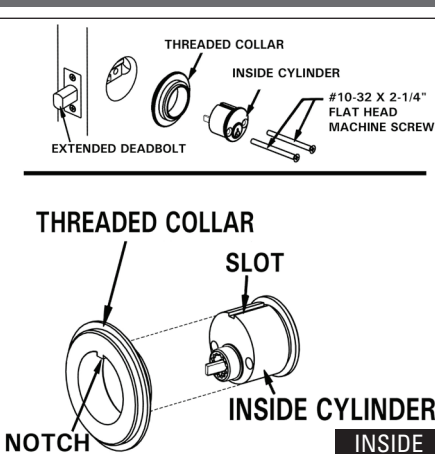
1. a. Carefully break off cylinder tailpiece at required mark for your door thickness. **Caution; use two pairs of pliers as shown or tailpiece will be damaged.** b. Align tailpiece with slot. Keep tailpiece vertical and curved toward right side of the hole as illustrated.



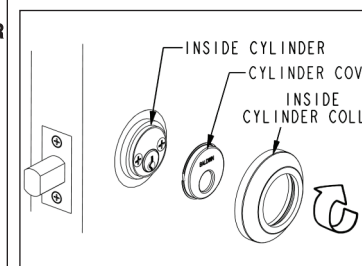
2. a. Extend the deadbolt using a flat head screwdriver as shown. From the outside of the door, place the Screw Guide in the bored hole so that it fits around the Deadbolt. **Note: The screw guide must be mounted from the exterior side of the door. The arrow on the screw guide must be visible and pointing up.** Place the Collar over the hole, and insert the Cylinder into the Collar and Deadbolt. Note: Cylinder tailpiece must be vertical when installing cylinder. Hold in place while moving to step b. **Do not insert key into the Cylinder during this procedure.**



- b. Insert the Inside Cylinder into the hole in the Threaded Collar. The slot in the top of the Inside Cylinder engages the notch in the Threaded Collar. Place these two components into the bore on the inside of the door so that the tailpiece from the Inside Cylinder engages the slot in the Deadbolt. Insert two #10-32 x 2-1/4" flat head machine screws into the two holes on the Inside Cylinder and tighten them down to connect the components on the outside of the door. Note: the tailpiece on the cylinder must be vertical and towards the right side of the hole during this procedure. Do not insert the key into either cylinder during this step.



- c. Align the cylinder cover over the inside cylinder. Screw on the inside cylinder collar.



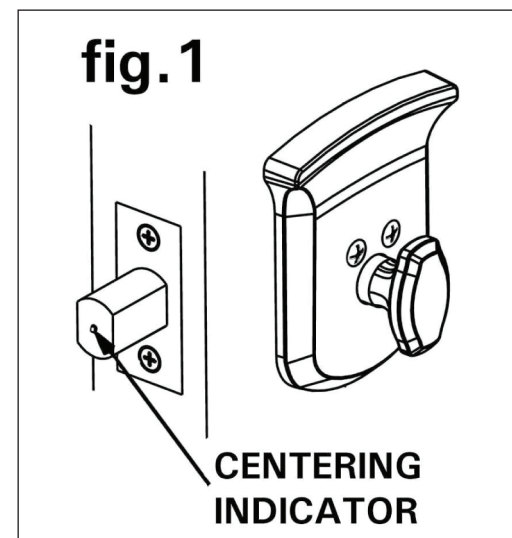
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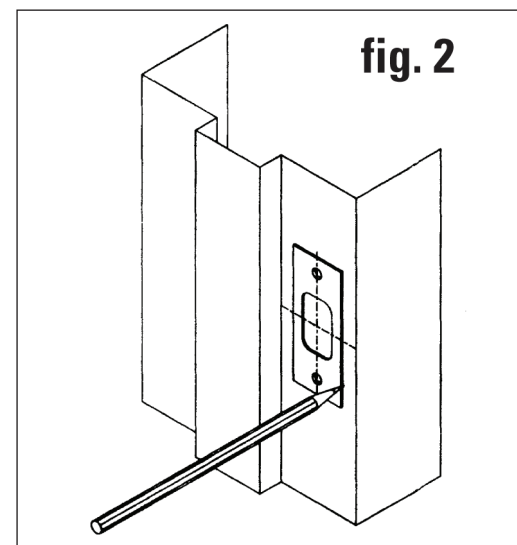
2-1/8" Deadbolt Preparation

Strike Installation

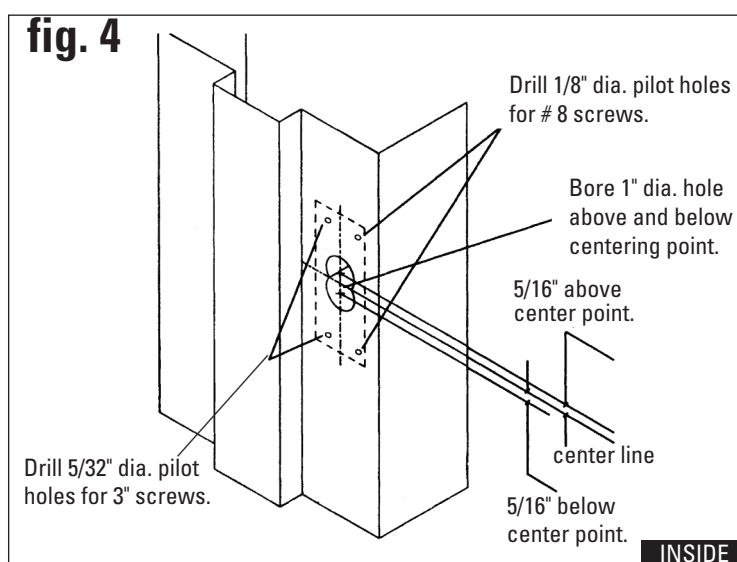
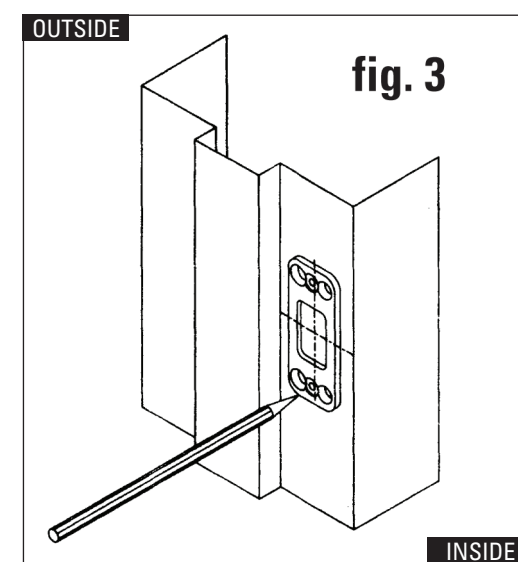
- 1 Complete deadbolt installation before installing the strike. Install weather stripping before setting the strike.** Close the door and extend the deadbolt several times against the door frame. The strike centering indicator will leave a center mark on the door frame to aid in locating the strike. (fig. 1)



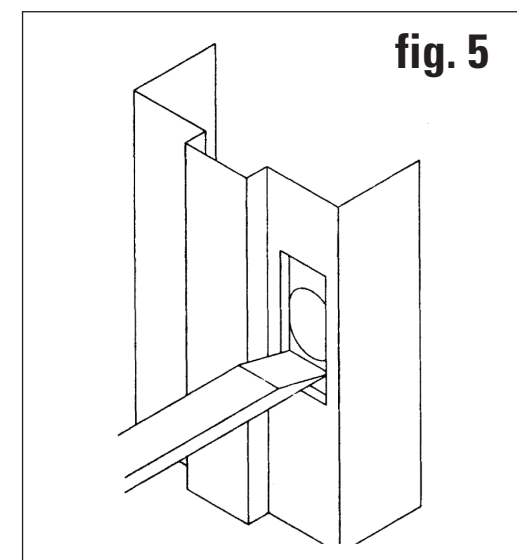
- 2** Position strike plate on center mark. Align and trace outside of strike and mounting screws onto the door frame. (fig. 2)



- 3** Using reinforcing strike as a template, mark locations for reinforcing screws. (fig. 3) Drill two 5/32" dia. pilot holes for the 3" long screws and two 1/8" dia. pilot holes for the #8 x 3/4" screws. Mark drill points 5/16" above and below centering point. Bore two 1" dia. holes 1-1/4" deep at these points. Chisel out holes for dust box. (fig. 4)

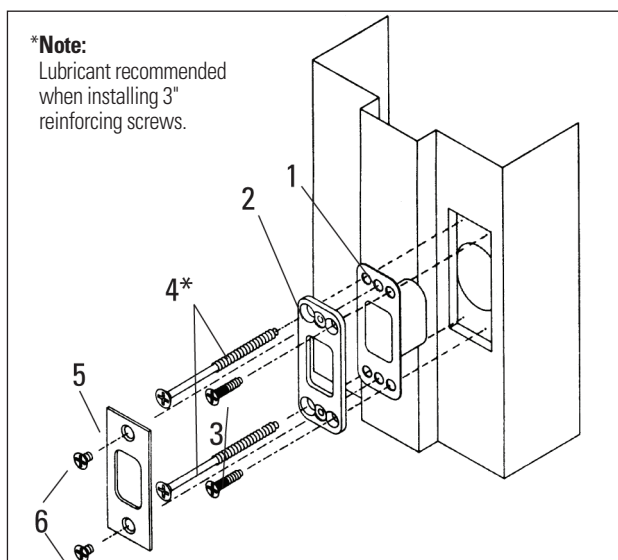


- 4** Chisel out the area marked in step (2) 7/32" deep or until the strike box, reinforcing strike and strike plate fits inside mortise and flush with the door frame. (fig. 5)



- 5** Install strike as illustrated.

1. Dust Box
2. Reinforcing Strike
3. #8 x 3/4" Combination Screws (2)
4. 3" Reinforcing Screws* (2)
5. Strike Plate
6. #8-32 x 1/4" Machine Screws (2)



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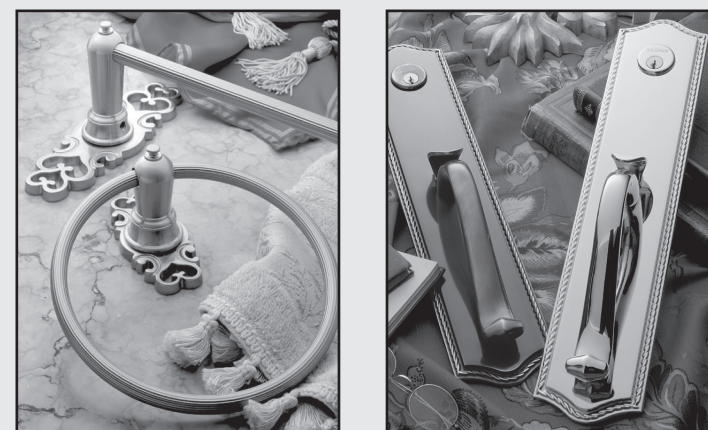
NOTE: Failure to use all recommended components will void Grade 1 rating.

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Tahoe 2-1/8" Collar
Auxiliary Deadbolt
Installation Instructions

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