

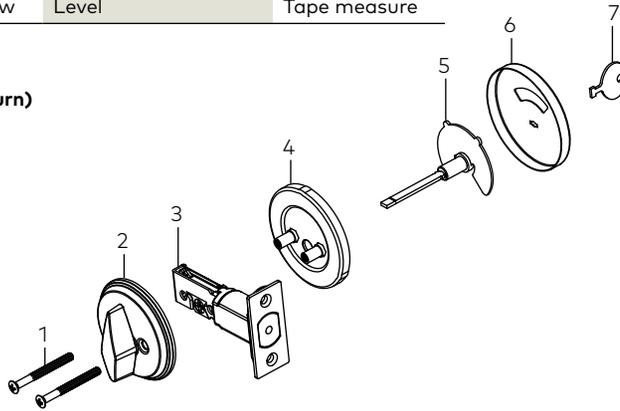
# Installation instructions

## Grade 1 deadbolt - DB171

| Tools required  | 1/8" drill bit  | 2 Phillips screwdriver | Center punch |
|-----------------|-----------------|------------------------|--------------|
| Drill           | 1" spade bit    | 1" wood chisel         | Pencil       |
| 3/32" drill bit | 2-1/8" hole saw | Level                  | Tape measure |

### Part List (with standard thumb turn)

1. Mounting screws
2. Thumb turn assembly
3. Deadbolt latch
4. Mounting plate
5. Indicator plate assembly
6. Indicator rose
7. Indicator key

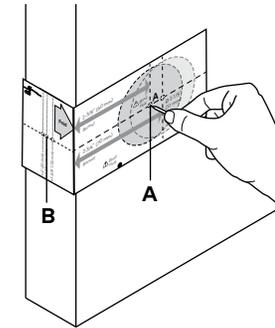


## 1 Installation instructions

### 1.1 Select template/center punch holes

Fig. 1

- 1.1.1 Select appropriate template.
- 1.1.2 Fold template and place it in position on high-edge of door level.
- 1.1.3 Determine backset of deadbolt latch and center punch hole A.
- 1.1.4 Determine drill point of center of door edge and center punch hole B.



### 1.2 Assemble and install mortise cylinder

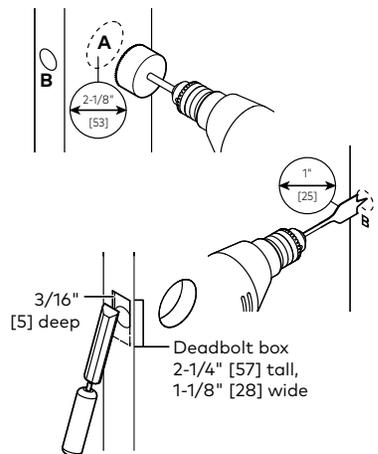
Fig. 2

- 1.2.1 Drill hole A, a 2-1/8" [53] dia. hole, on door face from both sides to center of door to avoid wood splitting.

**NOTE: If there is an existing 1-1/2" [38] dia. cross bore, there is no need to re-drill cross bore. 1" [25] dia. edge hole must be drilled 4" [101] deep to accommodate deadbolt.**

- 1.2.2 Drill hole B, a 1" [25] dia. hole, from edge of door that intersects 2-1/8" [53] hole.

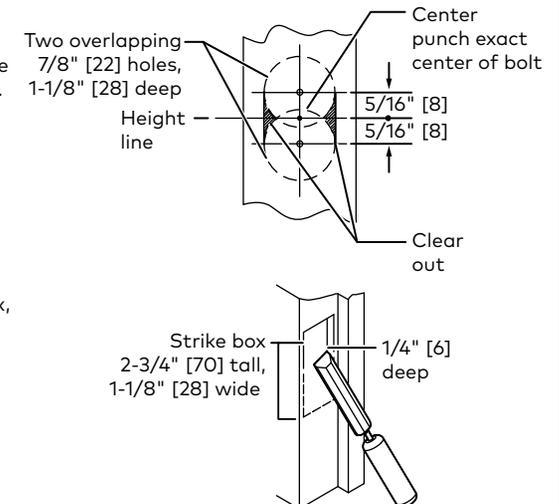
- 1.2.3 Using a 2-1/4" [57] tall 1-1/8" [28] wide deadbolt faceplate as a guide, mortise edge of door approximately 3/16" [5] deep to recess faceplate flush with door surface.



### 1.3 Prepare wood door jamb

Fig. 3

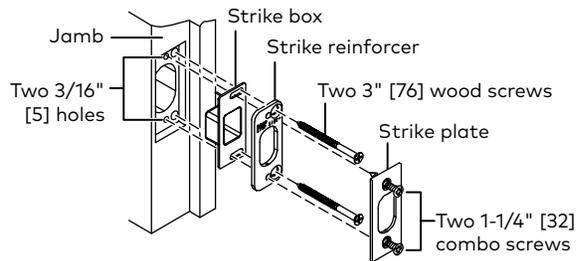
- 1.3.1 Locate exact center of bolt and mark centerlines on jamb.
- 1.3.2 Mark drill points 5/16" [8] above and below horizontal centerline.
- 1.3.3 Drill two overlapping 7/8" [22] holes, 1-1/8" [28] deep.
- 1.3.4 Clean out holes for strike box and place strike box in hole.
- 1.3.5 Place strike over box and trace for cutout.
- 1.3.6 Chisel approximately 1/4" [6] deep for flush fit of 2-3/4" [70] tall x 1-1/8" [28] wide strike box, strike reinforcer and strike.



### 1.4 Install strike plate

Fig. 4

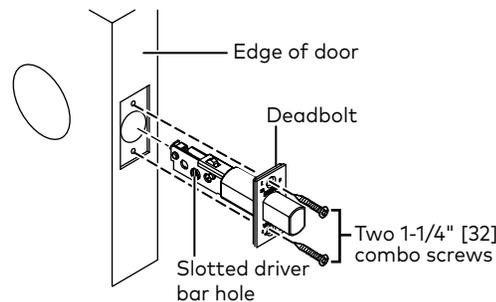
- 1.4.1 Place strike reinforcer with screw holes toward door jamb.
- 1.4.2 Mark and drill two 3/16" [5] holes for 3" [76] wood screws.
- 1.4.3 Install strike reinforcer and strike box with two 3" [76] long wood screws and tighten securely.
- 1.4.4 Install strike plate with two 1-1/4" [32] combo screws and tighten securely.



### 1.5 Install deadbolt assembly

Fig. 5

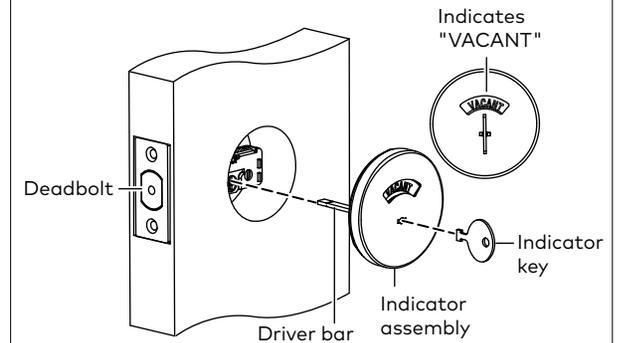
- 1.5.1 Insert deadbolt with slotted driver bar hole at bottom of assembly.
- 1.5.2 Install deadbolt to door with two 1-1/4" [32] combo screws and tighten securely.



### 1.6 Install indicator

Fig. 6

- 1.6.1 Retract deadbolt with a screwdriver.
- 1.6.2 Set up Indicator Assembly to "VACANT".
- 1.6.3 Slide driver bar into indicator assembly over deadbolt.

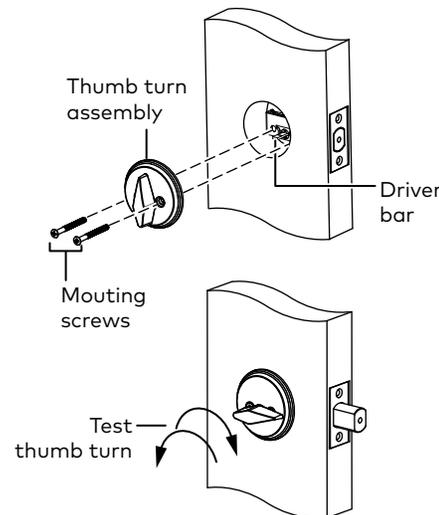


### 1.7 Attach inside trim

Fig. 7

- 1.7.1 Slide thumb turn assembly over driver bar.
- 1.7.2 Secure thumb turn assembly to door with mounting screws supplied.
- 1.7.3 Test thumb turn.

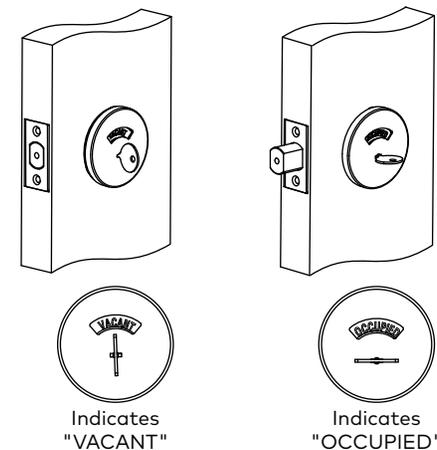
**NOTE: Bolt must travel freely and project fully into strike without binding.**



### 1.8 Test thumb turn

Fig. 8

- 1.8.1 "VACANT" indicates deadbolt is retracted.
- 1.8.2 "OCCUPIED" indicates deadbolt is in locked position.



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