



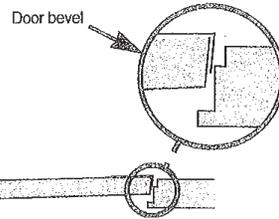
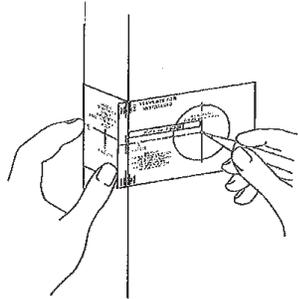
## CHALLENGER SG - SERIES

### Installation Instructions for SG-Series Lever Handle Sets

NOTE: Accurate door preparation is essential for proper functioning of this lock. Follow template and instructions carefully.

The anti-sagging mechanism of handle in SG-series lever handle set has a patent pending in the U.S. and foreign countries.

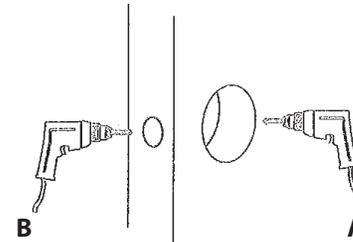
#### DOOR AND JAMB PREPARATION



#### 1. MARK DOOR

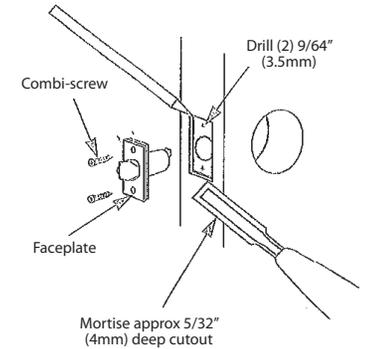
- Check lock for proper backset and body before marking.
- Detach stub.
- Fold template at correct marking for door bevel (high or low bevel, or flat).
- Position template at correct height recommended height for centerline is 38" (97cm) from floor.
- Mark center for 2-1/8" (54mm) hole.
- Use stub to mark center of door thickness.

#### 2. DRILL HOLES



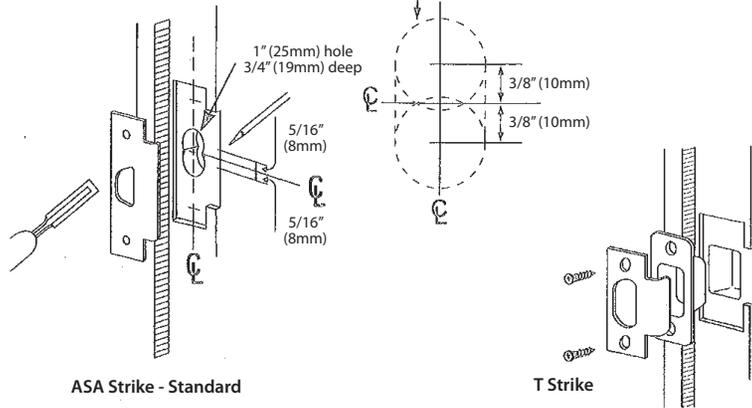
- Drill a 2-1/8" (54mm) hole through door. Drill from both side to avoid damaging door.
- Drill 1" (25mm) or 7/8" (22mm - depending on latch housing diameter) on door edge.

#### 3. INSTALL LATCH



- Insert latch into hole. Trace around faceplate.
- Chisel out wood until faceplate fits flat with door edge.
- Drill two(2) 9/64" (3.5mm) holes and secure latch unit with combi-screws supplied.
- Fasten latch to door so that beveled side of latchbolt faces jamb.

#### 4. INSTALL STRIKE



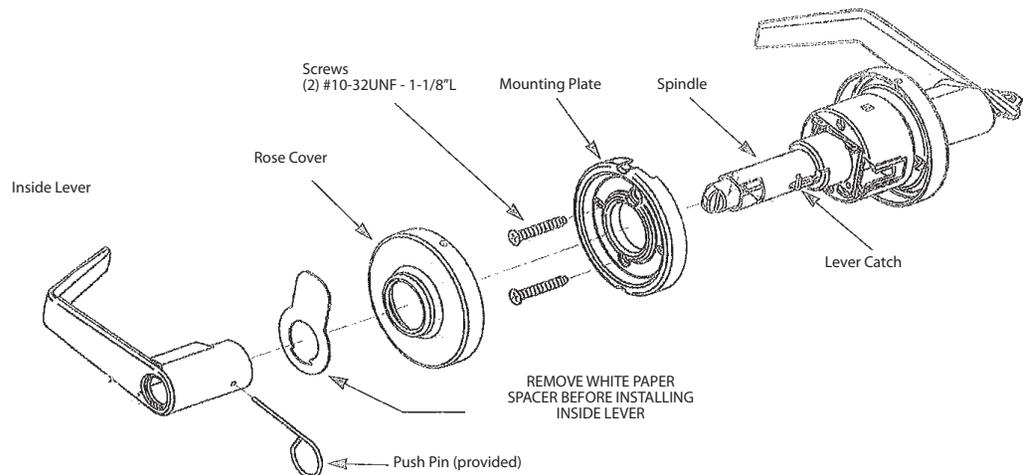
- Mark vertical line and height line on jamb exactly opposite center of latch hole.
- Drill two (2) 1" (25mm) holes, 3/4" (19mm) deep, 5/16" (8mm) above and below height line.
- Use strike plate to pattern for cutout. Clean out hole and install strike.

7/8" (22mm) hole,  
11/16" (17mm) deep

3/8" (10mm)  
3/8" (10mm)

- Mark vertical line and height line on jamb exactly opposite center of latch hole.
- Drill two (2) 7/8" (22mm) holes, 11/16" (17mm) deep, into door jamb as shown.
- Mortise a cutout for the strike. Use strike as a pattern for the mortise. (Strike should fit flush with the door jamb)

#### LOCK INSTALLATION

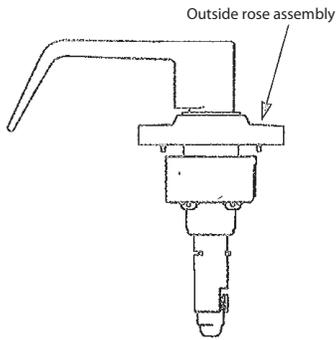


- Disassemble inside lever.
- Disassemble inside rose cover.
- Disassemble mounting plate.

REMOVE WHITE PAPER  
SPACER BEFORE INSTALLING  
INSIDE LEVER

Push Pin (provided)

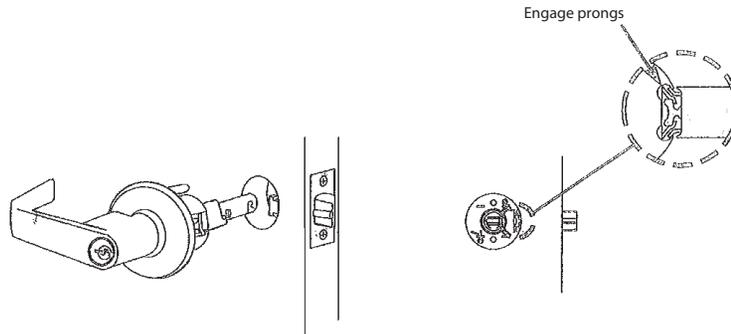
### 6. Adjust for door thickness



Lockset is factory present for 1 3/4" (45mm) doors.

- A. It can be adjusted for door thickness range of 1 3/8" to 2".
- B. Rotate outside rose assembly until correct door thickness.

### 7. Install outside lock unit

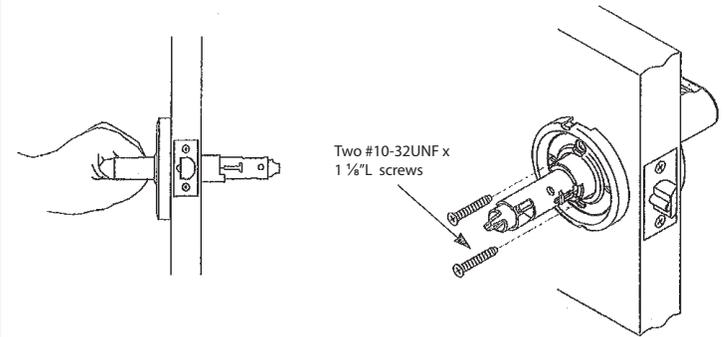


**IMPORTANT:** Place inside lock into position. Make sure that latch prongs engage chassis housing and latch retractor engages latch bar.

**IMPORTANT:** This lock is present for 1 3/4" (45mm) doors. See Step 6 to center chassis in door or to change adjustment of other door thicknesses.

### 8. Install Mounting plate

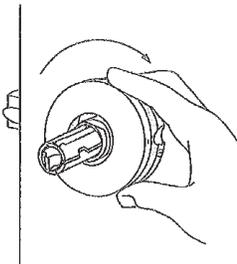
**CAUTION:** When using power screwdriver for installation, set to minimum torque setting.



Two #10-32UNF x 1 1/4" L screws

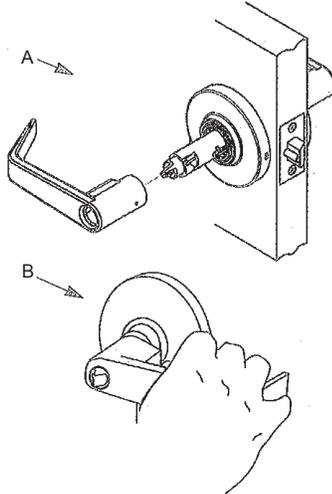
- A. Hold outside unit in place.
- B. Put mounting plate into position on chassis.
- C. Place mounting plate. Tighten it to lock body with two (2) #10-32UNF x 1 1/4" L screws.

### 9. Install inside rose cover



- A. Align dimples on rose with grooves in mounting plate.
- B. Place rose against door and rotate clockwise until dimples snap into slots next to the grooves.

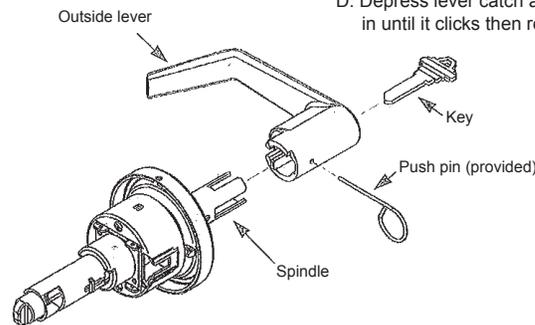
### 10. Install inside lever



- A. Slide inside lever onto spindle. Push lever completely into place. (Pull on lever to make sure that catch is fully engaged.)
- B. Test operation of lock to make sure you have followed instructions correctly.

### How to remove & reassemble outside lever

#### 11. Remove outside lever



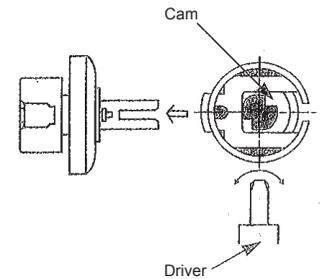
- A. Insert key into cylinder. Insert push pin (or similar tool) into hole in lever. Turn key one-quarter turn and push tool (push pin) to depress lever catch. Slide the lever from spindle.

#### 12. Reassemble outside lever

Reverse Step 11 to reassemble levers.

- A. To reassemble. Put the cylinder and key inside lever.
- B. Push cylinder further in until it engages retractor.
- C. Turn key 90° clockwise then hold the key.
- D. Depress lever catch and push lever (not key) in until it clicks then release the key.

#### CAUTION FOR CLASSROOM FUNCTION



Make sure to turn cam counter-clockwise by a driver as far as it will go before reassembling cylinder to prevent misalignment of cam for classroom function.