

CL3300 Series

ANSI/BHMA Grade 1

Key-In-Lever

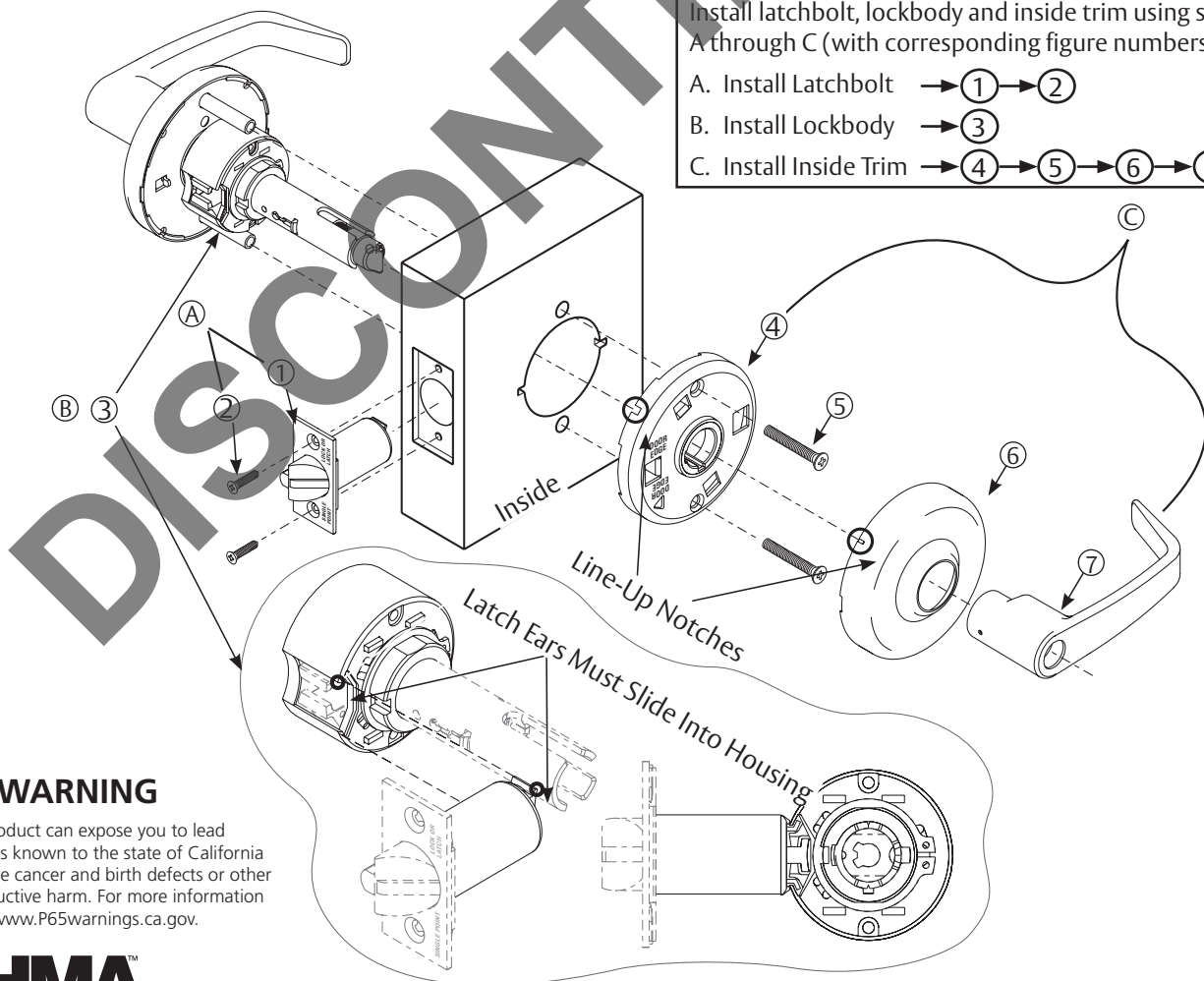
Cylindrical Lockset

Install latchbolt, lockbody and inside trim using steps A through C (with corresponding figure numbers).

A. Install Latchbolt → ① → ②

B. Install Lockbody → ③

C. Install Inside Trim → ④ → ⑤ → ⑥ → ⑦



WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.



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ATTENTION INSTALLER

- Read these instructions carefully to prevent missing important steps.
- Improper installation may result in damage to lock and void factory warranty.

STOP - TEST OPERATION:

- Rotate levers to see that latchbolt moves freely. DO NOT FORCE.
- If lockset does not operate properly, remove lockset from door and check door preparation.

1

Door and Frame Preparation

a

Mark Door

1. Locate and mark horizontal center line at desired height above floor.
2. Fold template over edge of door, centering on horizontal line.
3. Mark centers of holes at proper backset. Mark both sides of door. (Figure 1)

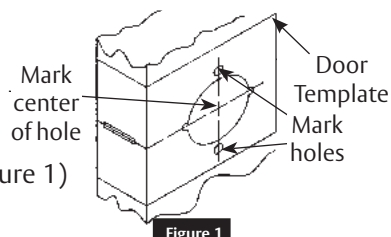


Figure 1

IMPORTANT

- The accuracy of door preparation is critical for proper functioning and security of this lever handle lock. Misalignment can cause premature wear and a lessening of security.
- Standard installation is for 1-3/4" doors. (See "Adjust Lock for Door Thickness" on page 3 for other door thicknesses).

Note:

Be sure to verify backset before marking and drilling door.

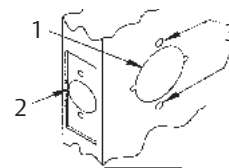
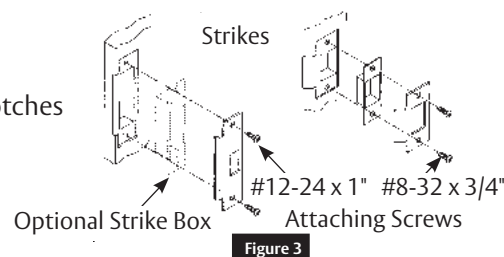


Figure 2

b

Drill Door and Install Strike

4. Drill a 2-1/8" (54 mm) hole through door. Cut ANSI tab notches as shown on template (except CL3350 and CL3370).
5. Drill 1" (25 mm) hole in edge of door. Cut out for latch front 5/32" (4 mm) deep and 1-1/8" (29 mm) wide x 2-1/4" (57 mm) high. Check latch unit for proper width front and square or round corners (except CL3350 and CL3370).
6. Drill two (2) 11/32" (8 mm) diameter holes through door for all functions. Install strike. (Figure 2 and Figure 3)



2

Adjust Lock for Door Thickness

Lock will be factory preset for 1-3/4" (44 mm) doors unless specified.

To adjust lock to door thickness if other than 1-3/4" (44 mm) doors:

1. Remove outside lever. (see page 6)
2. Slide off outside spring housing assembly.
3. Rotate rose liner to adjust lock to fit thickness, so distance (Dimension A) from inside liner to centerline of retractor is half the thickness of the door (see chart in step 4 on page 3).
4. Reassemble outside spring housing assembly onto chassis assembly (not for CL3380 and CL3381 functions).

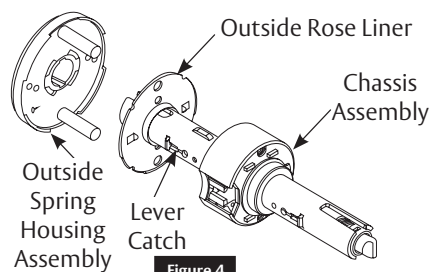


Figure 4

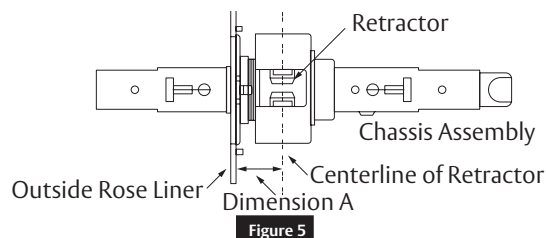


Figure 5

Door Thickness	Dimension A
1-3/4" (44 mm)	7/8" (22 mm)
2" (50 mm)	1" (25 mm)
2-1/4" (57 mm)	1-1/8" (29 mm)

3

Cylinder Installation

a

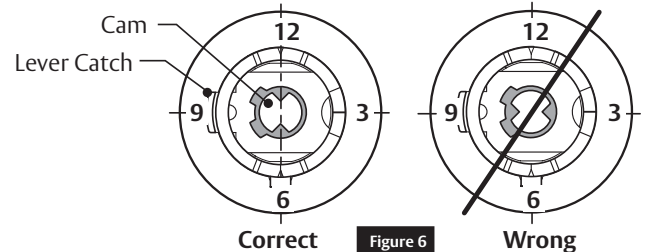
CL3355 Classroom or CL3352 Intruder (Outside Cylinder) Function Timing

Before installing cylinder:

- Turn cam so points are up and down, 6 o'clock and 12 o'clock. (Figure 6)

After installing cylinder:

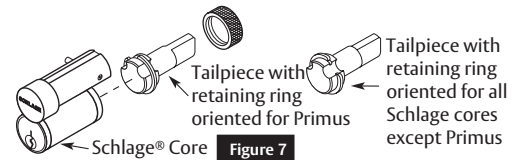
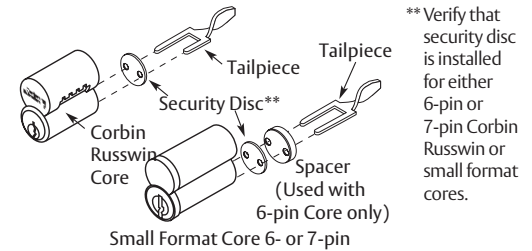
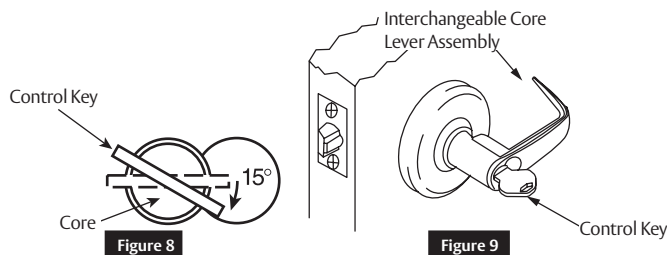
- Confirm key rotates 180° both ways.
- If cylinder rotates 360°, remove cylinder and check cam orientation.



b

Interchangeable Core Installation

1. Install tailpiece. (Figure 7)
2. Insert key marked CONTROL and turn clockwise approximately 15°. (Figure 8)
3. Insert core into lever and return key to its original horizontal position locking core in place. (Figure 9)
4. Withdraw key.
5. Test lockset for correct function with operating key.
6. Control key has no further use in lockset installation and must be safeguarded for return to security personnel when installation is complete.



3

Cylinder Installation (continued)

c

Interchangeable Core Removal

1. Insert key marked CONTROL and turn clockwise approximately 15°. (Figure 10)
2. Pull core and tailpiece completely out of lever.

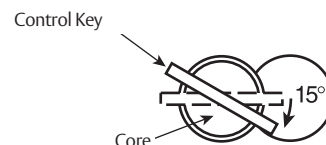
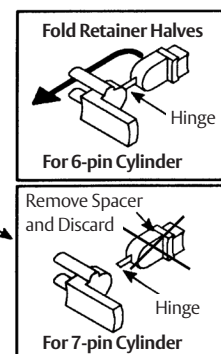
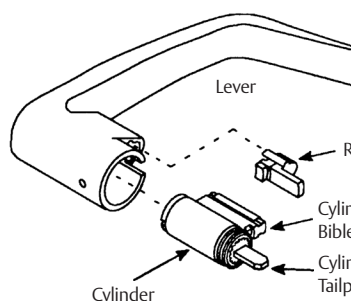


Figure 10

d

Install Standard Cylinder

1. Make sure lock is unlocked.
2. Make sure cylinder tailpiece is aligned in same direction as cylinder bible.
3. Slide cylinder all the way into lever.
 - For 6-pin cylinder: Fold retainer at hinge and press fit retainer halves together as shown.
 - For 7-pin cylinder: Break retainer at hinge and discard spacer section. Also remove black cylinder spacer from inside of chassis rollback for clearance.



Standard Cylinder Tailpieces

Note:

Dimensions are given in inches (") and millimeters (mm).

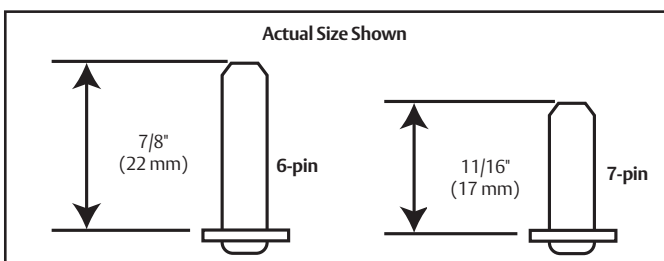


Figure 11

e

Conversion Kit for Schlage® Cylinders with CL3300 Lockset

1. Remove threaded collar and Schlage® tailpiece.
2. Install CL3300 tailpiece with threaded collar.
3. Adjust collar for proper end play of plug.

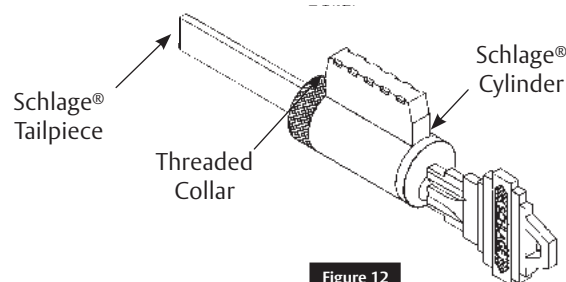
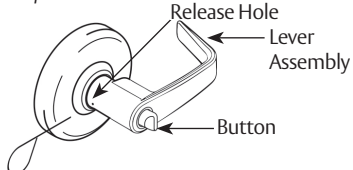
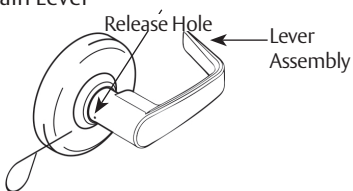
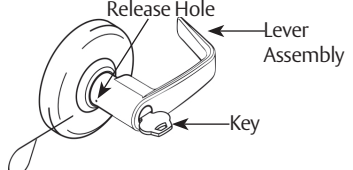
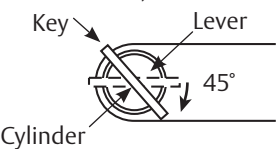
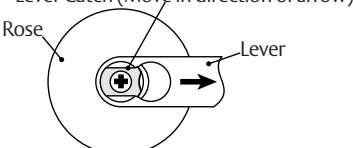


Figure 12

4

Lever Removal and Installation

Lever Style	Removal	Install
Push / Turn Button 	Hold in button, push release tool into release hole, remove lever.	Push button in, slide lever on. • Make sure lever will not pull off.
Plain Lever 	Push release tool into release hole, remove lever.	Push button in, slide lever on. • Make sure lever will not pull off.
Cylinder Lever 	Rotate Key 45° clockwise (from shed position). Push release tool into release hole, remove lever. 	Push button in, slide lever on. • Make sure lever will not pull off.
Interchangeable Core Lever 	Remove cylinder and tailpiece (see page 4). Use flat-head screwdriver to pull back lever catch, remove lever.	Push button in, slide lever on. • Make sure lever will not pull off.

5

Optional Installations

For CL3380 and CL3381 Functions Only:

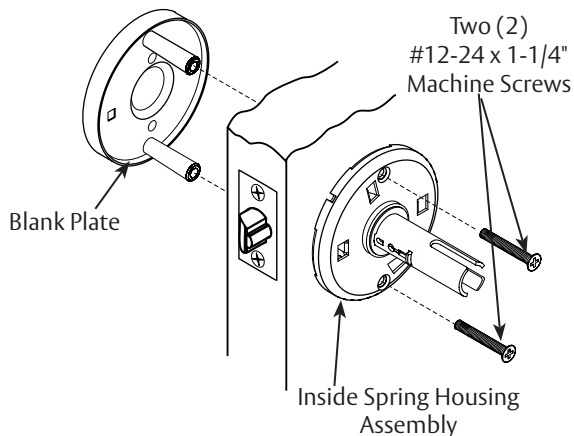


Figure 13

For CL3390 and CL3391 Functions Only:

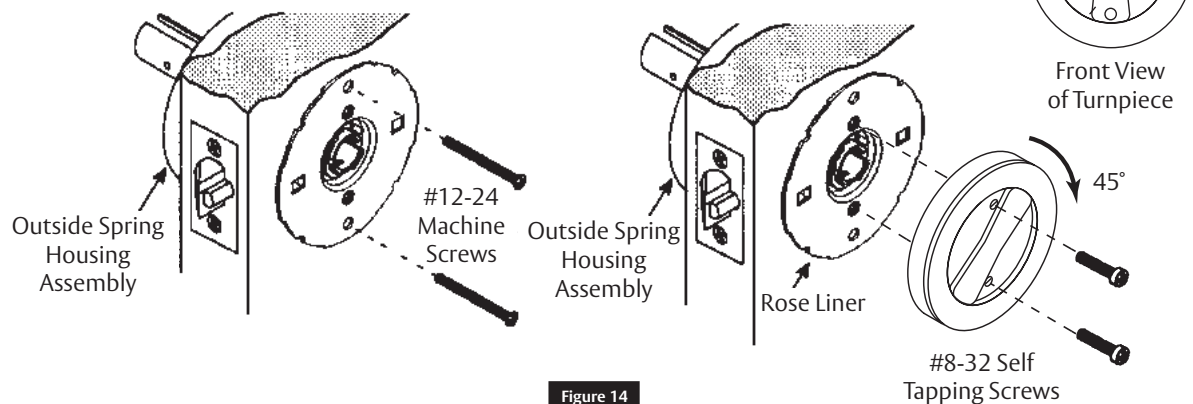


Figure 14

For CL3350 Functions Only:

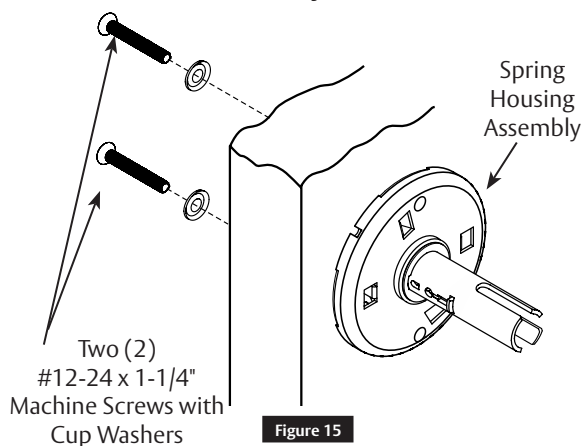


Figure 15

For CL3370 Functions Only:

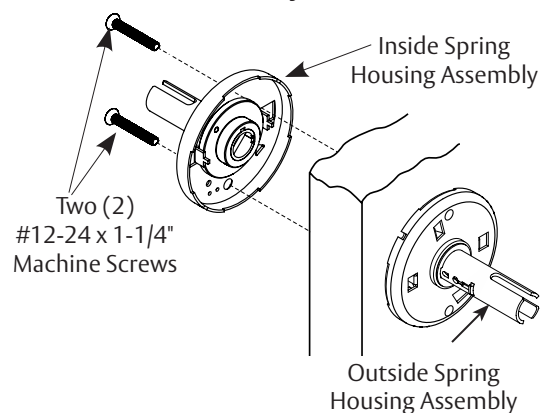


Figure 16

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