

Instructions for installation of cylindrical knob locksets in new doors or the replacement of existing locks. Illustrations are shown with entrance models. Installation is same for privacy and passage models.

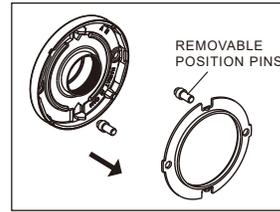
For use on doors 1-3/8" to 2" (35mm~51mm) thick  
For doors 2-1/4" (57 mm) thick use extension kit (sold separately)

## BEFORE STARTING:

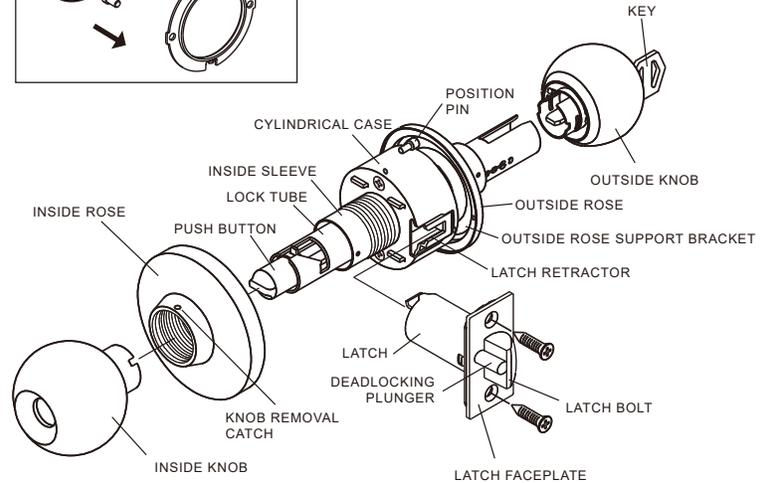
- All doors should be properly hung and reinforced to support lock.
- For factory prepared doors and frames verify that the door and frame preparation is compatible with the installation of this lock
- The supplied door instructions are for wood doors and frame. For metal doors and frame applications, it is recommended that the door and frame be prepared and reinforced at the factory.
- Door and frame preparations conform to ANSI specifications A156-115 for metal door and frames and to ANSI A156-115W for wood door with wood or steel frames. NOTE: ANSI Specification is for 2-3/4" (70 mm) backset and requires BOTH position pin holes to be used.
- The lock's default backset is stated on packaging. If backset length is the same, continue; otherwise, replace with proper backset length. The knob locksets are supplied with a 2-3/8" (60mm) or 2-3/4"(70mm) backsets.
- Provide the appropriate hole preparation and threading for the supplied mounting screws.

## REPLACING AN EXISTING LOCK:

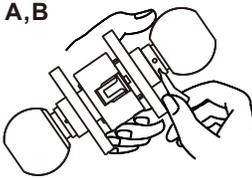
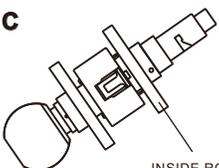
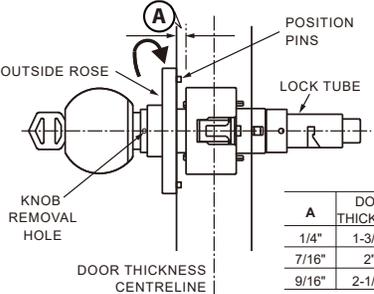
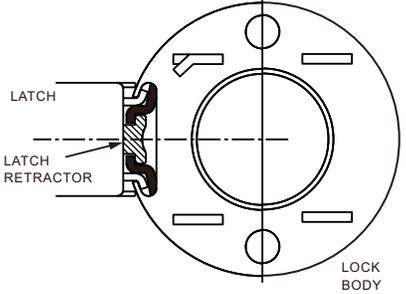
- Before beginning, measure from center of lock to door edge in order to check the existing backset size on existing lock. (See Step 1)
- Verify that the door and frame preparation is compatible with the installation of this lock
- Refer to instruction sections 5, 6, 7, 8, 9, 10 and 11 (if applicable)

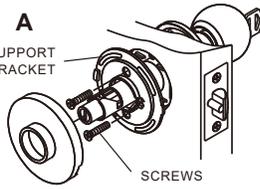
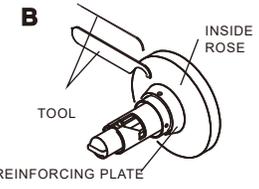
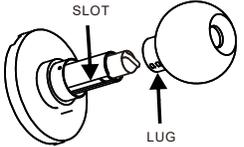


Recommended for use on high frequency doors. Warranty void if position pins are not installed.

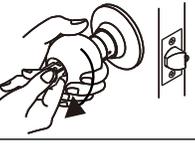
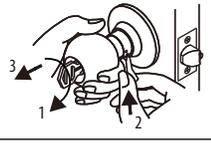
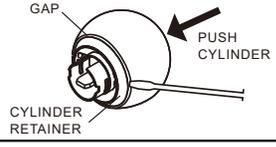


<h3>1. MARK DOOR</h3> <p>MARK ONE HOLE 2-1/8" (54 mm) ON DOOR FACE.</p> <p>OPTIONAL: MARK TWO HOLES 7/32" (5.5 mm), 1/2" (13mm) DEEP ON DOOR FACE.</p> <p>BACKSET</p> <p>MARK FOR 1"(25.4 mm) HOLE IN DOOR EDGE</p> <ol style="list-style-type: none"> <li>Measure lock height about 40-5/16" (1024 mm) from finished floor &amp; mark horizontal line on the door.</li> <li>Fold and apply template; align with the horizontal line marked on the door.</li> <li>Verify that backset is correct and mark the centre of the 2-1/8" (54 mm) hole.</li> <li>Mark centre of the 1" (25.4 mm) hole on the edge of the door at 1/2 the door thickness.</li> <li>Mark the center of two 7/32" (5.5 mm) holes on the outside door surface. Ensure both holes align with the lock's backset.</li> </ol>	<h3>2. DRILL HOLES</h3> <p>7/32"(5.5mm) HOLES, 1/2"(13mm) DEEP</p> <p>2-1/8" (54mm) HOLE</p> <p>1" (25.4mm)</p> <p>40-5/16" (1024mm)</p> <ol style="list-style-type: none"> <li>Drill the 2-1/8" (54 mm) hole through door thickness. Drill from both door sides to prevent door surface splitting.</li> <li>Drill the 1" (25.4 mm) hole at the door edge until it reaches the 2-1/8" (54 mm) hole.</li> <li>(Optional) Drill the 7/32" (5.5 mm), 1/2" (13 mm) deep holes on the outside surface of the door for position pins.</li> </ol>
<h3>3. LATCH INSTALLATION</h3> <div style="display: flex; justify-content: space-between;"> <div data-bbox="55 1323 568 1617"> <h4>A</h4> <p>Insert latch in the door edge hole and mark outline of latch faceplate on the door edge and remove latch.</p> <p>1-1/8" (29mm)</p> <p>2-1/4" (57mm)</p> </div> <div data-bbox="568 1323 1023 1617"> <h4>B</h4> <p>Chisel 3/16" (4.5 mm) deep or until latch faceplate is flush with the door edge surface</p> </div> <div data-bbox="1023 1323 1568 1617"> <h4>C</h4> <p>Insert latch and fasten with screws. Ensure the latch bevel facing the direction that the door closes.</p> </div> </div>	
<h3>4. STRIKE INSTALLATION</h3> <div style="display: flex; justify-content: space-between;"> <div data-bbox="55 1659 568 2024"> <p>LOCK CENTRELINE</p> <ol style="list-style-type: none"> <li>Close door until latch touches the door frame jamb, and mark the latch faceplate top and bottom lines and latch centerline on the frame jamb.</li> <li>Open the door and transfer the latch horizontal centerline on the door jamb surface</li> <li>From the door stop face mark at 1/2 of the door thickness the latch/strike vertical centerline that determines the strike center point.</li> </ol> </div> <div data-bbox="568 1659 1023 2024"> <p>1/2 DOOR THICKNESS</p> <p>LOCK CENTRELINE</p> <ol style="list-style-type: none"> <li>Drill the 1" (25.4 mm) x 1/2" (13 mm) hole in the door frame. If dustbox is used provide cavity for dustbox (dust box not supplied).</li> <li>Position and centre the strike (ASA) over the 1" (25.4 mm) and mark the strike outline on the frame jamb. (Refer to ANSI A156.115 for the strike template dimensions).</li> </ol> </div> <div data-bbox="1023 1659 1568 2024"> <p>DUST BOX NOT INCLUDED</p> <p>ASA STRIKE</p> <p>DEADLATCH</p> <p>FRAME</p> <p>DOOR</p> <p>STRIKE</p> <ol style="list-style-type: none"> <li>Chisel or cut frame jamb 1/8 (3 mm) deep. If dustbox is used, adjust depth to accommodate dustbox thickness</li> <li>Install strike and fasten with supplied #12-24 combo screws.</li> <li>Close door and ensure latch engages with strike and that if deadlatch is used the deadlatch pin must be fully depressed when latch is engaged.</li> <li>If there is excess door movement when door is closed, adjust the strike tab</li> </ol> </div> </div>	

<p><b>5. REMOVE INSIDE KNOB</b></p> <p><b>A,B</b></p>  <p>A. Locate the small hole on inside knob sleeve collar ; using the knob removal tool depress the spring loaded knob locking catch in the hole.</p> <p>B. While the knob locking catch is depressed pull the knob out a little and remove the knob removal tool, then continue pulling out the knob and rose.</p> <p>C. Unscrew and remove the inside rose</p> <p><b>C</b></p>  <p style="text-align: center;">INSIDE ROSE</p>	<p><b>6. ADJUST OUTSIDE ROSE</b></p> <p>A. Adjust the exterior rose support plate so that the latch is approximately at half of the door thickness. Ensure the knob removal hole on the knob sleeve is visible.</p> <p>B. Place the two position pins in the exterior rose support bracket and rose.</p>  <p style="text-align: center;">DOOR THICKNESS CENTRELINE</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>A</th> <th>DOOR THICKNESS</th> </tr> </thead> <tbody> <tr> <td>1/4"</td> <td>1-3/4"</td> </tr> <tr> <td>7/16"</td> <td>2"</td> </tr> <tr> <td>9/16"</td> <td>2-1/4"</td> </tr> </tbody> </table>	A	DOOR THICKNESS	1/4"	1-3/4"	7/16"	2"	9/16"	2-1/4"	<p><b>7. INSTALL LOCK</b></p> <p>A. Slowly insert lock body from the door exterior side into the door 2-1/8" (54 mm) hole, align position pins to their holes and ensure the lock engages with the latch as shown.</p> <p>B. Verify the lock function and latch retraction.</p>  <p style="text-align: right;">LOCK BODY</p>
A	DOOR THICKNESS									
1/4"	1-3/4"									
7/16"	2"									
9/16"	2-1/4"									

<p><b>8. KEY HOLE POSITION</b></p> <p>Upon installation of the lock, it may happen that key hole faces upward or downward as shown below. It is advisable to have the key hole facing downward.</p> <p><b>DOWNWARD CORRECT</b></p>  <p style="text-align: right;">UPWARD INCORRECT</p> <p>To correct, the outside knob will have to be removed and rotated. Follow the instructions in section 11 below.</p>	<p><b>9. ATTACH LOCK &amp; INSTALL INSIDE ROSE</b></p> <p>A. Insert the inside support bracket on the lock and attach to lock body and door using the two supplied machine screws. Do not over-tighten.</p> <p>B. Insert the inside rose on the tube and using the removal tool torque the lock body support nut until rose assembly sits firm on the door surface.</p> <p><b>A</b></p>  <p style="text-align: center;">SUPPORT BRACKET      SCREWS</p> <p><b>B</b></p>  <p style="text-align: center;">INSIDE ROSE      TOOL      REINFORCING PLATE</p>	<p><b>10. INSTALL INSIDE KNOB</b></p>  <p style="text-align: center;">SLOT      LUG</p> <p>Align inside knob LUG with lock tube as shown above and slide knob on the lock tube until in clicks and locks into place.</p> <p><b>IMPORTANT:</b> If lug and slot are NOT aligned, the knob will jam on shaft.</p>
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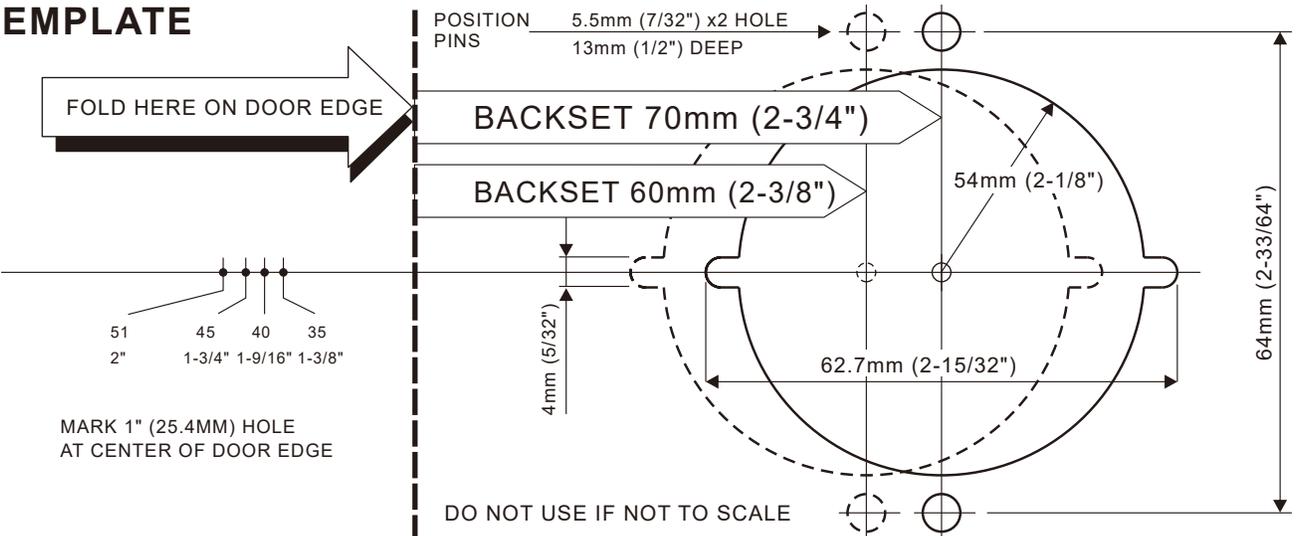
**11. REMOVE AND RE-INSTALL OUTSIDE KNOB / INVERT KEY HOLE / CHANGE CYLINDER**      FOR INTERCHANGEABLE CORE (SFIC) MODEL SEE SUPPLEMENTAL INSTRUCTIONS

<p><b>A</b> Insert key (1) and turn 90° CW</p> 	<p><b>B</b> Using the knob removal tool press the knob locking catch (2) and begin pulling the knob off (3). Once knob moves out a bit, remove the tool from the knob catch and continue removing the knob (3).</p> 
<p><b>TO INVERT KEY HOLE:</b> Rotate knob 180° and re-insert as per section #9 above.</p> 	<p><b>TO CHANGE CYLINDER</b></p> <p>a. Push the cylinder in the knob until the cylinder retainer is pushed out of the knob slightly. Then use a small flat screw driver to carefully remove the retainer without scratching the knob. Then remove the cylinder from knob.</p> <p>b. Replace cylinder and re-insert the cylinder retainer.</p>  <p style="text-align: right;">GAP      PUSH CYLINDER      CYLINDER RETAINER</p>

**12. INSTALL OUTSIDE KNOB**

<p><b>A</b> For passage and privacy, slide knob on lock tube. Slightly press-in the knob locking catch and push in the knob till it is locked-in.</p>	<p><b>B</b> For entry function enter key in the knob keyway adjust the cylinder tailpiece in knob in horizontal orientation slide knob on lock tube (if required press-in the knob locking catch). Rotate key 90° CW and push knob further on the lock tube, until the knob locking catch engages, they turn key back to vertical and remove it.</p>
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**TEMPLATE**



FOLD HERE ON DOOR EDGE

POSITION PINS      5.5mm (7/32") x2 HOLE      13mm (1/2") DEEP

BACKSET 70mm (2-3/4")

BACKSET 60mm (2-3/8")

54mm (2-1/8")

62.7mm (2-15/32")

4mm (5/32")

64mm (2-33/64")

51      45      40      35  
2"      1-3/4"      1-9/16"      1-3/8"

MARK 1" (25.4MM) HOLE AT CENTER OF DOOR EDGE

DO NOT USE IF NOT TO SCALE