



How-Do-We-Do-That?

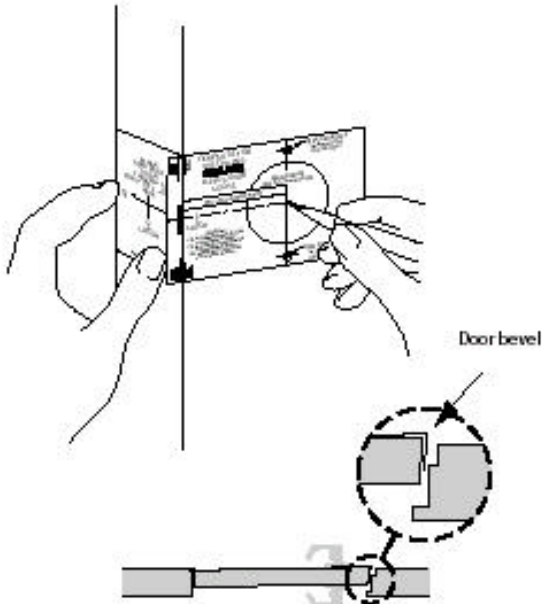
D-Series Heavy Duty Lever Lock

NOTE: Accurate door preparation is essential for proper alignment and function of this lock. Follow template and instructions carefully to avoid installation problems.

STEP # 1 Door and Jamb Preparation

Mark door

- Detach stub from template
- Fold template at correct marking for door bevel (high or low bevel, or flat). Position centerline of template on height line (suggested height is 38" (97mm) from floor). Mark center for 2 1/8" (54mm) hole. Also mark for (2) 5/16" (8mm) holes. Also mark for (2) holes for mounting screws.
- Use stub to mark center for thickness of door thickness on height line.



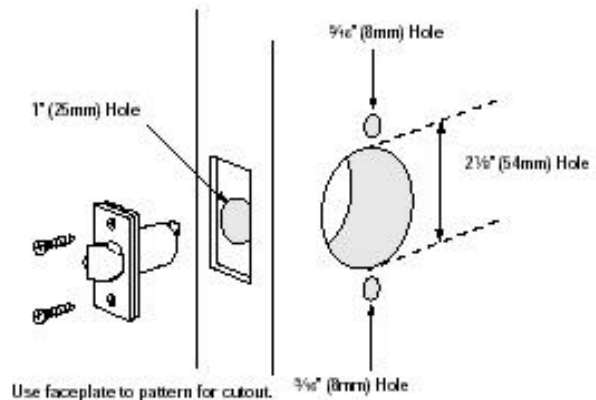
HINT: For retrofitting existing 2 1/8" (54MM) hole, fold template in half to locate position for the (2) 5/16" (8mm) holes.

STEP # 2

Bore holes

- Bore a 2 1/8" (54mm) hole and (2) 5/16" (8mm) holes (bore holes from both side of door to avoid splintering the wood).
- Bore a 1" (25mm) hole in the door edge. Use faceplate to pattern for cutout. (Front should be flush with door edge.) Install latch and secure with screws.

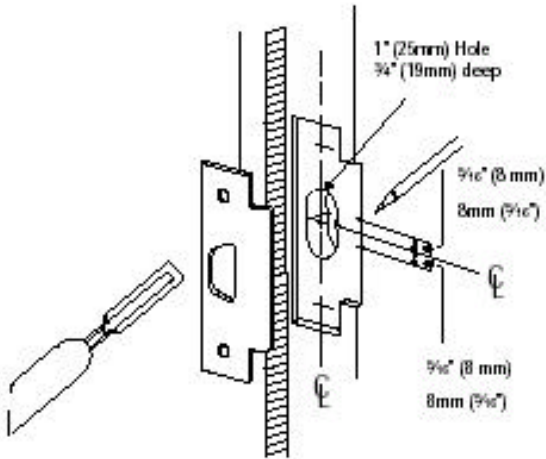
NOTE: We recommend using a drill guide to ensure straight holes.



STEP # 3 Install Strike

Mark vertical line and height line on doorjamb exactly opposite center of latch hole. Drill (2) 1" (25mm) holes, 3/4" (19mm) deep, 5/15" (8mm) above and below height line, use strike plate to pattern for cutout. Clean out hole for fit of plastic dust box and install strike.

Strike cut out picture on next page.



STEP #5 Install outside lock unit

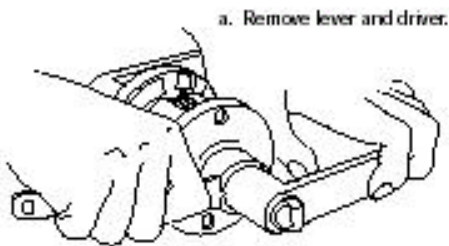
IMPORTANT: This lock is factory preset for 13/4" (44mm) doors. See Step #10 to center chassis in door or to change adjustment for other door thickness.

Place outside lock unit in position. Make sure that latch prongs engage chassis housing, and latch retractor engages latch bar.

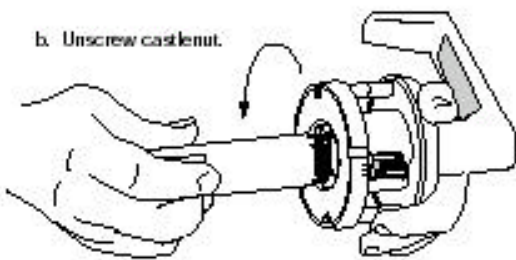
STEP # 4 Lock Installation

Disassemble inside trim

- Insert pointed end of spanner wrench into hole in inside lever. Push to depress catch and remove lever. Also remove driver.
- Unscrew and remove castlenut bushing. (Use metal tool or plastic tool provided.)



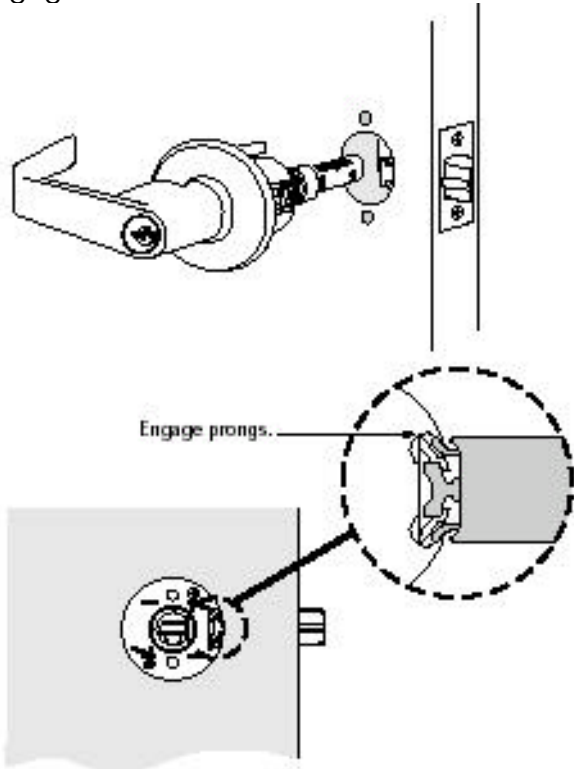
a. Remove lever and driver.



b. Unscrew castlenut.



c. Remove spring cage.

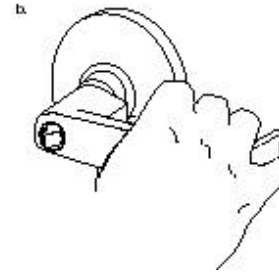
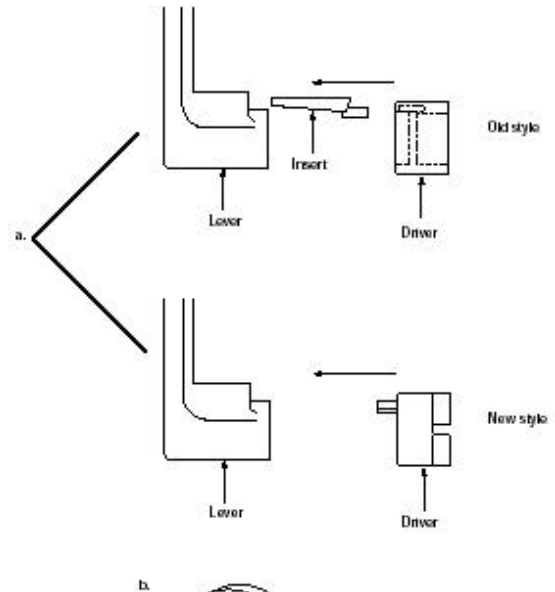
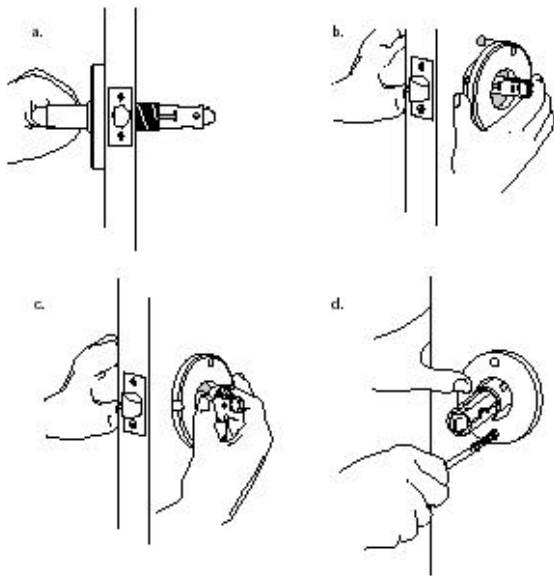


STEP # 6

Inside lock assembly

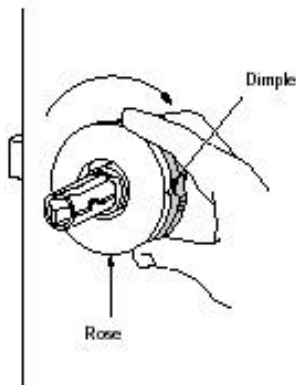
- Hold outside lever in place.
- Put spring case into position on chassis.
- Place castlenut bushing on threads of chassis as far as it will go. (A ratchet sound will be heard.) Fully tighten castlenut with installation tool.

See picture on next page.



**STEP # 7
Install Inside Rose**

Align dimples on rose with grooves against door and rotate clockwise until dimples snap into slots next to the grooves.



STEP # 8

Install lever, insert driver

- a. Assemble plastic insert into spindle for old style driver. (CAUTION: Insert must be used for lock to function properly.) Engage slot in driver with plastic insert. New style driver will not have plastic insert.
- b. Slide lever and driver onto spindle. Push lever completely into place. (Pull on lever to make sure that catch is fully engaged.)

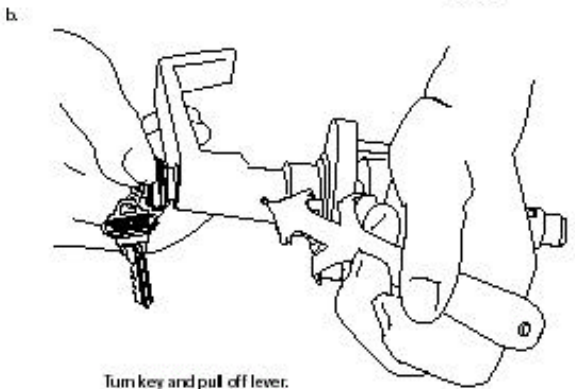
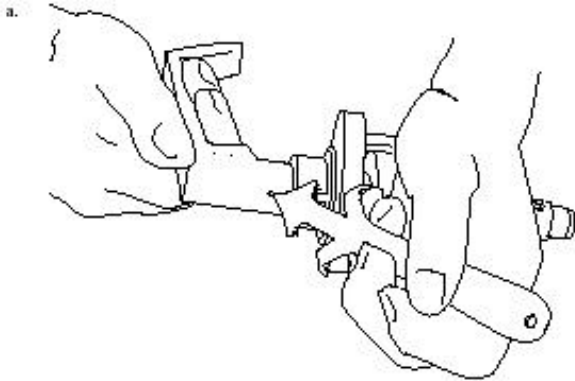
Test operation of lock with keys and levers to make sure that chassis adjustments and lock installation is correct.

How To Adjust for Nonstandard Door Thickness

STEP # 9

Remove outside lever: go back to Step #4. Remove outside lever.

- a. Non-keyed locks (except D40S and D44S; see Step #1.) Place pointed end of spanner wrench into hole in lever. Push in to depress catch and removed lever.
- b. Keyed locks and D40S and D44S functions. (Use flat tip screwdriver instead of key for D40S and D44S.)
HINT: It is easier to remove the keyed lever if the lock is positioned in the door cutout. Insert key into cylinder. Insert pointed end of spanner wrench into hole in lever. Turn key one-quarter turn and push wrench to depress catch.



Turn key and pull off lever.

STEP # 11

Reinstall lock

- a. Assemble outside lever to chassis by reversing instructions... "How to adjust...". Step # 9.
- b. Install lock one door. Test operation to make sure trim is securely attached and lock function properly.

Interchangeable IC Core

How to Remove IC Core

Insert control key and turn it 15 degrees until action stops. Pull on key to remove IC Core.

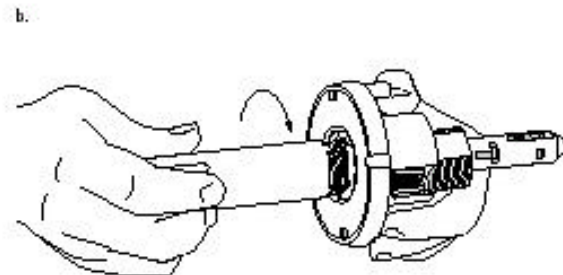
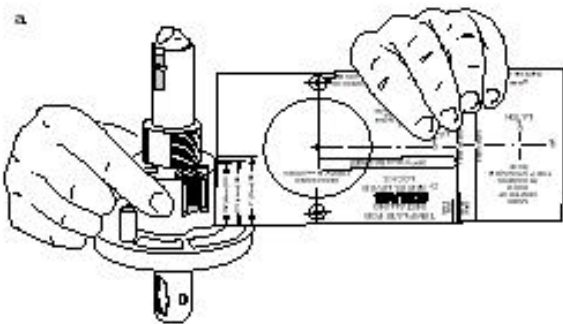
How to Replace IC Core

Insert control key fully in IC Core. Push IC Core into lever as far as it will go. Turn key clockwise 15 degrees and push IC Core completely into lever. Turn key back to normal position and remove from IC Core.

STEP # 10

Adjust for door thickness

- a. Place template against spring cage to find markings for door thickness.
- b. Use installation tool to rotate castlenut busing in direction of adjustment, again, use template markings so measurement *before* installing lock on door.



How to remove and replace D-Series Cylinders Knobs/Levers

Outside Knob/Lever.

1. Insert change key, or master key, and place pointed end of spanner wrench into hole sleeve in knob/lever on side facing latch or latch bolt.
2. Turn key approximately one-quarter turn to the right while exerting pressure on wrench until knob/lever catch depresses. Pull knob/lever.

To Replace Knob/Lever

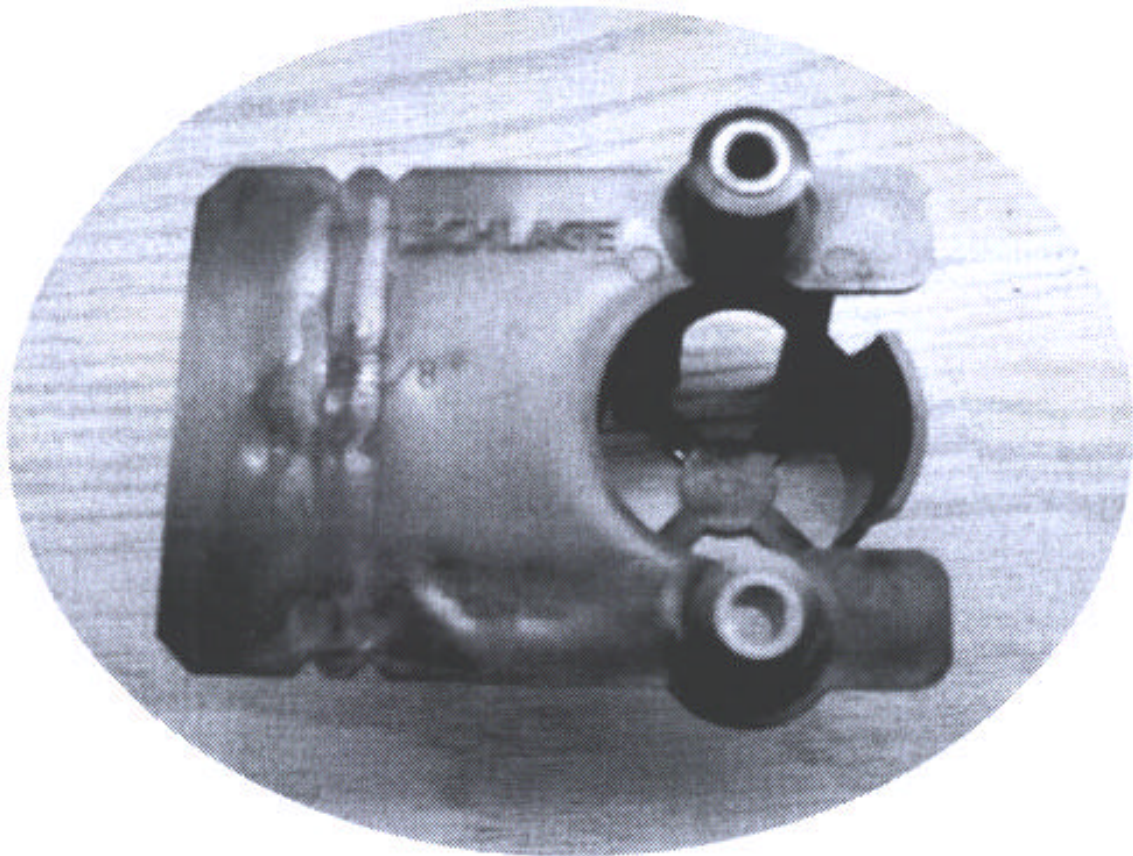
1. With key practically removed and keyway in vertical (for knob) horizontal (for lever) position, slide knob/lever onto spindle until it stops against catch.
2. Insert key fully and turn (however, not the knob/lever) slowly to the right or upwards until knob/lever catch can be depressed with spanner wrench. Push knob/lever until catch is engaged. Pull on the knob/lever to make sure that catch is engaged.

Depending on the function of the lock, always make sure the "timing" is in the correct position

1. Use as flat screwdriver, and insert into chassis far enough to engage key spindle. Rotate screwdriver to the left until key spindle stops turning. Remove screwdriver.
2. Insert cylinder in knob/lever, insert the key partially in the cylinder, and slide knob/lever until it stops against knob catch.
3. Insert key fully and turn only the key slowly to the right until knob/lever catch can be depressed with spanner wrench.
4. When knob/lever is properly installed, the key can be withdrawn after one complete turn to the right.

NOTE: In classroom function the key needs to be turned one complete turn to lock or one complete turn to unlock.

Schlage 40-080 Drill Fixture for use with AL and D-Series Levers



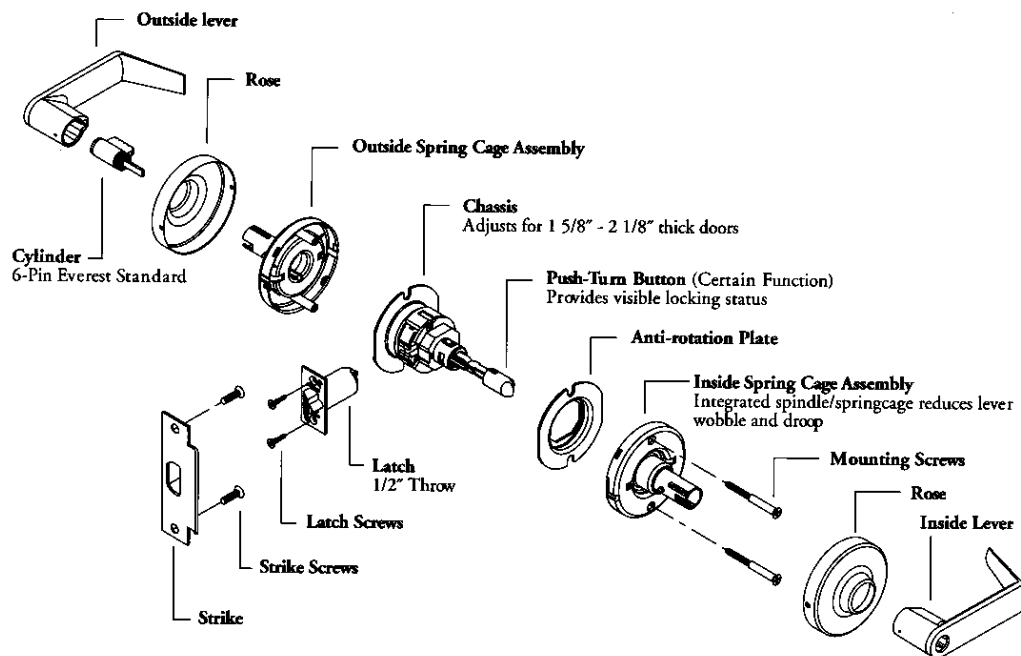
SCHLAGE

D-Lock

A NEW STANDARD IN GRADE 1 SECURITY



Exploded View





How-Do-We-Do-That?

Schlage Installation Instructions

Install Latch

- Slide latch into hole with beveled side of latch toward doorjamb.
- Secure latch with 2 screws.

Remove Assembly From Box

- Leave outside lever and chassis together. When the handing need to be reversed, remove lever from chassis and turn over.
- Remove inside lever by inserting push-pin into hole and depress lever catch. Pull lever straight off.
- Remove inside trim parts as shown. (Rose may already be removed.)

Install Outside lever and Chassis

NOTE: Chassis is factory set for 1 3/4" (44mm) door. For other door thicknesses, see DOOR THICKNESS ADJUSTMENT section. Hold outside lever assembly in place until fastening is complete.

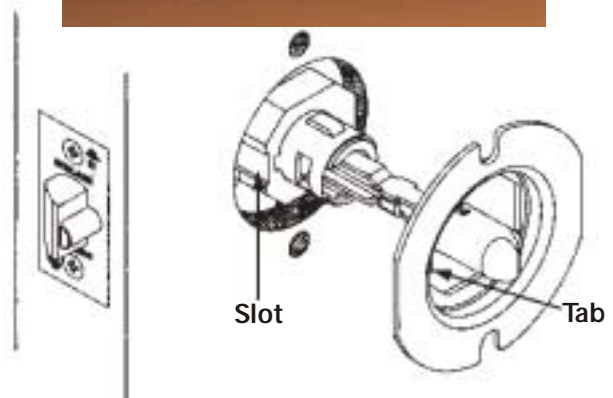
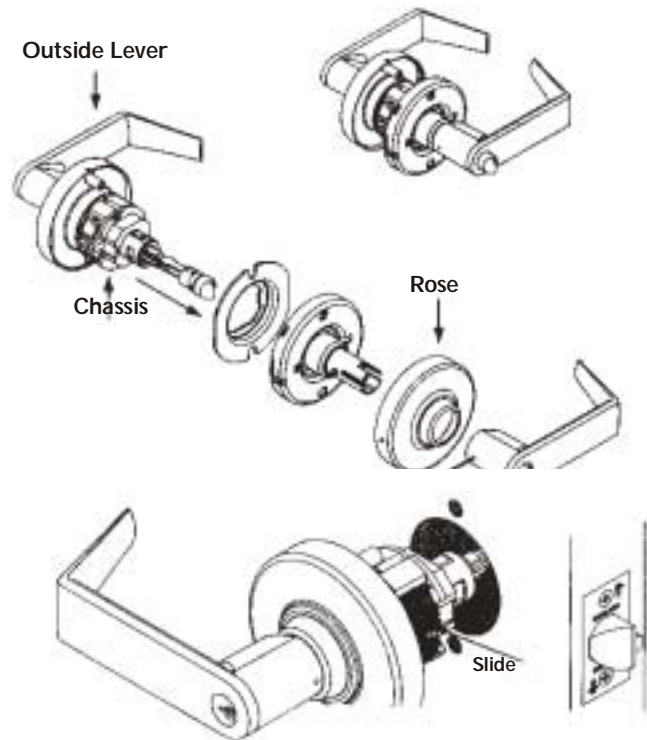
- Insert lever and chassis into cross bore.
- Latch prongs should fit between slide and slide clip. Latch tail should fit inside slide.

Install Anti-Rotation Plate

- Align tab on plate with slot in chassis.
- Slide plate over chassis and into cross bore as shown.



2 Thru Bolts

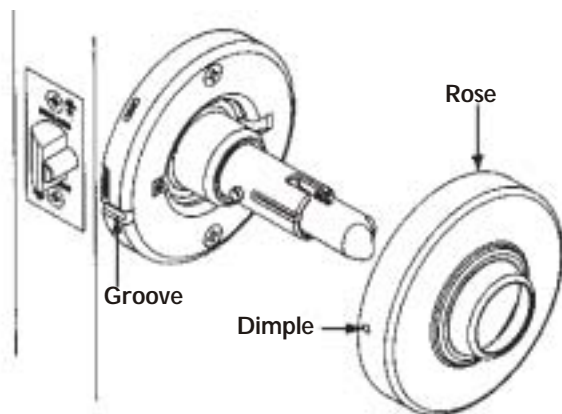


Install Inside Spring Cage assembly

- Lever catch should point towards the door edge.
- Secure with two mounting screws.

Install Inside Rose

- Align dimples on rose with grooves on spring cage.
- Place rose against door and rotate clockwise until it no longer turns.



Install Inside Lever

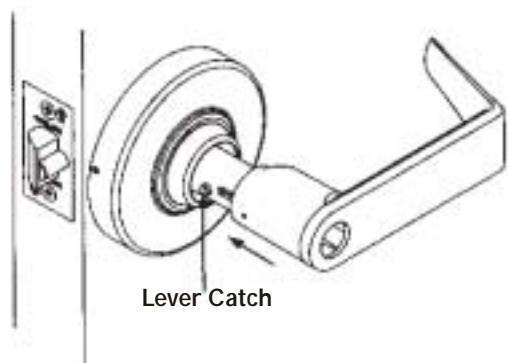
Push lever onto spindle until lever catches.

Install Strike

Install strike and secure with 2 screws.

Check Lock Function

Test lock. If a keyed lock function is not working properly, check the LOCK TIMING.



Exploded View of Schlage D Series Chassis



Outside View no Lever



Inside View no Lever

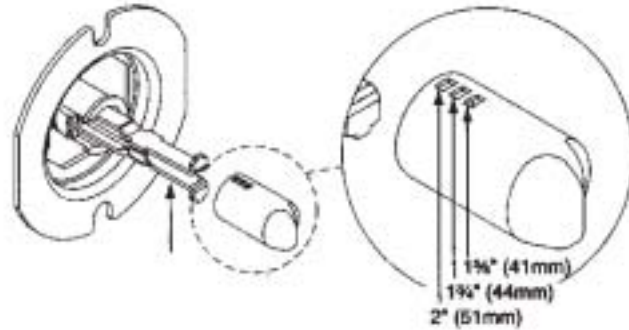


Main Body Parts

Door Thickness Adjustment

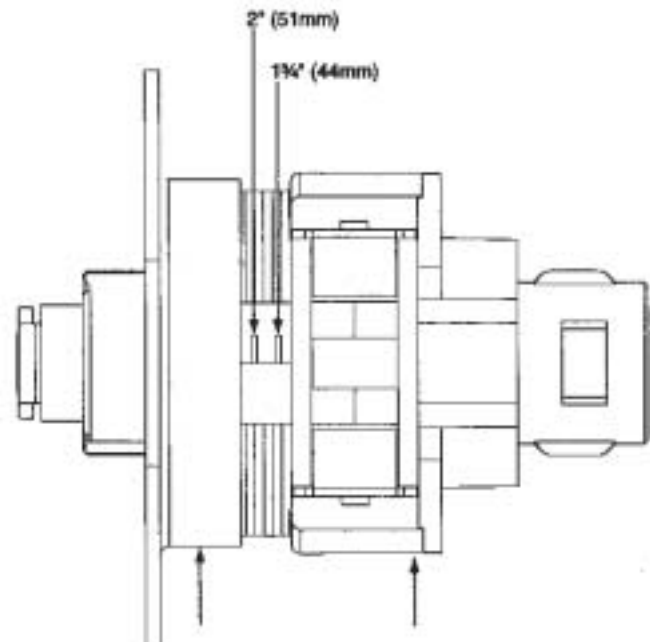
Adjust Button

- To remove button, squeeze prongs together
- Attach button using appropriate hole as shown



Adjust Chassis

- For 1-5/8" door: Rotate adjustment plate clockwise one turn.
- For 1-3/4" door: Rotate adjustment plate until aligned with 1-3/4" mark.
- For 2" door: Rotate adjustment plate until aligned with 2" mark.



Adjustment Plate Chassis

