**instructions for installing SL-series lever handle sets**

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

**SL SERIES ARE PACKED UNASSEMBLED INSIDE BOX FOR CONVENIENCE & QUICK INSTALLATION**

Through bolts are provided and recommended for use on high frequency doors.

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

**4. install strike**

ASA Strike - Standard

- Mark vertical line and heightline on jamb exactly opposite center of latch hole.
- Drill (2) 9/16" (14mm) holes, 1/16" (1.6mm) above and below heightline.
- Use strike plate to pattern for cutout. Clean out hole and install strike.

**2. Drill holes**

- Drill a 2 5/64" (8mm) hole through door (from both sides to avoid damaging door).
- Drill through-bolt type holes for locks No through-bolt type.
- Drill (2) 1/8" (5mm) holes for locks No through-bolt type.
- Use stub to mark center of door thickness.

**5. disassemble inside trim**

- A. Insert latch into hole. Trace around faceplate and secure latch with combi-screws supplied.
- B. Drill (2) 1/8" (5mm) holes for locks No through-bolt type.
- C. Insert the convertible thru-bolts (provided 2pcs) into the outside rose ass'y.
- D. Fasten latch to door so that beveled side of latchbolt faces jamb.

**3. Install latch**

- Install latch into hole. Trace around faceplate and secure latch with combi-screws supplied.
- Drill (2) 1/8" (5mm) holes for locks No through-bolt type.
- Drill (2) 1/8" (5mm) holes for thru bolts is not thru bolts.
- Drill (2) thru bolts in the outside rose ass'y.

**7/6" (22mm) Hole, 1/16" (1.6mm) deep**

- A. Mark centerline of latch.
- B. Drill (2) 7/6" (22mm) holes, 1/16" (1.6mm) deep, into jamb as shown.
- C. Mark a cutout for the strike. Use strike as a pattern for the mortise.

**inside lever**

- A. Disassemble inside lever.
- B. Disassemble inside rose assembly.
- C. Disassemble inside mounting plate.

**through bolt install convertible thru-bolts**

- A. Insert the convertible thru-bolts (provided 3pcs) into the tapping holes for convertible thru-bolts in the outside rose ass'y.

**Lock Installation**

Must use "MB-0.75-S.5L" if thru bolts is not installed.
Must use "F10-206L-5.0-18" (packed with convertible thru bolt) in installing convertible thru bolt.

**门外锁芯**

- A. Mark door for proper backset and body outside through - both type before marking. NOTE: Through bolts are provided and recommended for use on high frequency door.
- B. Drilling stub.
- C. Fold template at correct marking for door bevel (high or low bevel, or flat).
- D. Position template at correct height (recommended height for centerline is 3/4" (19mm) from floor).
- E. Mark center for 3/4" (19mm) hole.
- F. Also mark for (2) 3/16" (5mm) holes for through-bolt type.
- G. Use stub to mark center of door thickness.

**quick installation**

- For retrofilling existing lock holes, fold template in half to position for the mounting screws.

**NOTE:** Do not drill the (2) 3/16" (5mm) holes for locks No through-bolt type.

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Lockset is factory preset for 1 3/16" (45mm) doors.

Adjust for door thickness:
- For adjustment of door thickness, follow step 11, then:
  A. Adjust outside mounting plate for proper door thickness.
  B. Tighten the mounting plate to lock body with screws supplied.

NOTE 1: Two #10 x 1/2" screws can be used for outside through bolt type only.
NOTE 2: Two M6.0 x 8.5L screws can be used for no through bolt type only.

7. Install outside lock unit
   - Align dimples on rose with grooves in inside rose assembly.
   - Place rose against door and rotate clockwise until dimples snap into slots next to the grooves.

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

9. Install outside lock unit
   - CAUTION: When using power screwdriver for installation, set to minimum torque setting.
   - Drill (6) 9/64" (3.5mm) holes and secure the mounting plate with four combi-screws supplied.

10. Reassemble outside lever
   - Reverse Step 11 to reassemble lever.
     A. To reassemble, put a cylinder and key in lever.
     B. Push cylinder further in until it engages retractor.
     C. Turn key 90° clockwise and hold a key.
     D. Depress lever catch and push lever (not key) in until it clicks then release a key.

11. Remove outside lever
   - IMPORTANT: Place outside lock unit into position. Make sure that latch prongs engage chassis housing and latch retractor engages latch bar.
   - How to remove & reassemble 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.
     B. Test operation of lock to make sure you have followed instructions correctly.

12. Reassemble outside lever
   - Make sure to turn cam anti-clockwise by driver as far as it will go before reassembling of cylinder to prevent mis-positioning of cam for classroom function.

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