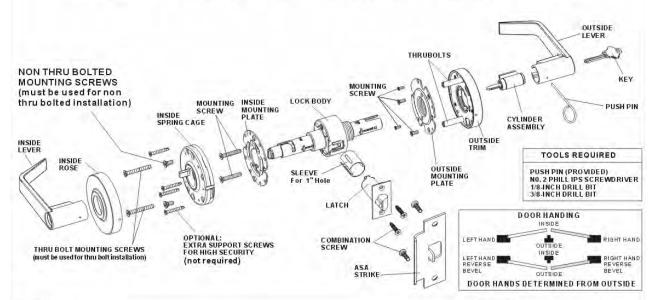
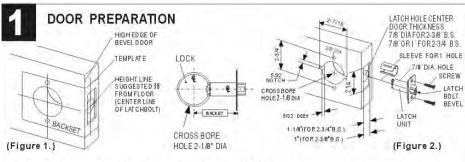
X-Series Heavy Duty Grade 1 Lock **Installation Instructions**



Leverset is set for 1-3/4" thick door - Backset 2-3/4"

*THRUBOLTS ARE PROVIDED AND RECOMMENDED FOR USE IN HIGH SECURITY DOORS.





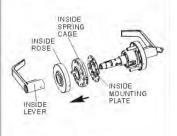
- 1. Check lock for proper backset and body outside stud bolt type before drilling
- 2. Place paper template (supplied) on the door and mark for

Drill the cross-bore holes, and then the latch holes. NOTE:

Cut notches on 2-1/8" cross-bore hole on both sides for steel or wood doors (Refer to fig. 2)

- 3. Drill (2) 3/8" thru bolt holes half way thru from each side of door to prevent damaging door unless lock is to be installed without thru bolts then skip to step 4. 4. Mortise latch unit front 5/32" into door edge to dimensions shown in fig.2. 5. Insert latch unit with sleeve if hole is 1" dia, or without
- sleeve into 7/8" dia. Make certain that laich bolt bevel faces direction of closing door. 6.Drill two 1/8" dia. holes and secure laich unit with
- combi-screws supplied.

DISASSEMBLE A LOCK



1. Disassemble inside lever

but do not tighten these two screws yet.

2. Disassemble inside rose assembly and inside mounting plate.

IMPORTANT INSTALL LOCK ONTO DOOR CATCH If the door is thicker than 2", the catch will be covered by inside rose, do not LATCH PRONGS LATCH install inside lever INSIDE TAIL and lock INSIDE SLIDE MOUNTING SCREWS ROSE LONG MOUNTING LOCK CHASSIS THRUBOLTS ARE SCREWS (T) (e) FOR USE ON HIGH SECURITY DOORS Must use short mounting 1 screws if thru bolts are not used. INSIDE MOUNTING PLATE 3B: Install inside mounting plate with short mounting screws. 3C: Install inside spring cage with long mounting screws for thru bolt Note: OPTIONAL if using thru bolts, 3A: Place lock body into position. Make sure installation or short mounting screws for non thru bolted installation,

Not to scale 1:1. Measurements are for reference only. Not a drilling template.

but recommended for use on

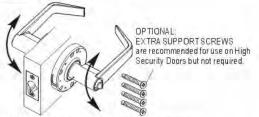
High Security Doors.

and slide engages latch tail.

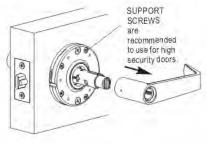
that latch prongs engage chassis housing,

3

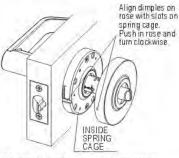
INSTALL LOCK ONTO DOOR (Continued)



3D: Slide inside lever onto spindle and check to see if the rotation is smooth. Adjust the radial clearance between inside spring cage and inside lever if necessary. Then tighten two mounting screws all the way. OPTIONAL: Install the four extra support screws now for use on High Security Doors.



3E: Insert push pin into hole to depress catch and remove inside lever.



3F: Install inside rose, make sure inside rose and inside spring cage are secure.

CENTER LINE

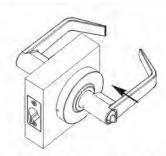
Turn back key to normal position.

Right

after assembling

keyway

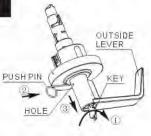
direction



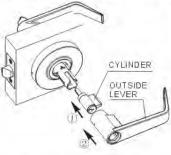
3G: Slide inside lever onto spindle. Push Tever completely onto spindle until it locks into place. (Pull on lever to make sure that catch is fully engaged.)

INSTALL STRIKE JAMB After door is closed, deadlocking plunger is retracted,

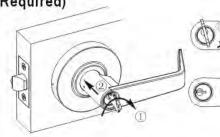




5A: Turn key 75° clockwise, insert push pin into hole in outside lever to depress catch. Remove the outside lever.

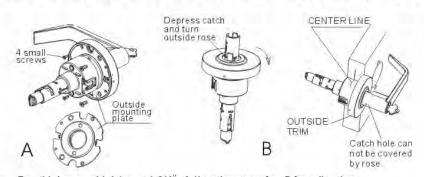


5B: Install cylinder and lever.



5C: Turn the key approximately 80° clockwise and push the lever all the way onto the spindle and then turn the key back to normal position.

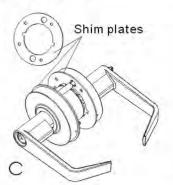
INSTRUCTIONS FOR ADJUSTING LOCK TO FIT DOOR THICKNESS OTHER THAN 1-3/4"



For thickness which is not 1-3/4", follow the steps A or B for adjusting:

- A 1. Screw off two thru bolts and 4 small screws.
 - 2. Turn outside mounting plate to adjust center line of lock body to match the centerline of the door.
 - 3. Screw 4 small screws back to outside mounting plate for next installation.
- B 1. Refer to 5A above, remove outside lever, depress catch, turn outside rose to make it fit for your door thickness. Make sure centerline of lock body matches the centerline of the door.

2. Refer to 5B and 5C above to reinstall outside lever.



C: If the lock is to be used on a door 13/8" thick, two shim plates must be added to thicken the door. (available separately)
NOTE:

Not recommended for non thrubolt installation.