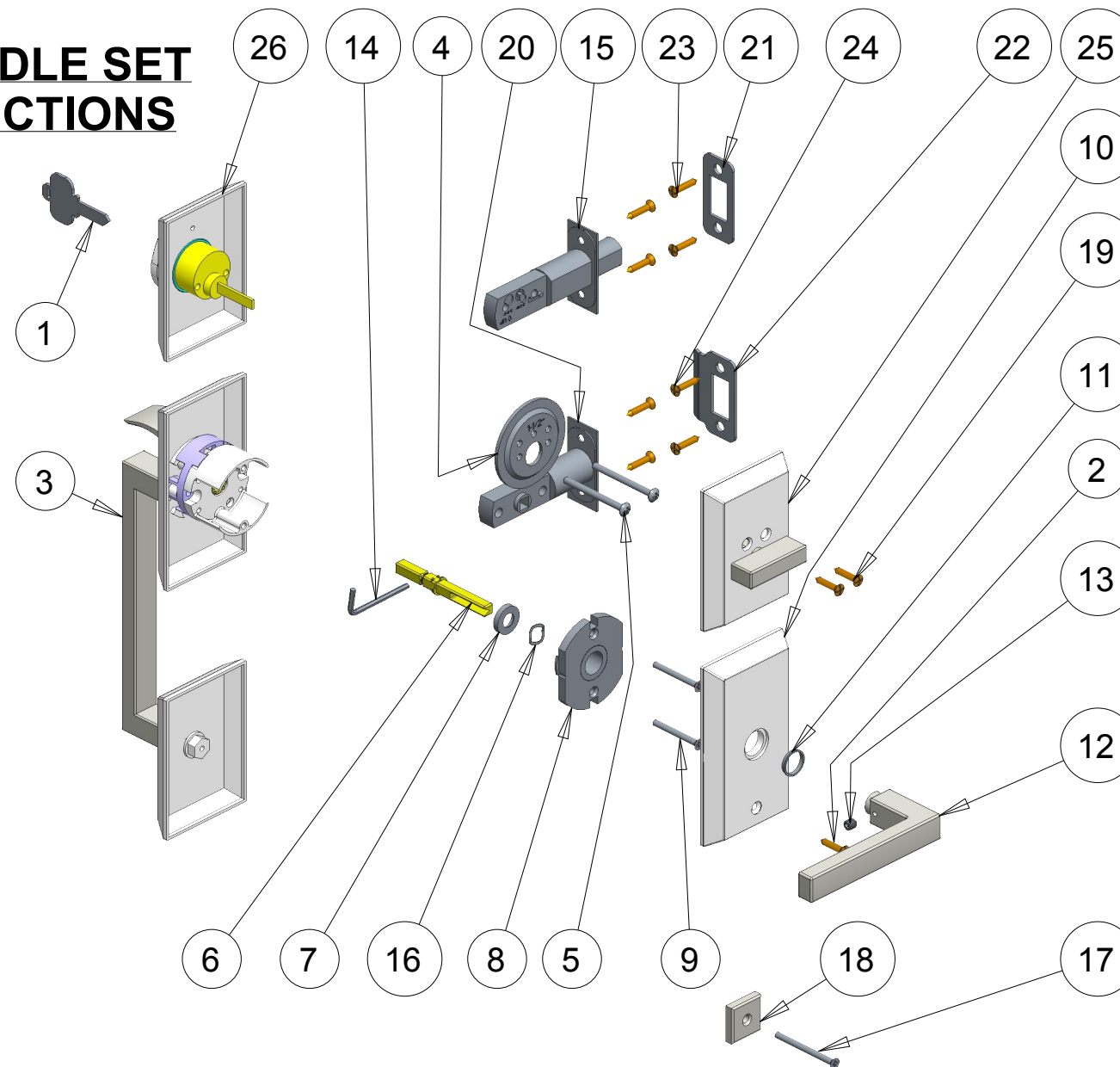


SINGLE CYLINDER HANDLE SET INSTALLATION INSTRUCTIONS

1. Key
2. Wood Screw
3. External Pull Assembly
4. Deadbolt Mounting Plate
5. Deadbolt Mounting Screws
6. Spindle
7. Spindle Collar
8. Latch Mounting Plate
9. Latch Mounting Plate Screws
10. Internal Plate
11. Plastic Washer
12. Lever
13. Set Screw
14. Allen Key
15. Deadbolt
16. Wave Washer
17. Bottom Screw
18. Bottom Screw Washer
19. Internal Plate Screws
20. Latch
21. Deadbolt strike plate
22. Latch strike plate
23. 3" Wood Screw
24. Combo Screw
25. Internal thumbturn assembly
26. External cylinder assembly



(2) Deadbolt mounting screws
#10-32 X 2"

(2) Internal plate
mounting screws
#8-32 X 7/8"

(2) Latch mounting
plate screws
#8-32 X 1-1/2"

(1) Bottom screw
#8-32 X 2-1/2"

(1) Set screw
#1/4-20 X 1/4"

(1) Wood screw
#8 X 1"

(2) Wood screw
#10X 3"

(6) Combo screw
#8 X 3/4"

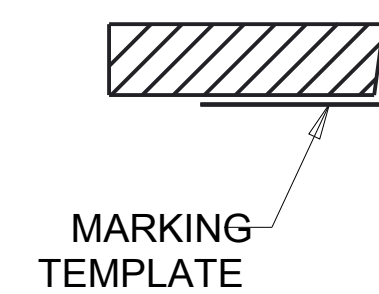
BEFORE YOU BEGIN

Check door thickness as handle will work with a 1-3/4" thick door only. If door thickness is greater than 1-3/4" up to 2-1/4" thick please contact Rockwell Security Inc. Follow step by step installation instructions to ensure proper operation of handle set.

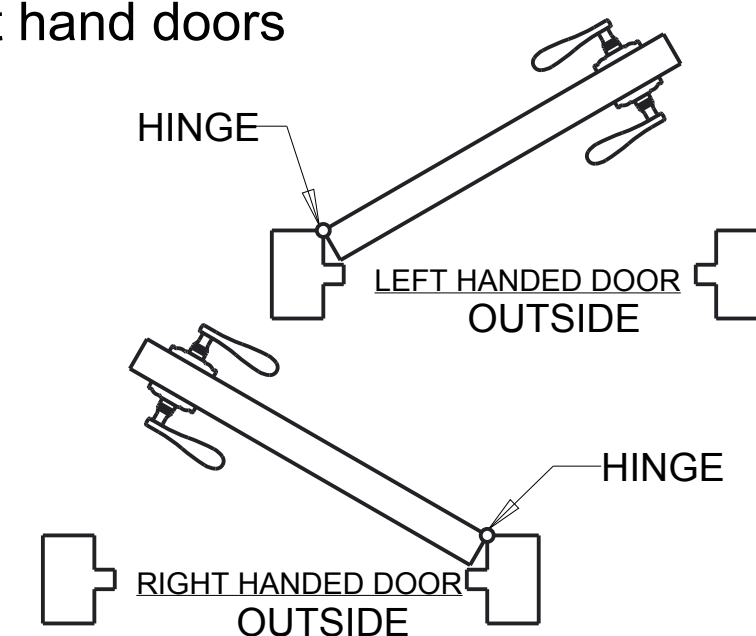
Always wear protective eyewear.

1. Door Preparation

A. Measure thickness of door. Ensure door is at least 1-3/4" thick. If door thickness is less than 1-3/4" **DO NOT PROCEED WITH INSTALLATION.**
B. Fold the marking template for the handle set on the line and place on the door aligning A and B of the template with the double bore of door. Locate and mark hole E with a pencil. Carefully drill hole E perpendicularly (at a 90°) to door with a 3/8" drill bit. **IMPORTANT:** Double check hole E location before drilling.

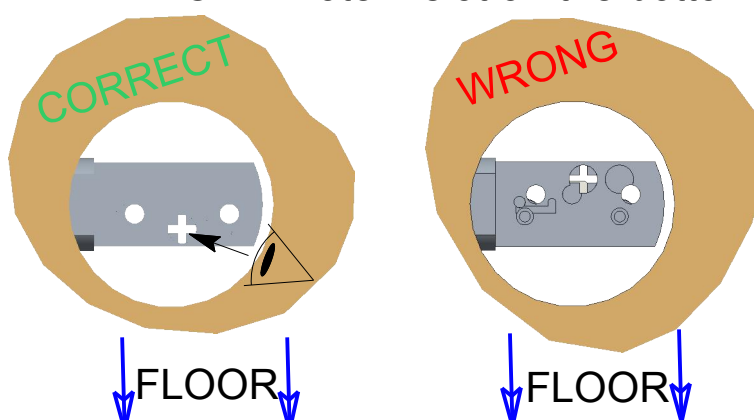


2. Determine the handing of your door. Standing on the outside of the door, if the hinges are to the left of the door then the door is left handed and if the hinges are to the right of the door then the door is right handed. Handle sets are supplied with left and right hand spindle transmissions to work on both left and right hand doors

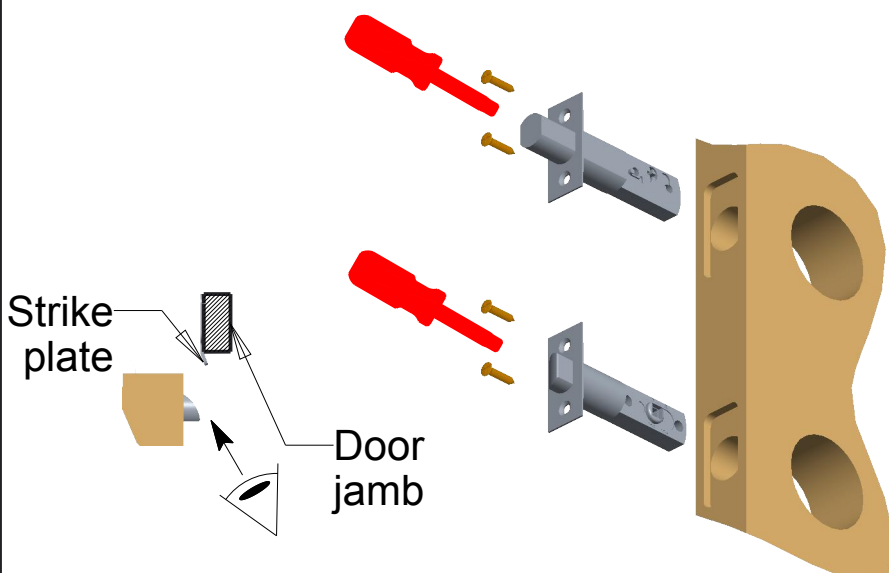


3. Install the deadbolt and the latch on the door. **RESPECT ORIENTATION AS DESCRIBED BELOW.**

DEADBOLT: Note + slot on the bottom



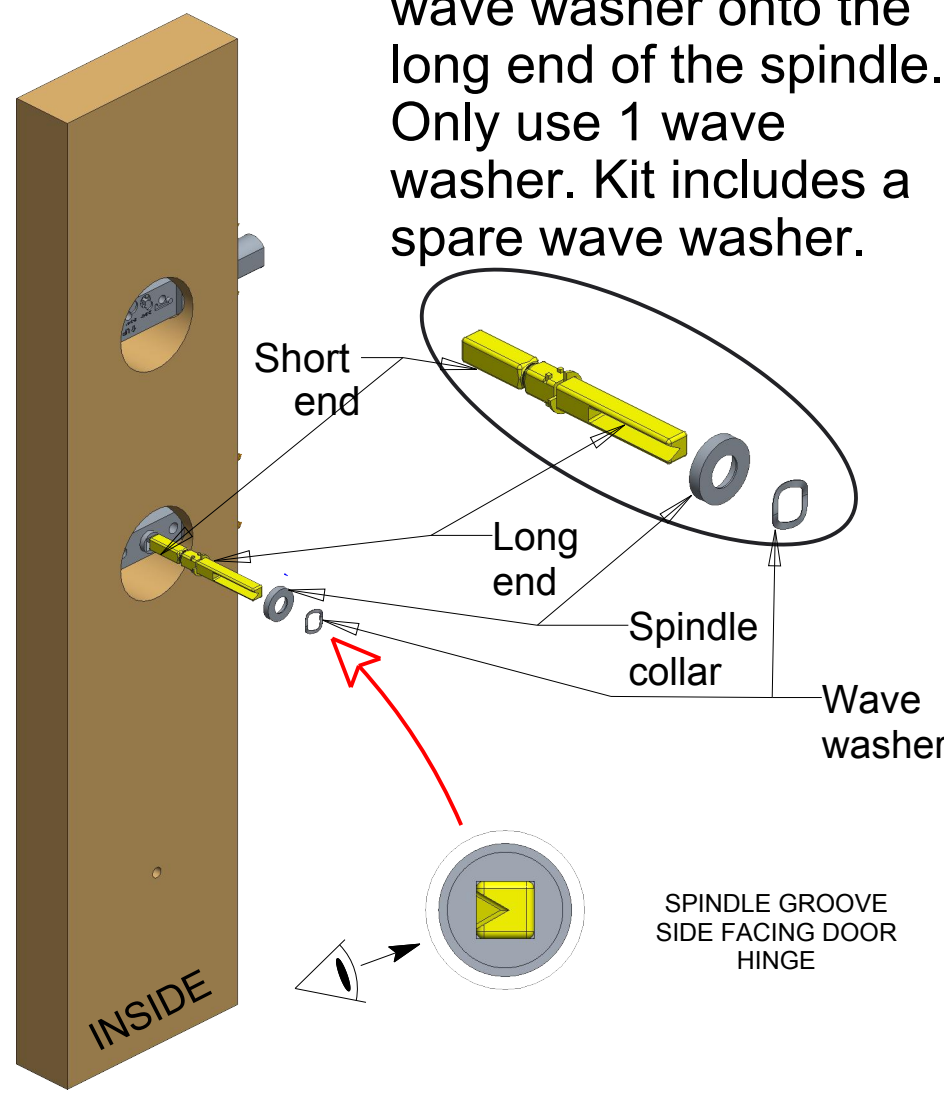
LATCH: Angle side of latch bolt should face door jamb and strike plate.



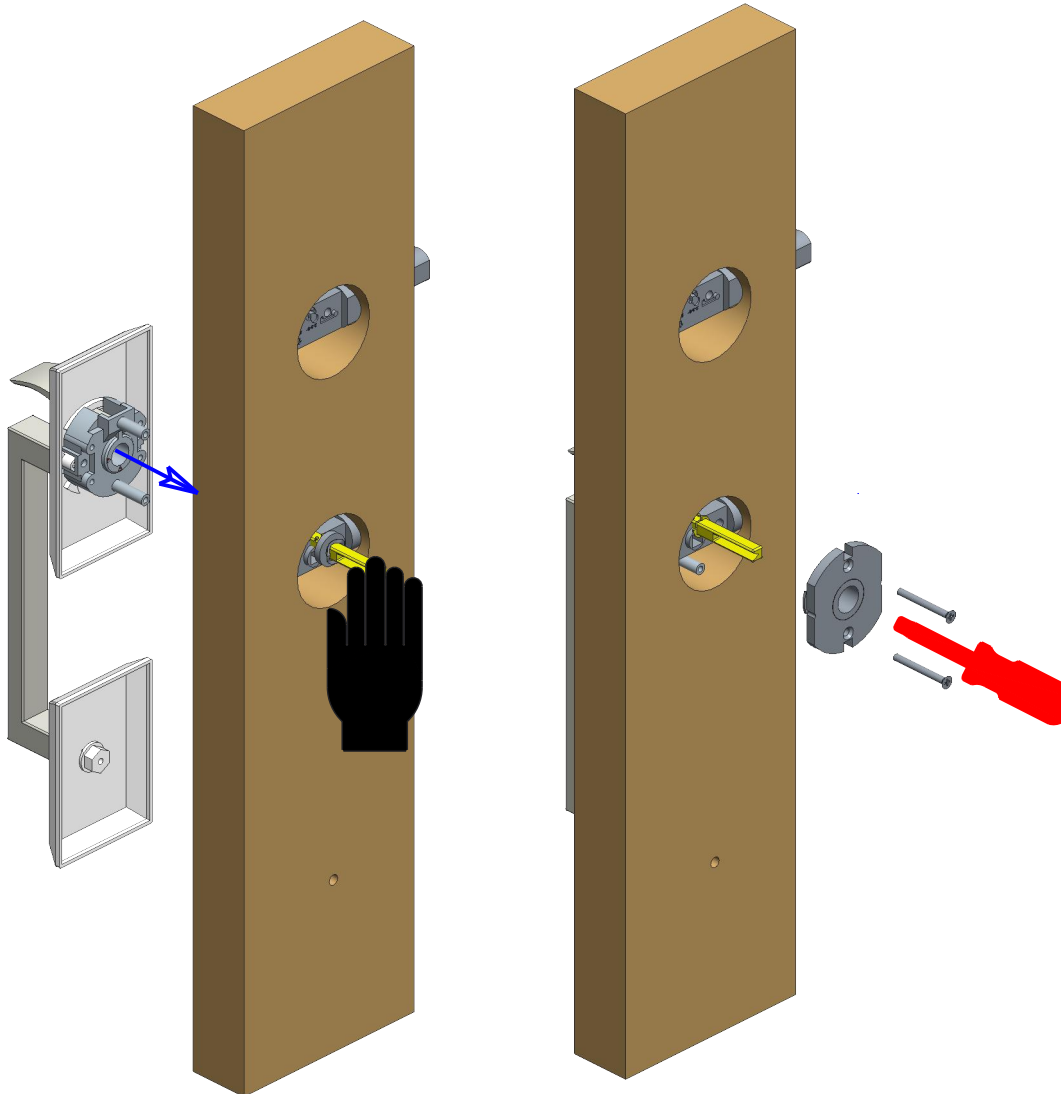
4. Extend the deadbolt of the lock by inserting the Phillips screwdriver into the cross slot and turning.



5. Insert from the inside of the door the short end of the spindle into the latch hub of the lock, ensuring the groove side of the long end of the spindle is facing door hinge. Slide the spindle collar and the wave washer onto the long end of the spindle. Only use 1 wave washer. Kit includes a spare wave washer.

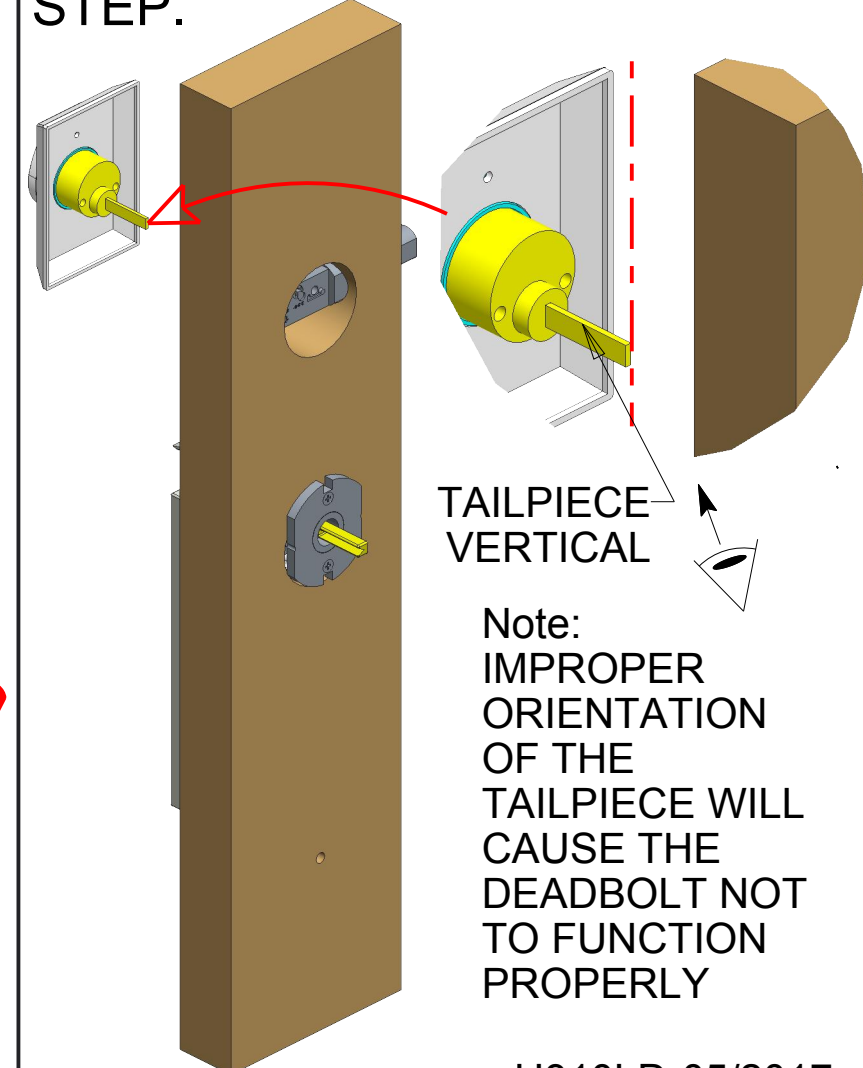


6. Hold the spindle from inside and slide the cartridge of the external pull assembly onto the spindle. Holding the pull assembly, slide the Latch Mounting plate onto the spindle and secure by inserting the latch mounting plate screws. Do not overtighten the screws.



7. Keep the tailpiece of the cylinder vertical. Engage the tailpiece in the lock.

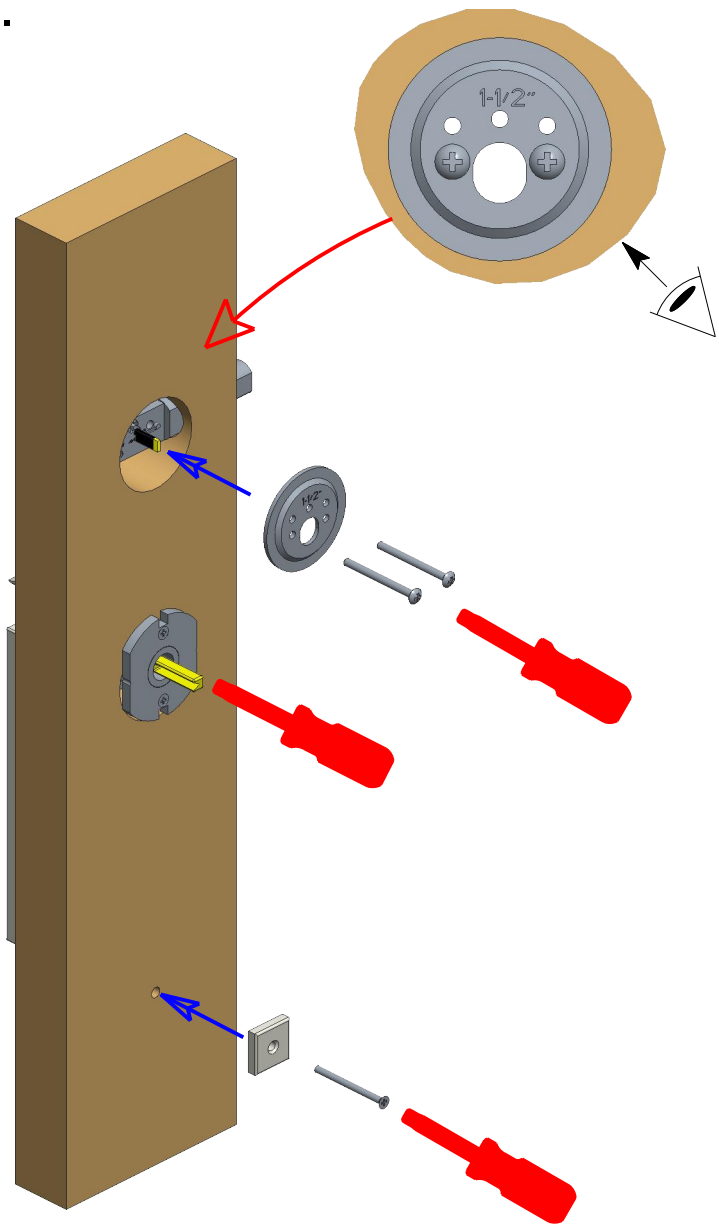
DO NOT INSERT THE KEY INTO THE CYLINDER DURING THIS STEP.



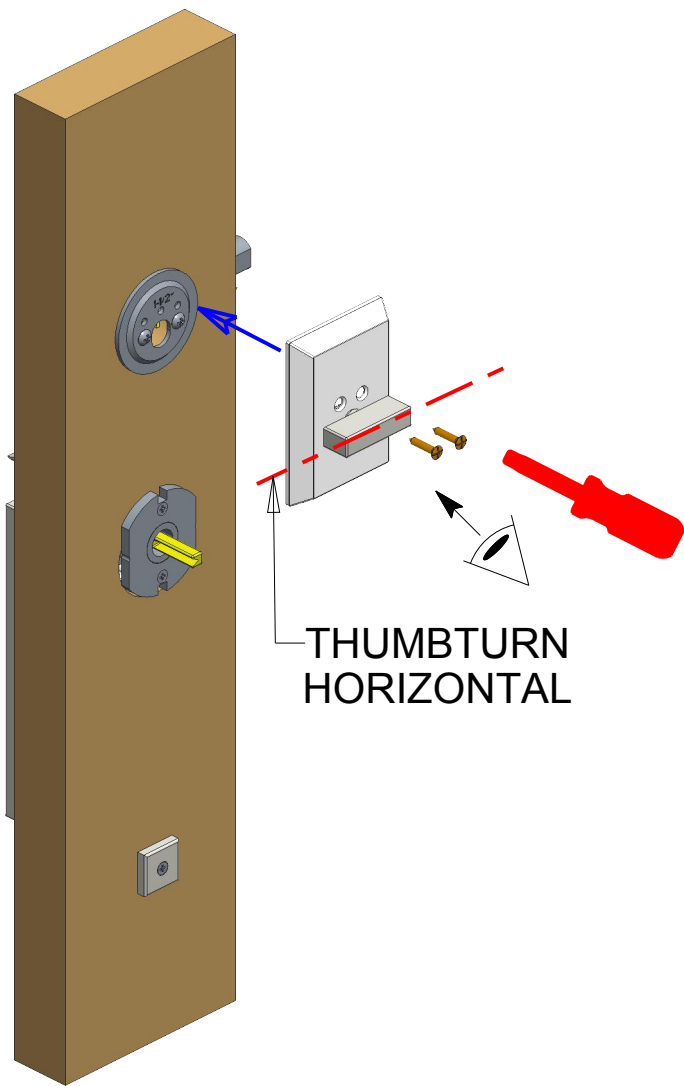
REQUIRED TOOLS

- Protective Eyewear
- #2 Phillips Screwdriver
- Pencil
- 3/8" Drill Bit

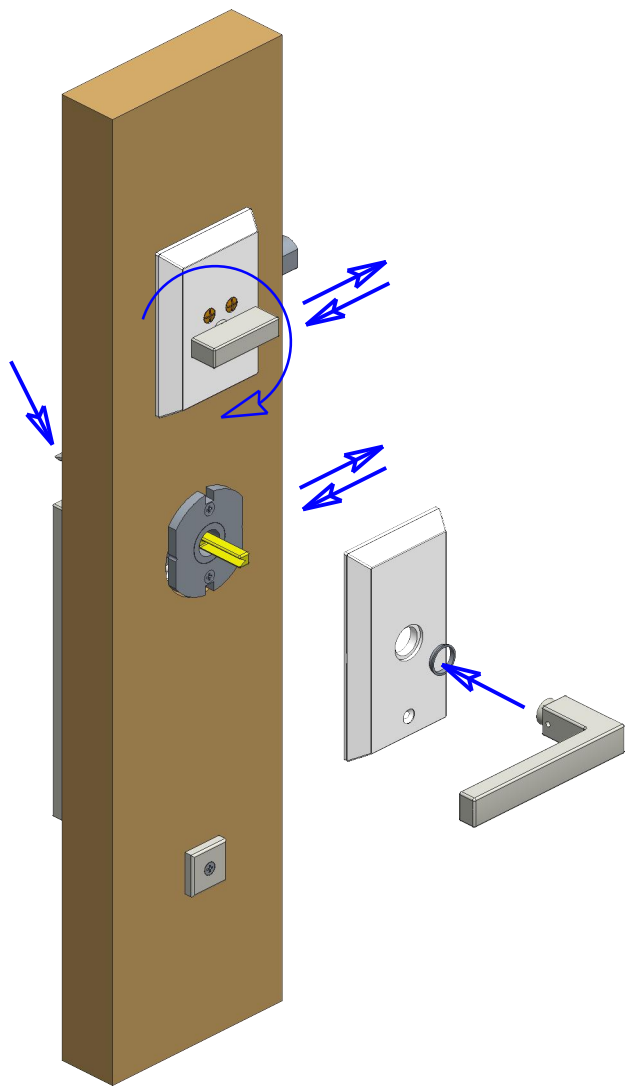
8. From the inside of the door orient the deadbolt mounting plate and secure by inserting the two deadbolt mounting screws through the deadbolt mounting plate, lock, and into the cylinder housing. Install bottom screw with screw washer. Tighten the 2-1/2" flat head machine screw. DO NOT OVER TIGHTEN MOUNTING SCREW.



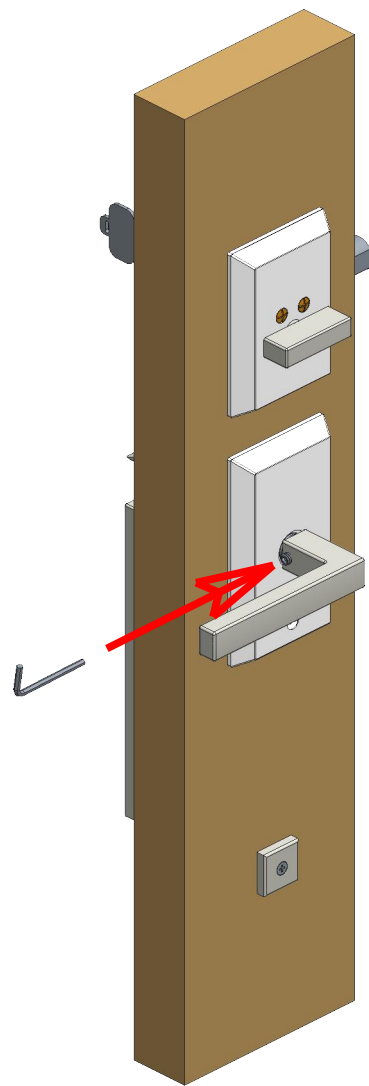
9. Position the internal thumbturn assembly over the mounting plate and insert the cylinder tailpiece into the thumbturn of the internal plate assembly. Ensure the Thumbturn is horizontal.



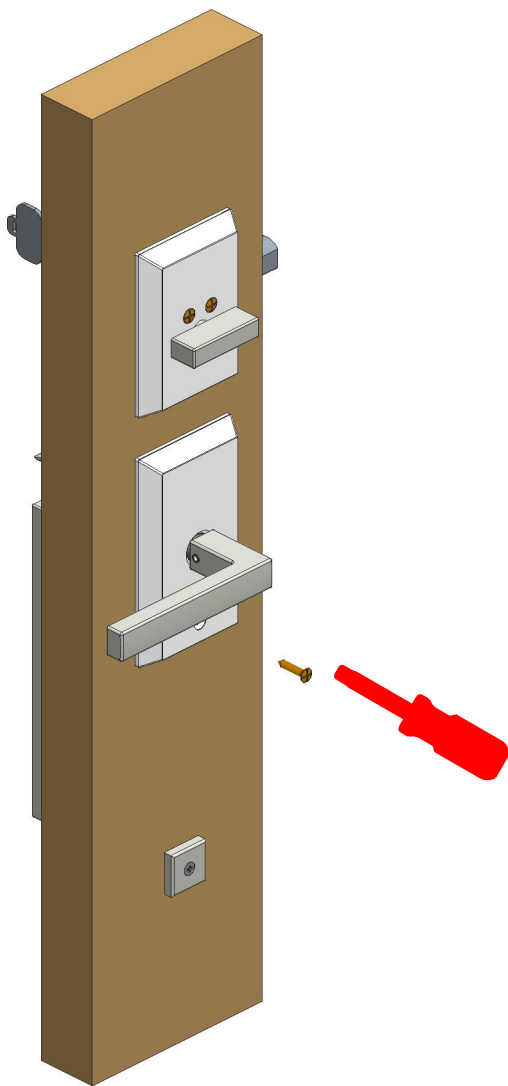
10. Place the plastic washer on the shank of the lever. Test operation of the thumbturn and thumbpiece prior to proceeding further.



11. Press the lever snugly against the internal plate and tighten the set screw with the provided Allen wrench.



12. Align the internal plate with the edge of the door and mark the position of bottom screw hole locations. Drill a 1/8" pilot hole and secure the internal plate in place with the wood screw on the bottom



PROBLEM	SOLUTION
Can't extend (lock) deadbolt unless key is in cylinder. Can't remove key from cylinder when the deadbolt is extended (locked).	Cylinder tailpiece is not oriented properly. Re-install the cylinder by removing the pull assembly. Rotate the cylinder tailpiece 180 degrees and re-install. Refer to steps 7 thru 12.
When thumb grip is depressed or knob/lever is rotated the latch catches and doesn't spring back.	Ensure door is at least 1-3/4" thick. The latch mounting plate is installed too tight. Referring to step 8, back the two 1-1/2" flathead machine screw out until the latch operates freely. Check whether the spindle collar is causing the latch to bind.
Knob or lever keeps coming off the spindle	Ensure the spindle is oriented with the groove facing hinge door and the set screw is securely tightened. Refer to steps 5 and 11.
Deadbolt can easily be locked using the interior plate assembly on the inside but is difficult to lock when locked with the key from the outside.	The cylinder is not properly aligned with the interior plate assembly or improper door thickness. Remove the internal plate assembly and loosen the two deadbolt mounting plate screws. Align the cylinder and retighten the deadbolt mounting screws. Ensure your door thickness is at least 1-3/4" thick
The thumb grip cannot be depressed to retract the latch.	Ensure door is at least 1-3/4" thick. The orientation of the hub in the spindle cartridge is incorrect. Remove the handle and re-install refer to step 3 thru12. Ensure the hub on the spindle cartridge is oriented properly.
Cannot extend deadbolt with the interior plate assembly or key when door is closed.	Open door and try to extend deadbolt. If deadbolt extends easily with the door open then the strike is not aligned with the deadbolt and/or locking points. Adjust the strike to align with the deadbolt and/or locking points.