

INSTALLATION INSTRUCTIONS:

4800 SERIES MULTIPOINT LOCK

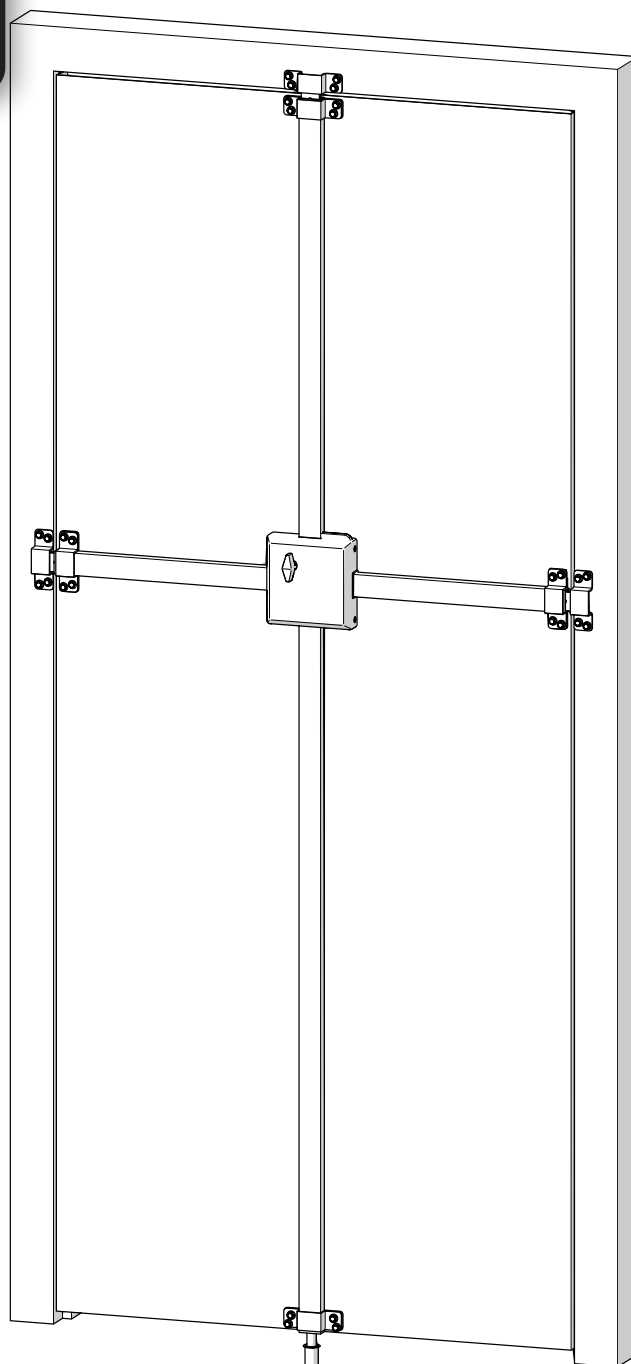
Use with Series: 4800

Tools Required: Phillips screwdrivers
Open end wrenches
Slotted screwdrivers
Nut drivers
Power drill
1/8" to 1" Drill bits*
*see templates for all sizes of drill bits
needed
1/8" hex key
T-Square
Blue painter's tape
Level
Marking putty (or lipstick)

***Damage caused by misuse of power tools is
not covered under warranty.***

NOTE: Parts received may be
slightly different from parts
shown in instructions.

Please refer to packing list for
details on parts and fasteners
received.



Questions? Please call Tech Support

800-622-5625

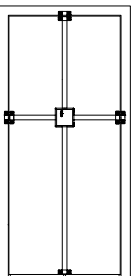
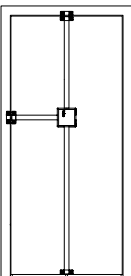
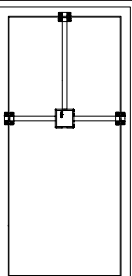
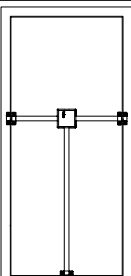
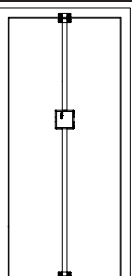
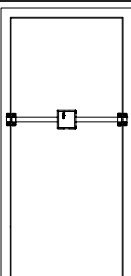
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A. 4800 MODEL CONFIGURATIONS

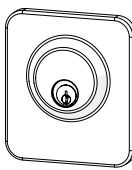
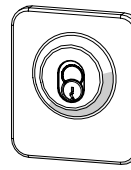
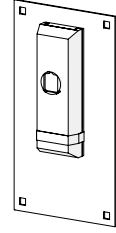
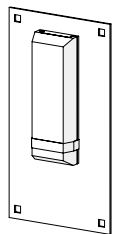
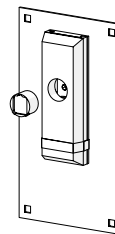
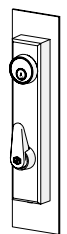
Bolt Configurations:

4840	4831
2 horizontal 2 vertical	1 lockside horz. 2 vertical
	
4832	4833
2 horizontal 1 top vertical	2 horizontal 1 bottom vertical
	
4822	4820
2 vertical	2 horizontal
	

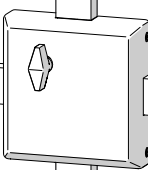
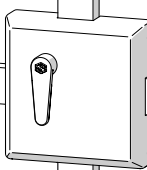
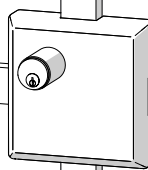
Door Swing:

A	Inswing
B	Outswing

Exterior Trim Options:

HG	BG	SG
Hard Guard	Best Guard	Securiguard
		
DG	SR	TG
Dust Guard	Securiguard with Removable Bay	Keyed Exterior Trim
		
XX	Blank Exterior	

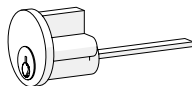
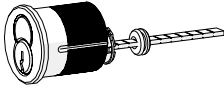
Interior Trim Options:

TT	LT	CO
Thumbturn	Elongated Turnpiece	Keyed Cylinder
		

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4 8 4 0 A - T T B G R - 3 7

Cylinder Options:

	No Cylinder Included		
C	Conventional Rim Cylinder	R	SFIC Rim Cylinder and Core
			

Door Height:

7	7 feet
8	8 feet

Door Width:

3	3 feet
4	4 feet

NOTE:

- MPK-TB# accessory includes thru-bolt plates for mounting channels



Before you begin installing,

- Check that everything in the parts list was received.
- Read all of the installation instruction steps.

B. DOOR PREPARATION

MAKE LIFE EASY. READ THROUGH THE ENTIRE INSTALLATION INSTRUCTIONS FIRST

- A) Check door closer for proper operation.
- B) Before attempting to install this device make sure that door frame is square and plumb, door is not sagging, and clearances between door and frame are within acceptable tolerances per standards corresponding to door type.
- C) Lock edge of door needs to be free of insulation, debris, and weather stripping.
- D) Make all door adjustments before starting the lock installation.
- E) Remove all burrs. All holes must be smooth.

1 On the inside face of the door, measure and draw a horizontal line at 50-1/2" from the bottom of the door. Then, draw a vertical line along the center of the door.

2 Align horizontal and vertical reference lines on the door with the reference lines on the marking template TMP-01563. Use marking template to mark holes.

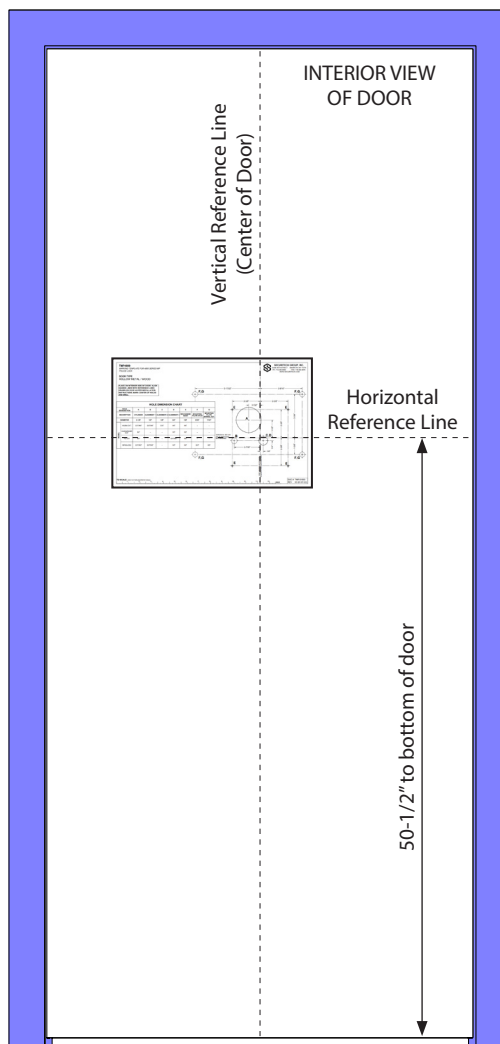
 For SR/SG/DG models, refer to TMP-01656 to mark exterior trim mounting holes.

 For TG models, refer to TMP-01776 to mark exterior trim mounting holes.

 For MPK-TB# accessory, refer to TMP-01788 to mark thru-bolt holes.

3 Drill all marked holes in accordance to template(s) provided.

4 Remove all burrs and clean any debris in the holes.



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C. CYLINDER INSTALLATION



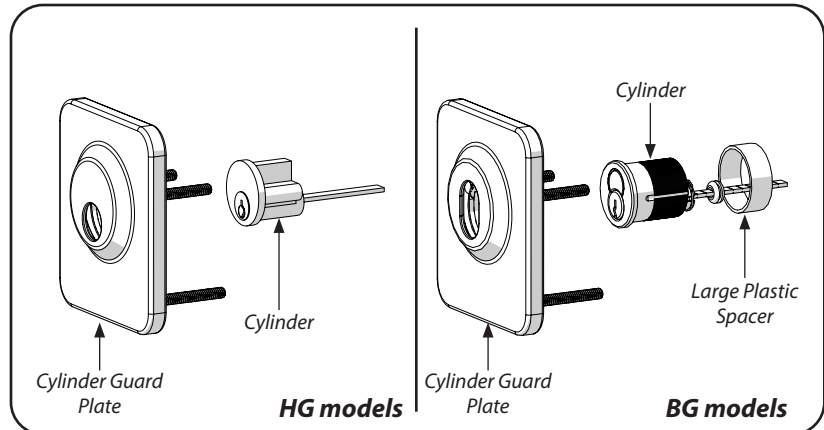
For models with pre-installed cylinder (HGC, BGR, TGC/R, SRC/R, SGC/R, DGC/R), proceed to Section D: Lock Mechanism Installation.

To remove and/or replace cylinder, first remove exterior trim from door and refer to instructions on current page.

For HG/BG models:

- 1 Install cylinder into cylinder guard plate.

NOTE: For BG models, cylinder guard is only compatible with 1-3/8" long cylinders. Install large plastic spacer behind cylinder.

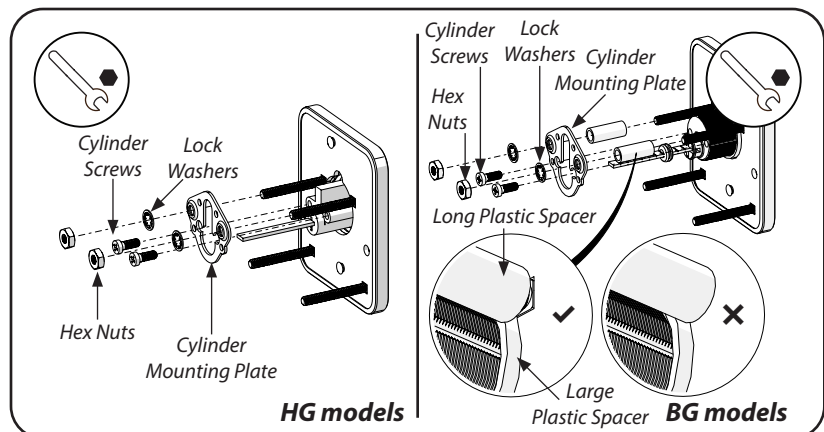


- 2 Install cylinder mounting plate onto corresponding guard plate posts.

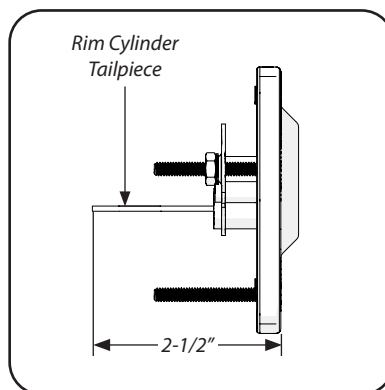
NOTE: For BG models, also install (2) plastic spacers. The long spacer must sit on top of the large spacer, not the base.

Secure cylinder mounting plate to cylinder using (2) cylinder screws, (2) hex nuts and (2) lock washers.

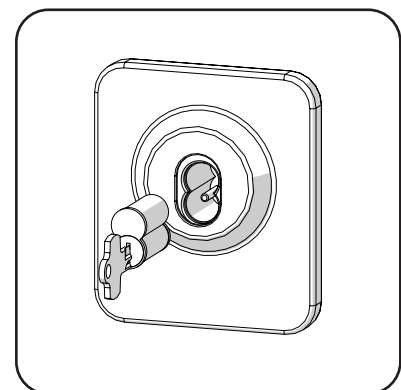
NOTE: Cylinder screws (not included) are typically supplied with cylinder. Cut to 5/8" length.



- 3 Cut rim cylinder tailpiece to indicated length.



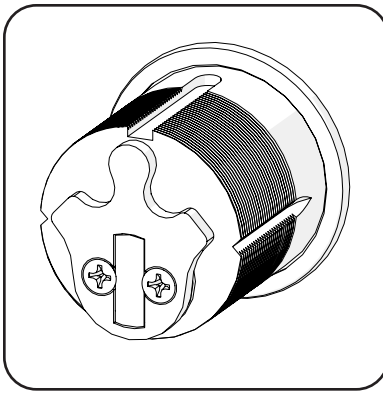
For BG models only:
BG model exterior trim is designed for SFIC mortise cylinder. SFIC core can be replaced without removing or disassembling exterior trim. Use Master Key to remove SFIC core from exterior trim.



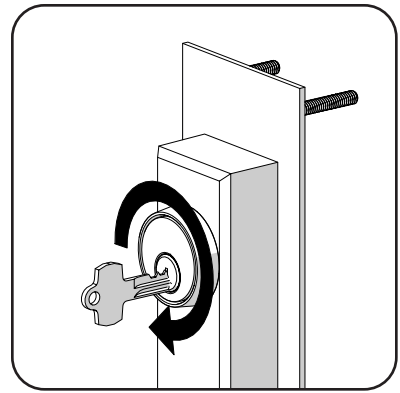
For TG models:

1 Before installing cylinder into trim, make sure cloverleaf cam is installed. The following cams are compatible with trim:

Ilco 863S, Ilco 863D,
Ilco R2800S#3-00-10, or
Best C161

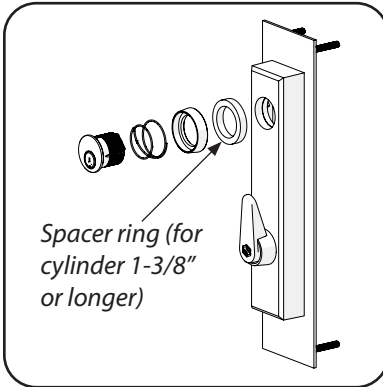


3 Partially insert key into cylinder. Rotate cylinder clockwise (CW) to screw cylinder into trim until cylinder bottoms out in the trim. Rotate cylinder counterclockwise (CCW) to back up by 1-2 turns.

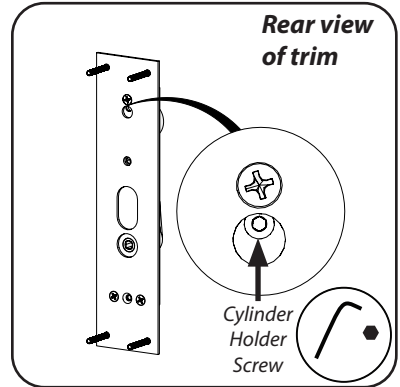


2 Install cylinder into exterior trim with spring and collar.

NOTE: For cylinders 1-3/8" or longer, use spacer ring provided.



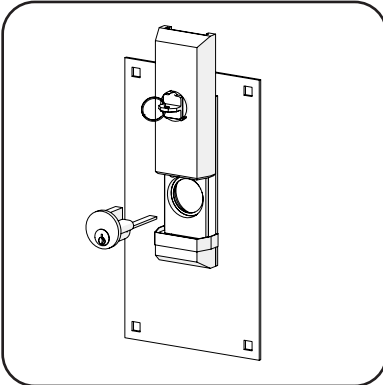
4 Use 1/8" hex key to tighten cylinder holding screw by 3-4 turns at back of exterior trim.



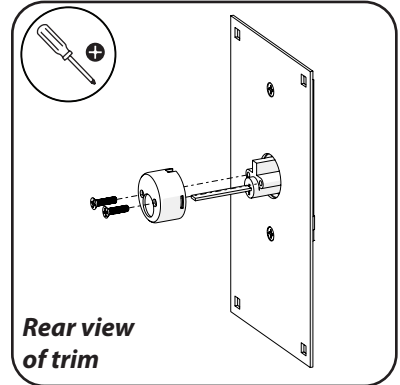
For SR/SG/DG models:

1 Open cover. For SR/SG models, use magnetic key to unlock cover before opening.

Install cylinder.

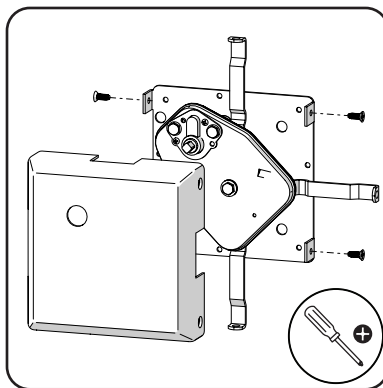


2 Secure cylinder to mounting bracket with (2) Phillips screws.

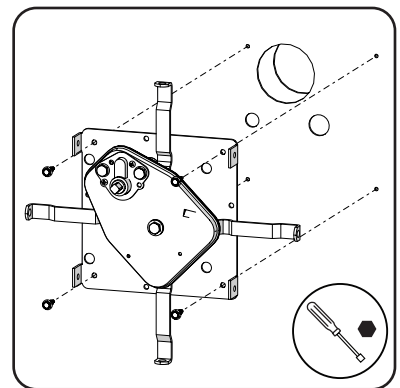


D. LOCK MECHANISM INSTALLATION

1 Remove cover from main mechanism by removing (4) screws in the sides of cover. **Do not discard screws.**



2 Align mechanism base with (4) pre-drilled pilot holes. Fasten mechanism to door with (4) self drilling screws.



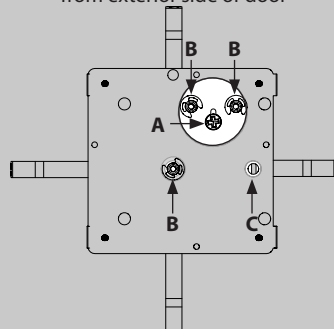
E. EXTERIOR TRIM INSTALLATION

For HG/BG models:

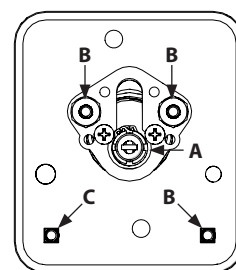
1 Install exterior trim onto door. Make sure trim is aligned with mechanism at the following 5 points:

- (A) Rim cylinder tail from exterior trim with crosshair on interior mechanism
- (B) Alignment studs on exterior trim with mounting nuts on interior mechanism
- (C) Alignment stud on exterior trim with hole on interior mechanism

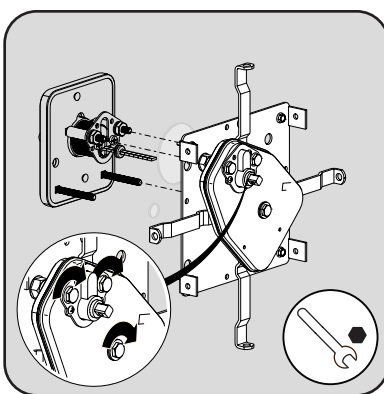
View of lock mechanism backside from exterior side of door



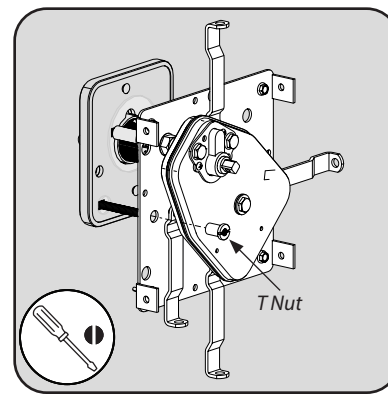
View of backside of exterior trim mounting plate



2 Tighten (3) hex nuts on mechanism to secure it to alignment studs on exterior trim.



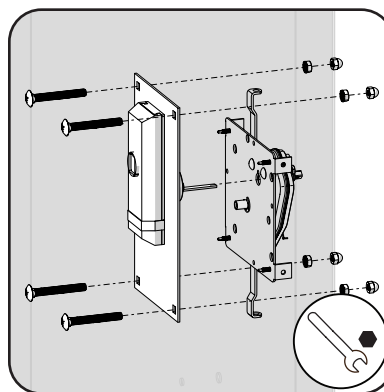
3 Install T-nut through hole on interior mechanism, and secure to alignment stud on exterior trim.



For SR/SG/DG models:

Install trim on exterior side of door. Align rim cylinder tail from trim with crosshair on interior mechanism.

Secure with (4) carriage bolts, (4) K-lock nuts, and (4) acorn nuts.



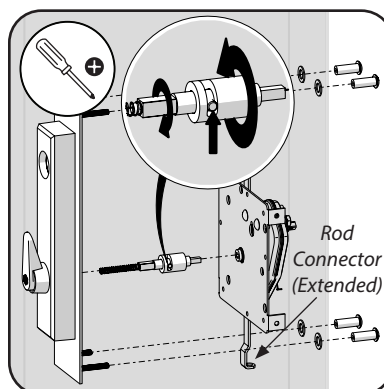
For TG models:

Ensure rod connectors on mechanism are extended.

Rotate spindle pin to the end of the slot, as shown. Install small square end of spindle into lock mechanism.

Install exterior trim onto exterior face of door. Make sure spring end of spindle inserts into the exterior trim spindle hub.

Secure with (4) barrel nuts and (4) washers. **Hand-tighten only. Do not use power driver!**



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F. BOLT AND CHANNEL INSTALLATION

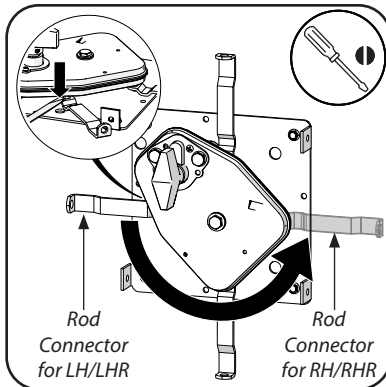
NOTE:

The number and orientation of bolts depend on the specific model of the 4800 series lock ordered. Refer to this table to determine the correct bolt configuration corresponding to the installation.

4840	4831	4832
4833	4822	4820

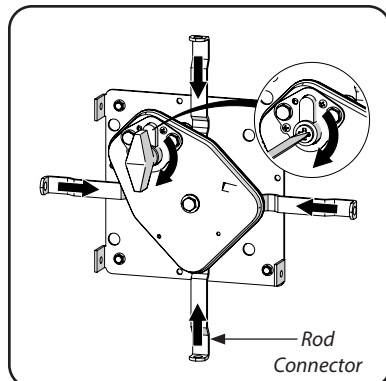
For 4831 models:

Horizontal rod connector may be moved to left/right side of mechanism to match door handing. Use flat head screwdriver to pry rod connector off of mechanism, and reposition to desired side to switch handing.



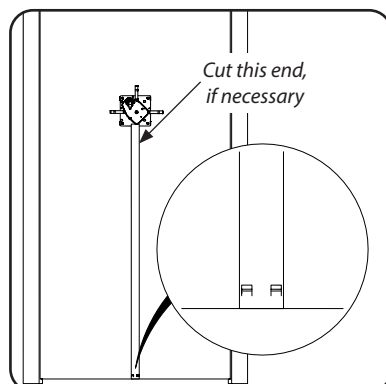
1 Temporarily install thumbturn (without set screw) on mechanism. Rotate thumbturn to project/retract rod connectors on mechanism. Leave rod connectors in retracted position.

For CO models: Rotate crosshair using flat head screwdriver.

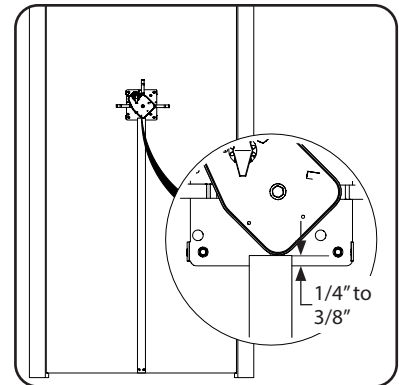


2 Remove tape from rod and channel. **Do not remove rod from channel.** Place channel vertically on door, and align bottom of channel with bottom of door.

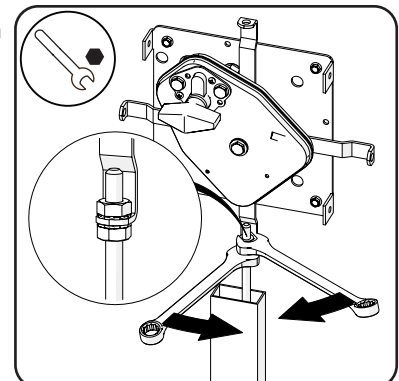
NOTE: If top or bottom channel and rod are too long, cut as needed at mechanism end.



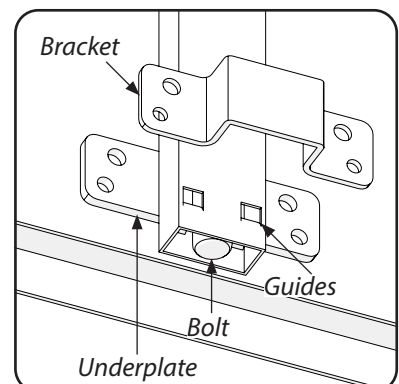
3 Channel has to extend approx. 1/4" to 3/8" into mechanism. If channel is slightly shorter, it is recommended to move channel up. If channel is too long, cut channel at mechanism end to achieve proper extension into mechanism.



4 Fasten the bottom rod to the holder on the mechanism using (2) K-lock nuts. Use two open ended wrenches. Make sure the nuts are tightly secured!



5 Install underplate at bottom of channel. Make sure bolt is positioned between guides. Install bracket to cover channel guides and aligned with underplate holes. Check that channel is vertical and plumb with floor.



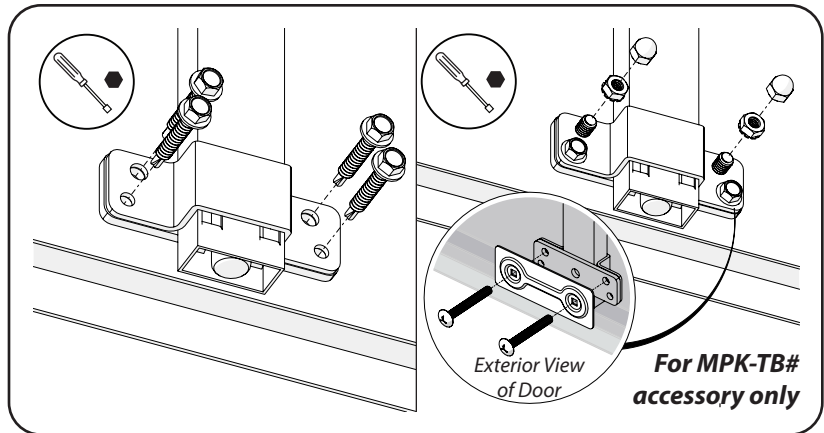
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- 6** Secure bracket using (4) self-drilling screws.

For thru-bolt accessory (MPK-TB#):

Make sure door is prepared with TMP-01788. Install thru-bolt plate with (2) carriage bolts from exterior side of door through pre-drilled holes.

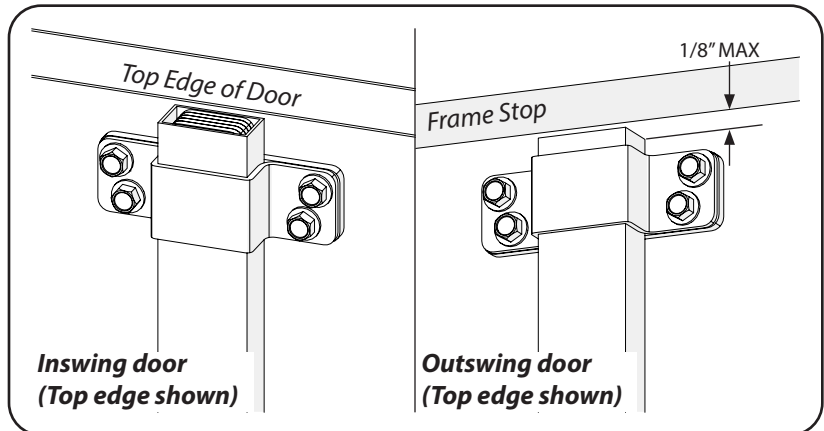
Secure carriage bolts with (2) K-lock and (2) acorn nuts on interior side. Further secure brackets to door with (2) self-drilling screws at remaining holes. Pilot holes recommended.



- 7** Repeat the installation for top and side bolt(s), as necessary.

For inswing door, edge of channel is aligned with edge of door.

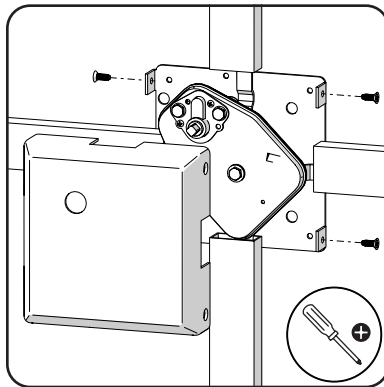
For outswing door, gap size between edge of channel and frame stop is 1/8" max.



G. COVER INSTALLATION

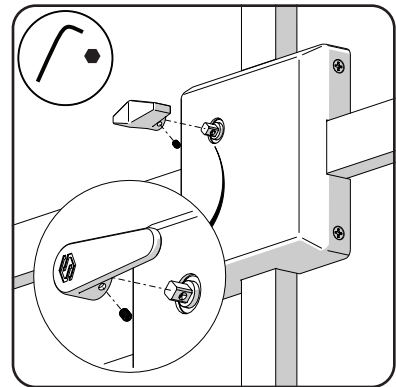
For TT/LT models:

- 1** Install the cover over the mounting plate and channels. Secure the cover with (4) Phillips screws.



- 2** Install thumbturn (for TT models) or elongated turn (for LT models) on mechanism shaft. Turnpiece must be horizontal while bolts are retracted. Secure with set screw.

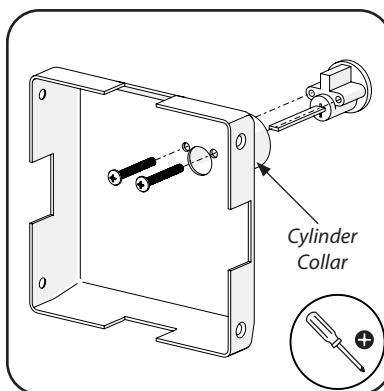
Check for smooth operation by operating turnpiece.



For CO models:

- 1** To replace cylinder, unfasten (2) Phillips screws to remove the cylinder.

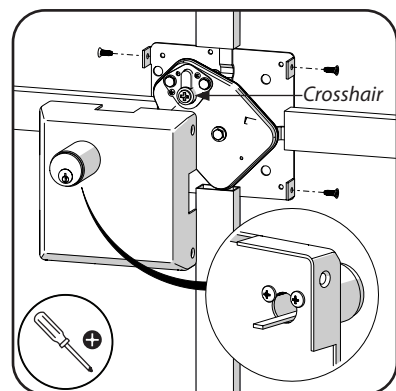
Reassemble cover assembly with replacement rim cylinder and cylinder collar before continuing.



- 2** Align rim cylinder tail with crosshair on mechanism.

Install cover over mechanism and channels. Secure with (4) Phillips screws.

Check for smooth operation by operating cylinder by key.



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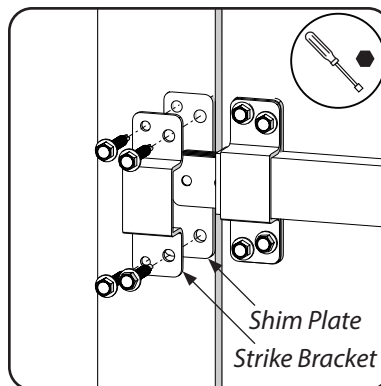
H. FRAME STRIKE INSTALLATION

For inswing models:

Close door and extend bolts.

Place frame strike bracket over bolt, as shown. Make sure bolt is centered in strike. Add shim plate to raise strike bracket, as necessary. Secure with (4) self-drilling screws.

Repeat to install frame strike bracket for top and side bolt(s), as necessary.

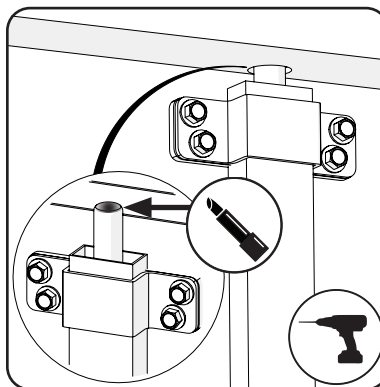


For outswing models:

Apply small amount of marking putty, grease or lipstick at the tip of the top bolt with door open. Close the door. Operate lock 3-4 times to rub the putty against frame header.

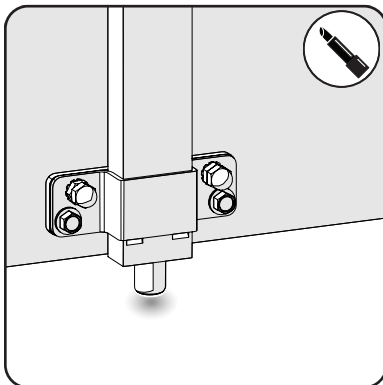
Starting with 1/8" diameter drill and gradually increasing drill size, drill up to 7/8" diameter hole at the center of the mark. Smooth edges of the hole.

Repeat to drill strike hole for horizontal bolt(s), as necessary.

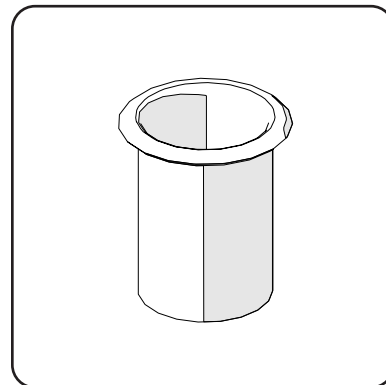


I. FLOOR SLEEVE INSTALLATION

1 Apply a small amount of marking putty, grease or lipstick at the tip of the bolt with door open and bolts retracted. Close the door, operate lock with key 3-4 times to rub the putty against floor.



2 Drill 1" hole, 3" deep centered on the putty mark. Insert the floor sleeve. Test the position by projecting the bolt. Make sure it does not rub. Use epoxy or caulking to secure sleeve to floor. Using too much epoxy will cause excess epoxy to fill up the sleeve.



J. MAINTENANCE INFORMATION

MAINTENANCE:

All products must be installed in accordance with the instructions and templates and by employing professional good trade practices or the warranty shall be void.

RECOMMENDED METHOD FOR CLEANING:

Use a mild soap and water with a soft cloth or brush to clean powder-coated or anodized aluminum surfaces. Avoid using hard abrasives, such as wire brush, steel wool, or scouring powder. Avoid using harsh chemical cleaners, such as solvents or petroleum-based cleaning products. Before using any cleaner, first try cleaning a small test area.

LOCKSETS AND EXIT DEVICES:

Lever trims/exit devices are designed for life safety first. Securitech lever trims/exit devices are built to require minimal maintenance; however factors such as installation, severity of use, environmental conditions, and changes in the door opening may require that maintenance and/or adjustments be performed.

The following steps are recommended to the building owner to ensure proper operation:

- Check that exposed screws are tight.
- Check lockset and lever trims/exit devices for smooth operation periodically.
- Check strikes and deadbolts to ensure they are secure and properly aligned.
- Check deadbolt and other moving parts for binding or sluggish operation due to dirt or chemical buildup.
- Check strikes for debris.
- Clean parts according to aforementioned cleaning methods. Lock mechanism is factory lubricated with white lithium grease and red high pressure lubricants. Do not use petroleum-based lubricant since it can dissolve grease. Do not over lubricate.

FREQUENCY:

The procedures mentioned above need to be carried out as often as is necessary to prevent deterioration in the installed environment, however we recommend the following minimum frequency of inspection:

- General environments: Every 3 months
- Marine and industrial environments: Every 2 months

A record of preventive maintenance and cleaning must be maintained and submitted with any warranty claims or service requests.

K. 4800 CRITICAL CHECKLIST

☐ **1** Was TMP-01563 used to drill all holes?

☐ **2** Is the bottom bolt centered over floor sleeve?

☐ **3** For outswing door, are round bolt(s) aligned with hole(s) drilled in frame? For inswing door, are square bolt(s) aligned with frame strike bracket(s)?

☐ **4** Is thumbturn oriented vertically when bolts are extended?

☐ **5** Were underplates used to keep channels aligned with frame strikes?

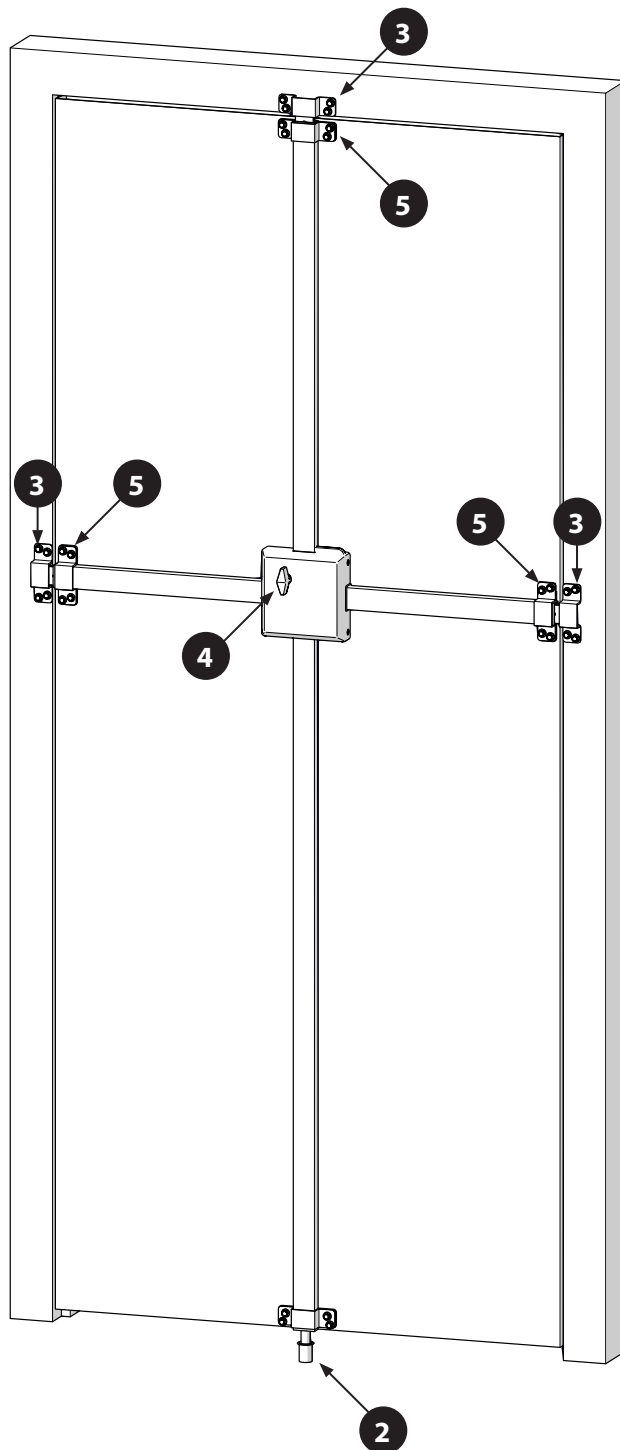
☐ **6** Does the lock operate smoothly by thumbturn?

☐ **7** Does the lock operate smoothly by key?

☐ **8** Is there any friction when the bolts move when locking or unlocking the door?

Make sure there are no points where the bolts rub (i.e. strike bracket, floor sleeve, drilled holes in frame). The door should swing freely. Make sure door does not sag. Tighten upper hinge if door appears to sag.

Silicone spray can be used on the inside of the aluminum channels so the threaded rods move freely.

INSWING LH DOOR SHOWN



Questions? Please call Tech Support

718-392-9000

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