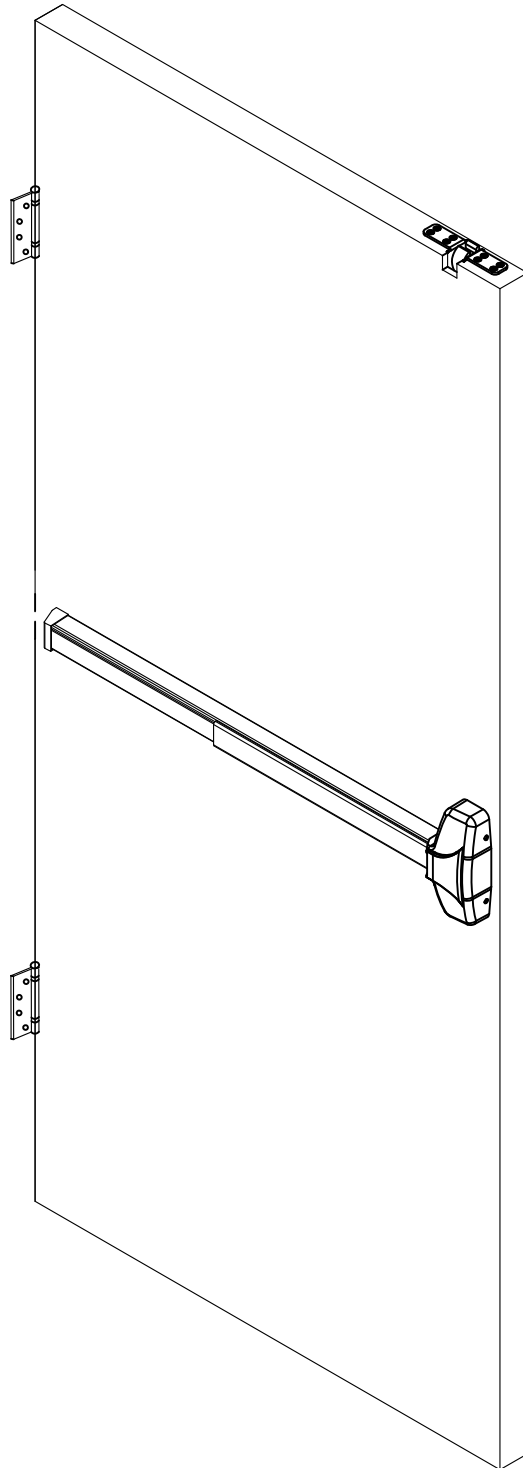
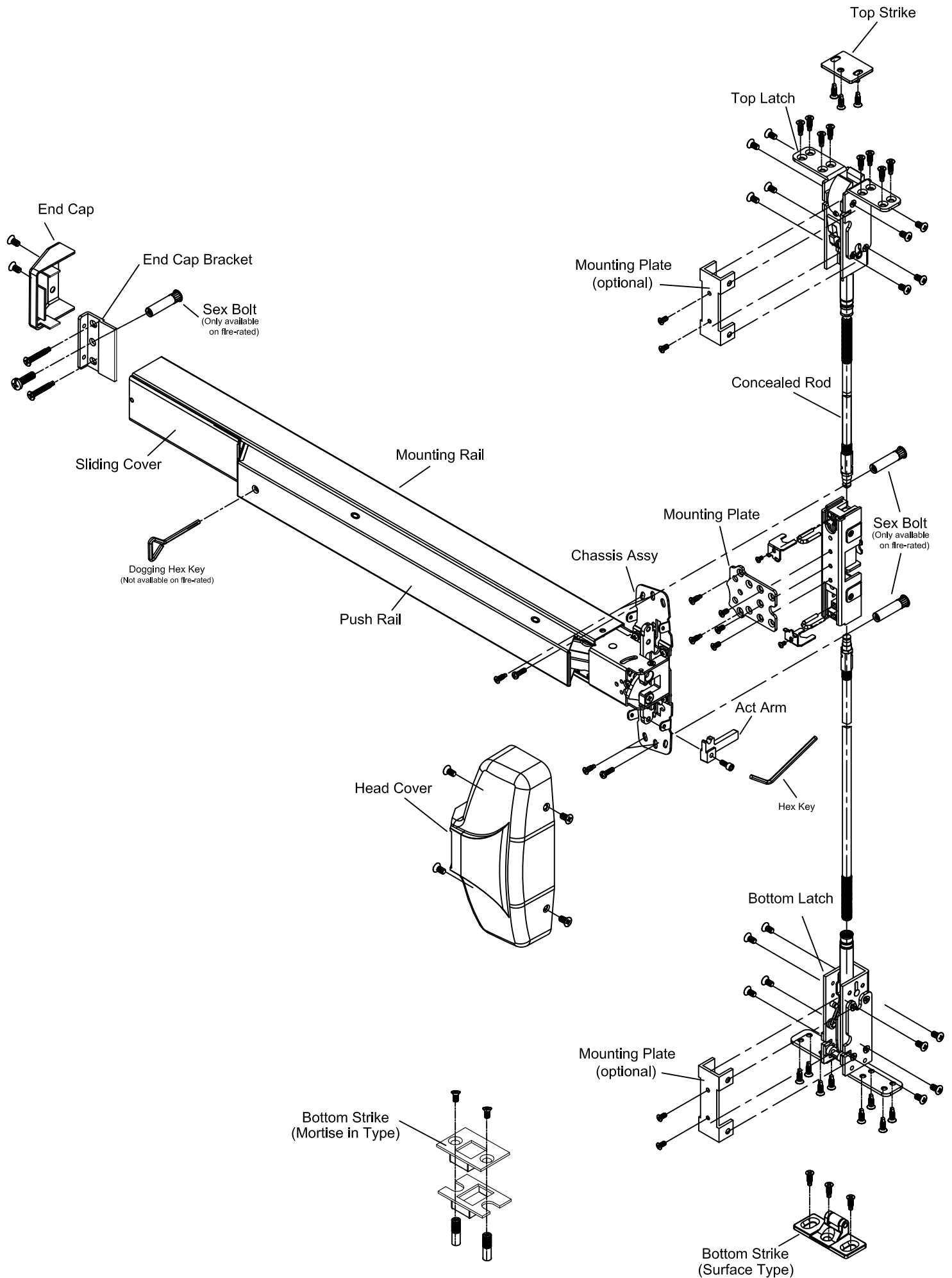
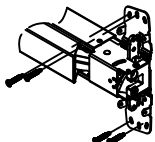


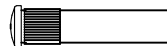
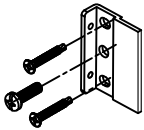


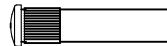




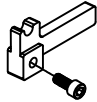

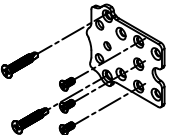


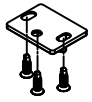


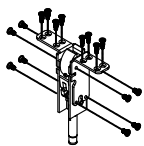


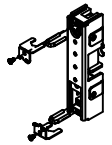

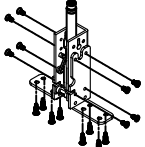





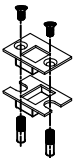

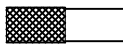
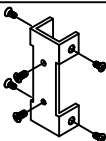




INSTALLATION INSTRUCTIONS CONCEALED VERTICAL ROD DEVICE

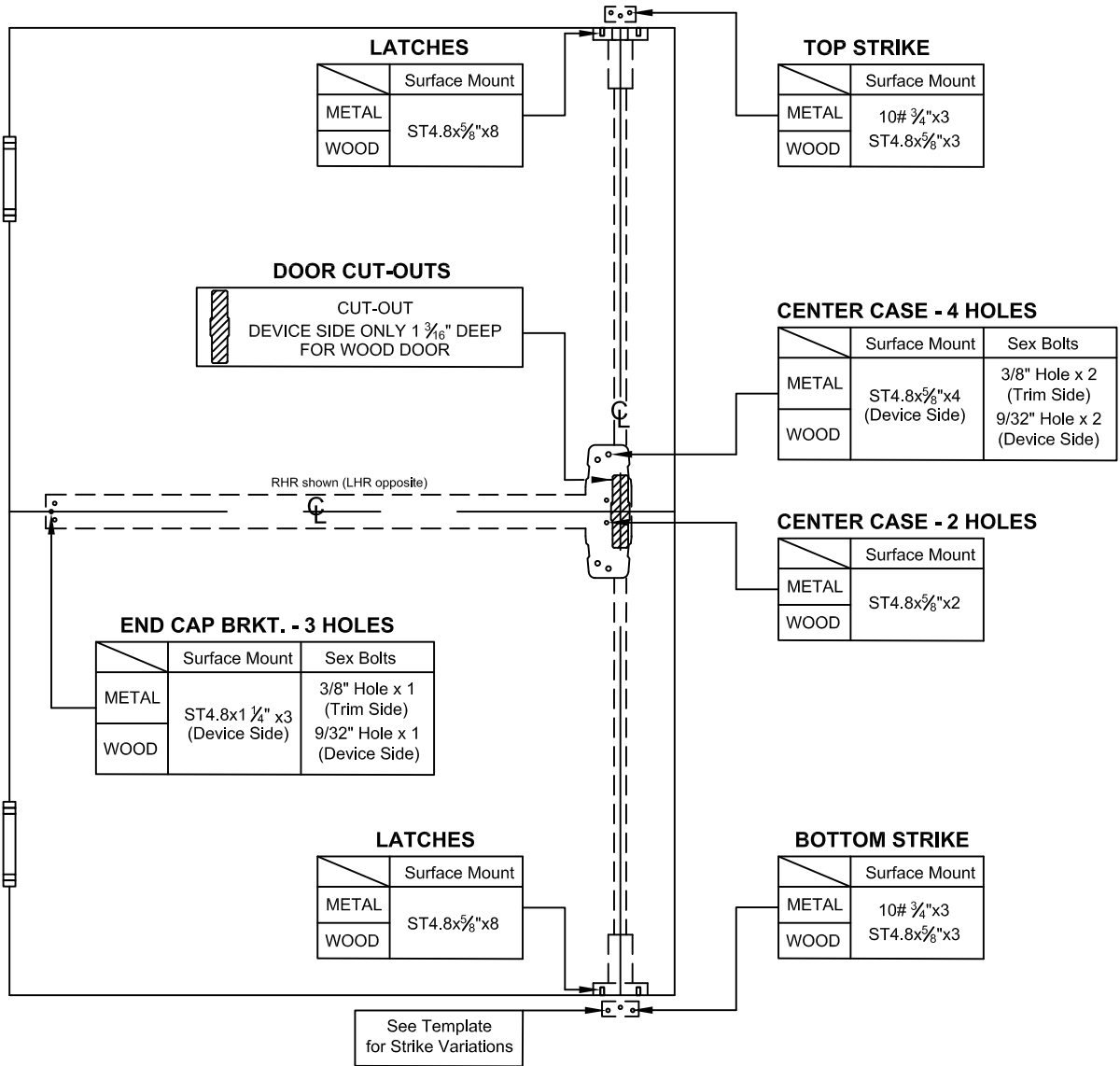
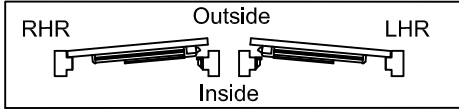




SCREW CHART

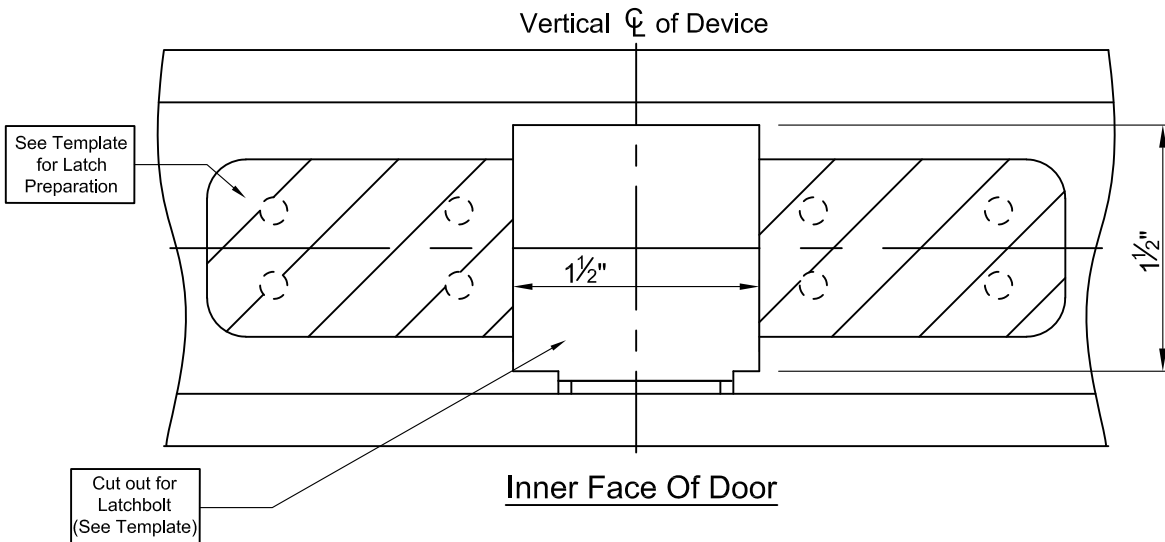
APPLICATION	METAL	WOOD	SEX BOLTS
Chassis Assy Screws 		ST4.8x 5/8" (4 pcs)	 M6x20 (2 pcs)  M6x10 (2 pcs)
End Cap Bracket Screws 		ST4.8x1 1/4" (3 pcs)	 M6x20 (1 pcs)  M6x10 (1 pcs)
End Cap Screws 			M4x8 (2 pcs)
Head Cover Screws 			M4x8 (4 pcs)
Act Arm Screws 			M5x16 (1 pcs)
Mounting Plate Screws 		 	ST4.8x 5/8" (2 pcs) #10 x 3/8" (3 pcs)
Top Strike Screws 	 #10 x 3/4" (3 pcs)		ST4.8x 5/8" (3 pcs)
Top Latch Screws 		 	ST4.8x 5/8" (8 pcs) M4x5 (8 pcs)
Main Chassis Screws 			M4x5 (2 pcs)
Bottom Latch Screws 		 	ST4.8x 5/8" (8 pcs) M4x5 (8 pcs)
Bottom Latch Screws 	 #10 x 3/4" (3 pcs)		ST4.8x 5/8" (3 pcs)
Bottom Latch Screws (optional) 		 	M6x12 (2 pcs) M6x12 (2 pcs)
Mounting Plate Screws (optional) 		 	#10 x 3/8" (2 pcs) M4x5 (4 pcs)

DOOR PREPARATION CHART



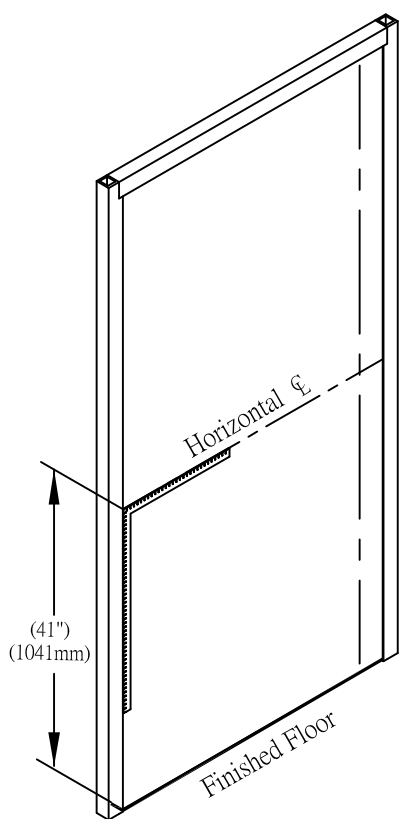
LATCH HOLE PREPARATION

(Drill Top and Bottom of Door)



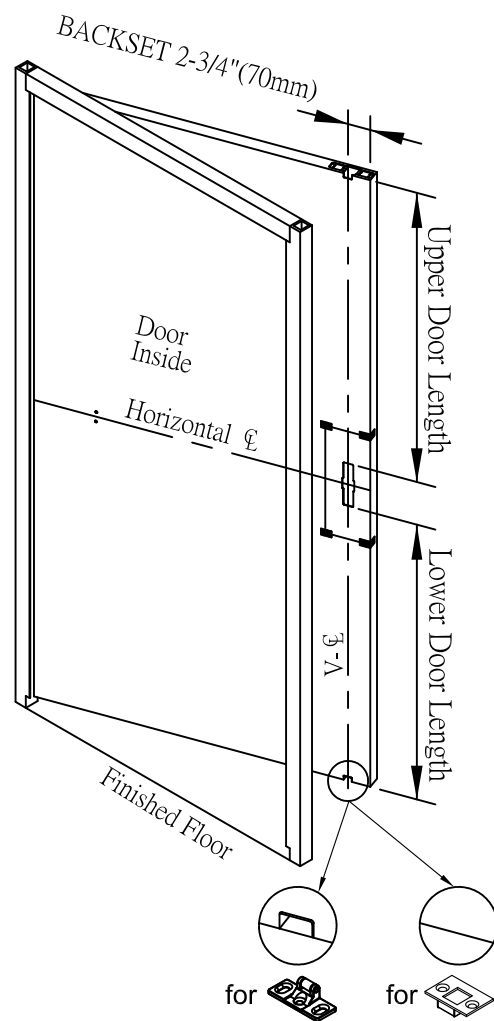
1 DRAW HORIZONTAL DEVICE CENTER LINE (☿)

2 DRAW VERTICAL ☿ & MARK BACKSET.



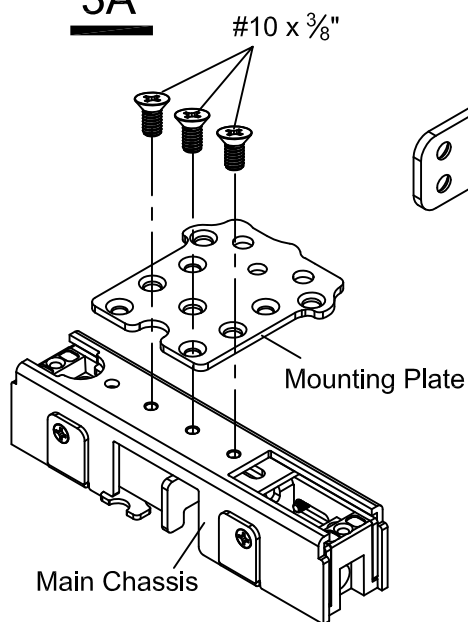
(*RHR as shown*)

*Door cut-outs on
device side only &
Latch holes for top
and bottom of door
(Please follow template)

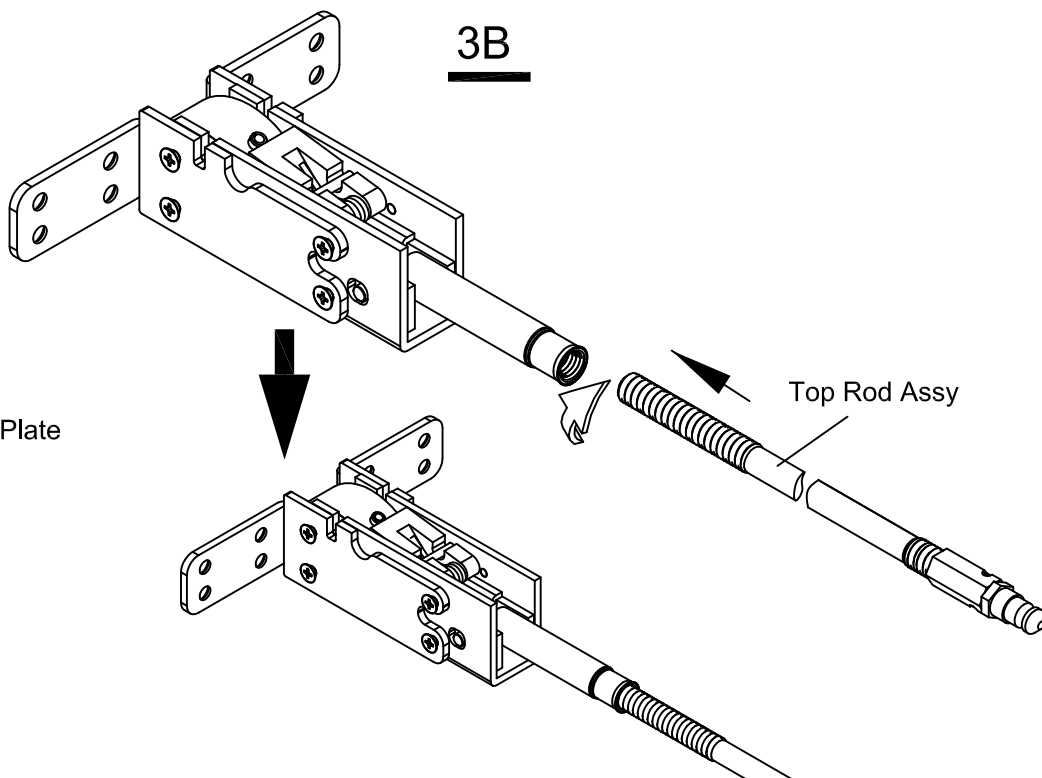


3 INSTALL MAIN CHASSIS & TOP LATCH

3A

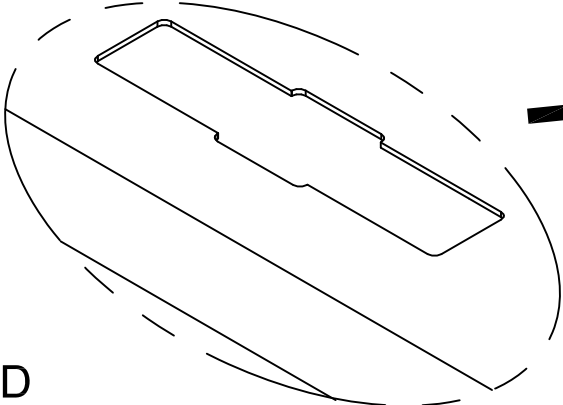


3B

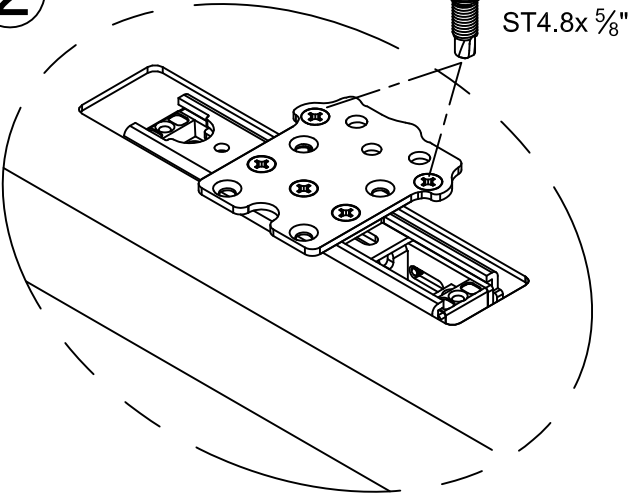


3C

①



②

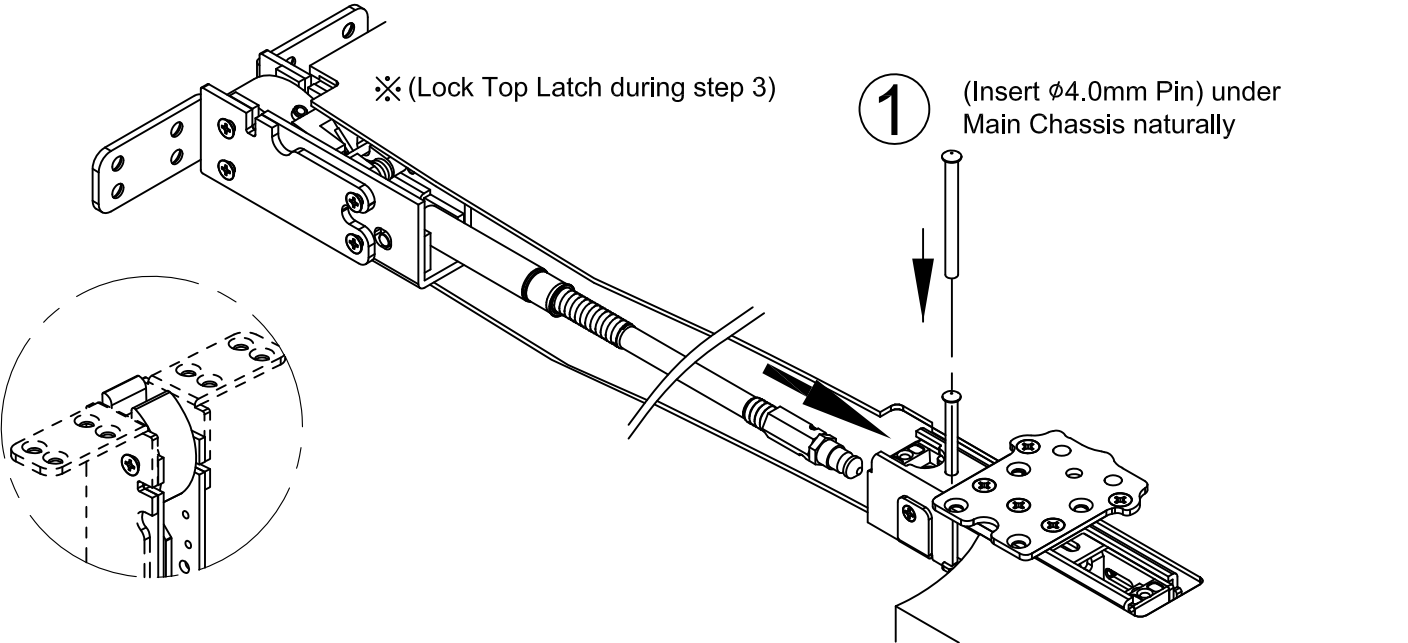


3D

※ (Lock Top Latch during step 3)

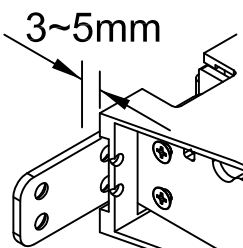
①

(Insert $\phi 4.0\text{mm}$ Pin) under Main Chassis naturally



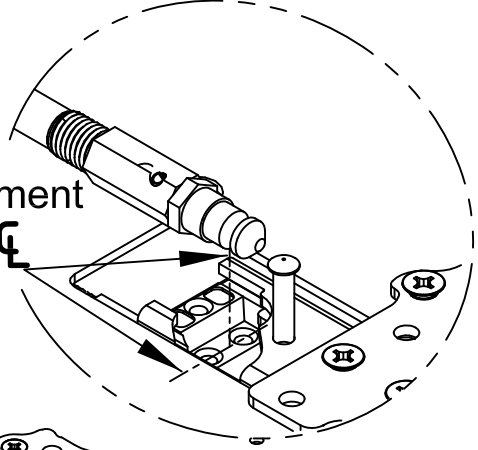
②

(Keep the length of Top Rod Assy 3~5mm longer than upper door length)

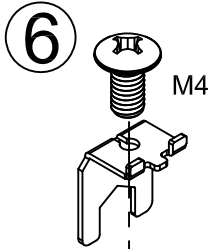
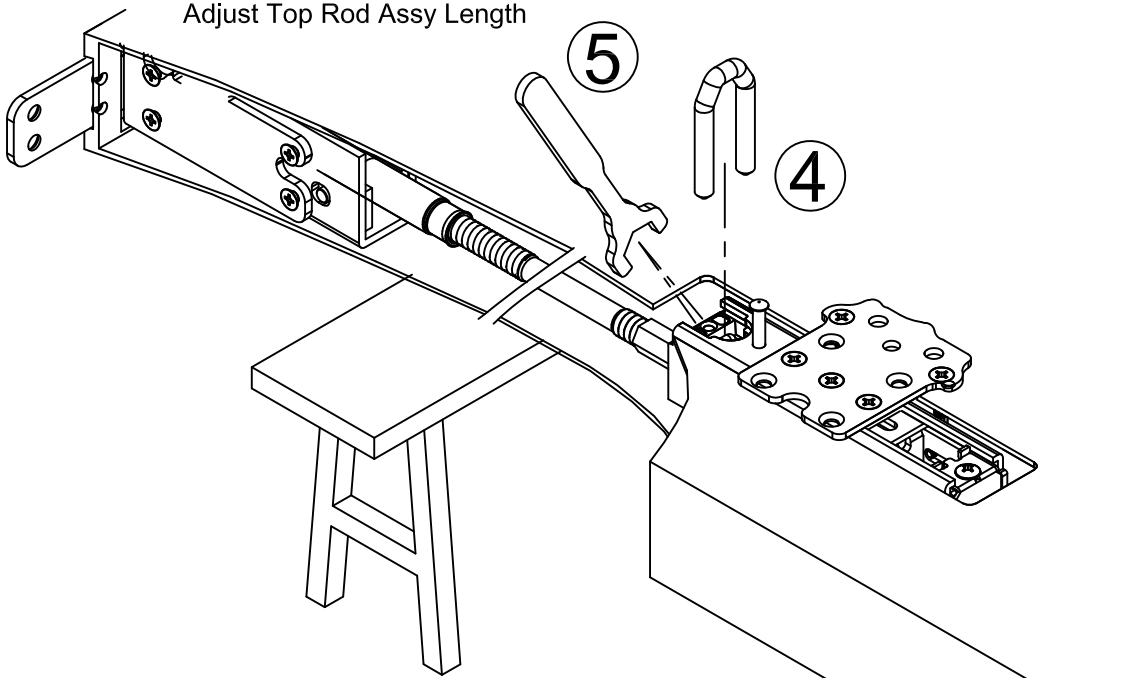


③

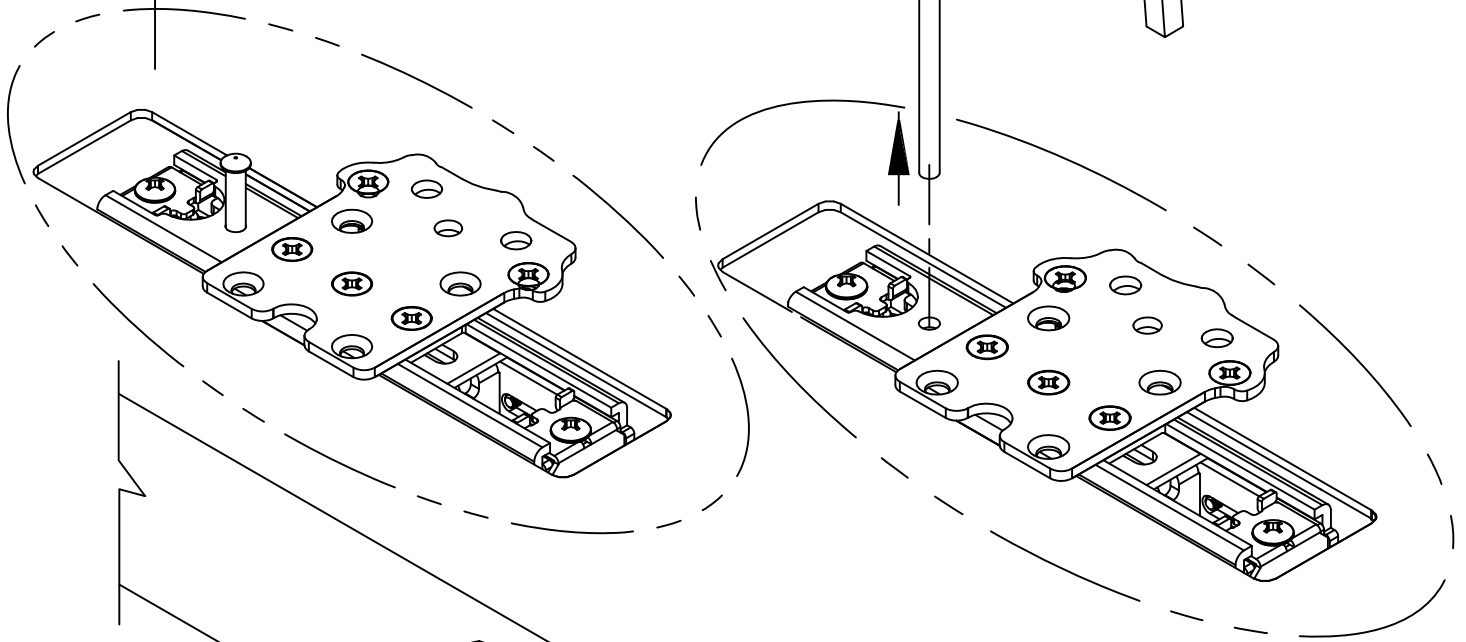
Alignment



Adjust Top Rod Assy Length

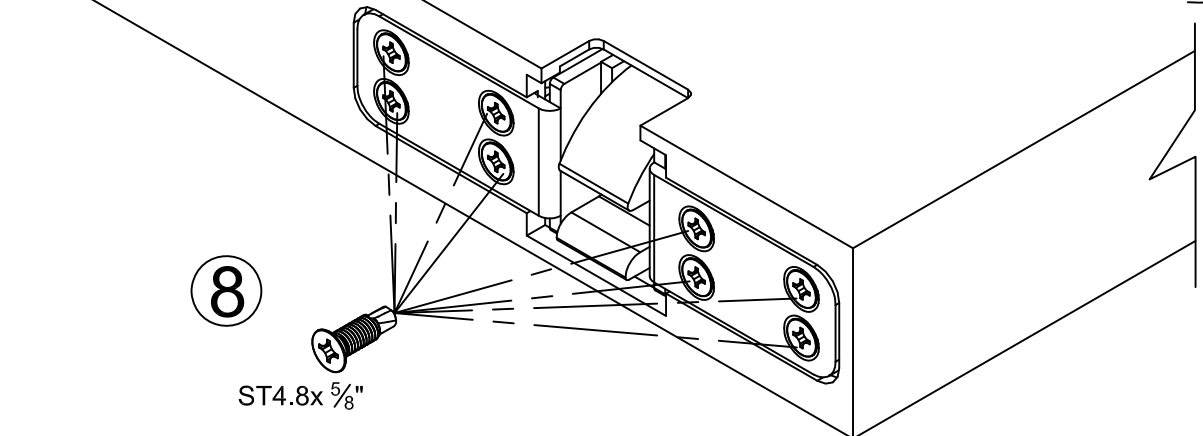


7

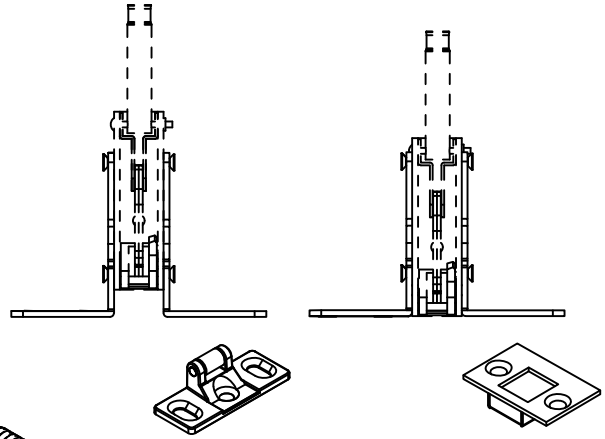


8

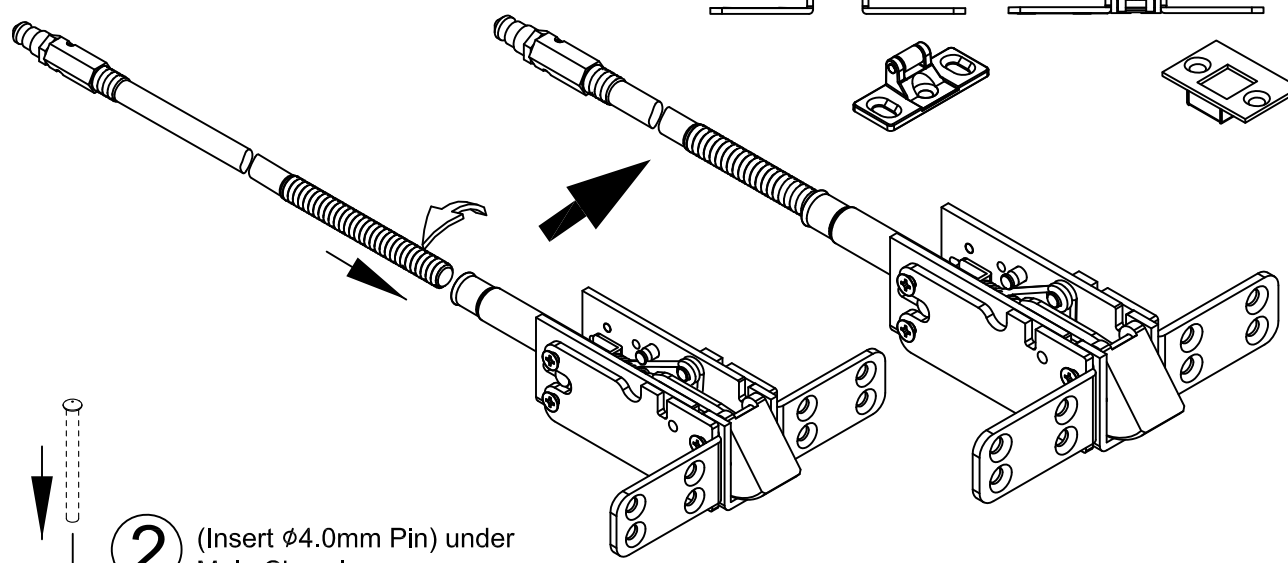
ST4.8x 5/8"



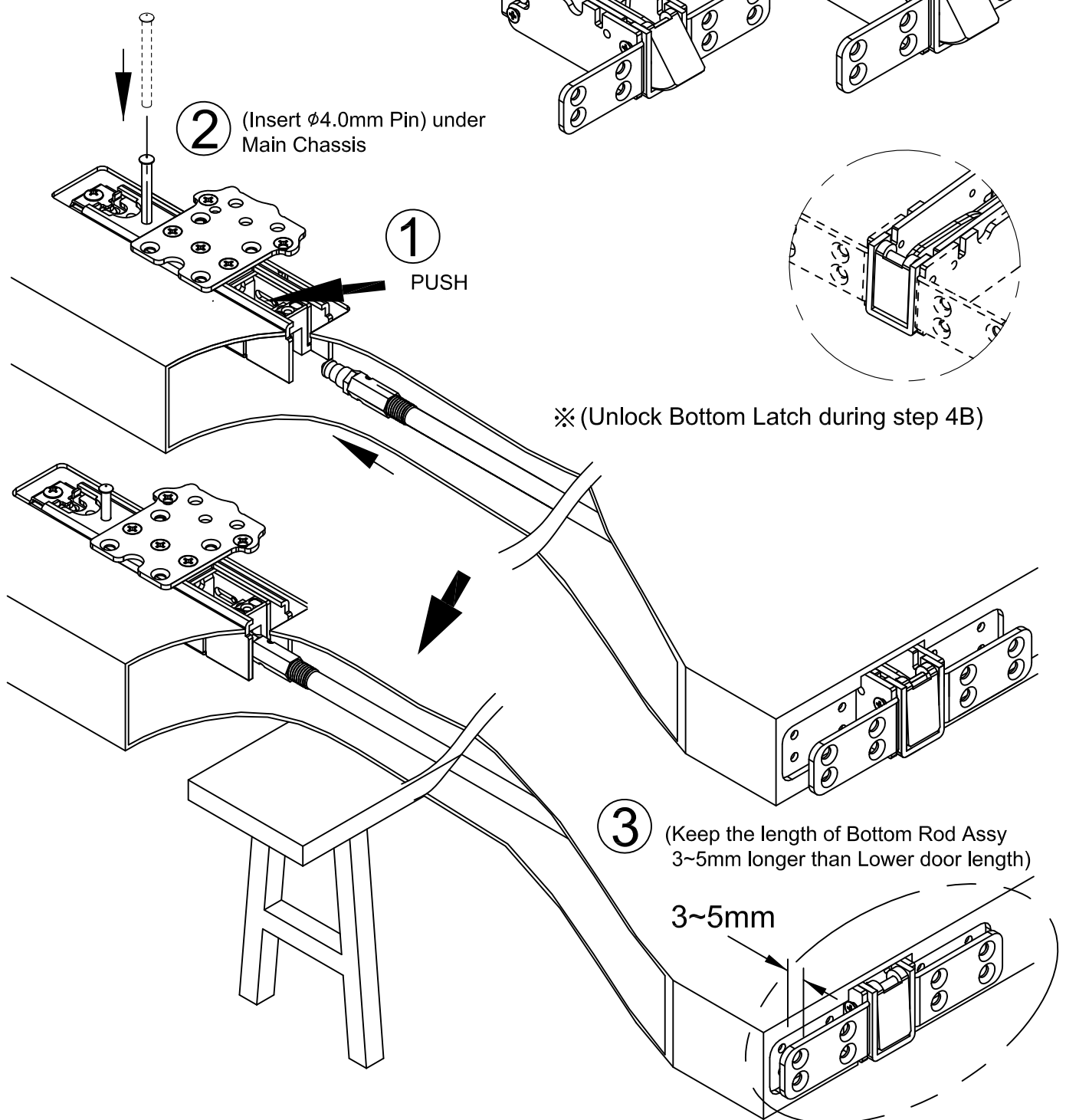
4 INSTALL BOTTOM LATCH (Skip this step if less Bottom Rod)

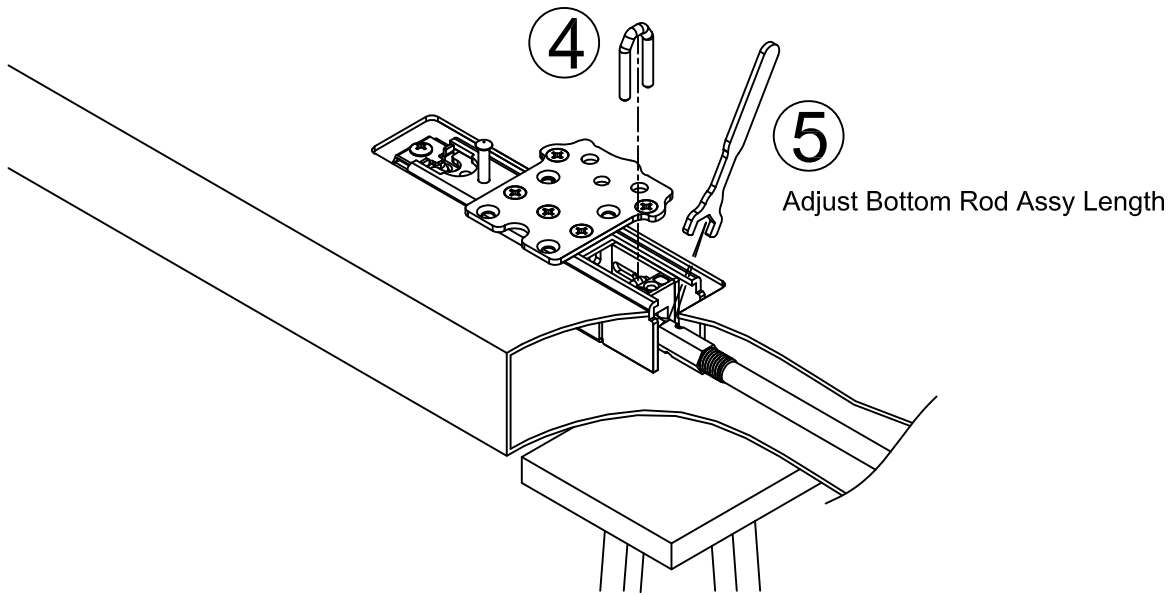


4A

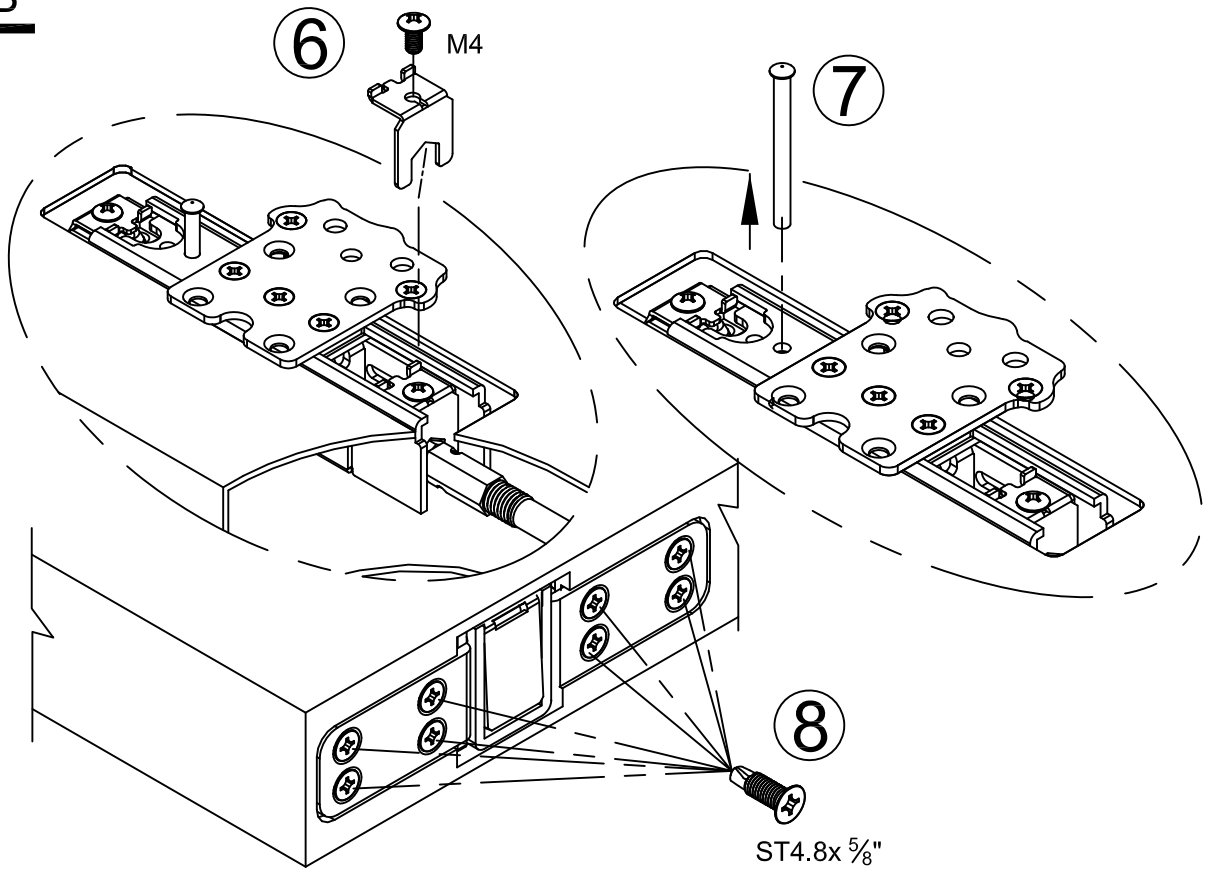


4B



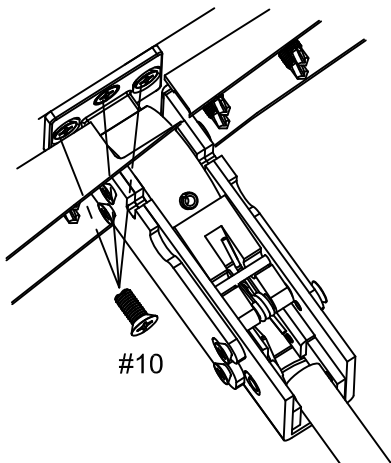


4B

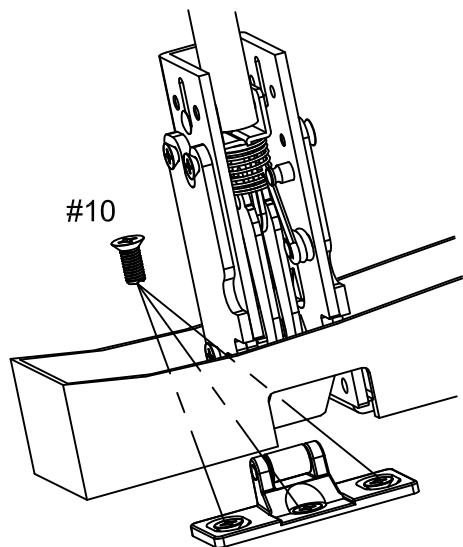


5 INSTALL TOP & BOTTOM STRIKE
(Please Follow TEMPLATE)

5A



5B



5C

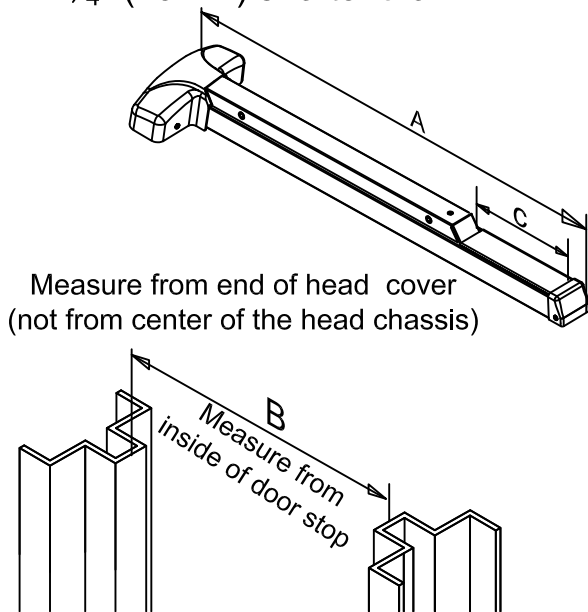
※ Check if Top & Bottom Latch working properly. If not, go back to Step 3D or 4B to adjust Rod length.

(Use Strike shim to adjust the gap between Strike and Latch if required)

6 CUT DEVICE IF REQUIRED

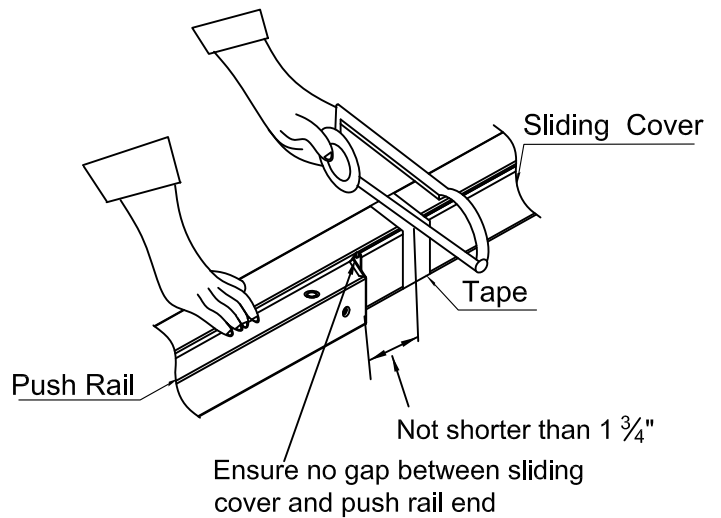
6A

Device length A must be at least $1\frac{3}{4}$ " (45mm) shorter than B

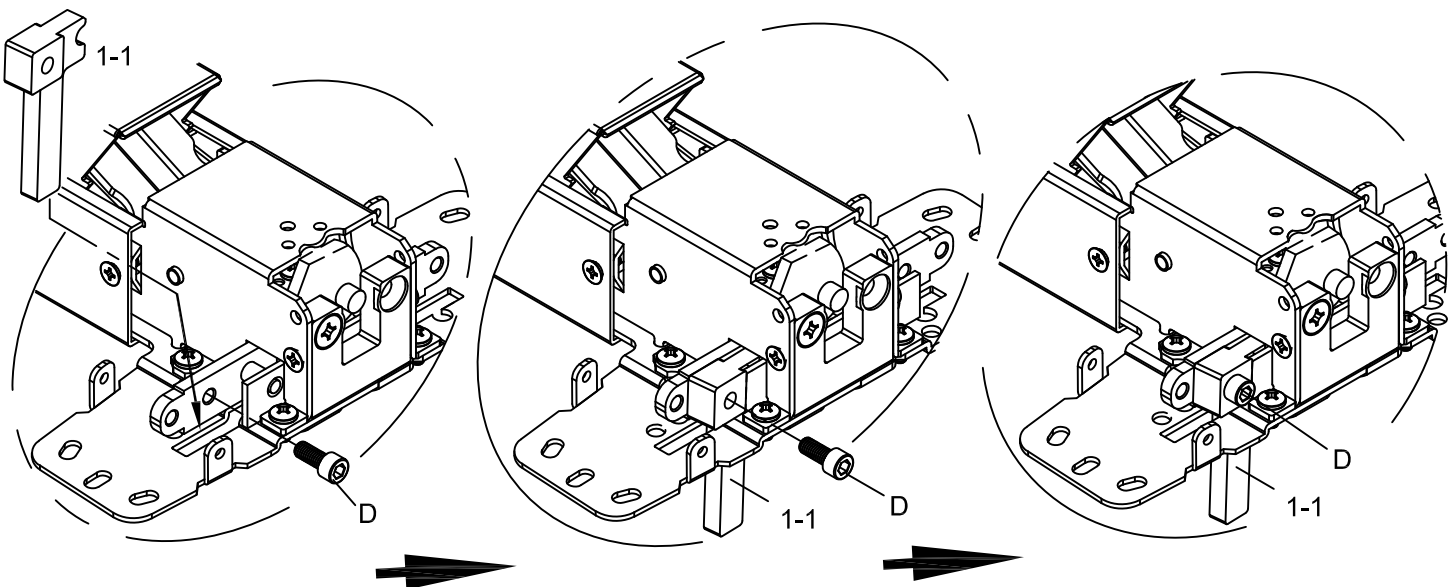


6B

If required cut C length of device so A is at least $1\frac{3}{4}$ " (45mm) shorter than B.



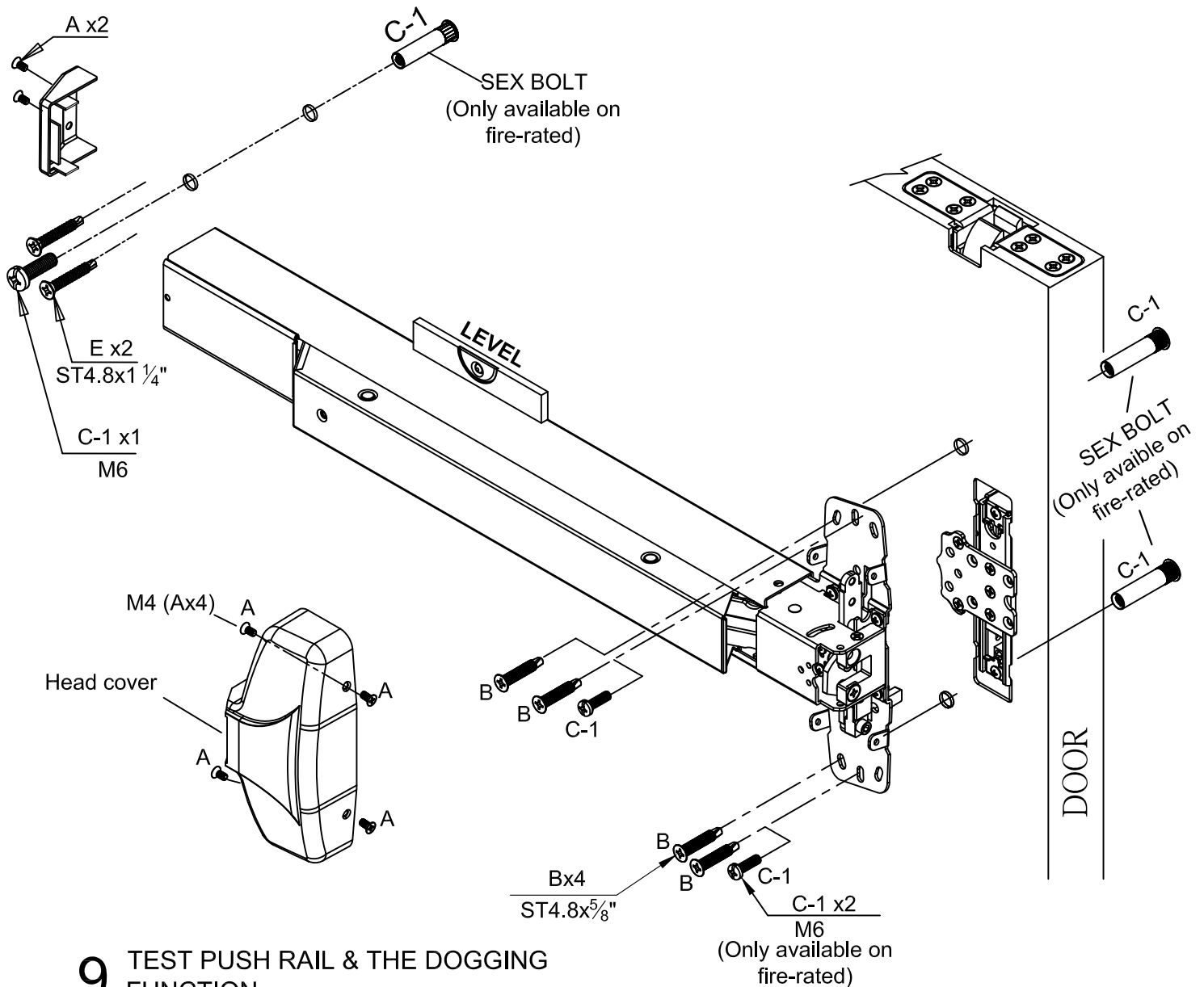
7 INSTALL ACT ARM (Standard handed is RHR as shown)



8 EXIT DEVICE INSTALLATION (If trim is needed, see the trim instruction)

8A Align Exit Device with align-stud and ensure it is level.

8B Use screws and end cap to secure device to door.



9 TEST PUSH RAIL & THE DOGGING FUNCTION

9A The latches should engage the strikes when the door is closed. If the door can be pushed open without depressing the push rail, please check the rod length and installation (see step 3)

9B The latches should disengage from the strikes freely when the push rail is depressed or dogging down. If not, please check the rod length and installation again (see step 3)

9C When applying outside trims:

- (a) No trims : Exit only, latch bolts are retracted just by the push rail inside.
- (b) Entrance : latch bolts are retracted by trim outside after the trim unlocked.
- (c) Storeroom : latch bolts are retracted by trim outside with key only.
- (d) Passage : latch bolts are retracted by trim outside always open.

9D Dogging : Use dogging hex key and turn clockwise 90° when depressing push rail. Latch bolts will remain retracted.

10 CHANGE HANDING OF DEVICE (From RHR to LHR)

< RHR as shown >

