

Installation Instructions

3PT Device

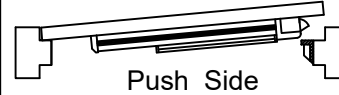


※ The screws (item D & E) attach both machine & TEK screws for install selection in the accessory package.

Determine handing of door

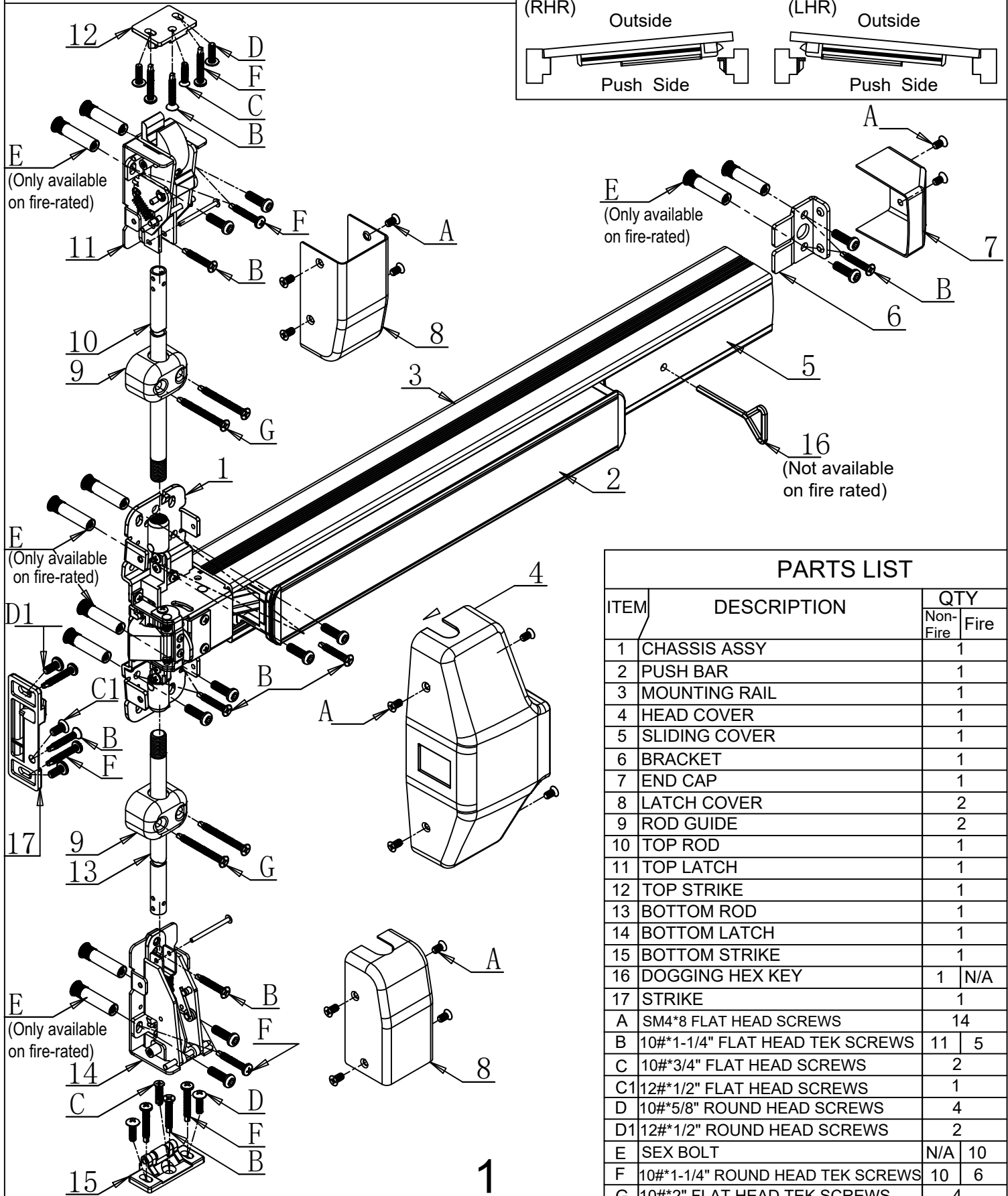
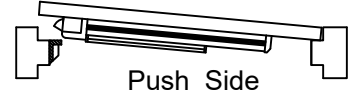
Right - Hand Reverse Bevel
(RHR)

Outside



Left- Hand Reverse Bevel
(LHR)

Outside



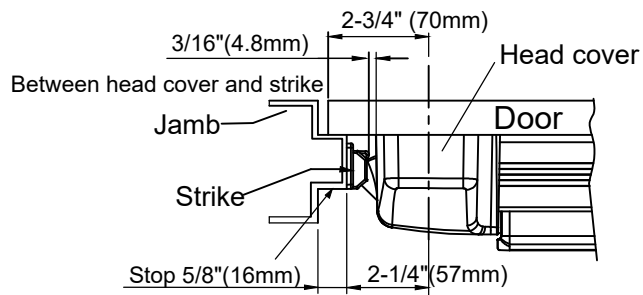
PARTS LIST

ITEM	DESCRIPTION	QTY	
		Non-Fire	Fire
1	CHASSIS ASSY		1
2	PUSH BAR		1
3	MOUNTING RAIL		1
4	HEAD COVER		1
5	SLIDING COVER		1
6	BRACKET		1
7	END CAP		1
8	LATCH COVER		2
9	ROD GUIDE		2
10	TOP ROD		1
11	TOP LATCH		1
12	TOP STRIKE		1
13	BOTTOM ROD		1
14	BOTTOM LATCH		1
15	BOTTOM STRIKE		1
16	DOGGING HEX KEY	1	N/A
17	STRIKE		1
A	SM4*8 FLAT HEAD SCREWS		14
B	10#*1-1/4" FLAT HEAD TEK SCREWS	11	5
C	10#*3/4" FLAT HEAD SCREWS	2	
C1	12#*1/2" FLAT HEAD SCREWS	1	
D	10#*5/8" ROUND HEAD SCREWS	4	
D1	12#*1/2" ROUND HEAD SCREWS	2	
E	SEX BOLT	N/A	10
F	10#*1-1/4" ROUND HEAD TEK SCREWS	10	6
G	10#*2" FLAT HEAD TEK SCREWS	4	

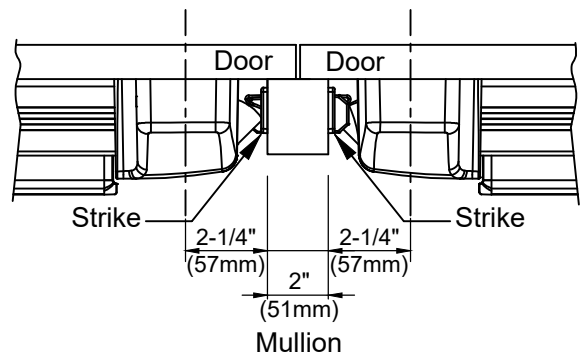
3PT Device

Single door with rim device

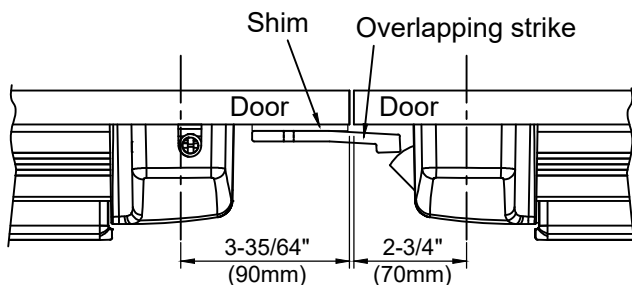
If required, add strike shim kit under strike for $\frac{3}{16}$ " (4.8mm) as dimension shown



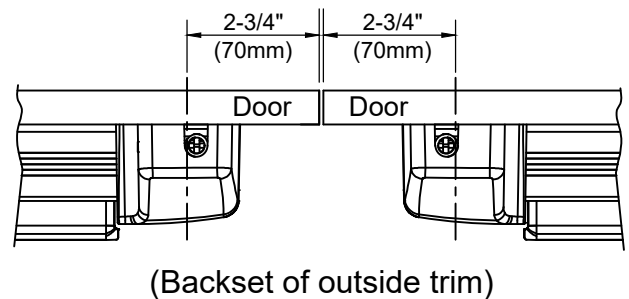
Double door with mullion



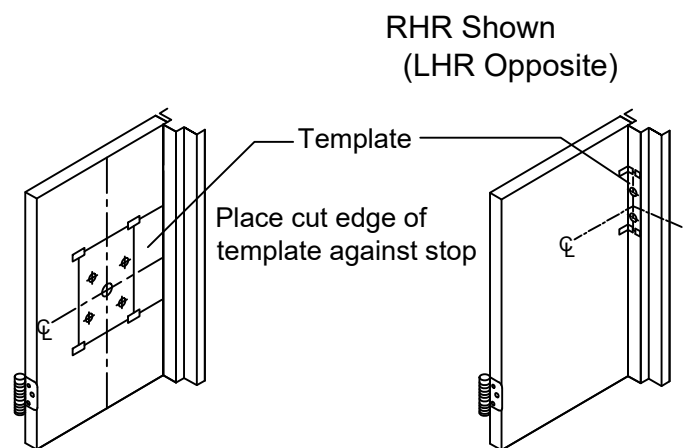
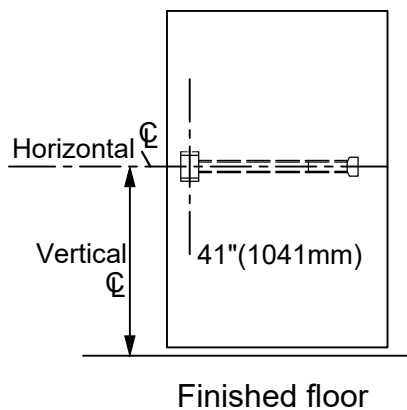
Double door with rim device and surface vertical rod device



Double door with surface vertical rod device

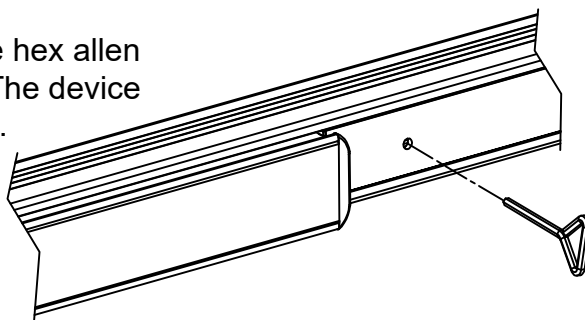


STEP 1 : Prepare installation



Notice : Dogging (For non-fire rated)

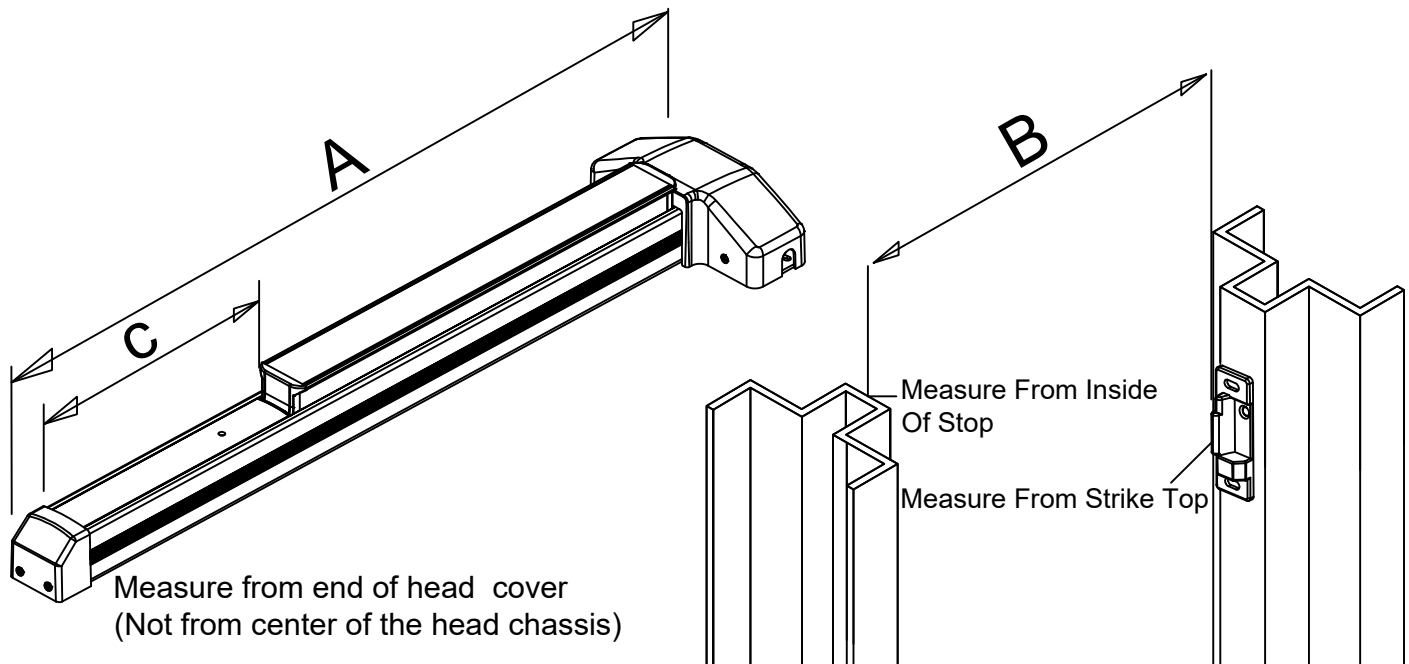
To press down the push rail, Turn the hex allen key clockwise or counterclockwise. The device will change the function to "Passage".



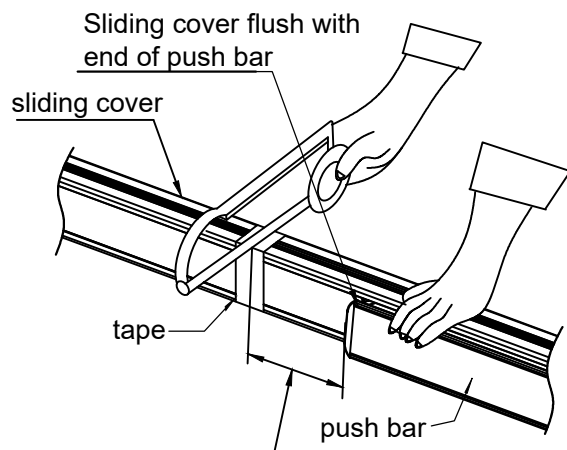
3PT Device

STEP 2 : Cut device if required

2.1 Device length A must be at least 1- 3/4" (45mm) shorter than B



2.2 If required cut C length of device so A is at least 1- 3/4" (45mm) shorter than B.



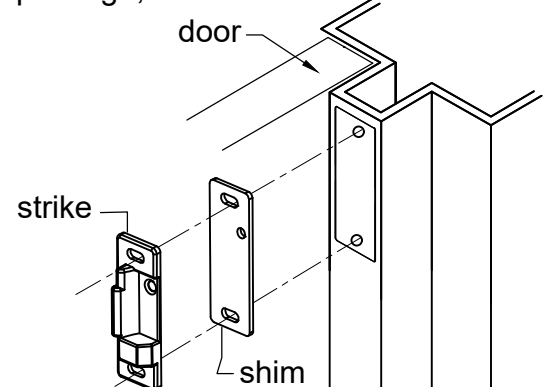
Don't cut closer than 5-3/8" from push bar end cap

2.3 Standard door stop is 5/8"(15.9mm).

Install 1/8"(3mm) thick shim if required

(1) 1/8"(3mm) shim for prepared doors with 1/2"(12.7mm) stop.

(2) Shim always furnished as standard part of package, which is mounted beneath strike.



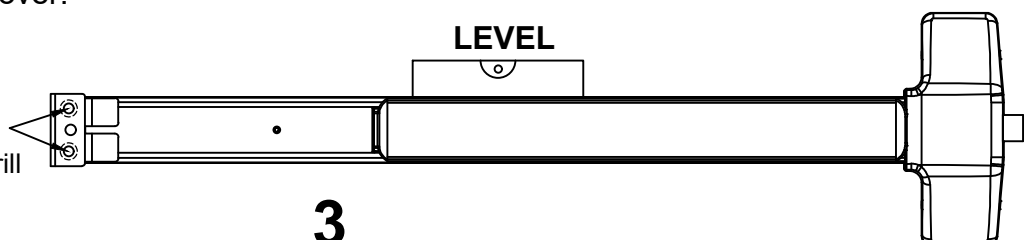
STEP 3 : Mounting device

1. Take off head cover and then put device horizontally at the door. Fix screws (B) on chassis but DO NOT tighten them at this step.

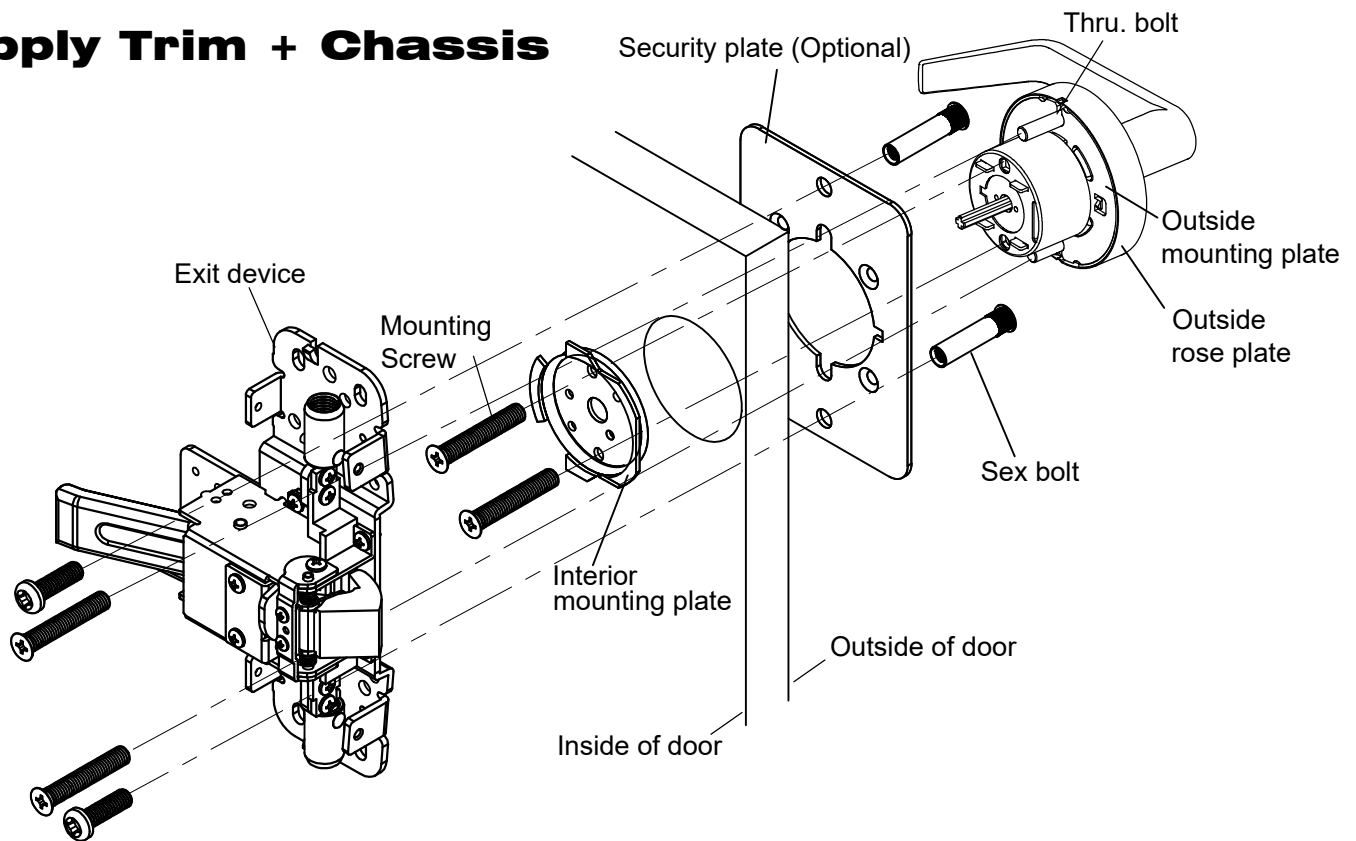
2. Install bracket. Be sure to remain device being horizontal and then tighten all screws.

3. Install end cap & head cover.

for "NON-FIRE RATED" :
please use screw B directly
for "FIRE RATED" : please drill
Ø3/8"(9.6mm) hole for sex bolt

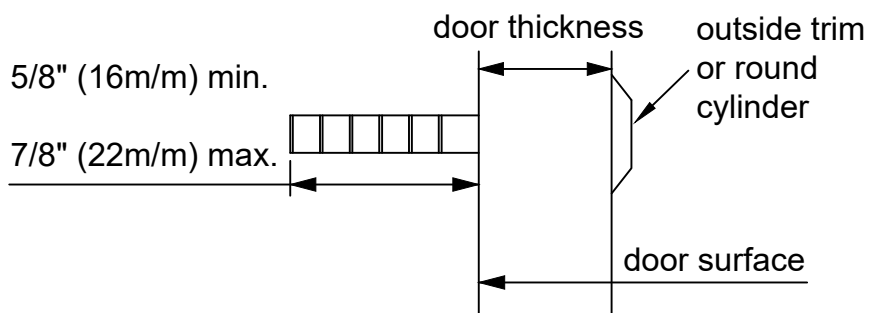


Apply Trim + Chassis

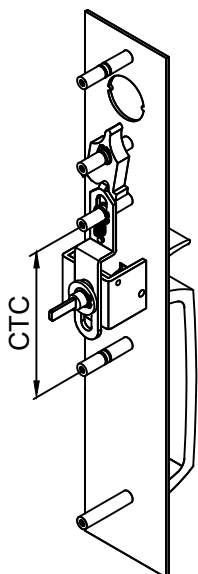


Tailpiece length

Keep tailpiece 5/8"~7/8" (16~22mm) projected.

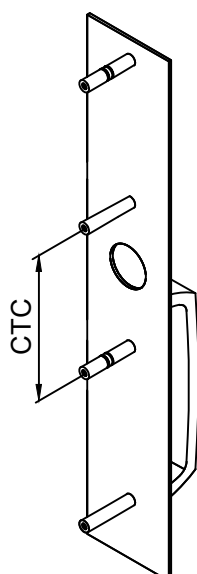


Thumbpiece trim



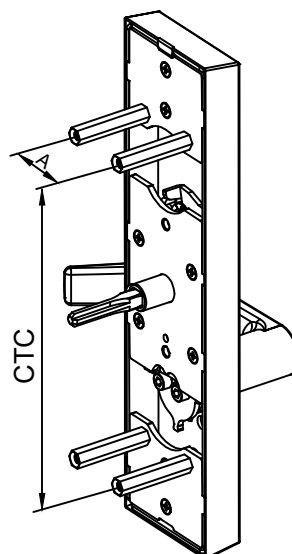
CTC = 4-1/4" (108mm)

Pull trim



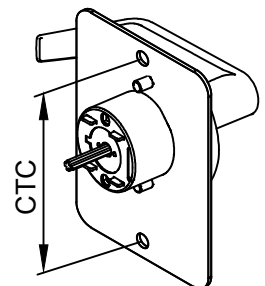
CTC = 4-1/4" (108mm)

Heavy duty ESC lever trim



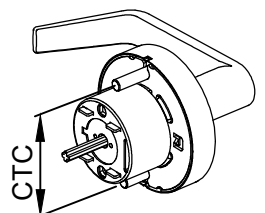
CTC = 7" (177.8mm)
A = 1-25/64" (35.2mm)

Trim with security plate



CTC = 4-1/4" (108mm)

Trim w/o security plate



CTC = 2-3/4" (70mm)

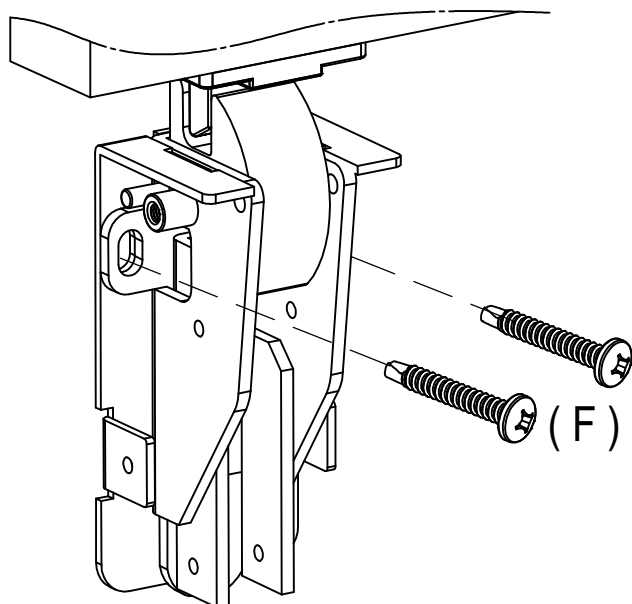
STEP 4 : Install chassis & strike

Follow TEMPLATE of main chassis to install chassis firstly. Then, install strike as template shown.

STEP 5 : Install top latch

Follow TEMPLATE to install top latch with two screws (F).

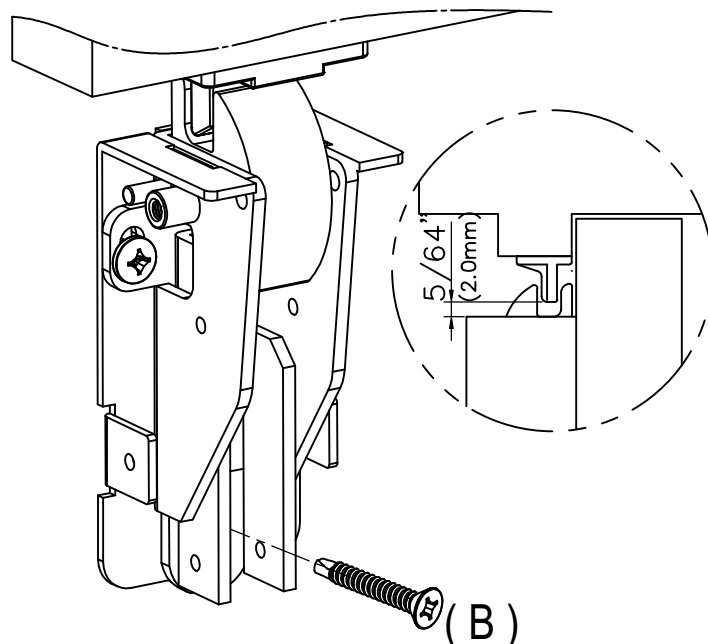
(Do not tighten the screws (F) firmly)



STEP 6 : Install top strike

Follow TEMPLATE to install top strike.

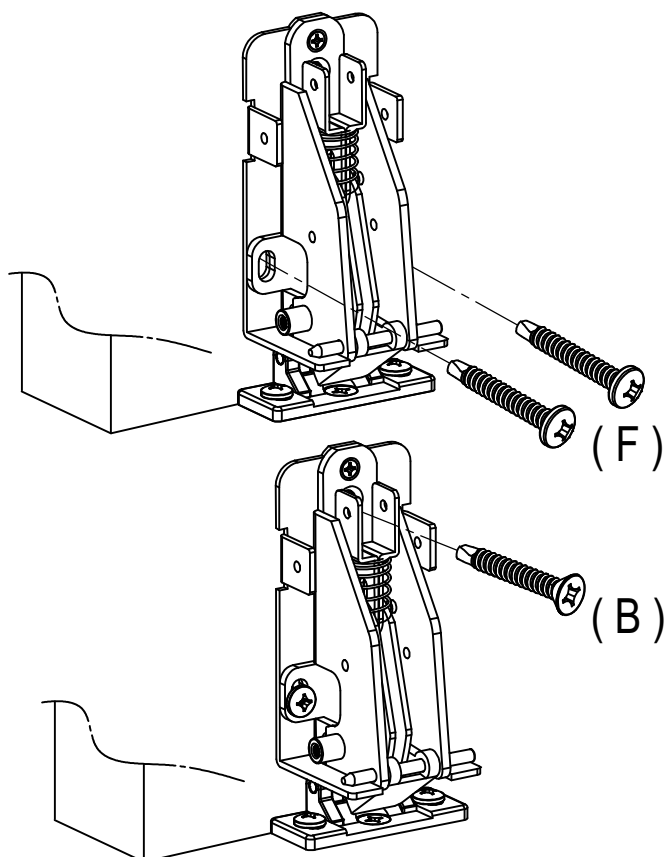
Adjust the proper gap between top latch and strike which is about 5/64" (2.0mm), tighten screws (F) firmly and then screw (B).



STEP 7 : Install bottom latch

Follow TEMPLATE to install bottom latch with two screws(F)

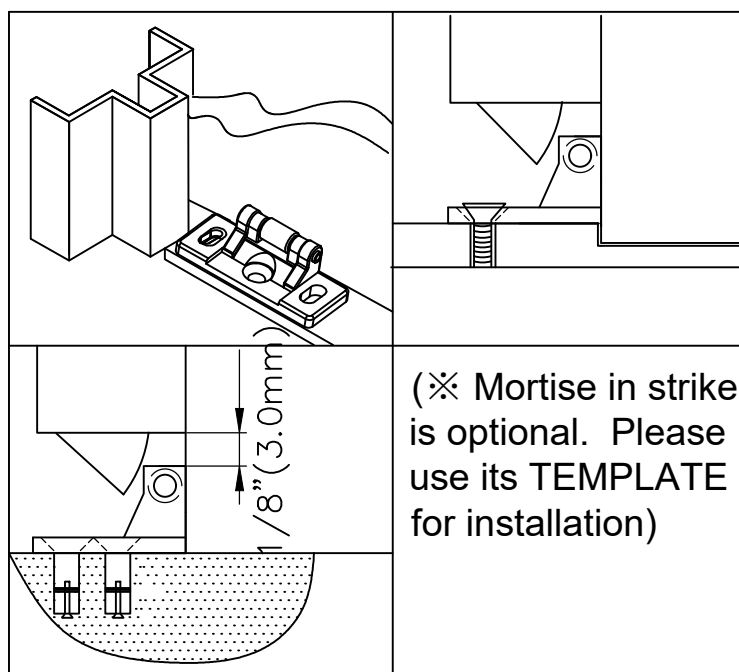
(Do not tighten screws (F) temporarily)



STEP 8 : Install bottom strike

Follow TEMPLATE to install bottom strike.

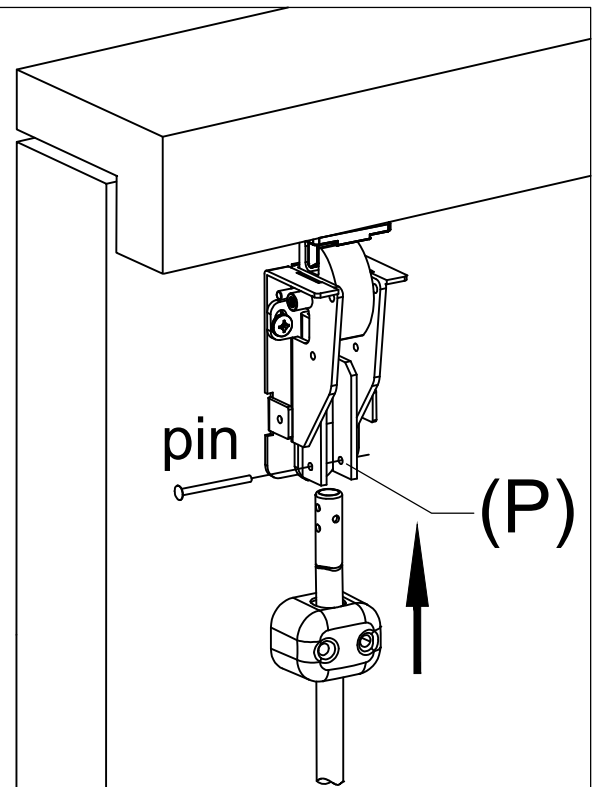
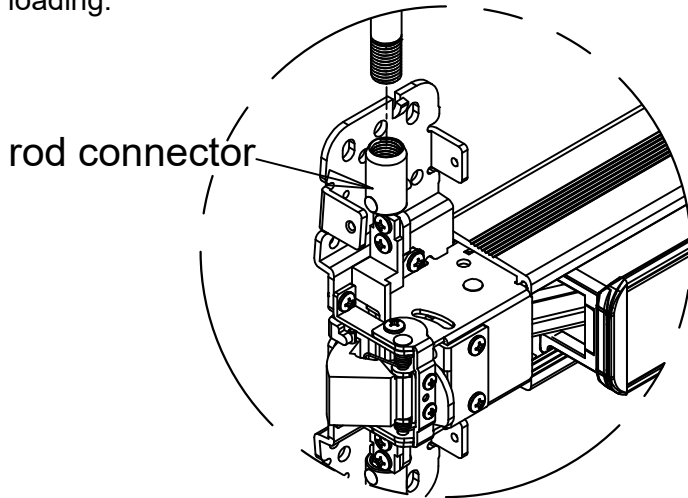
Adjust the proper gap between bottom latch and strike which is about 1/8" (3.0mm), tighten screws (F) firmly and then screw (B).



STEP 9 : Install & adjust top rod

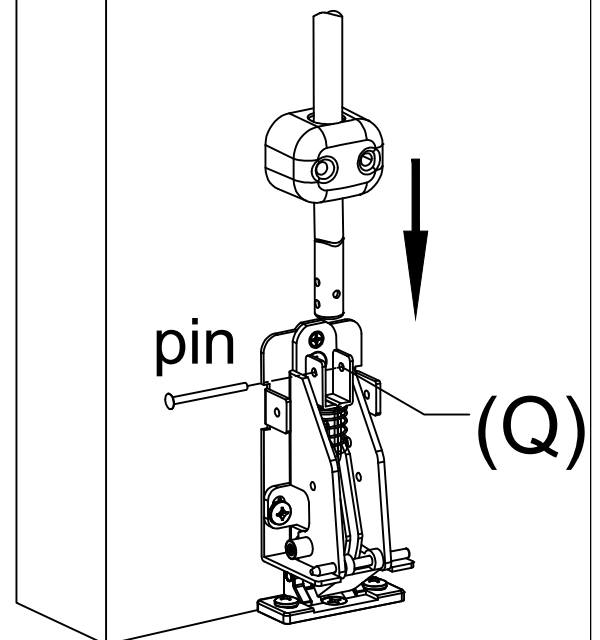
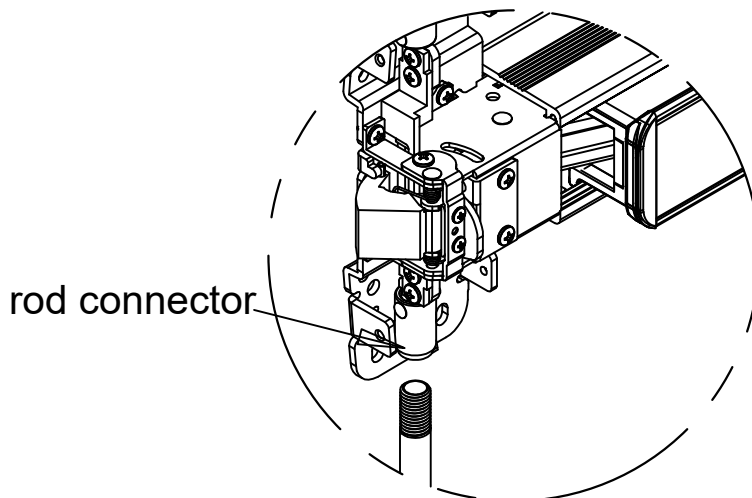
The rod length can be adjusted by the thread of the rod, adjust the correct length when door is in the closed position, by aiming the rod to the hole of the part (P).

※ If top rod had been cut to fit door height, please drill hole for pin loading.



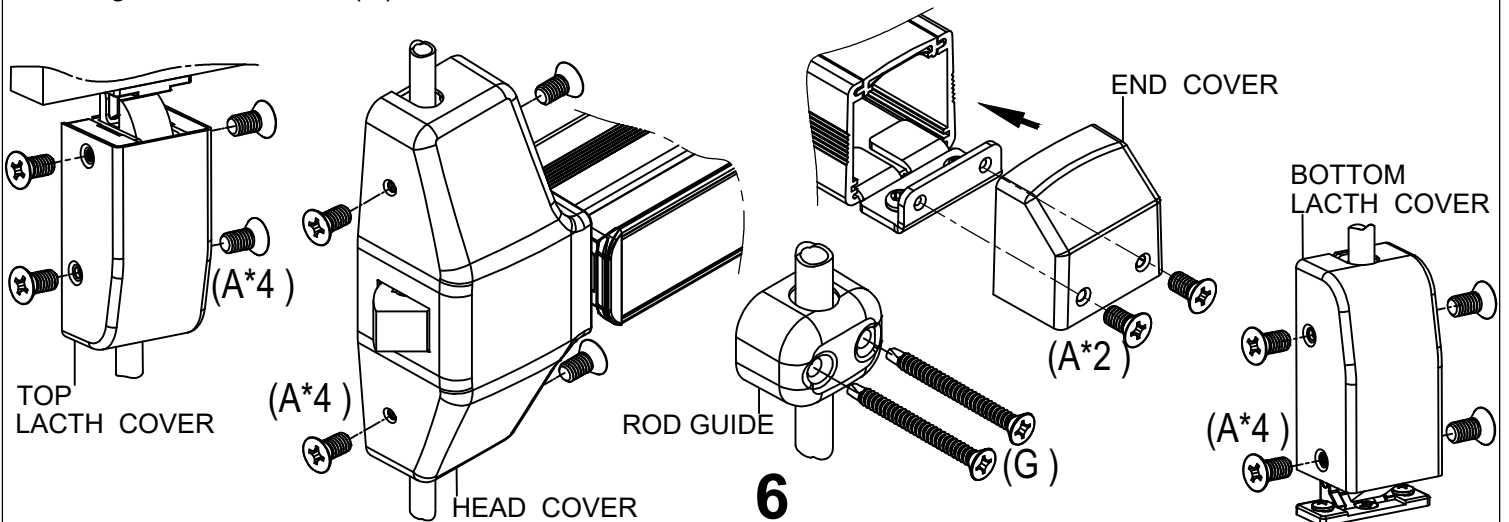
STEP 10 : Install & adjust bottom rod

The rod length can be adjusted by the thread of the rod, adjust the correct length when door is in the closed position, by aiming the rod to the hole of the part (Q).



STEP 11 : Install latch covers & rod guide

- 1 Install latch covers and fix/tighten them with screws (A).
- 2 Put rod guide midway between head cover and latch. Then, fix & tighten rod guide with screws (G).



STEP 12 : Test push bar & the dogging function

1. The latches should engage the strikes when the door is closed. If the door can be pushed to open without depressing the push rail, please check the rod length and installation(see step 5)
2. The latches should disengage from the strikes freely when the push rail is depressed or dogged down. If not, please check the rod length and installation again (see step 5)
3. When applying outside trims:
 - (1). No trims Exit only, latch bolts are retracted just by the push rail inside.
 - (2). Entrance latch bolts are retracted by trim outside after the trim is unlocked.
 - (3). Storeroom latch bolts are retracted by trim outside with key only.
 - (4). Passage latch bolts are retracted by trim always open.
4. Dogging: Use dogging hex key and turn clockwise 90° when depressing push rail. Latch bolts will remain retracted.

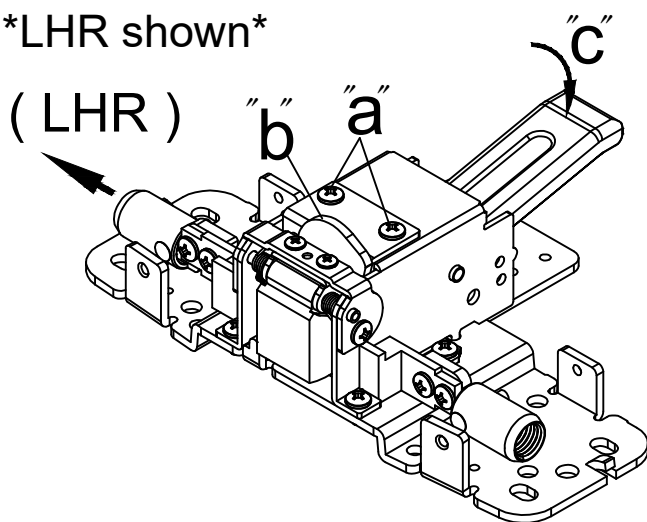
STEP 13 : Change handing of device

TO CHANGE HANDING OF DEVICE

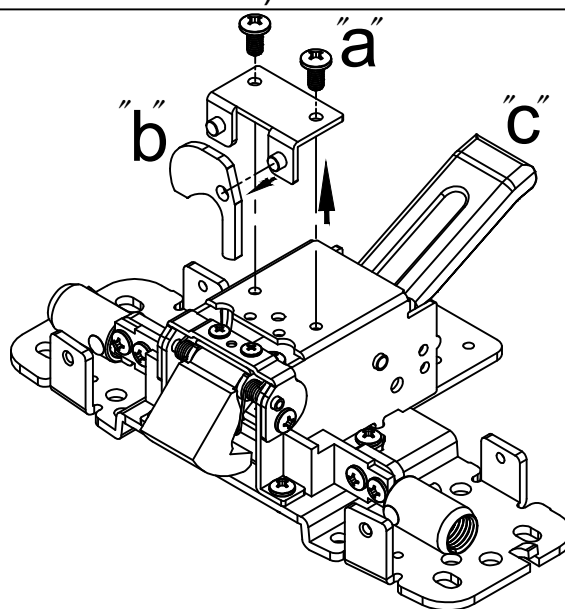
(FOR EXAMPLE: FROM LHR to RHR)

LHR shown

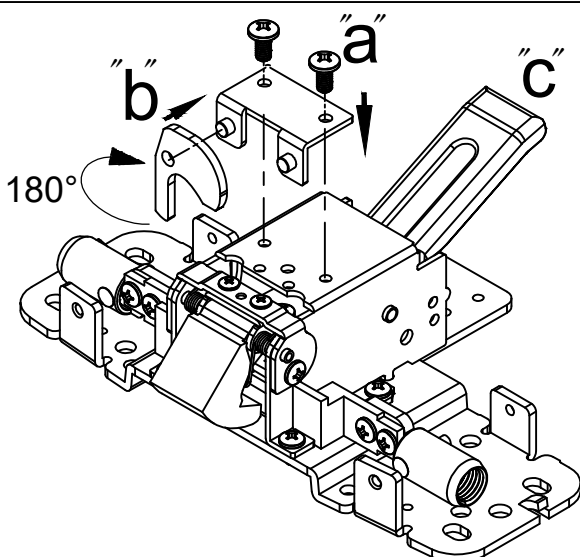
(LHR)



Press Lift Arm "c" and ensure the direction before changing.

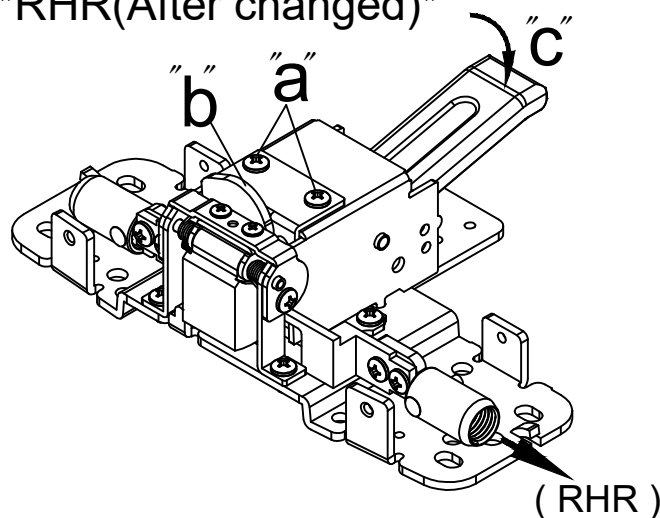


Unscrew "a" and take off "b".



Turn "b" 180° and put it back as figure shown. Fasten "a" at above screw hole position.

RHR(After changed)



Press Lift Arm "c" to ensure the processing direction is reversed.