

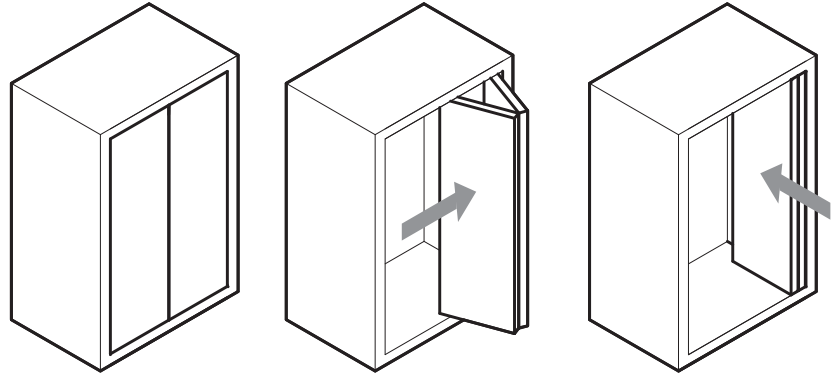
LAMP® Installation Manual

ALT-F FOLDING POCKET DOOR SYSTEM (INSET)

Thank you for using our product. Before installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- Pocket door hardware for folding door systems.
- The folding door can be stored inside shallow cabinets.



SPECIFICATIONS

	2 Rail System	3 Rail System
Max. door width	450 mm / door	
Max. door height	1830 mm	1831 - 2400 mm
Door thickness	23 - 30 mm	
Max. door weight	10 kg / door	

FOR YOUR SAFETY AND CORRECT INSTALLATION

Meaning of symbols

Warning Caution	Prohibited	Required
------------------------	-------------------	-----------------

Warning : If not followed, death or serious injury may result.

- Provide a cabinet that can withstand the weight and impact of opening and closing the door. Be sure to use the specified screws and tighten them securely. If the mounting strength is insufficient, the door may fall and cause injury.
- Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- Do not disassemble or modify any parts other than those described in this document.

Caution : If not followed, injury or damage may result.

- This product should be installed by a qualified person in accordance with this manual. If it is not installed correctly, the door may fall and cause injury.
- Follow the specified dimensions, specifications, and alignment of the cabinet. Warping, tilting or twisting of the cabinet or door may cause failure.
- If cutting any parts, make sure to remove any burrs before installation. Also check the upper track for any left-over burrs or scraps and remove these.
- This product is a part for furniture. After installation, please check the function and safety of the final product. Please inform the end user how to use the product safely.
- Make sure to check the screws for slack at regular intervals (one month from first usage, half a year, and then one time every year is recommended).






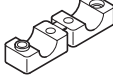
PARTS SET (Single folding door)

[1] 2 Rail System: Max. door height: 1830 mm (Max. cabinet inside height: 1840 mm)

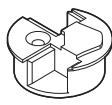

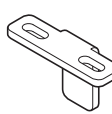
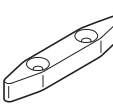
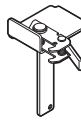
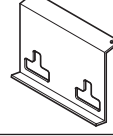
A

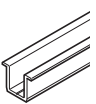
Parts set Item Name: ALT-F18LV2, ALT-F18RV2, ALT-F20LV2, ALT-F20RV2

2 Rails Type Screws supplied ⑮Pan head screw (self-tapping) 4x20: 8 pcs (⑥)
⑲Truss head tapping screw 4x20: 18 pcs (①)

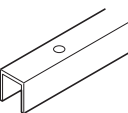
Pats Name	①Rail	②Rack	③Cap	④Gear	⑤Bush	⑥Stationary block
						
Q'ty	2	2	1	4	4	4

Pocket Door Parts Set Screws supplied ⑳Countersunk head tapping screw 4x20: 8 pcs for ⑦⑩⑭
㉑Pan head screw M6x8: 4 pcs for ⑪⑫
㉒Bind head tapping screw 4.5x20: 2 pcs for ⑨
㉓Hexagon flange head tapping screw 4x16: 2 pcs for ⑧
㉔Spring washer 4 mm: 2 pcs for ⑧
㉕Countersunk head tapping screw 3.5x16 (φ6 head): 10 pcs . . . for ⑬

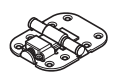
Pats Name	⑦Upper rail joint	⑧End guide	⑨Angle stopper	⑩Inner guide	⑪Interlock	⑫Hinge cover bracket
						
Q'ty	1	1	1	1	1	1

Pats Name	⑬Upper rail
	 1820mm
Q'ty	1

Pitch end:
Approx. 30 mm
Hole pitch:
Approx. 300 mm
Do not use the
screws attached.

Pats Name	⑭Bottom guide rail
	 1500mm
Q'ty	1


Pitch end:
Approx. 30 mm
Hole pitch:
Approx. 250 mm

Pats Name	⑮Center hinge
	
Q'ty	3

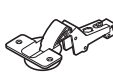
Screws supplied
㉖Countersunk head tapping screw
3.5x16: 24 pcs . . . for ⑮

B

Shaft (1 pc)

Pats Name	⑰Shaft
	
Q'ty	1

Length: 902±13 mm
1207±13 mm
1816±13 mm

Pats Name	⑰Hinge set
	
Q'ty	4

Screws supplied
㉗Countersunk head tapping screw
3.5x20: 8 pcs . . . for ⑰

[2] 3 Rail System : Door height: 1831 - 2400 mm (Cabinet inside height: 1841 - 2410 mm)

Item Name: ALT-F18LV3, ALT-F18RV3, ALT-F20LV3, ALT-F20RV3

This includes above **A**, **B** and below parts.

Screws Supplied ⑮Pan head screw (self-tapping) 4×20: 4 pcs . . . for ⑥
⑲Truss head tapping screw 4×20: 9 pcs . . . for ①

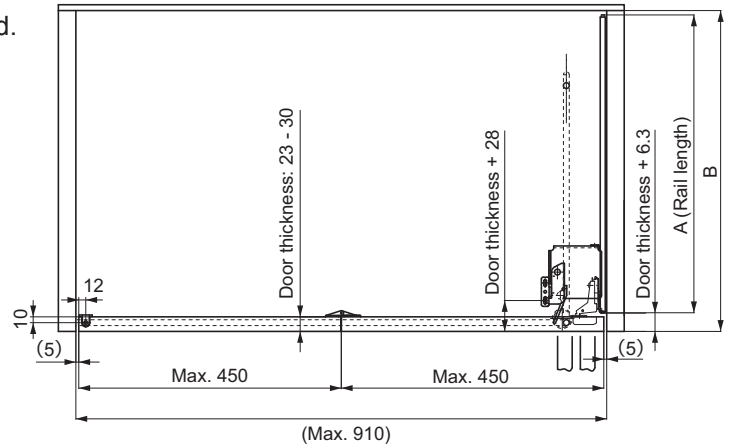
Name	①Rail	②Rack	④Gear	⑤Bush	⑥Stationary Block
Q'ty	1	1	2	2	2

Name	⑮Center Hinge	Screws supplied ㉖Countersunk head tapping screw 3.5x16: 8 pcs . . . for ⑮	⑰Hinge set	Screws supplied ㉗Countersunk tapping screw 3.5x20: 4 pcs . . . for ⑰	⑫Hinge Cover Bracket	Screws supplied ㉑Pan head screw M6x8: 2 pcs . . . for ⑫
Q'ty	1		2 pcs		1	

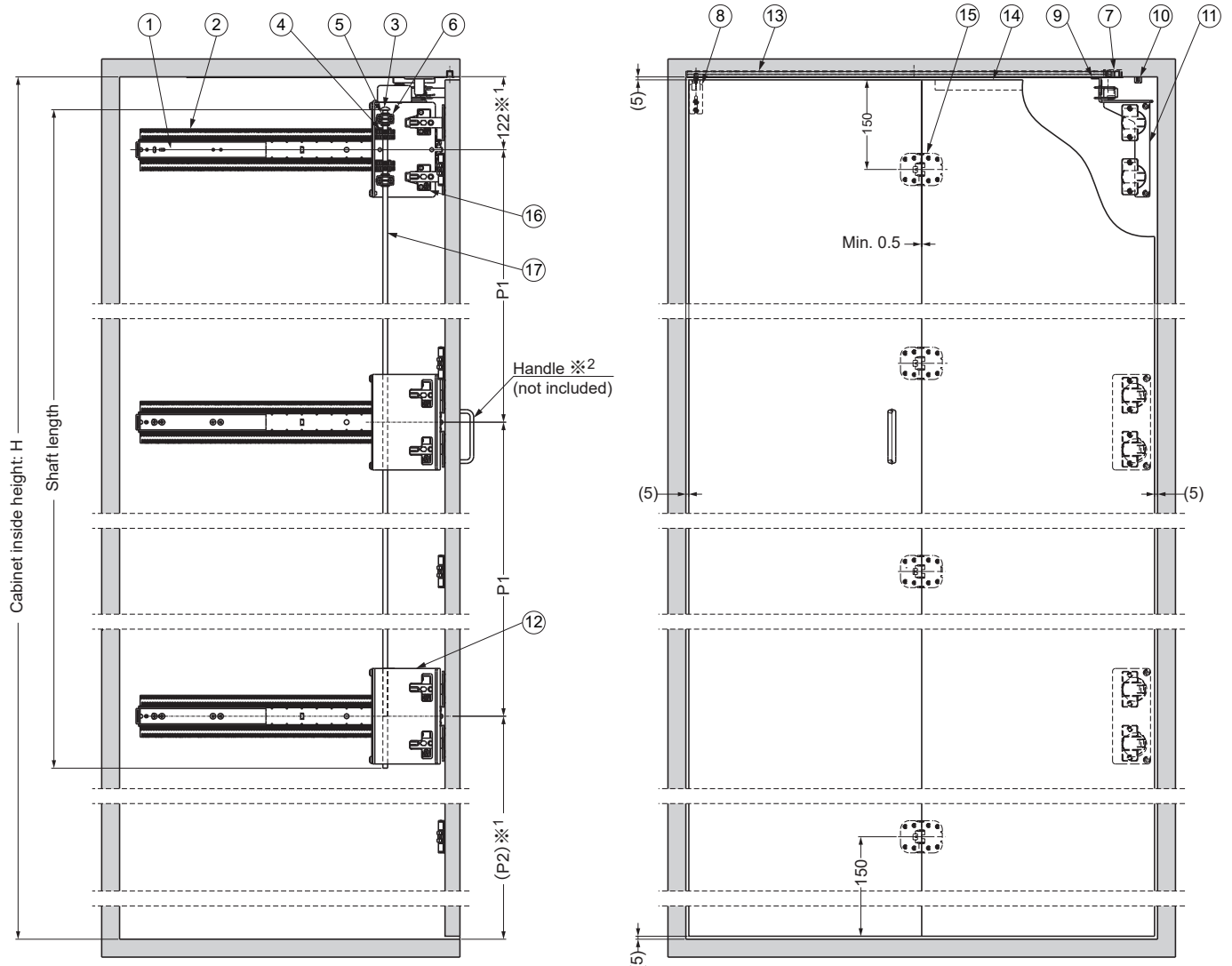
INSTALLATION DRAWINGS

This shows the right-hand opening type.
Installation for the left-hand opening type should be reversed.

Item Name	Opening direction	Rail Length (A)	Door Storing	Cabinet Depth (B)
ALT-F18LV2	Left	460.4	345.9 + Door thickness	466.7 + Door thickness
ALT-F18RV2	Right			
ALT-F20LV2	Left	511.2	396.7 + Door thickness	517.5 + Door thickness
ALT-F20RV2	Right			
ALT-F18LV3	Left	460.4	345.9 + Door thickness	466.7 + Door thickness
ALT-F18RV3	Right			
ALT-F20LV3	Left	511.2	396.7 + Door thickness	517.5 + Door thickness
ALT-F20RV3	Right			



Installation Drawing (3 Rails Type)



※¹ Position of rails

The dimension of the design is 125, but take into consideration that the door may sag when installing the door.

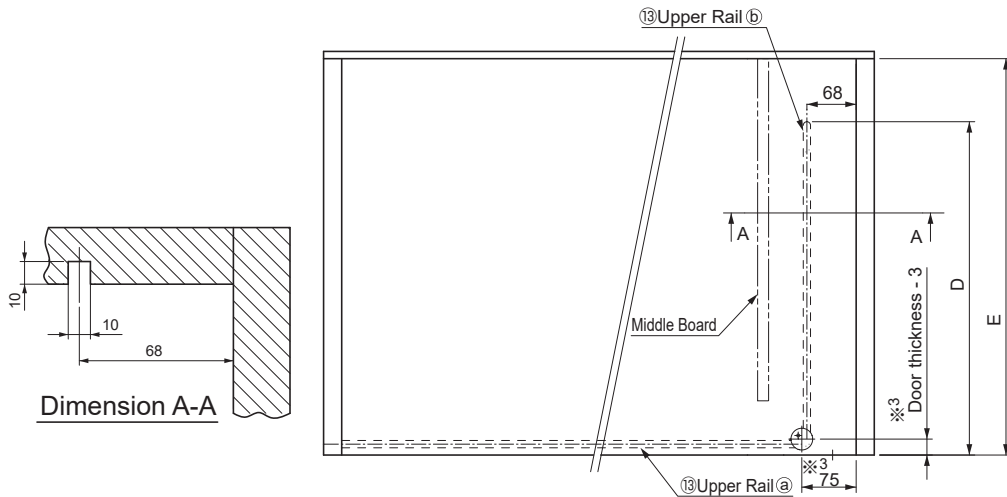
※² Position of handle

See page 4 when placing a middle board.

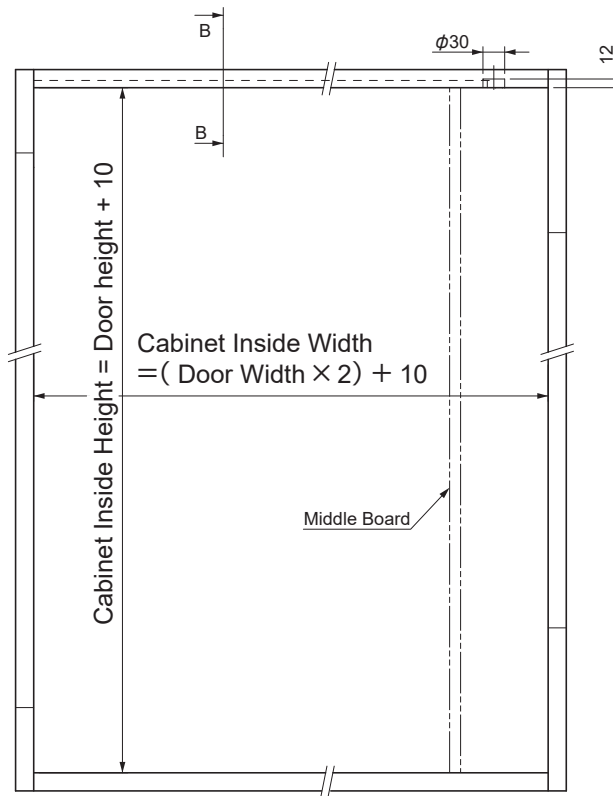
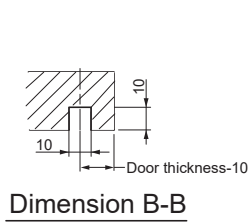
	2 Rails Type	3 Rails Type	
Door Height	Max. 1830	1831 - 1903	1904 - 2400
Cabinet Inside Height: H	Max. 1840	1841 - 1913	1914 - 2410
Shaft Length	H-110		1803
P1	H-250	(H-250)/2	831
(P2)	128		H-1784

CABINET DIMENSION

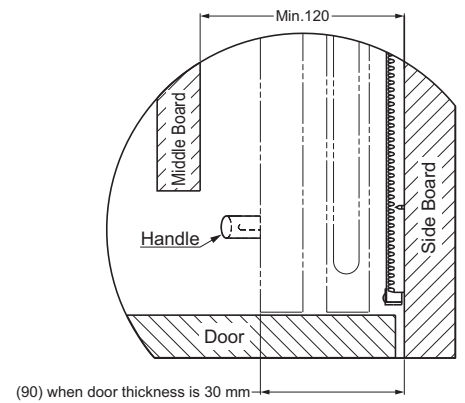
Use hardwood for core material where parts are installed.



※³ : Position (center) of $\phi 30$ hole



When installing middle board
Position middle board to avoid
interference with handle and angle
stopper.



Length of Upper Rail ⑬

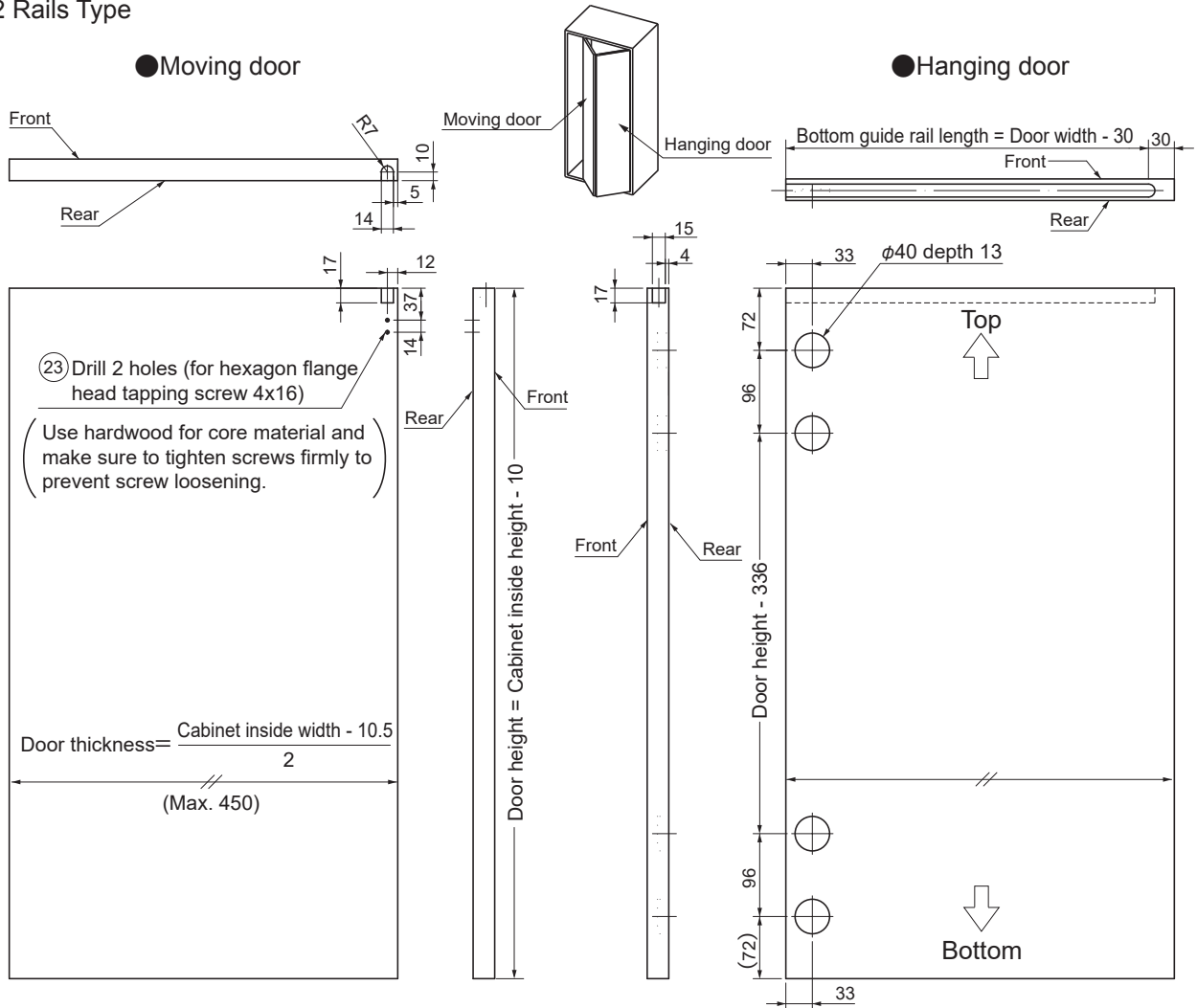
	Rail (a)	Rail (b)	D	E
ALF-F18(L/R)	Door Width × 2 - 69	375	410	Min. 466.7 + Door thickness
ALF-F20(L/R)		425	460	Min. 517.5 + Door thickness

Please drill a new hole within 50 mm from the end of upper rail after cutting the rail.
Do not deform the rail when cutting.
Deburr the cut surfaces.

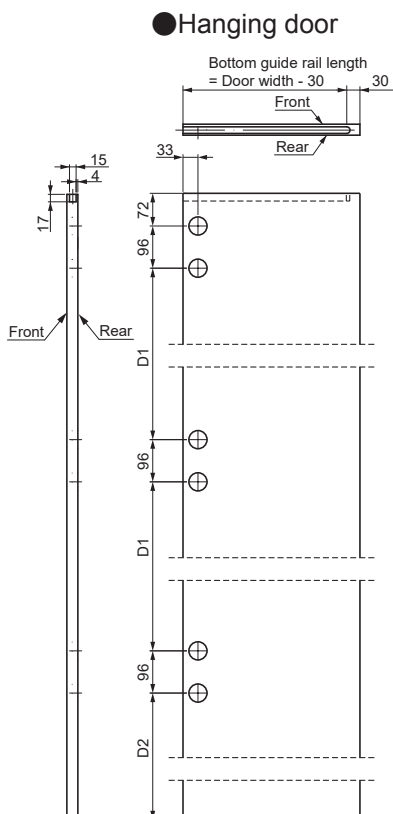
DOOR DIMENSION

Use hardwood for core material where parts are installed.

[1] 2 Rails Type



[2] 3 Rails Type



● Moving door is the same as the 2 rail type

※⁴ Please drill a new hole within 50 mm from the end of rail after cutting the rail.

Do not deform the rail when cutting.

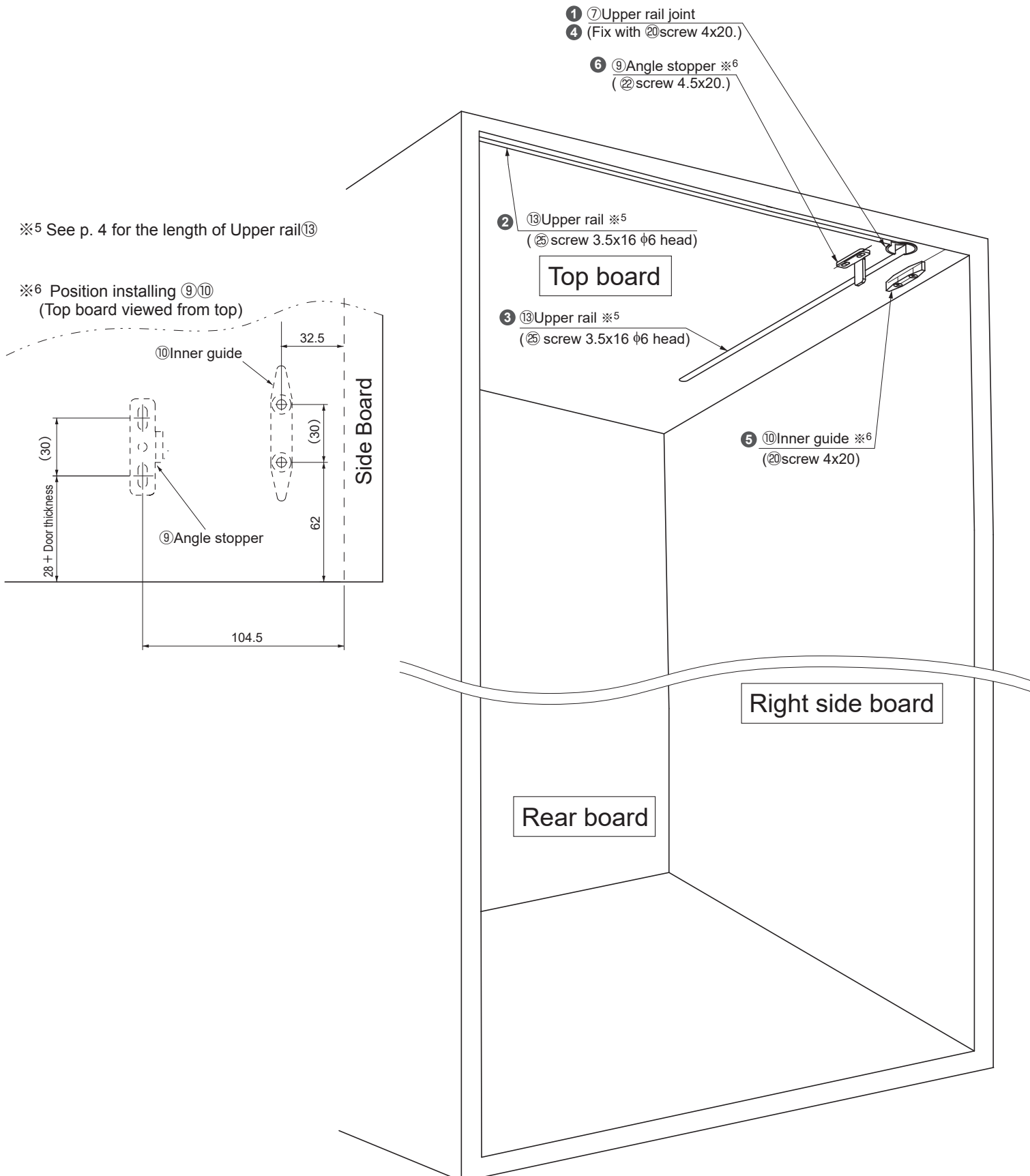
Deburr the cut surfaces.

Door height	1831 - 1903	1904 - 2400
Cabinet inside height: H	1841 - 1913	1914 - 2410
D1	$(\text{Door height} - 432)/2$	735
(D2)	(72)	Door height - 1830

INSTALLATION PROCEDURES

1 Installing Parts on the Top Board

Install parts in order of ① to ⑥.



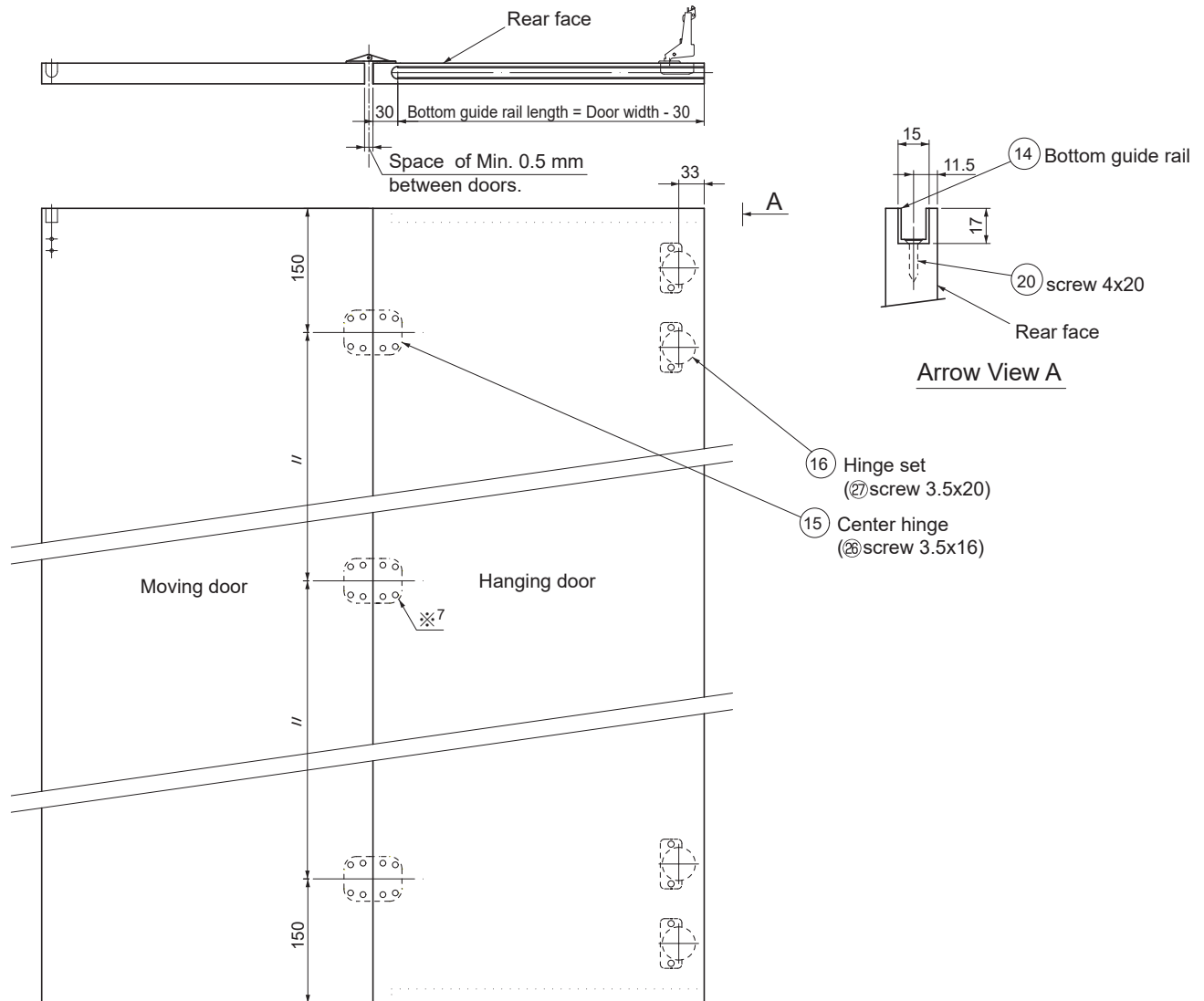
2 Installing Parts

- (1) Fix hinge set ⑯ into the hanging door.
- (2) Fix bottom guide rail ⑭ into the grooves in the upper blocks in hanging door.
- (3) Fix center hinge ⑮.

2 rail type: Fix as shown in the below drawing.

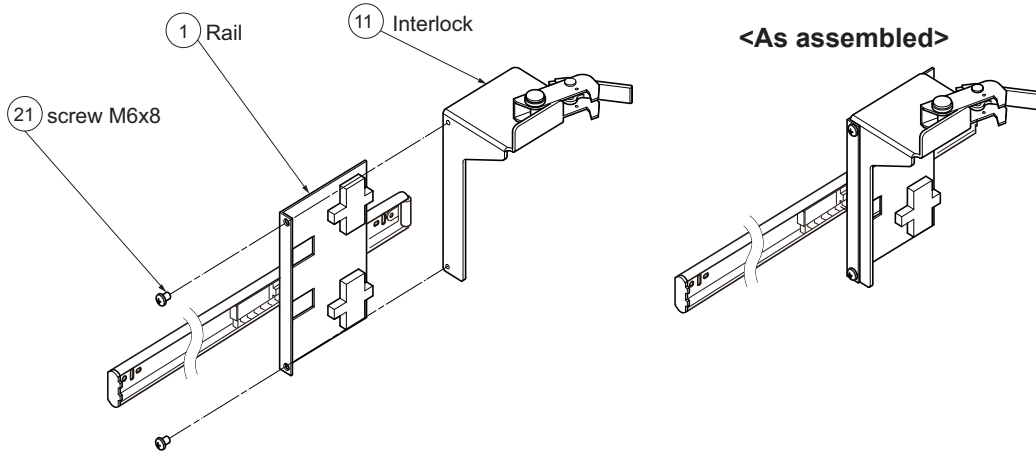
3 rail type: Fix 2 center hinges within 150 mm of the end.

※7 2 additional hinges should be mounted spaced evenly.



3 Assembling Interlock to Rail

Assemble interlock (11) to rail (1) with screw (21).

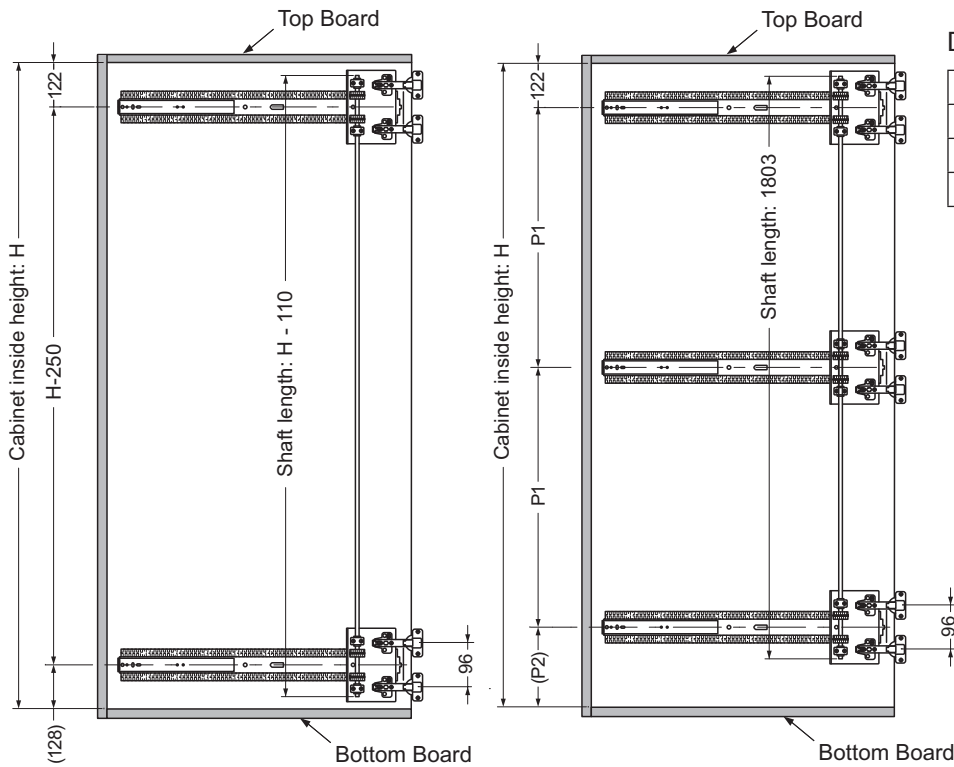


4 Installing Rails and Racks

1 Positions for rails

[1] 2 Rails Type

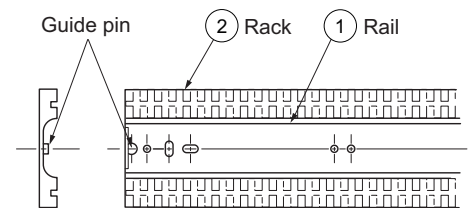
[2] 3 Rails Model



Dimensions for 3 rails model

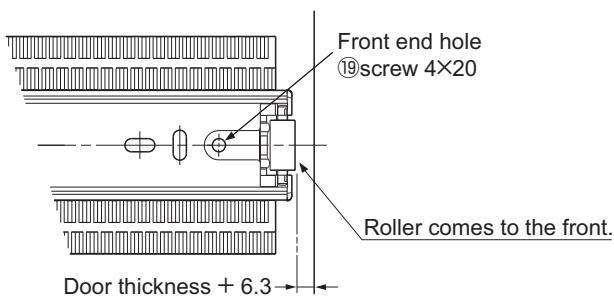
Door height	1831 - 1903	1904 - 2400
Cabinet inside height: H	1841 - 1913	1914 - 2410
P1	$(H-250)/2$	831
(P2)	128	H-1784

2 Fit rail to the rack.



3 Fixing Rails

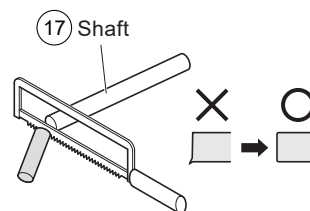
Fix rails in order to be parallel each other.



4 Cutting of shaft

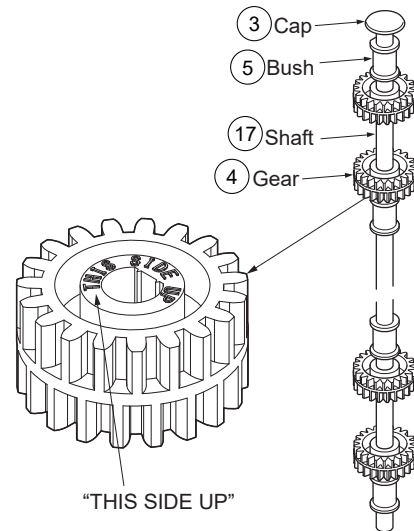
Cut shaft (17) as in above drawings.

CAUTION
1 Deburr the cut surfaces of the shaft completely.



5 Assembling Shaft and Gear

- [1] If the shaft has been cut, remove burrs from the end of the shaft so that other parts can be easily installed.
- [2] Temporarily assemble the gears, shaft, and bushes as shown in the right figure; make sure that the top and bottom are correct.
 - ※ If the gears are facing in the wrong direction, they will not mesh with the rack.
 - ※ If the bush does not slide on smoothly, use more force to slide it on.
- [3] Push the cap firmly onto the shaft.

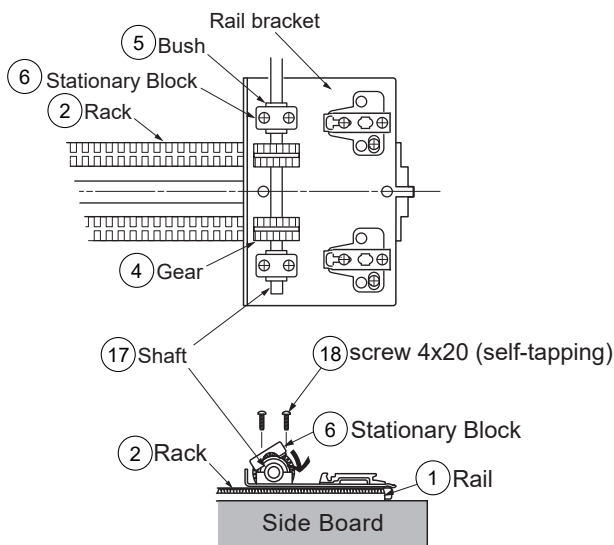


CAUTION

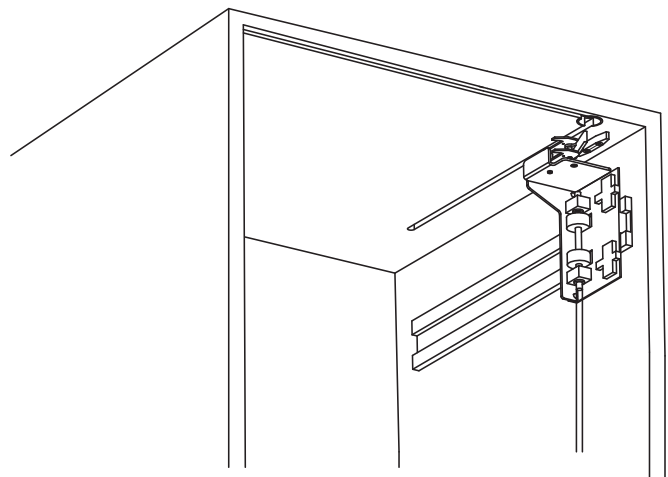
- ⊘ Do not use the shaft as a splice. This will adversely affect the movement of the door.

6 Assembling Gear into Rail

- (1) Pull the rail bracket to the end of the rail.
- (2) Engage the rack and gear of connecting shaft. Fix the stationary block as in below drawing.



<Shaft mounted on the rail>

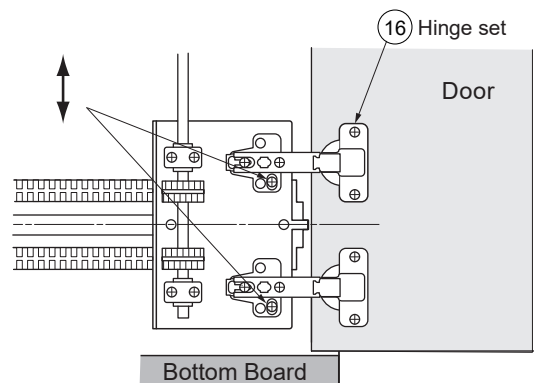


7 Hanging Doors

- ❗ The work of hanging the doors must always be carried out by a team of two workers.
- Install the door to mount the hinge set onto mounting plates.
- See **9** for door adjustment instructions.

CAUTION

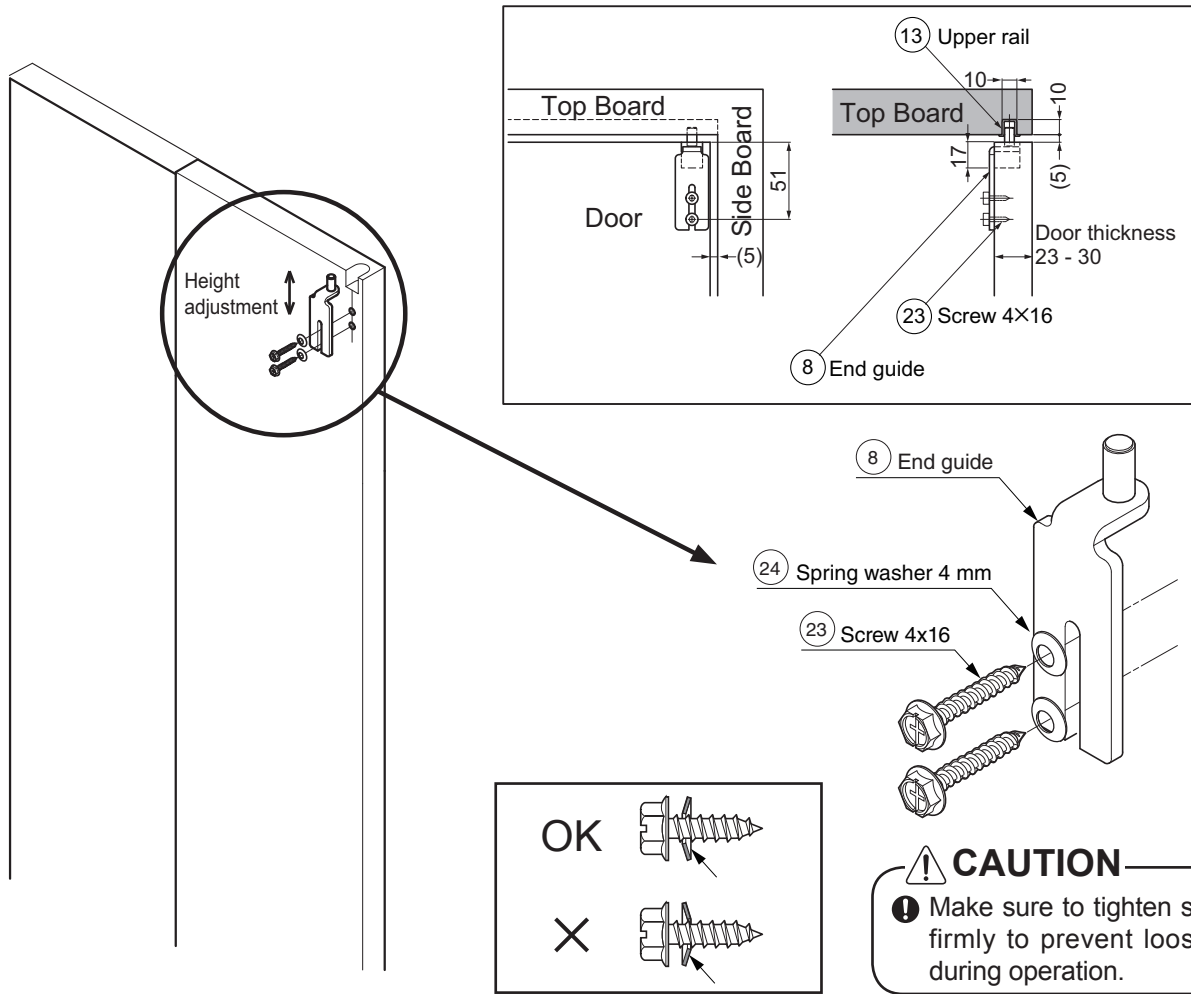
- ❗ Do not adjust the screws farther than they turn easily. Over-turning may cause damage to the product.
- ❗ As for the vertical and depth adjustment, be sure to tighten the screws after the adjustment.



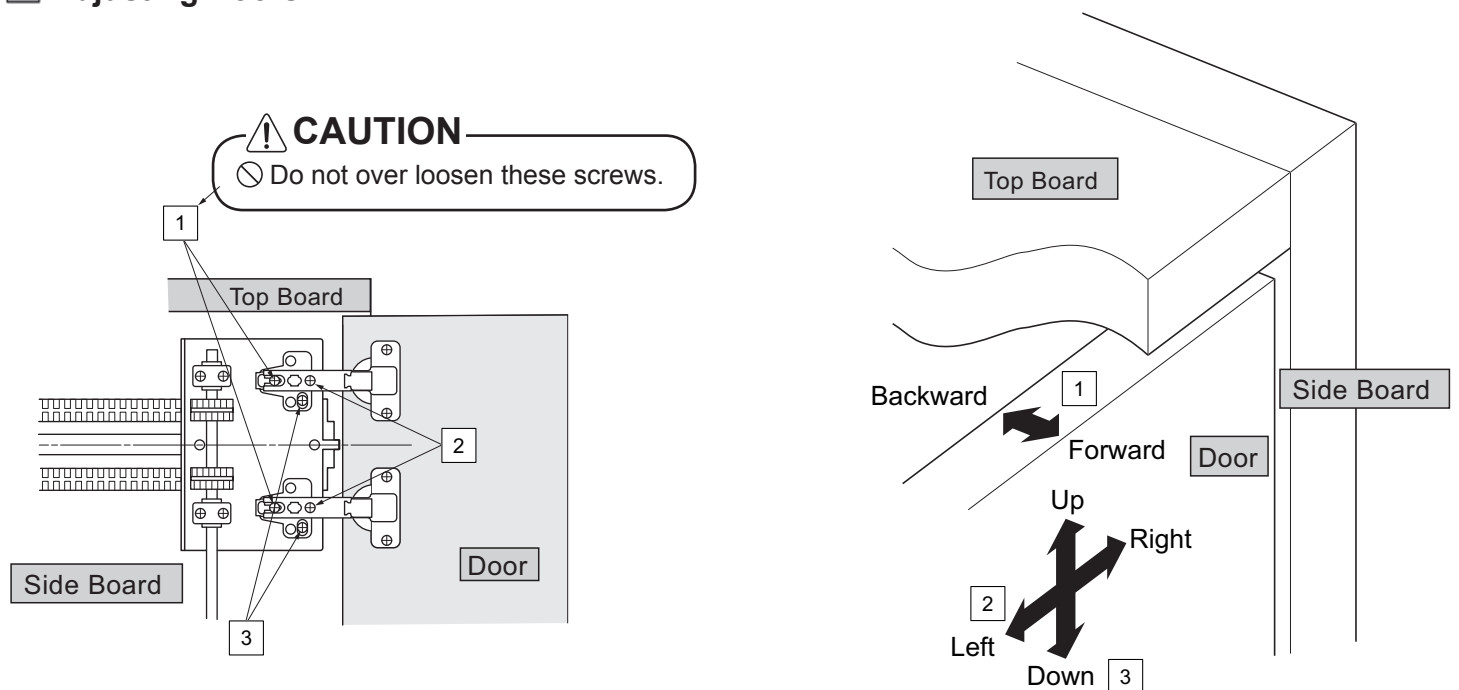
Height adjustment

8 Installing End Guide

Insert the end guide ⑧ into upper rail ⑬ and fix with ⑳ and ㉑ after height adjustment.

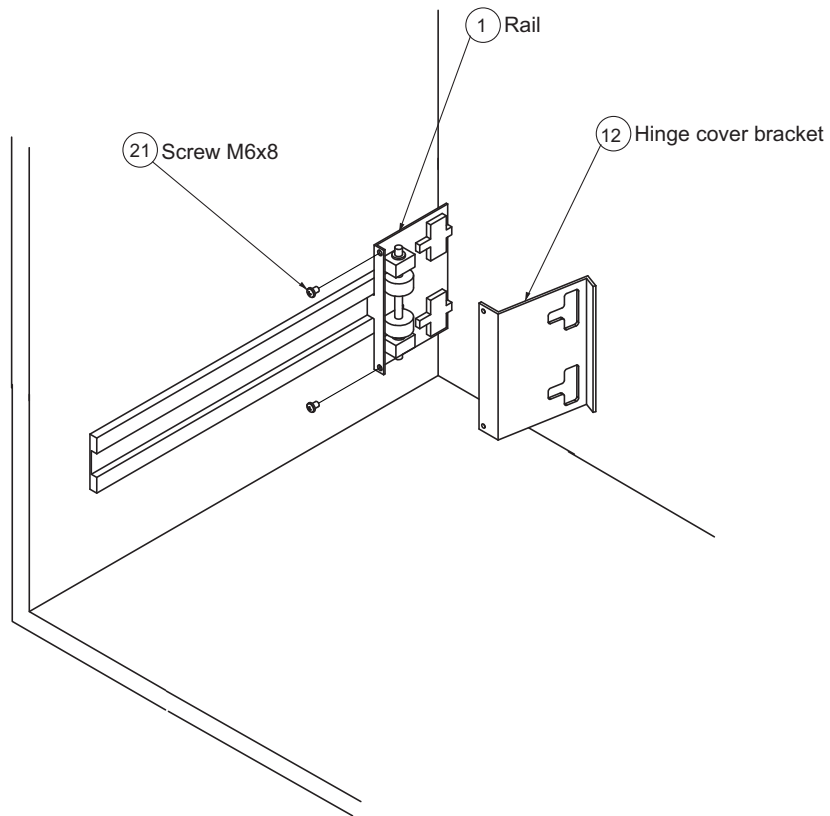


9 Adjusting Doors

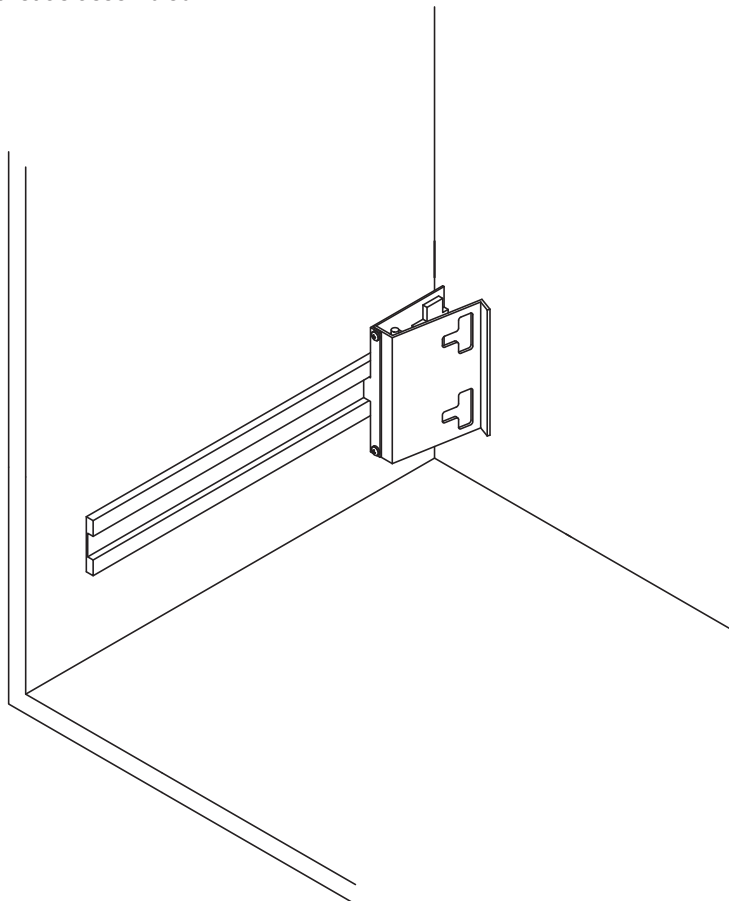


10 Assembling Hinge Cover Bracket

Assemble hinge cover bracket ⑫ to rail ①.
(As for 3 slides model, assemble it to middle rail, too.)



<Hinge cover bracket as assembled>



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