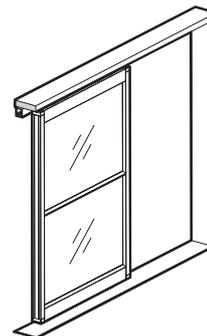


Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation.

An improper installation may result in injury.

Please keep this manual at hand for future reference.



### Safety precautions



To install the hardware correctly, carefully read the "Safety precautions" and "Installation instructions" in this manual.

#### Be sure to follow these instructions.

Read and follow these safety precautions to ensure safety.

The following icons indicate precautions to prevent incorrect installation and ensure safe use of the product.



#### Warning

This icon indicates information that if ignored may lead to incorrect operation that could result in death or serious injury.



#### Caution

This icon indicates information that if ignored may lead to incorrect operation that could result in injury.

Also, the icons below are used in addition to the icons above to differentiate between the types of risk and damage.



This icon indicates actions that should not be done (prohibited actions).



This icon indicates actions that must be done.



This sliding door system should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.



It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. A frame with poor strength or loose screws might result in improper and slower movement of the door. In the worst case, the door might drop down and cause injury.



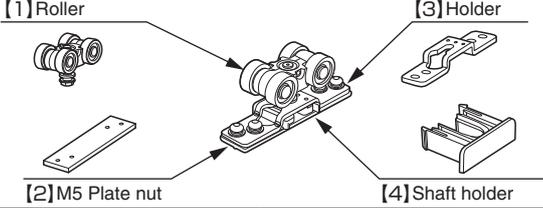
### Installation precautions

- This product is a hanging sliding door. Make sure that the structure is strong enough to support the door before installing the tracks.
- Clean the floor of your work area so the aluminum frame of the door is not scratched.
- After unpacking the product, check it for damaged or missing parts.
- Do not disassemble nor modify any parts other than those described in this document.
- If cutting any parts, make sure to remove any burr before installation. Also check the upper track for any left-over burr or scrap and remove these.
- Please use the tempered glass. It is recommended to use shatterproof film on the glass.

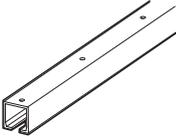
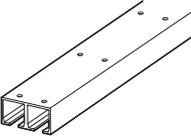
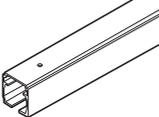
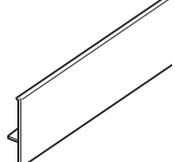
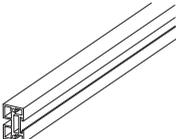
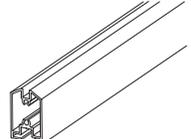
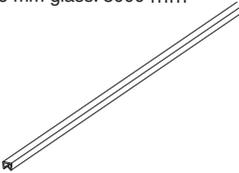
# 1

## Parts List

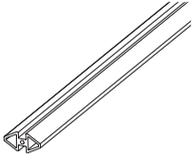
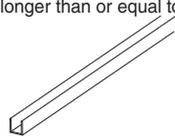
### Parts (for 1 door)

<p>① Hanging roller ..... 2 pcs</p> <p>Accessory screw: Hexagon socket button head screw M5 x 16 ..... 8 pcs Spring lock washer 5 mm ..... 8 pcs Plain washer 5 mm ..... 8 pcs</p>		<p>② Stopper (standard) ..... 2 pcs</p> <p>Accessory: Hexagon socket screw key 3 mm</p> 	
<p>③ Stopper (cover panel) ..... 2 pcs</p> <p>Accessory: Hexagon socket screw key 3 mm</p> 	<p>④ Guide roller ..... 1 pc</p> <p>Accessory screw: Cross recessed pan head tapping screws 4.5 x 16</p> 	<p>⑤ Corner part (option) ..... 4 pcs</p> 	<p>⑥ Screw set</p> <ul style="list-style-type: none"> <li>Hexagon socket head cap screw M6 x 30 ..... 8 pcs (for Frame ①②)</li> <li>Hexagon socket head cap screw M4 x 30 ..... 6 pcs (for Intermediate support ⑮)</li> <li>Hexagon socket countersunk head screw M4 x 25 ..... 8 pcs (for Corner Part ⑤)</li> </ul>

### Standard length parts

<p>⑦ Standard track 2000 mm/3600 mm</p> 	<p>⑧ Standard double track 2000 mm/3600 mm</p> 	<p>⑨ Cover panel use track 2000 mm/3600 mm</p> 	<p>⑩ Cover panel 2000 mm/3600 mm</p> 
<p>⑪ Vertical frame 2500 mm/3000 mm</p> 	<p>⑫ Horizontal frame 2000 mm</p> 	<p>⑬ Gasket for 5 mm glass: 2500 mm for 6 mm glass: 3000 mm</p> 	<p>⑭ Edge cover 2500 mm/3000 mm</p> 

### Optional parts

<p>⑮ Intermediate support 2000 mm</p> 	<p>⑯ Gasket for Intermediate support for 5 mm glass: 2500 mm for 6 mm glass: 3000 mm</p> 	<p>⑰ Floor guide track 1220 mm, 1520 mm, 1820 mm, 2440 mm, 3000 mm, 4000 mm *No fixing hole is provided for the guide tracks longer than or equal to 3000 mm.</p> 
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### Items that need to be prepared at the site

<p>● Screws to install the track ⑦⑧</p>	<p>Pan head tapping screws 5 x 40 ..... as many as needed</p>
<p>● Screws to fix guide roller ④</p>	<p>Pan head screws 4 x 20 ..... 2 pcs (These screws are needed when Floor guide track ⑰ is used.)</p>

# 2

## Drawings

### Specifications

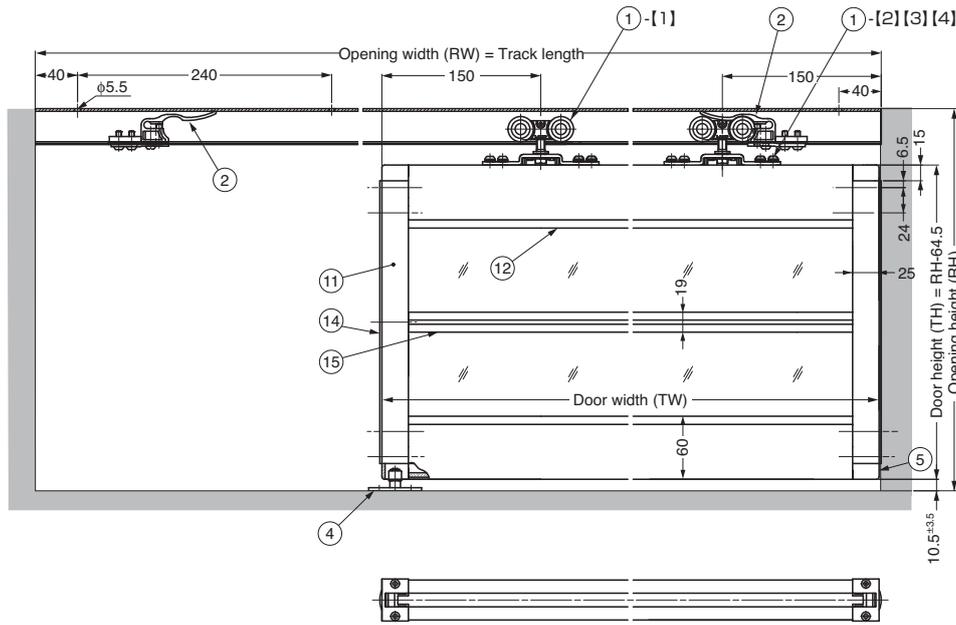
	Max.Door width	Max.Door height	Glass thickness	Max.Door weight (1 door)
Without Intermediate support <sup>15</sup>	900 mm	2200 mm	5 mm or 6 mm	70 kg
With Intermediate support <sup>15</sup>	1500 mm	2500 mm		

**\*Guide to required numbers of Support (Under 70 kg of door with 5 mm glass)**

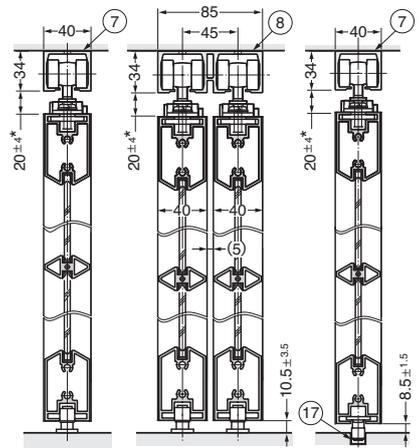
Size of door (smaller than below)	Required supports
W1600×H2000	2
W1500×H2200	
W1300×H2500	
W1200×H2700	3
W1100×H3000	
	4

### Standard (no cover panel)

\*Height adjustable range: -4 mm to +4 mm

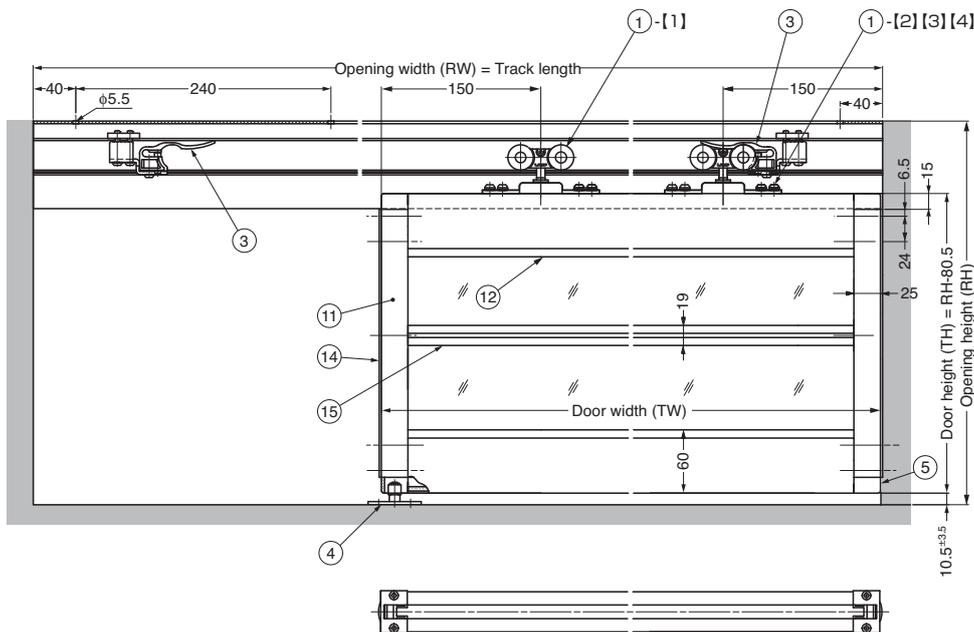


**Caution**  
When door jump is not provided apply Two-way soft closer.

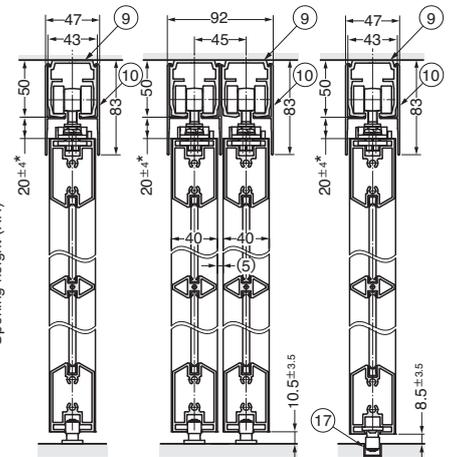


### With cover panel

\*Height adjustable range: -4 mm to +4 mm



**Caution**  
When door jump is not provided apply Two-way soft closer.

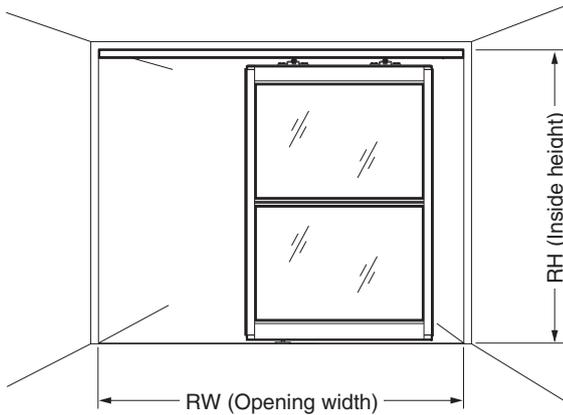


# 3

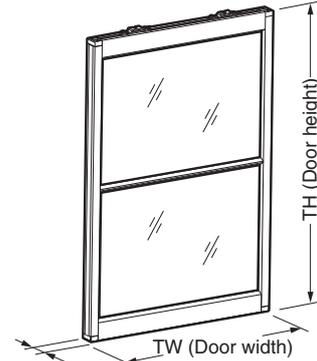
## Dimensions of doors

(Cut off after the decimal point for the divided dimensions.)

### Drawing of installed door



Standard no cover panel : TH (Door height) = RH-64.5  
 With cover panel : TH (Door height) = RH-80.5

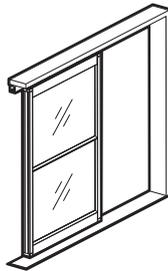


40 (Door thickness)  
 Door width TW =  $\frac{(RW-4) + (\text{number of overlaps} \times 25)}{\text{Number of doors}}$

Glass height GH =  $\frac{TH-104 - (\text{Number of Intermediate support} \times 11)}{\text{Number of glass panels}}$

Glass width GW = TW-34

#### Standard no cover panel



#### Ex: 1 door on single track

Size of the door when Opening width 1800 mm and Opening height 2400 mm

TH = 2400 - 64.5  
 = 2335.5 mm

When using Guide roller

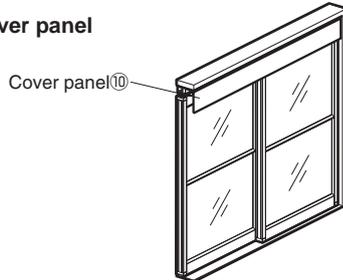
TW =  $\frac{(1800-4) + (1 \times 25)}{2^*}$   
 = 910.5  
 ≒ 910

When using Floor Track

TW =  $\frac{(1800-4) + (0 \times 25)}{2^*}$   
 = 898

\*Divided with two, since side wall is counted as a door.

#### With cover panel



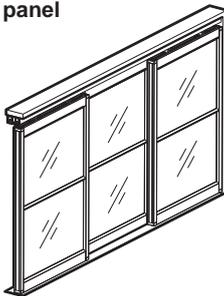
#### Ex: 2 doors on double track

Size of each door when Opening width 1800 mm and Opening height 2400 mm

TH = 2400 - 80.5  
 = 2319.5 mm

TW =  $\frac{(1800-4) + (1 \times 25)}{2}$   
 = 910.5 mm  
 ≒ 910 mm

#### Standard no cover panel



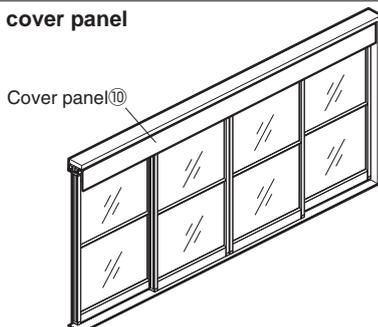
#### Ex: 3 doors on double track

Size of each door when Opening width 2700 mm and Opening height 2500 mm

TH = 2500 - 64.5  
 = 2435.5 mm

TW =  $\frac{(2700-4) + (2 \times 25)}{3}$   
 = 915.3333 · · ·  
 ≒ 915 mm

#### With cover panel



#### Ex: 4 doors on double track

Size of each door when Opening width 4000 mm and Opening height 2500 mm

TH = 2500 - 80.5  
 = 2419.5 mm

TW =  $\frac{(4000-4) + (2 \times 25)}{4}$   
 = 1011.5  
 ≒ 1011 mm

### Caution

Contact our sales staff for information about triple track or 5-door installations.

# 4

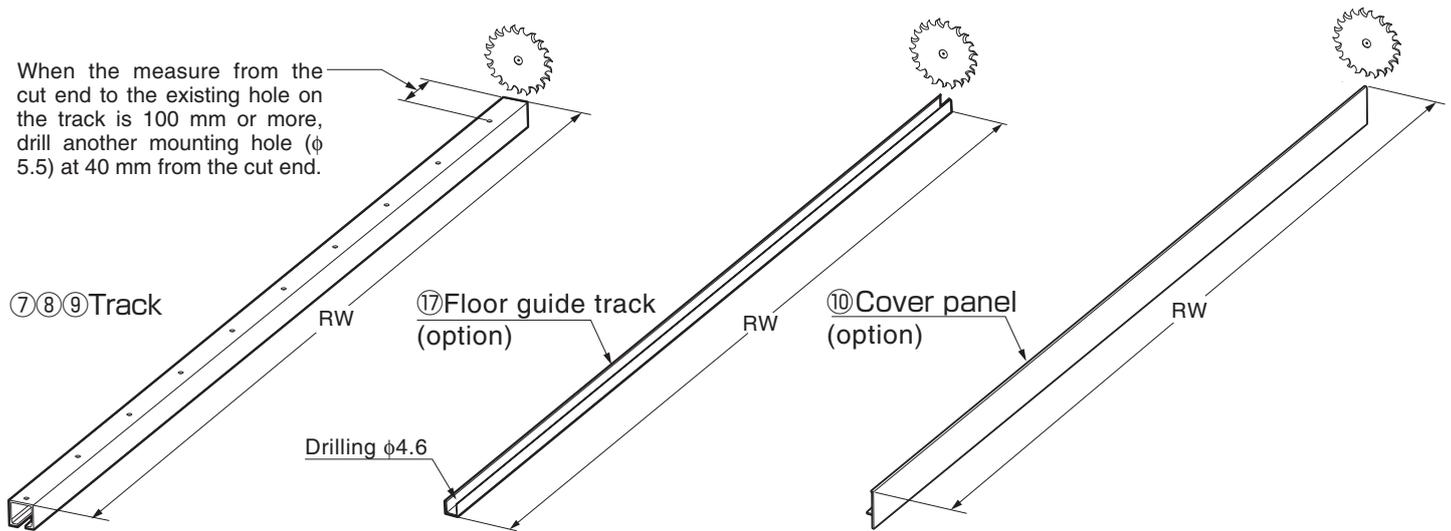
## Cutting and hole processing of standard length parts

### ⚠ Caution

- Cut carefully so the cut edge is square to avoid bias and skewing.
- Make sure to remove any burr. Also check the upper track for any left-over burr or scrap and remove these.

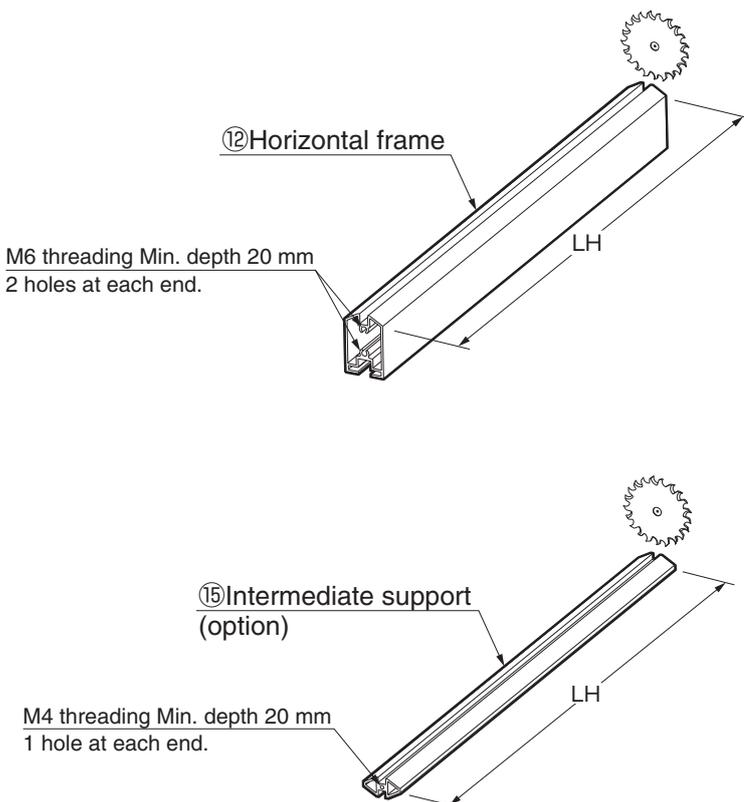
### Track (7)(8)(9), Floor Guide track (17) (option), Cover panel (10) (option)

Length = RW (Opening width)



### Horizontal frame (12), Intermediate support (15) (option)

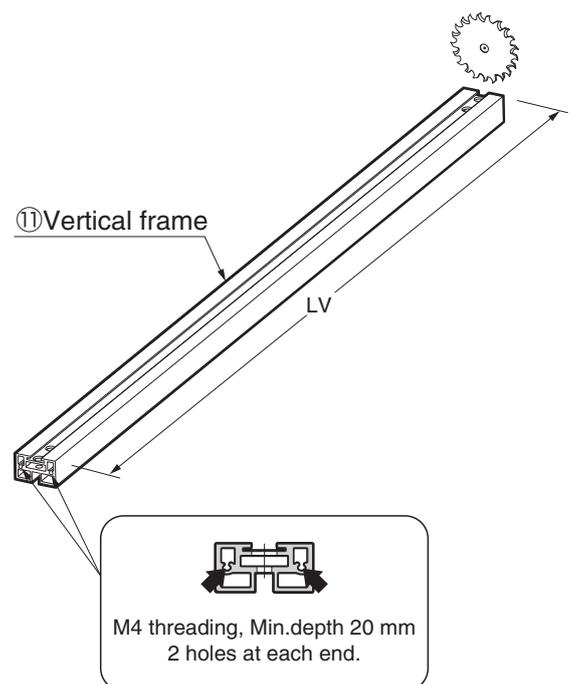
LH = TW(Door width) - 50(Thickness of Vertical frame x 2)



### Vertical frame (11)

The vertical frame length LV varies depending on whether or not Corner parts (5) are used.

With Corner parts LV = TH (Door height) - 30  
No Corner parts LV = TH (Door height)

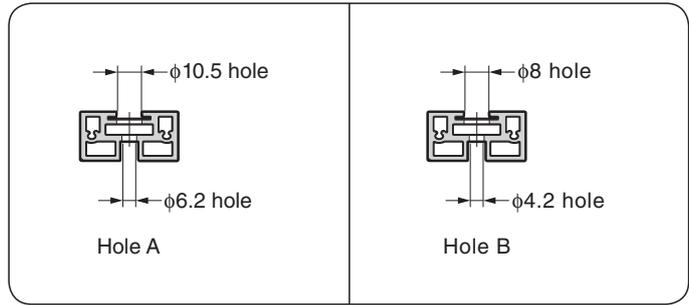


# 5

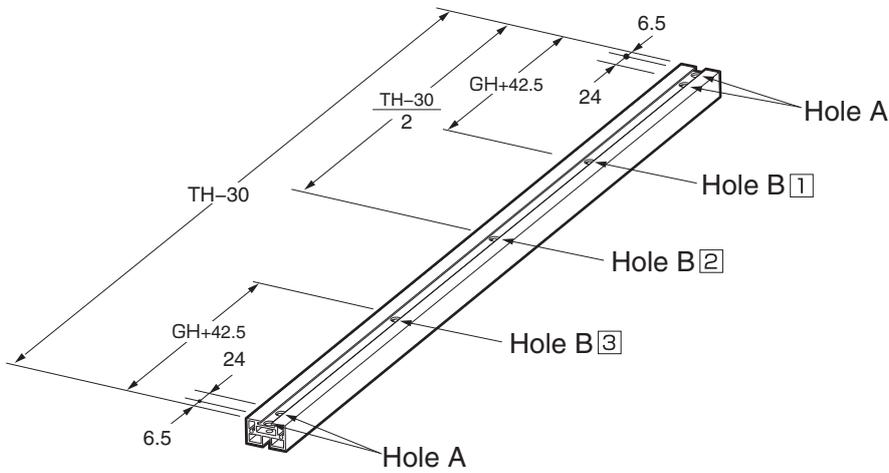
## Vertical frame ① processing

Drill holes according to the quantity of Intermediate support.

- Hole A only if there is no Intermediate support
- Hole A + B② for 1 Intermediate support
- Hole A + B①, B③ for 2 Intermediate supports
- Hole A + B①, B②, B③ for 3 Intermediate supports

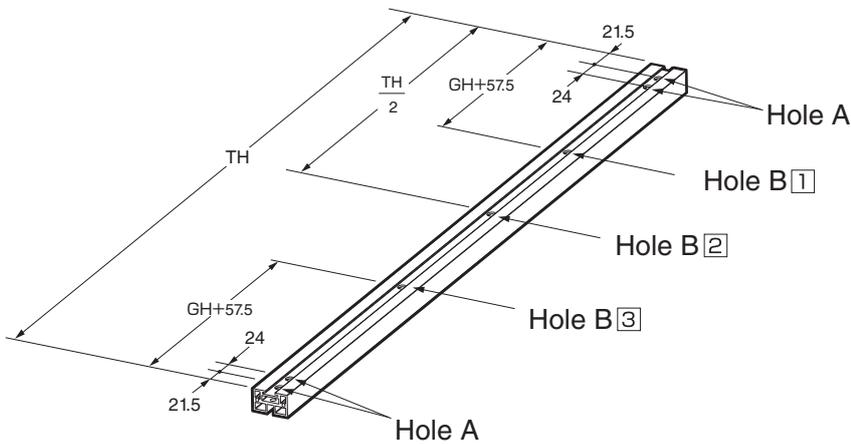


When using Corner parts



TH: Door height  
GH: Grass height

When not using Corner parts

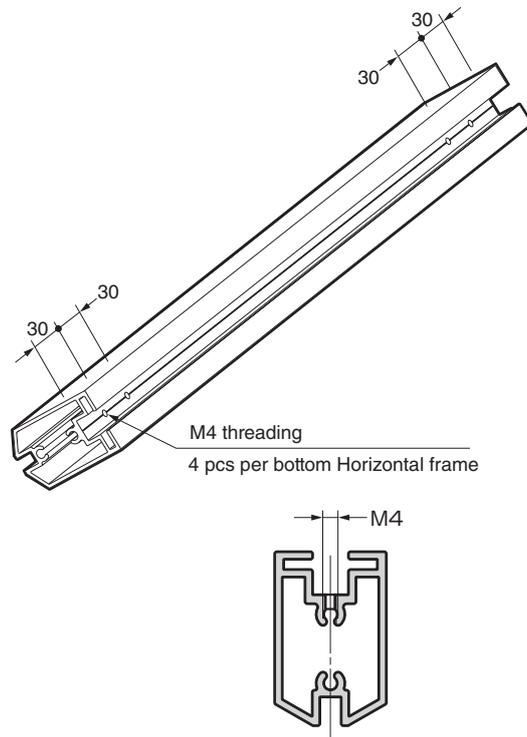


When not using a Floor guide track⑰

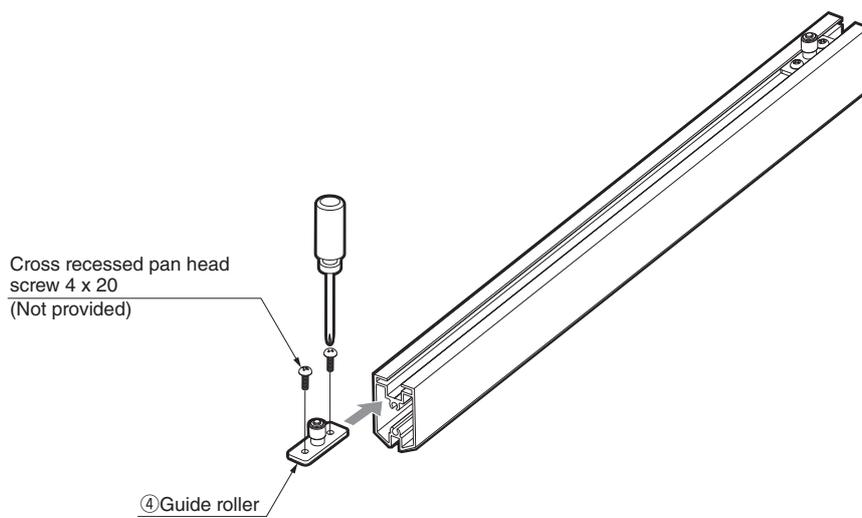
Work on the frame as shown in the figure above so that the Guide roller ④ does not contact with the Vertical frame ①.

# 6

## Horizontal frame ⑫ (bottom) processing (when using Floor guide track ⑰)

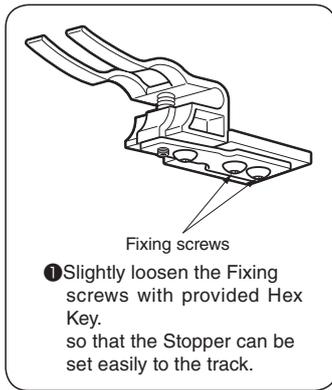


Fix the Guide roller ④ to both ends of the Horizontal frame⑫.

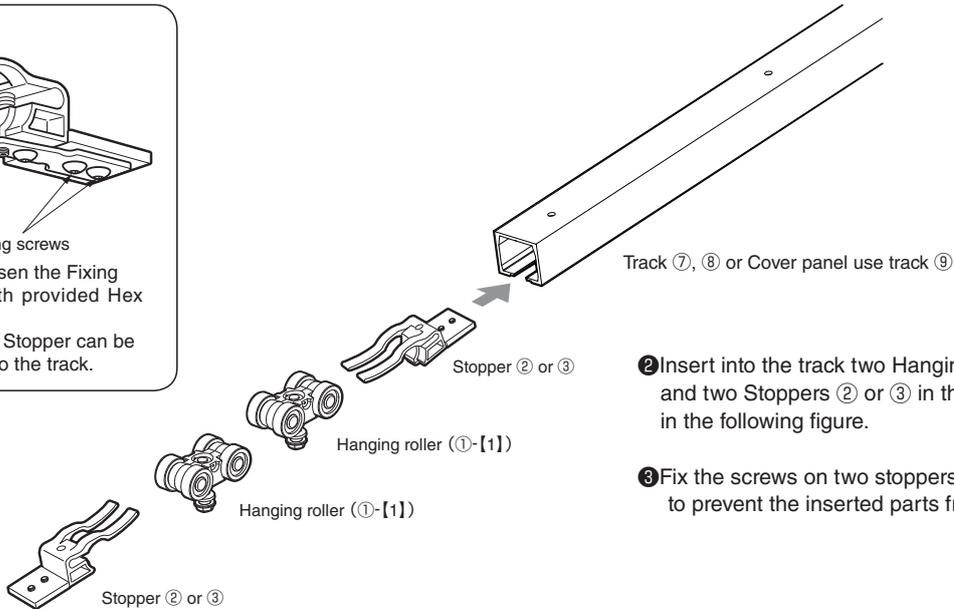


# 7

## Assembling roller ① - [1] , Stopper ② or ③



- ① Slightly loosen the Fixing screws with provided Hex Key, so that the Stopper can be set easily to the track.



- ② Insert into the track two Hanging rollers ① - [1] and two Stoppers ② or ③ in the order shown in the following figure.

- ③ Fix the screws on two stoppers temporarily to prevent the inserted parts from dropping.

### Caution

Check with the direction when insert the Stoppers.

	Track	Stopper
No cover panel	Standard track (2000 mm/3600 mm) ⑦	Stopper (standard) ②
	Standard double track (2000 mm/3600 mm) ⑧	
With cover panel	Cover panel track (2000 mm/3600 mm) ⑨	Stopper (for cover panel use) ③

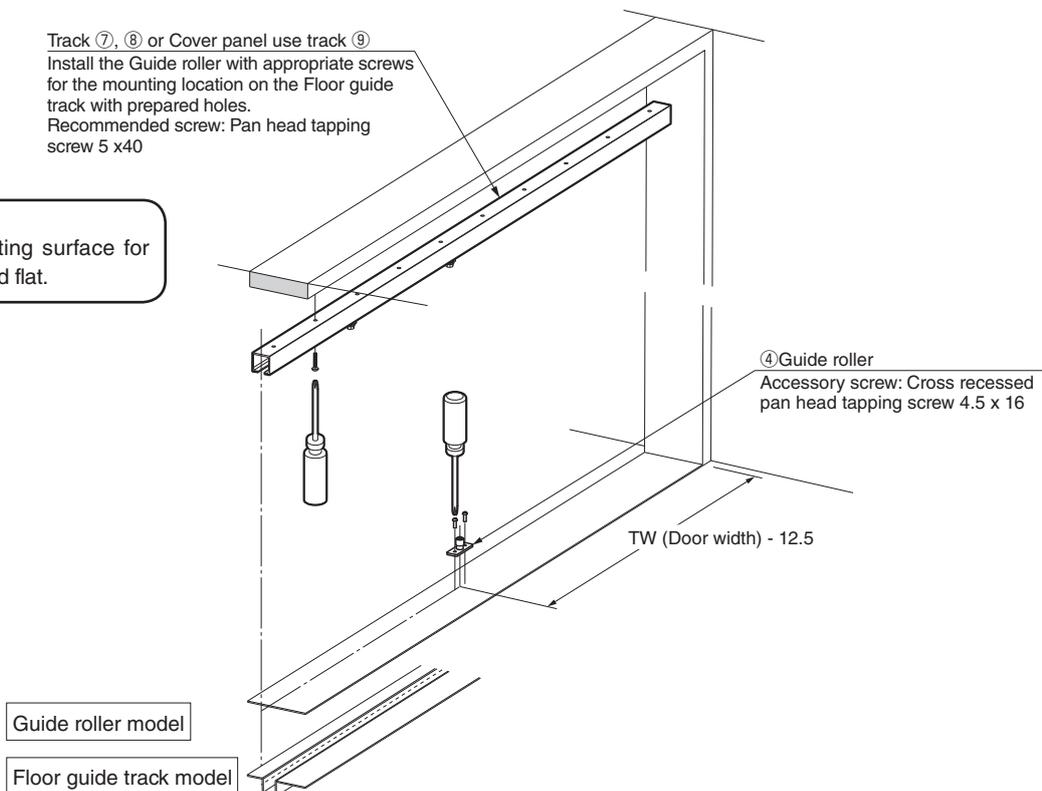
# 8

## Installing track and Guide roller ④ or Floor guide track ⑰

Track ⑦, ⑧ or Cover panel use track ⑨  
Install the Guide roller with appropriate screws for the mounting location on the Floor guide track with prepared holes.  
Recommended screw: Pan head tapping screw 5 x40

### Caution

Be sure that the mounting surface for the track is horizontal and flat.



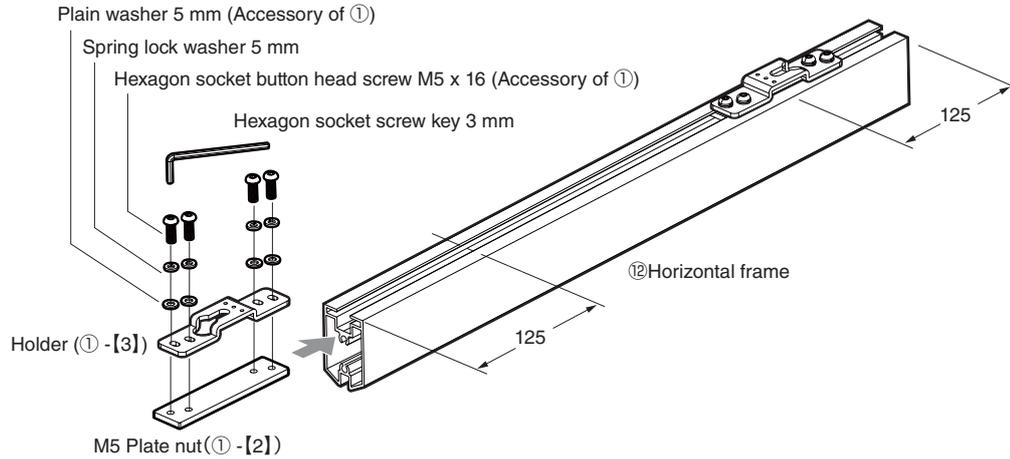
# 9

## Assembling door

### Caution

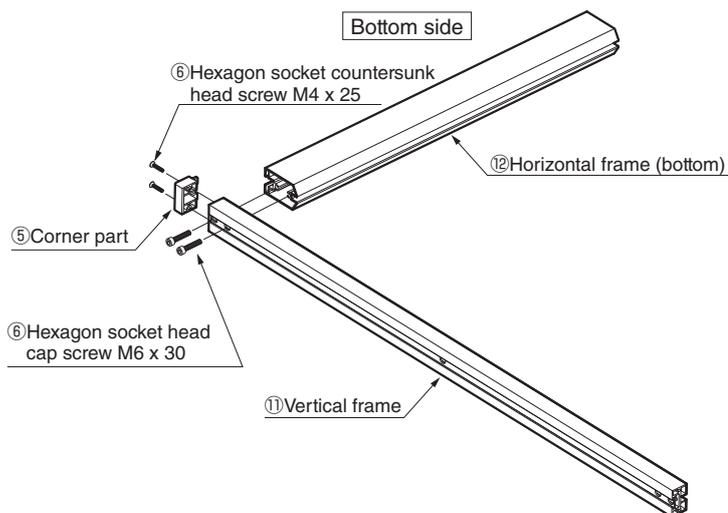
- Coat the screws with adhesive for screws.
- Be careful when installing glass to avoid injury.

### 9-1 Preparation of the Horizontal frame (top) ⑫

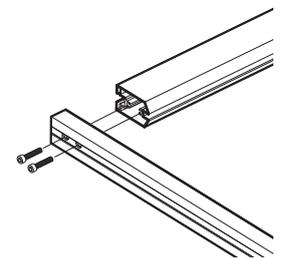


Fix the Holder (① - [3]) to the frame ⑫ using M5 plate nut (① - [2]) .  
 The position of the center of the Holder is 125 mm from the end.

### 9-2 Assembling Vertical frame ⑪ and Horizontal frame (bottom) ⑫

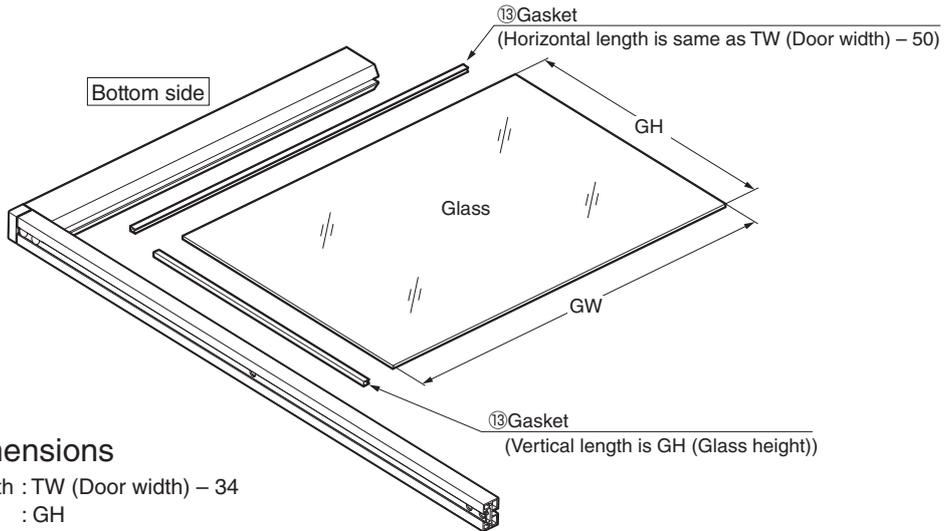


#### When not using Corner parts



Align the end of Vertical frame ⑪ with the bottom of the Horizontal frame ⑫.

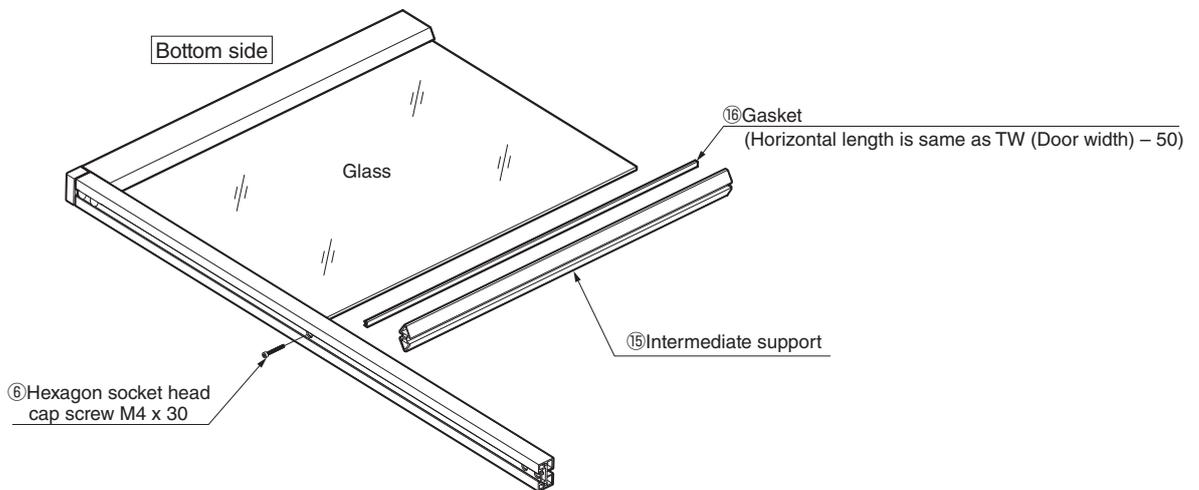
## 9-3 Insertion of glass <Step 1>



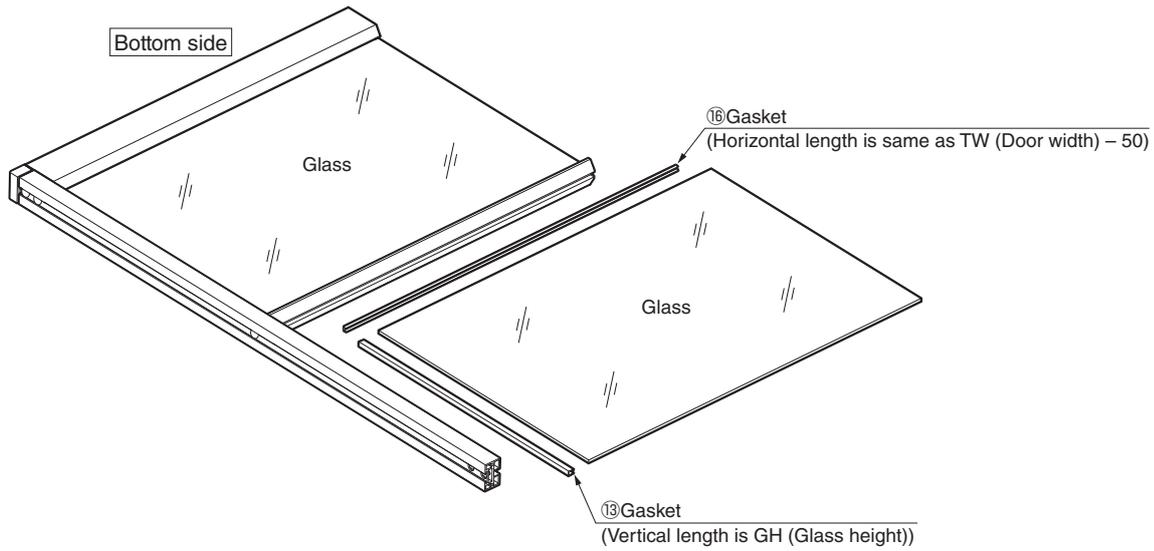
### ■ Glass dimensions

Horizontal length : TW (Door width) – 34  
Vertical length : GH

## 9-4 Assembling Intermediate support ⑮ (option)

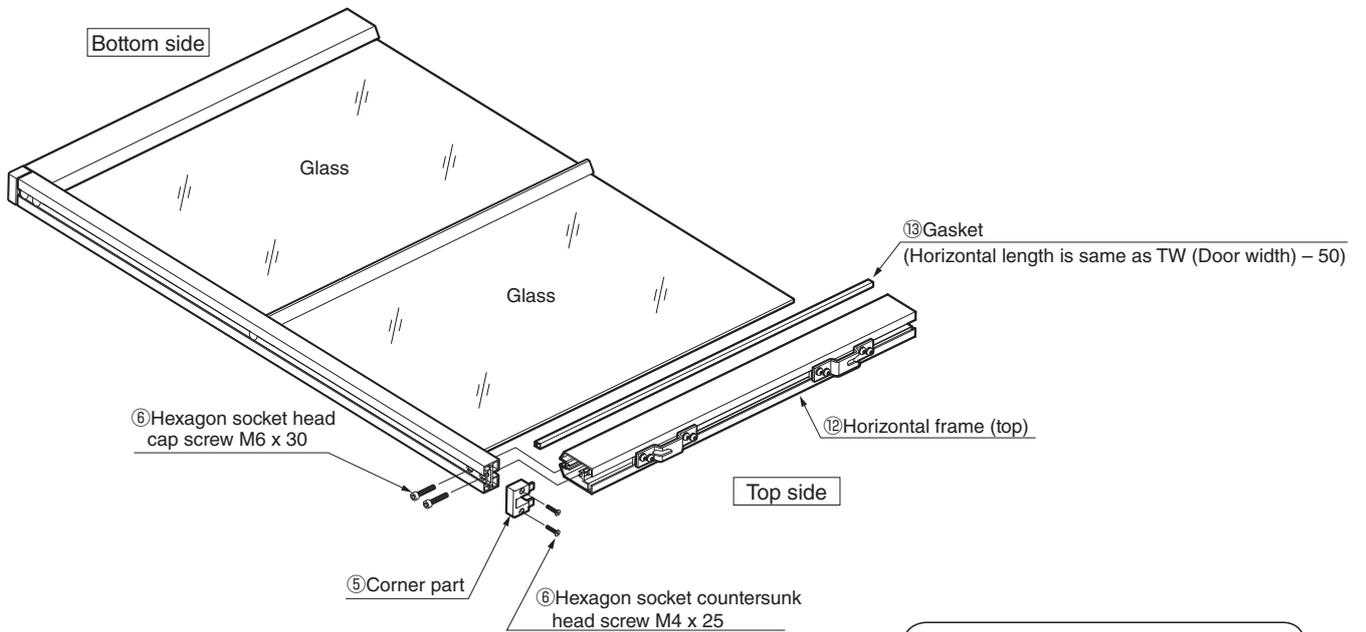


## 9-5 Insertion of glass <Step 2> (option)

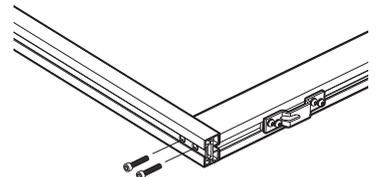


Repeat steps 9-4 to 9-5 to assemble doors with more than 2 Intermediate supports.

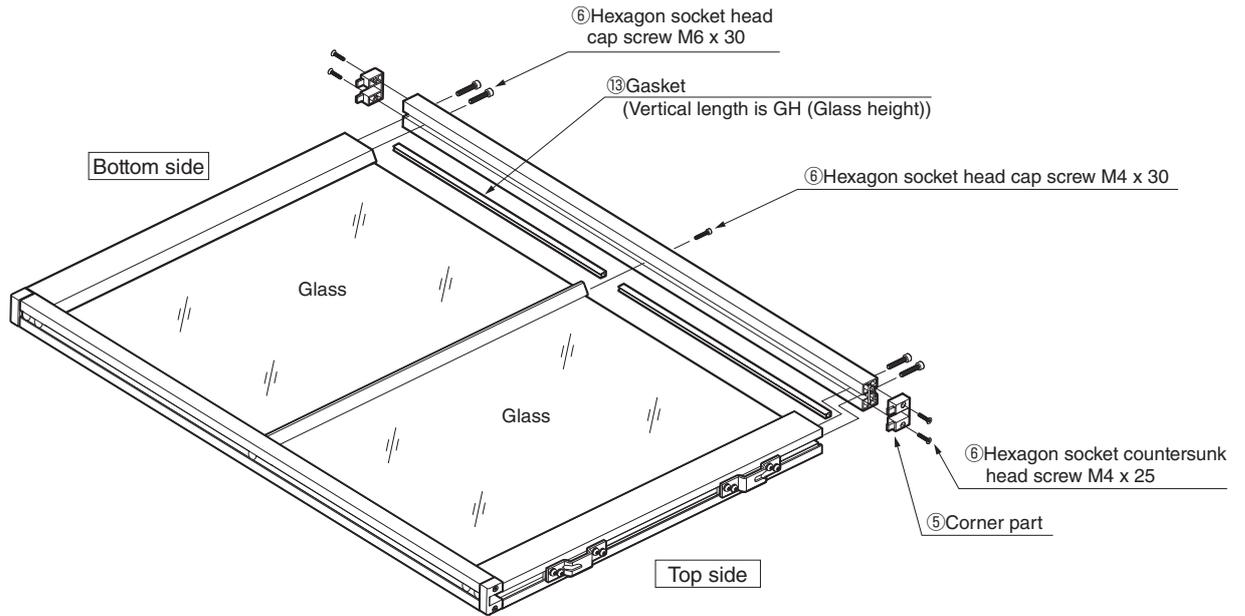
## 9-6 Assembly of Horizontal frame (top) ⑫



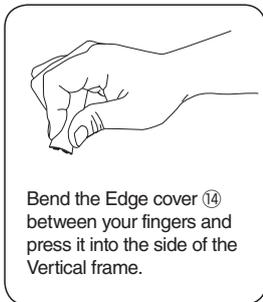
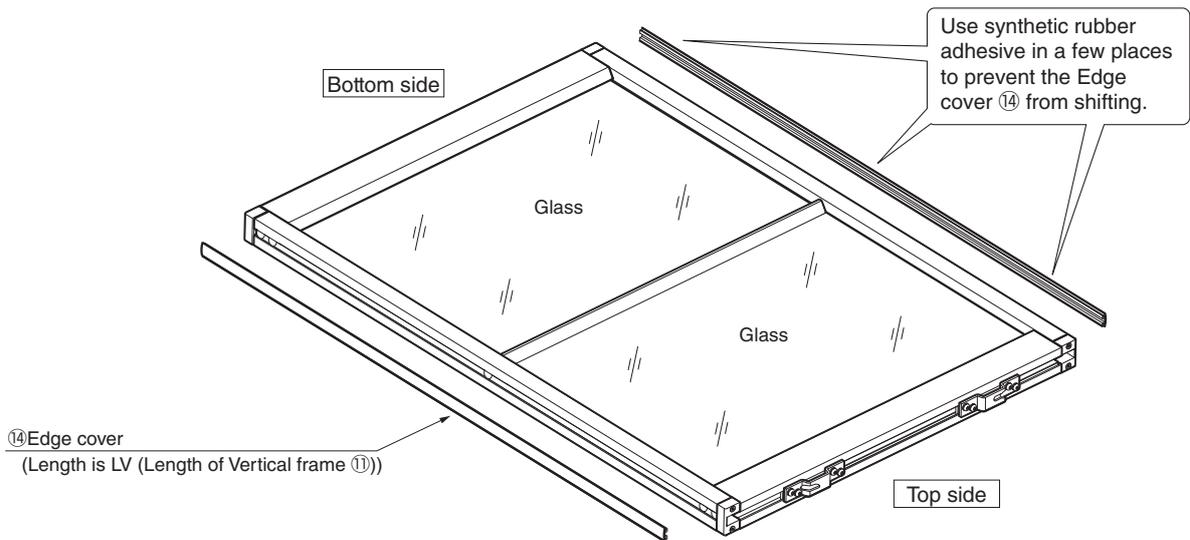
When not using Corner parts



## 9-7 Assembly of vertical frame ⑪



## 9-8 Assembly of Edge covers ⑭



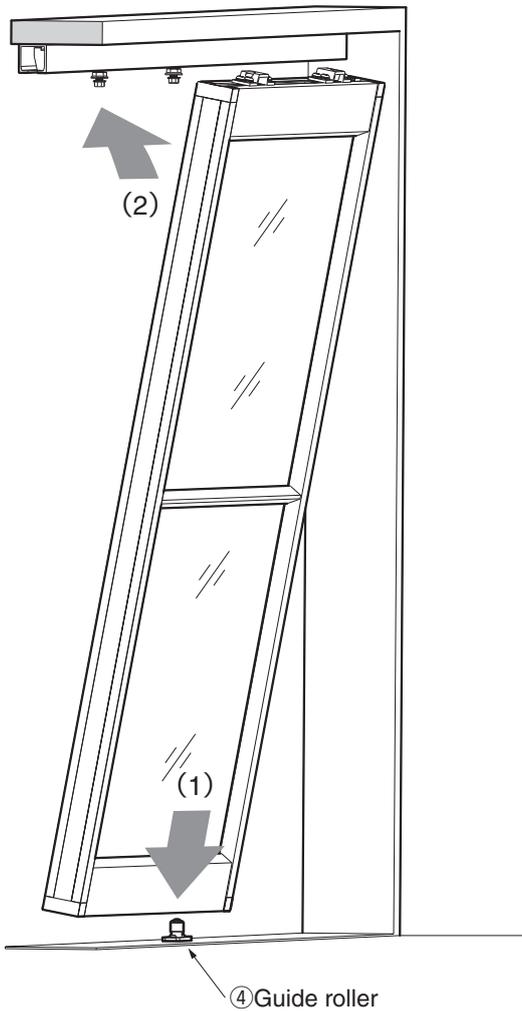
### ⚠ Caution

Before attaching the Edge covers, make sure the frame is not biased or skewed, and that all bolts are tight.  
Make sure the parts are firmly assembled and there is no warping or skewing.

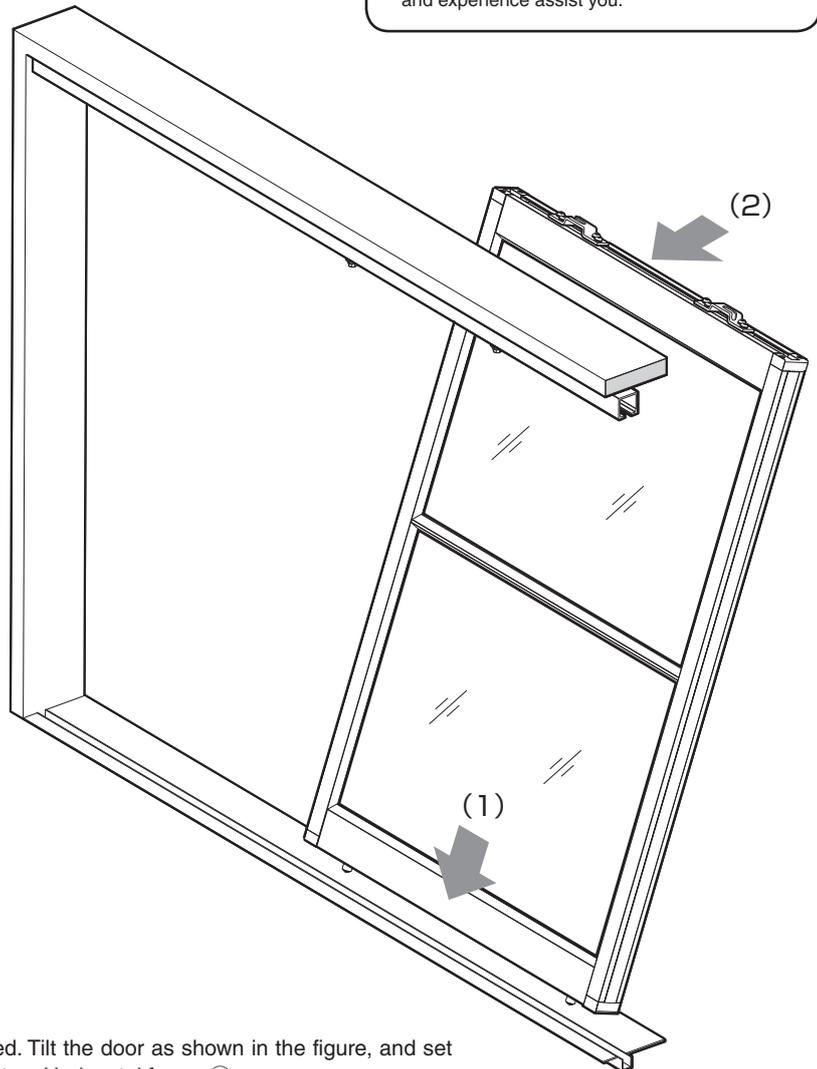
# 10

## Hanging the door

Guide roller model



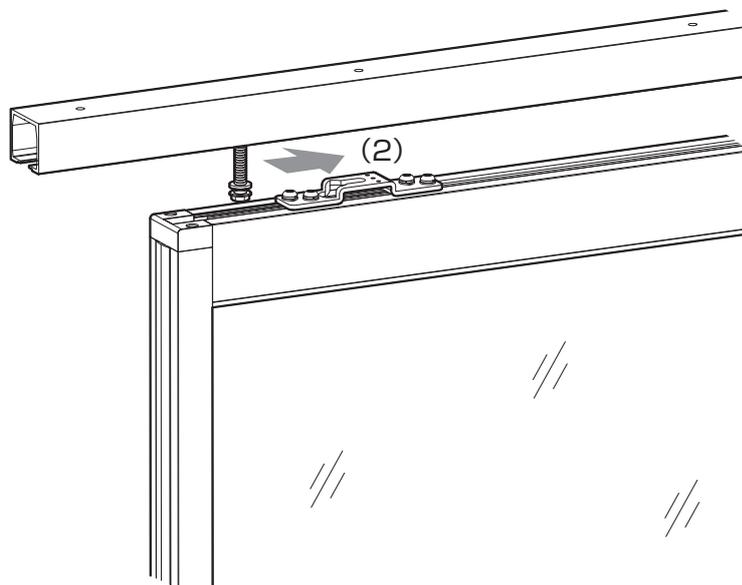
Floor guide track model



### ⚠ Caution

Be sure to have someone with knowledge and experience assist you.

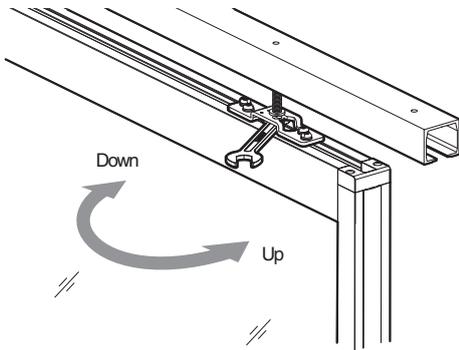
- (1) Put a support below the door to be hung. Tilt the door as shown in the figure, and set the Guide roller ④ to the groove of the bottom Horizontal frame ⑫.
- (2) Push the door and set the hanger bolts (① - [1]) as shown in the figure below.



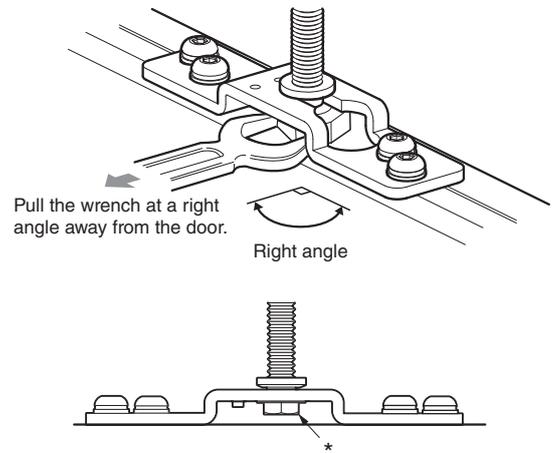
# 11

## Adjustment of door height

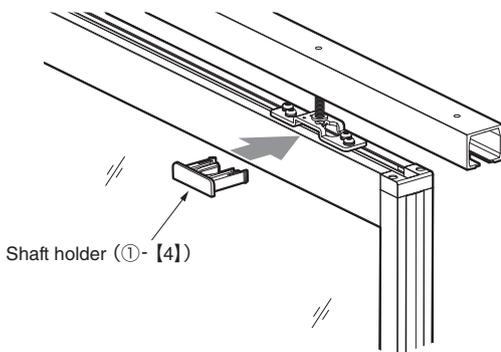
- (1) Remove the support under the door.
- (2) Turn the bolt and adjust the height of the door.  
The allowable vertical adjustment is  $\pm 4$  mm.  
(Tool: nominal 10 mm wrench, max. 6 mm thick)



- (3) After adjusting the door, pull the wrench at a right angle away from the door.  
Make sure the width across flats of the bolt head is as shown in the figure\*.



- (4) Insert the Shaft holder (① - [4]) into the holder securely.

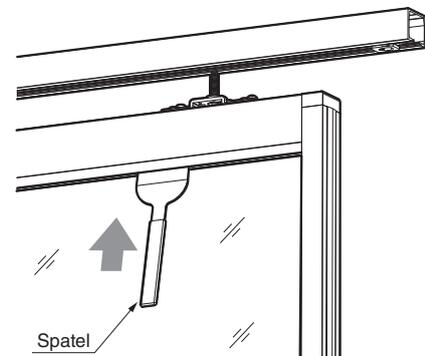
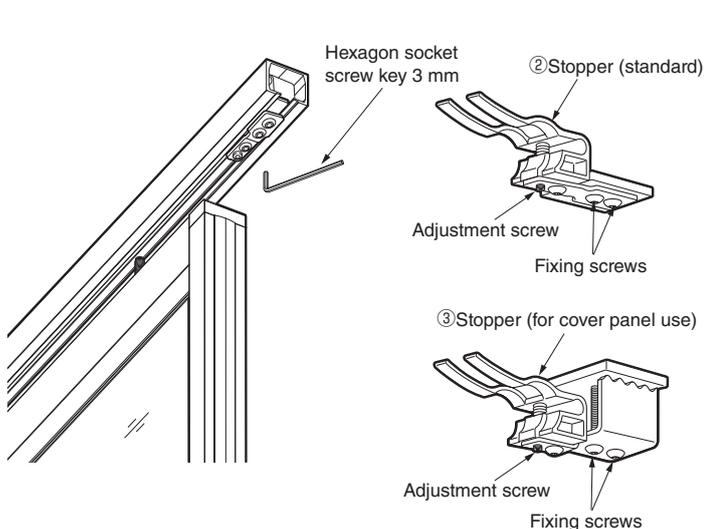


# 12

## Fixing and adjusting of Stopper ② or ③

- (1) Fix the Stopper (② or ③) with Fixing screws to the position where the door touches the Vertical frame.
- (2) Adjust the catching force by turning the adjustment screws on Stopper (② or ③). The catching force is set to maximum at the factory.

You may find the Gasket coming off from the frame. In such case, use a Spatel or something to push it in and be careful not to scratch the glass.

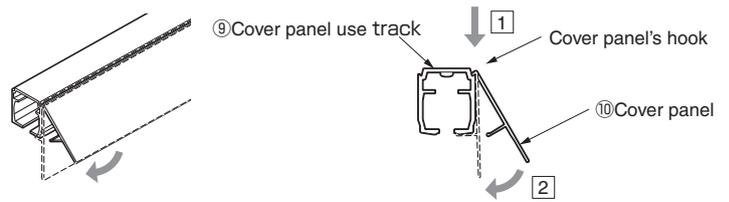


# 13

## Attaching the Cover panel ⑩ (option)

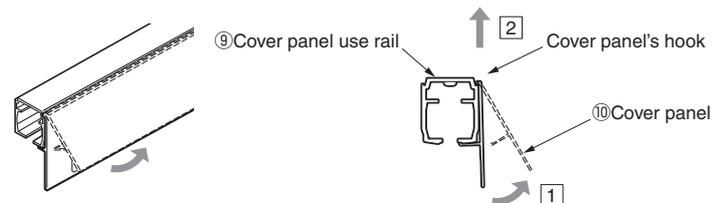
### How to attach

Attach the Cover panel ⑩ to the Cover panel use track ⑨.  
Hook the cover panel's hook on the top edge of the track ( ① )  
and press on the bottom edge of the Cover panel to fit it ( ② ).  
Align the ends of the tracks.



### How to remove

Pull the bottom edge of the Cover panel from the track ( ① ).  
When the bottom of the Cover panel comes off, lift the Cover  
panel's hook up and off the top edge of the track ( ② ).



## PERIODICAL INSPECTION

- Clean inside of track.
- Check upper space and lower space of the door. If necessary, correct the space.

## TROUBLESHOOTING

Trouble	Checkpoint	Solution
Abnormal noise during operation	Check if door touches other parts.	Provide necessary space between door and adjacent objects.
	Check track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
	Check for loose screws retaining the upper track.	Tighten the screw.
Heavy door operation	Check if door bottom contacts with floor.	Confirm that track fixing screws are not loosened. Adjust door height 6 – 13 mm between door bottom and floor.
	Check if door touches adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of floor guide or stopper.
Door does not move.	Check track retaining screws for looseness.	Roller touches with screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset upper track horizontally.

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