

Installation Manual

FD25SP OUTSET SLIDING DOOR SYSTEM

LAMP®

Recessed Mount Roller, Two-Way Soft Close

Part No. FD25SPDHCP-AK

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

- This product is a overlay sliding door system for indoor use.
- The door closes in 2 soft motion steps; first slow, then fast, and opens with 1 step soft motion.
- The door can be installed without the use of tools.

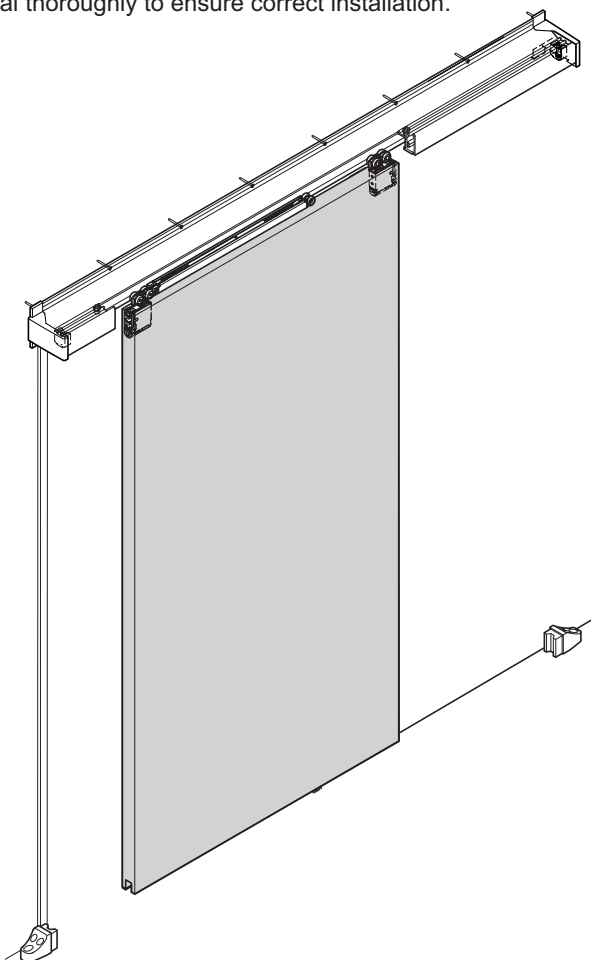
SPECIFICATIONS

Door width	464 - 1000 mm
Door height	Max. 2400 mm
Min. Door thickness	30 - 36 mm
Max. Door weight	25 kg ※ ¹ / door
Vertical adjustment	± 3 mm
Depth adjustment	± 2 mm

• The closing speed of the soft closing type door may change depending on the ambient temperature, operating method or installation quality.

• Recommended ambient temperature range is 5 to 40°C .

※¹ When using a light weight door, you may feel the resistance of the soft closer when opening the door.



FOR YOUR SAFETY AND CORRECT INSTALLATION



Prohibited



Required

WARNING: If not followed, death or serious injury 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.
- Provide a frame 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.








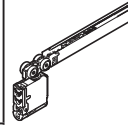
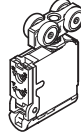


- Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- Do not disassemble or modify any parts other than those described in this document.


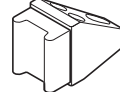

Caution: As well as being slightly injured, Indicates the contents that may cause property damage.


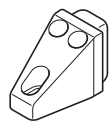


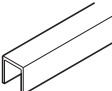



- Follow the specified dimensions, specifications, and alignment of the door and frame. Warping, tilting or twisting of the frame or door may cause failure.
- If cutting any parts, make sure to remove any burrs before installation. Also check the upper track for any left-over burrs or scraps and remove these.
- This product is a part for architectural fittings. 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).
- Install the product with 2 people (in the case of 1 person, there is a risk of damaging components).

COMPONENT PARTS

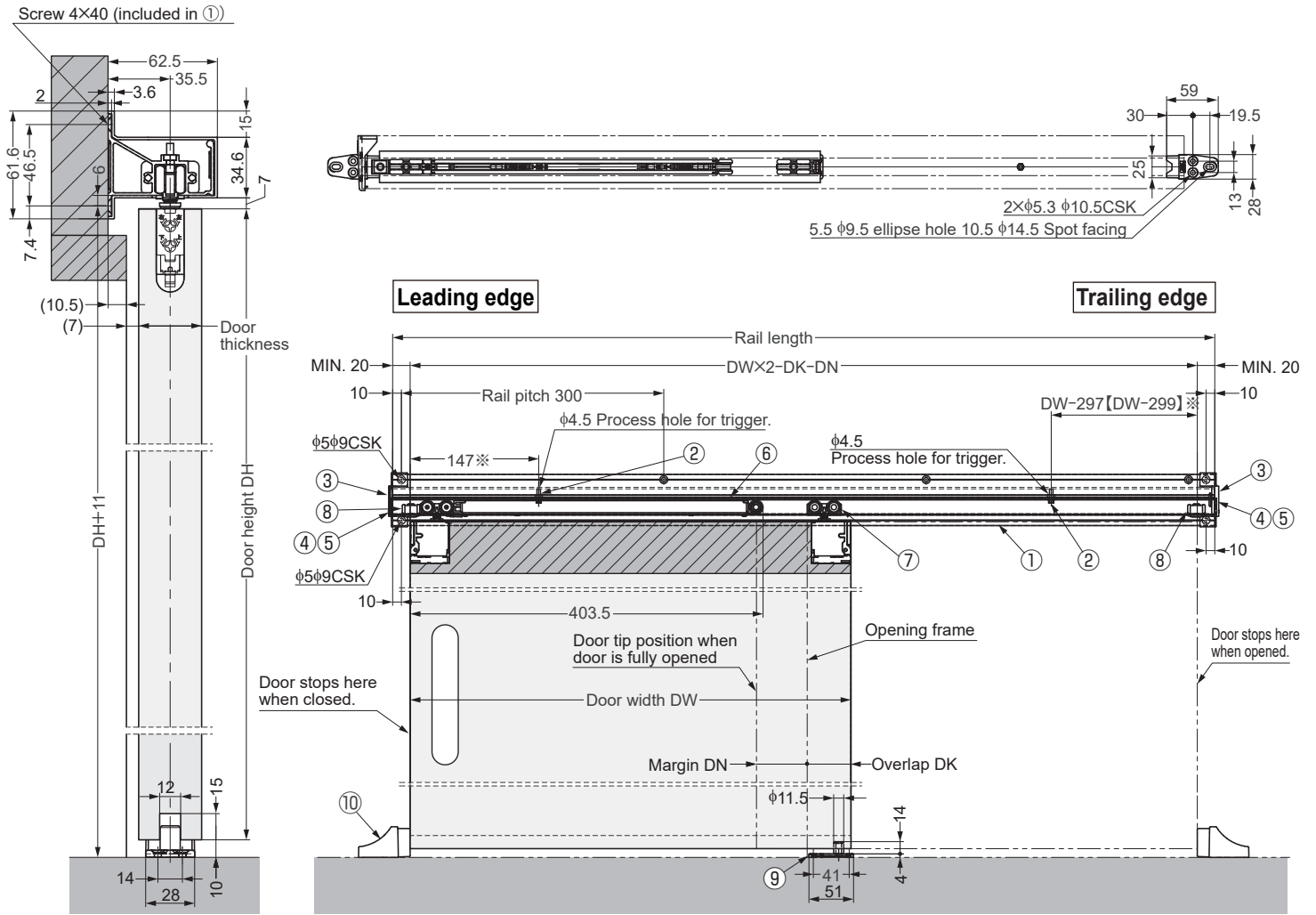
No.	①	②	③	④	⑤	⑥	⑦	⑧
Name	Upper track	Trigger for outset (Includes hex nuts M4)	Side cover	Stopper plate	Screw for stopper plate	Soft closer (two-way)	Upper roller	Bumper Block
Item No.	FD30-TRA	FD25SP-TRGA	FD30-HASC			FD25SP-WRH-DSC	FD25SP-WRH-N	FD30-HBB
Item	2100/2730mm Hole pitch: 300 mm Pitch end: 10 mm  Accessory screw: Countersunk head tapping screw 4x40				Accessory screw: Countersunk head screw 4x25 (D6) 			
Single sliding 	1 pc	2 / set	Screws for stopper plate are attached to ③ above. (2 pcs/set)			Accessory: Pan head tapping screw 3.5x30 · · · 3 pcs	Accessory: Pan head tapping screw 3.5x30 · · · 3 pcs	
			1 ea. (L/R)	2 pcs	4 pcs	1 pc	1 pc	2 pcs

No.	⑨	⑩
Name	Floor guide (With rollers)	Door stopper (floor)
Item No.	FD30-HBG	FD30-HTKY
Item	 Accessory: Countersunk head tapping screw 3.5x30 · · · · · 4 pcs	 Included: Cross-recessed binding Tapping screw 4x30 · · · · · 3 pcs
Single sliding 	1 pc	2 pcs

Accessories	No.	⑪	⑫	⑬	⑭	⑮
	Name	Cover cap	Door stopper metal	Guide roller set for wall	Lower guide (Single side)	Embedded Lower Guide Rail
	Item No.	FD25SP-WRH-CP	FD30-HTK	FD30-HBGK	FD30-HGS	FD30-HBRT
Item		Accessory screw: Bind head tapping screw 3.5x25 · · · · · 3pcs	 Accessory screw: Countersunk head tapping screw 3.5x 30 · · · · · 3pcs	 Accessory screw: Pan head tapping screw 3.5x30 · · · · · 1pc Countersunk head tapping screw 3.5x30 · · · · · 1pc		

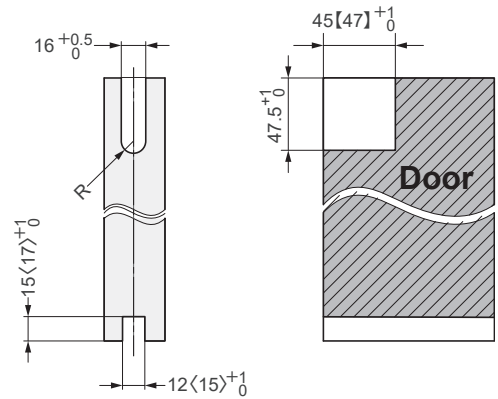
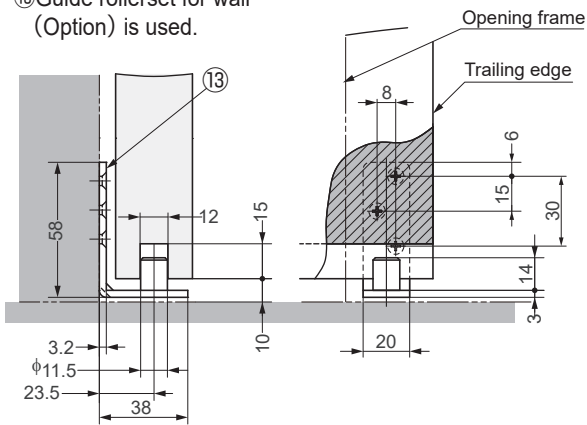
Accessories	⑯
	Spanner
	FD25SP-SP
Item	

INSTALLATION DRAWING (EXAMPLE) If the left and right sides of the door are opposite to this picture, please reverse the trigger mounting hole from side to side.



※ If the left and right sides of the door are opposite to this picture, please reverse the trigger mounting hole from side to side.

⑬ Guide rollerset for wall (Option) is used.



【 】 When using ⑪ Cover cap (Option)

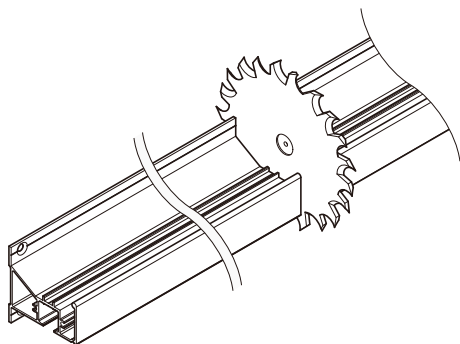
< > When using ⑮ Embedded Lower Guide Rail (Option)

INSTALLATION PROCEDURE (This manual explains assembly of single side sliding door system.)

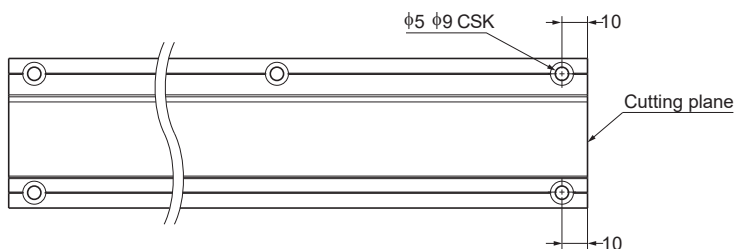
1 PREPARATION AND INSTALLATION

1. Cutting the rail

Cut to required length (refer to "Installation Drawing")

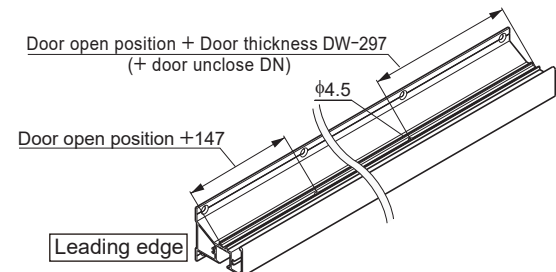
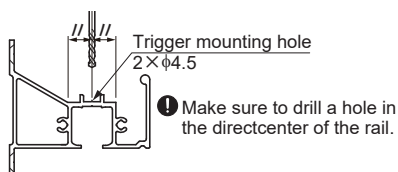


2. Hole processing



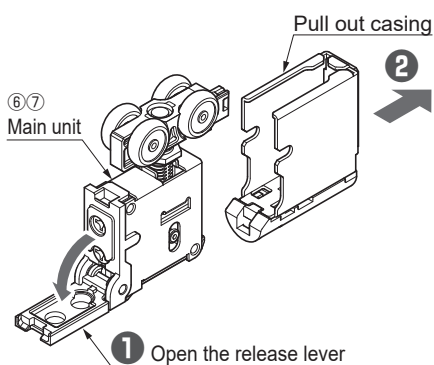
3. Processing holes for trigger

Confirm door close/open position and distance from rail end at open position, referring "Installation Drawing", provide two 4.5mm dia. holes.

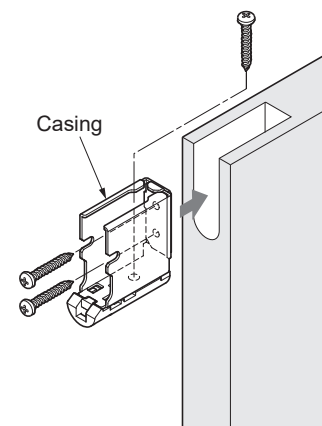


⚠ Trigger mount hole must be done, taking care direction of door (door head side and door tail side)

4. Preparation of mounting parts



5. Installing casing

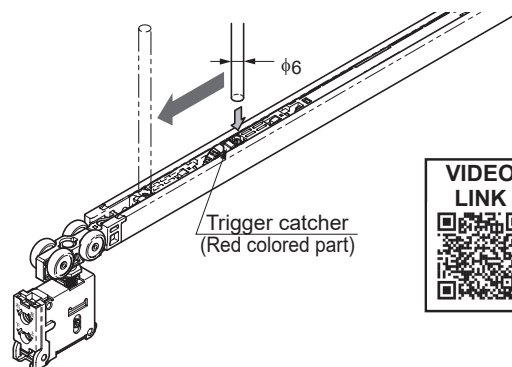
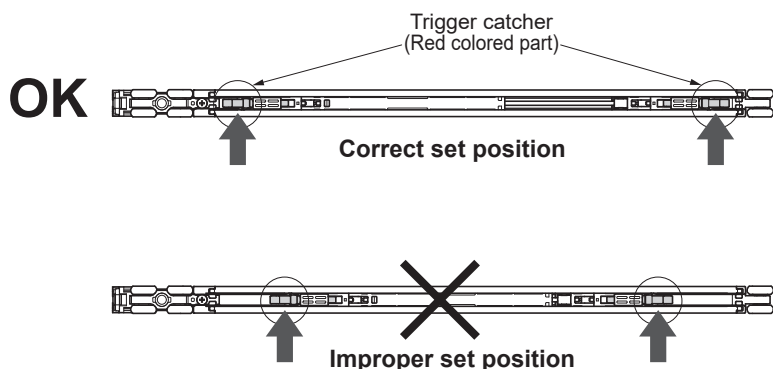


6. Verification Before Installing Soft Closer

⚠ Caution

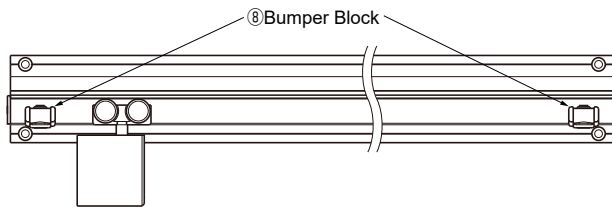
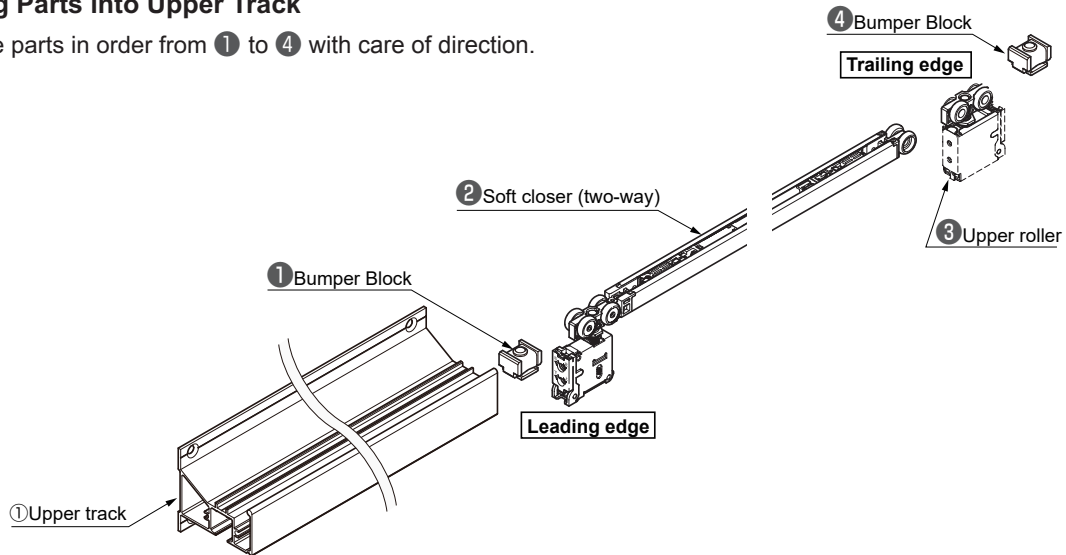
Without verification the self closing feature may fail.

If the trigger position is wrong, pull back the trigger catcher to the correct position using a 6 mm diameter round bar.



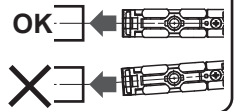
7. Inserting Parts into Upper Track

Insert the parts in order from ① to ④ with care of direction.



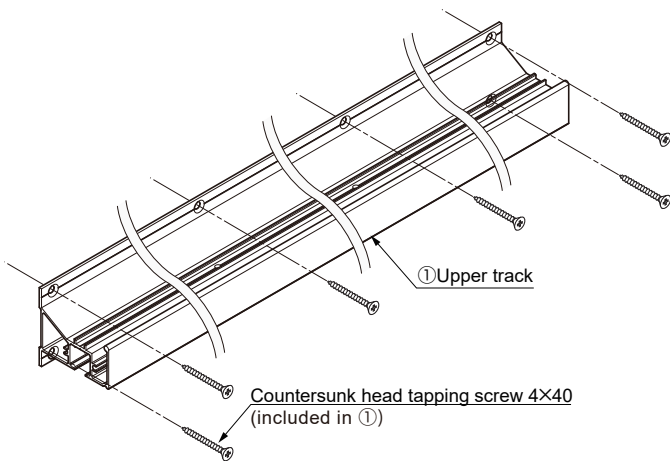
⚠ Caution

- ❗ Remove any dirt or aluminum chips from the track.
- ❗ Fasten bumper blocks temporarily to prevent the inserted parts from falling.
- ❗ Do not insert closer into the rail at an angle or it will not function properly.

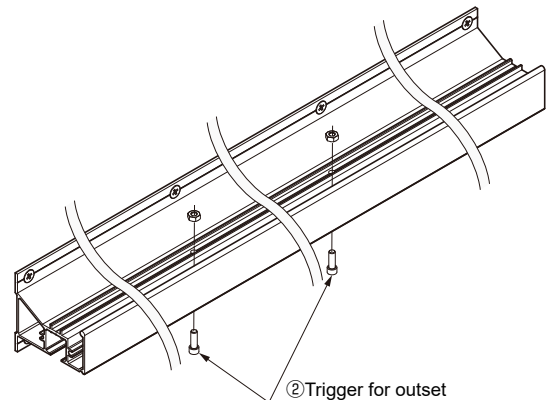
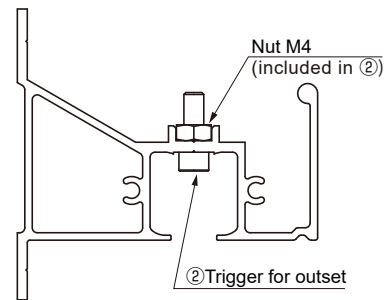


8. Mounting of Upper Track

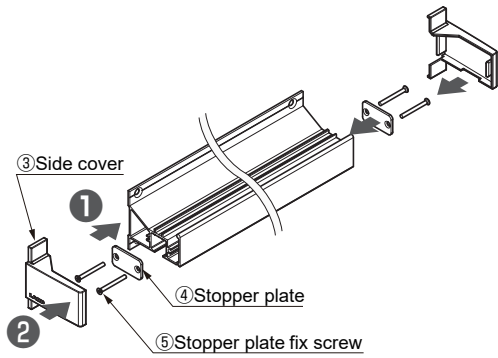
⚠ Before fixing door, confirm that it is set horizontally.



9. Installation of trigger

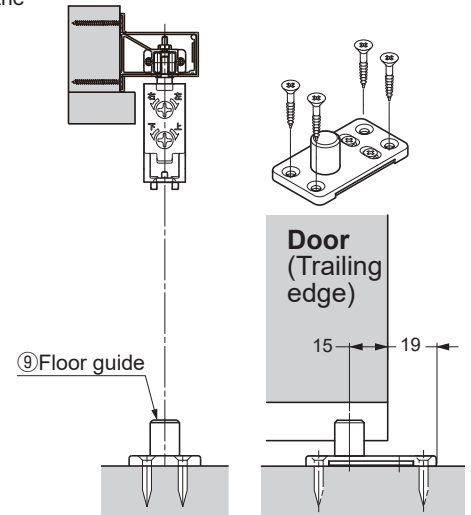


10. Installation of side cover



11. Mounting of Floor Guide

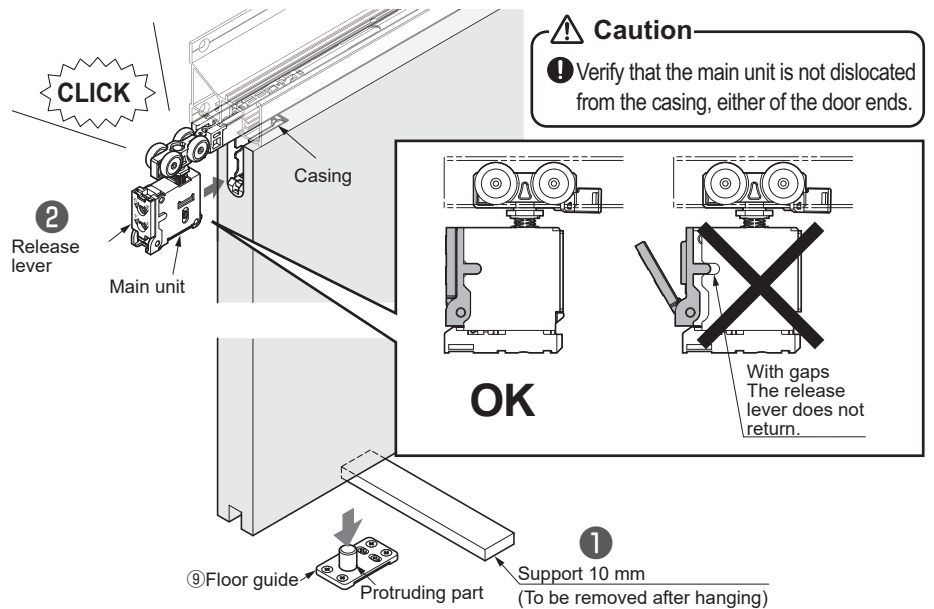
Position the floor guide below the center of the upper track, so that it is covered by the door when it is opened and closed.



2 Hanging door

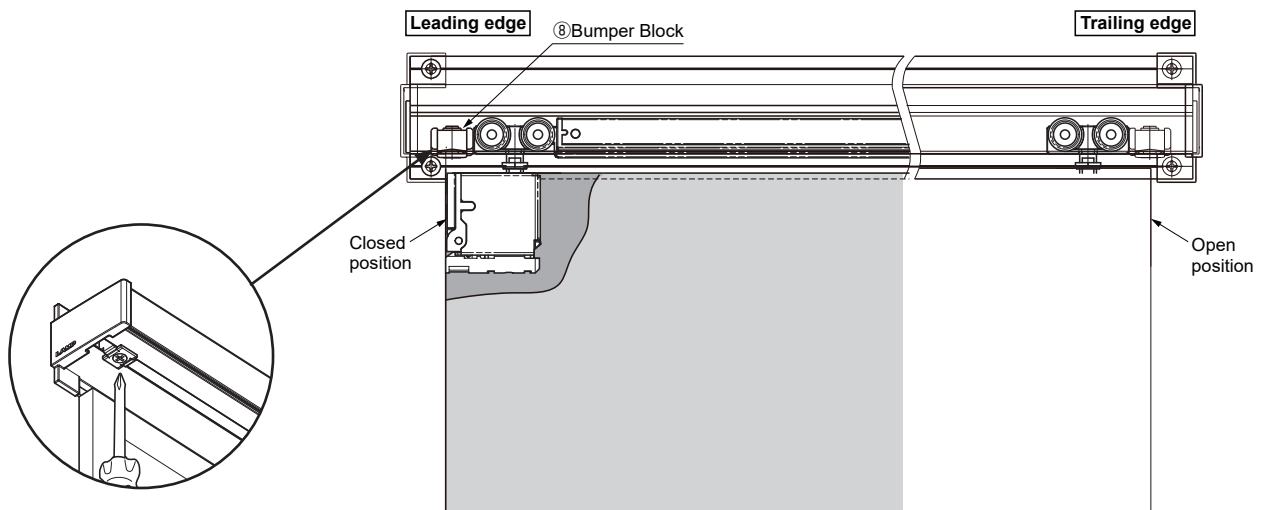
1. Door installation

- ① Place a 10 mm support under the door. While holding the door, place the groove under the door on the protruding part of the floor guide.
- ② Insert the upper roller until it clicks.
- ③ Verification of Soft Closer Operation
 - Starting point of soft - motion. Approx. 60 mm before the stop position.



2. Fastening of Bumper Block

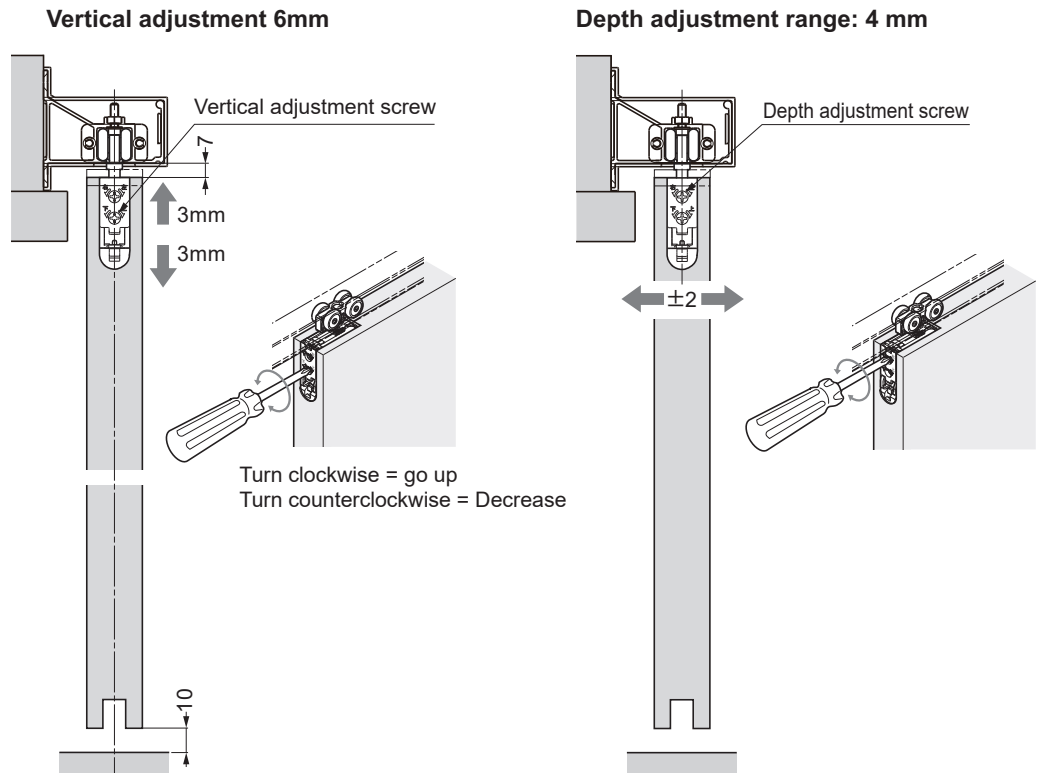
Adjust position of bumper block in the rail such that door stops at correct positions.



3. Adjusting the Door Position

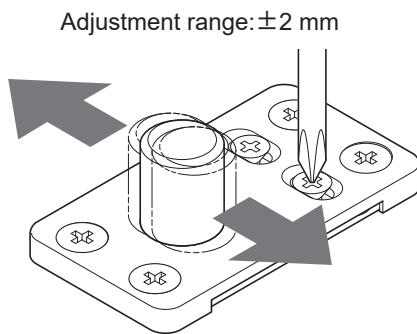
Adjust the door parallel to the upper track with 10 mm of clearance between the door and floor.

⚠ Do not turn adjustment screw more than adjustment range.



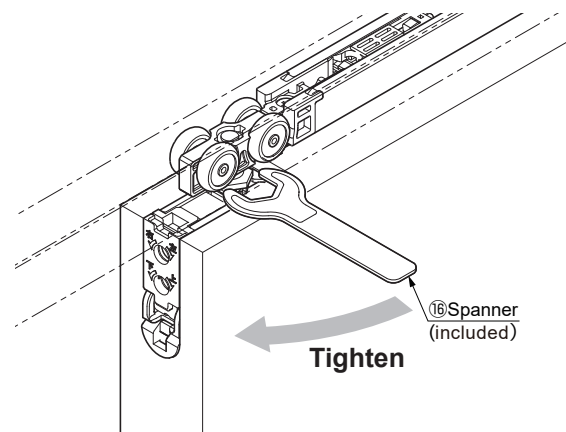
4. Adjusting the floor guide

Slowly open and close the door, then, adjust the floor guide so that its interference with the groove under the door is minimized.



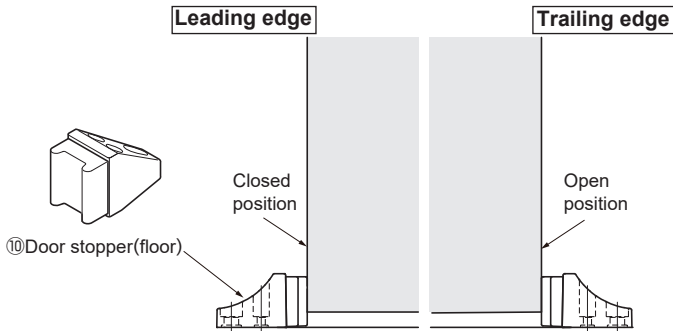
5. Fastening the Jump Prevention Nut

The jump prevention nut is on the hanger bolt of the upper roller. Tighten the nut with the provided spanner wrench until it contacts the soft closer.



6. Mounting of door stopper (floor)

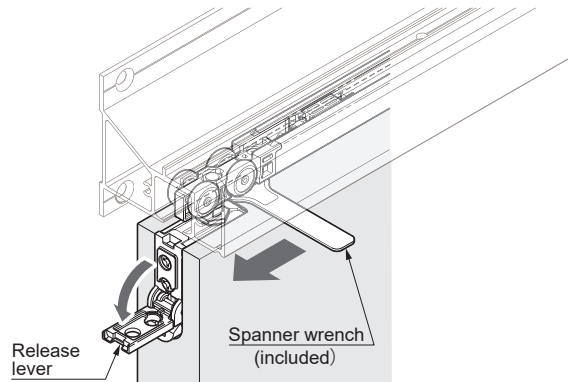
Fasten door stoppers at the positions where the door stops.



How to remove door

- Use a 10 mm support under the door.
- Then pull out the upper roller main unit from the door while down the lever. If it is difficult to install or detach the roller, loosen the nut as shown in the illustration.
- It will be easier if you slide the hanger bolt with a spanner wrench.

⚠ Be careful not to let the door fall.



Final confirmation Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

PERIODICAL INSPECTION

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

TROUBLESHOOTING

Trouble	Checkpoint	Solution
Door stops during soft closing.	Check if door bottom contacts the floor or floor guide.	Verify that track mounting screws are not loosened. Then, adjust door height such that the clearance between the door bottom and floor is 10 mm.
The door doesn't close softly.	Check if door stops before door stopper.	Close the door completely. This will reset the function.
	Check if trigger is installed.	Install trigger to specified position.
	Check if door is closed by excessive force.	Do not close door by excessive force as it may damage the soft closer.
Abnormal noise during operation	Check if door bottom contacts the floor or floor guide.	Correct door position to avoid contact to other objects. Adjust position of lower guide or stopper.
	Check inside of rail for foreign matter or aluminum dust.	Remove dust or foreign matter.
	Check track rollers for aluminum dust.	Remove the track, then pull out and clean the roller.
	Check the track mounting screws for looseness.	Retighten the screws to free the roller.
Heavy door operation	Check if door touches adjacent parts.	Adjust the door depth position to avoid contact with other objects or adjust the position of floor guide.
	Check if door is warped.	Use the door without warp.
Door starts to move.	Check if the upper rail is set horizontally.	Using a level gauge, reset upper rail horizontally.

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