

LAMP® FD30EX SLIDING DOOR SYSTEM Installation Manual

(Outset Type with Two-way soft close)

Part No : FD30EXDHCP-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

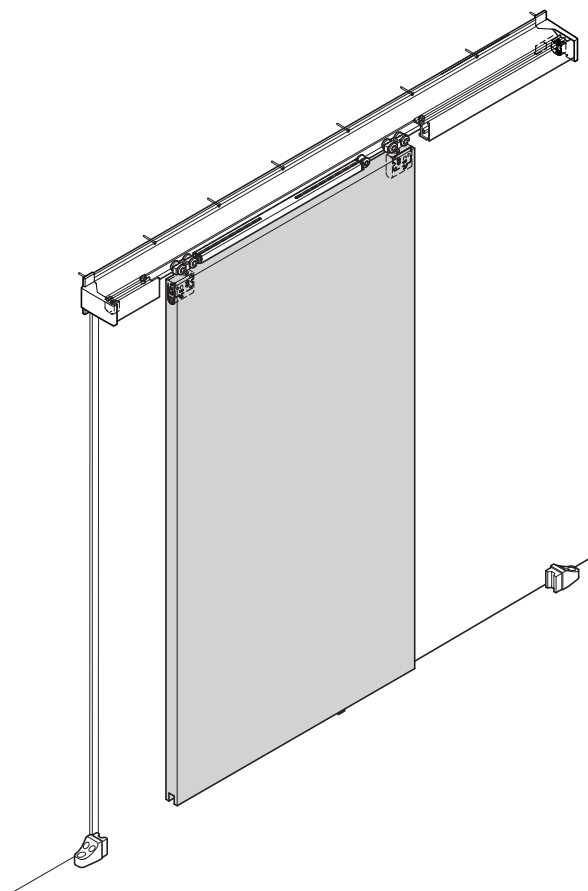
- This product is a overlay sliding door system for indoor use.
- The door closes in 2 soft motion steps; first slow, then fast, and opens with 1 step soft motion.
- The door can be installed without the use of tools.

SPECIFICATIONS

Door height	Max. 2400 mm
Door width	590 – 1000 mm
Min. Door thickness	30 – 36 mm
Max. Door weight	30 kg ※ ¹
Height adjustment range	3mm upward, 4 mm downward
Adjustable height range	± 2 mm

- The closing speed of the soft closing type door may change due to ambient temperature, operating method or installation quality.
- Recommended ambient temperature range is 5 to 40°C.

※¹If a light weight door is applied, you may feel the resistance of the soft closer when opening the door.



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

 Warning Caution	 Prohibited	 Required
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



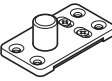

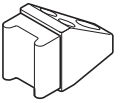

WARNING: If not followed, death or serious injury may result.





- ❗ 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.

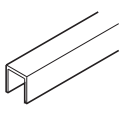

Caution: If not followed, injury or damage may result.

- ❗ 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).

COMPONENT PARTS

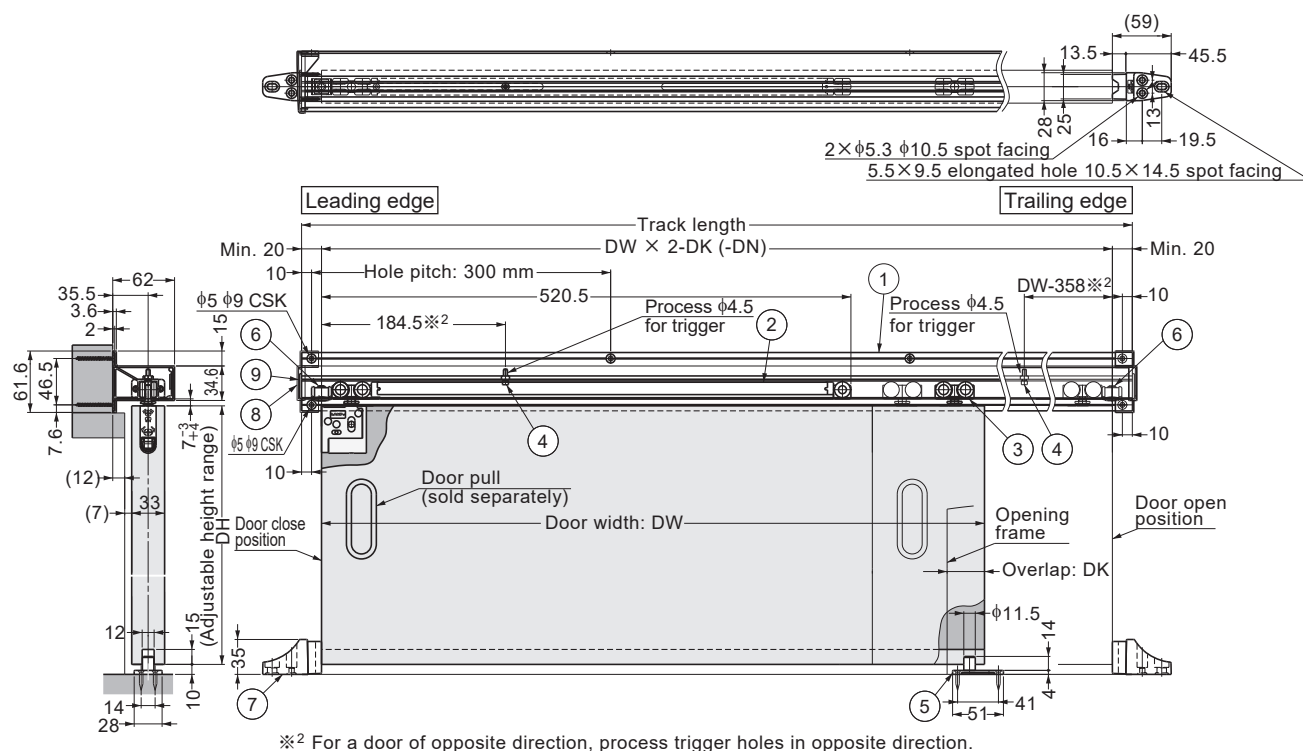
No.	①	②	③	④	⑤	⑥	⑦
Name	Upper track	Soft closer (two-way)	Upper roller	Trigger (with nit)	Floor guide	Bumper block	Door stopper (floor)
Item No.	FD30-TRA	FD30EX-WRH-DSC	FD30-WRH-N	FD30-HATG	FD30-HBG	FD30-HBB	FD30-HTKY
Item	2100/2730mm Hole pitch: 300 mm Pitch end: 10 mm  Accessory screw: Countersunk head tapping screw 4×40	 Accessory screw: Pan head tapping screw 3.5×30.....3 pcs	 Accessory screw: Pan head tapping screw 3.5×30.....3 pcs		 Accessory screw: Countersunk head tapping screw 3.5×30.....4 pcs		 Accessory screw: Bind head tapping screw 4×30.....3 pcs
Single sliding	 1 pc	1 pc	1 pc	2 pcs/set	1 pc	2 pcs	2 pcs

No.	⑧	⑨	⑩
Name	Side cover	Stopper plate	Screw for stopper plate
Item No.	FD30-HASC		
Item			 Accessory screw: Countersunk head screw 4×25 (D6) Screws for stopper plate are attached to ⑧ above. (2 pcs/set)
Single sliding	 1 ea. (L/R)	2 pcs	4 pcs

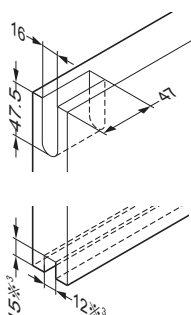
No.	⑪
Name	Door guide track
Item No.	FD30-HBRT
Item	
Single sliding	 1 pc

ACCESSORY:
SPANNER FD30-FSP

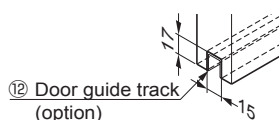
INSTALLATION DRAWING (EXAMPLE)



Door process dimensions



※³ When using door guide track



INSTALLATION PROCEDURE

1 Cutting and Hole Drilling on Upper Track

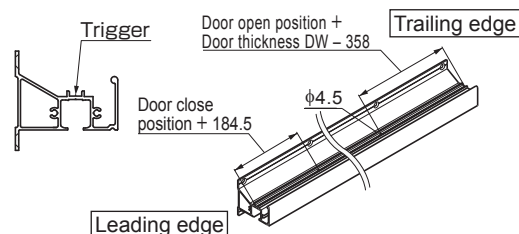
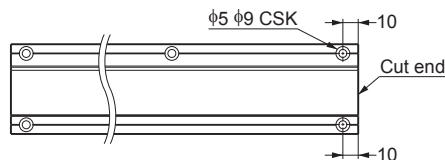
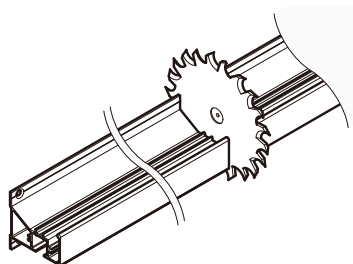
Cutting

Hole processing

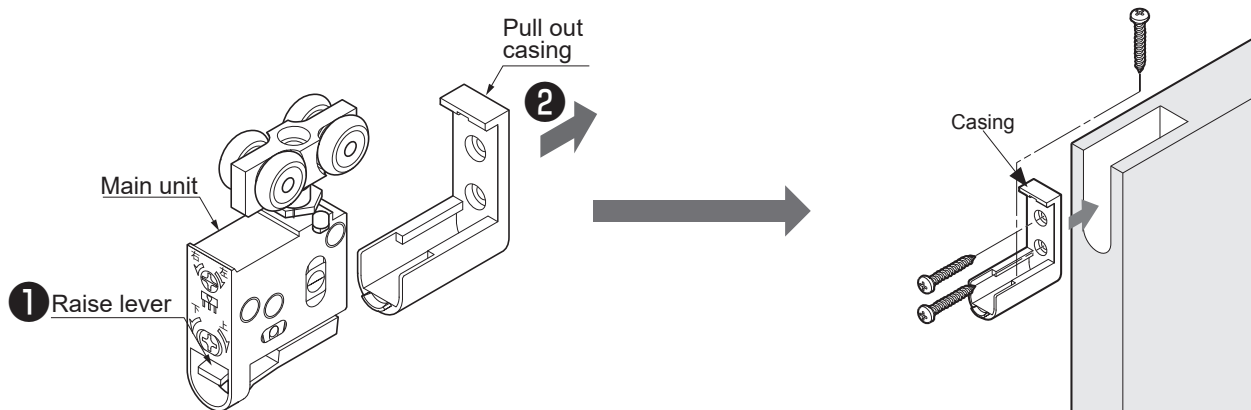
Processing holes for trigger

Caution

Take care of the direction of upper track (leading edge, trailing edge).



2 Mounting Parts on Door



3 Verification Before Installing Soft Closer

Caution

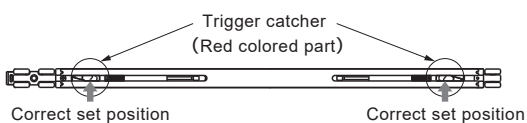
Without verification the self closing feature may fail.

VIDEO
LINK

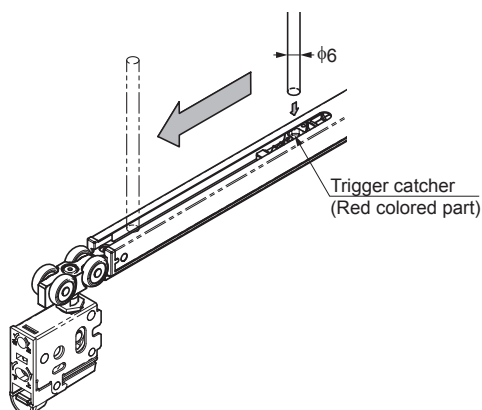
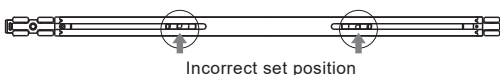


If the trigger position is wrong, pull back the trigger catcher to the correct position using a 6mm diameter round bar.

OK



✗



4 Inserting Parts into Upper Track

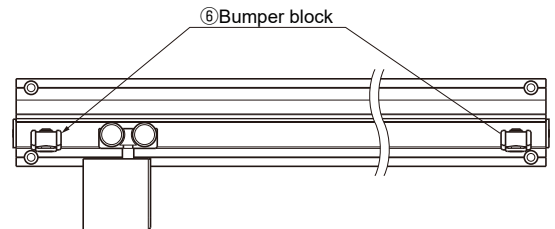
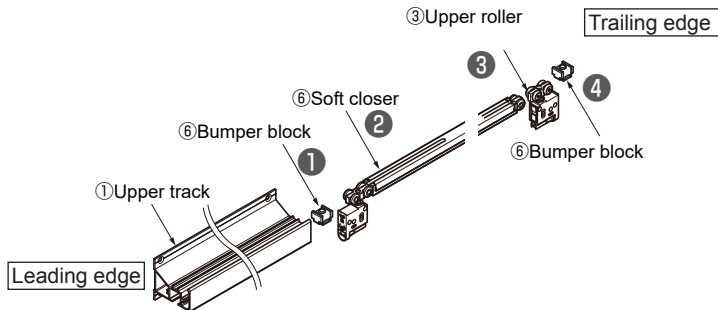
Insert the parts in order from ❶ to ❹ with care of direction.

⚠ Caution

Remove any dirt or aluminum chips from the track.

⚠ Caution

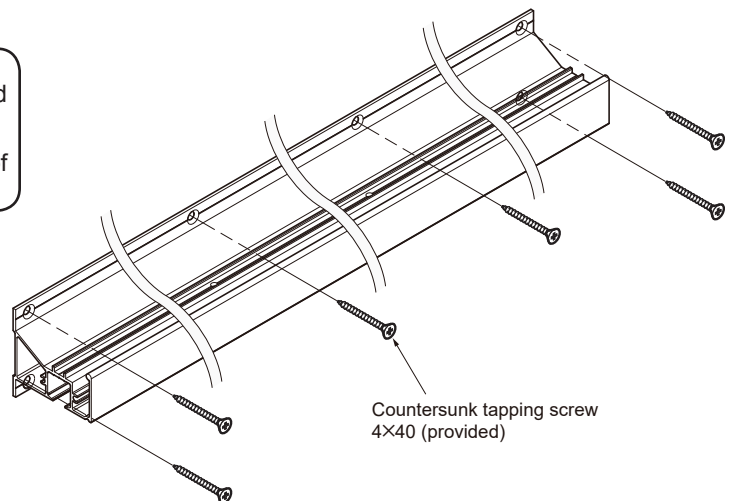
Fasten bumper blocks temporarily to prevent the inserted parts from falling.



5 Mounting of Upper Track

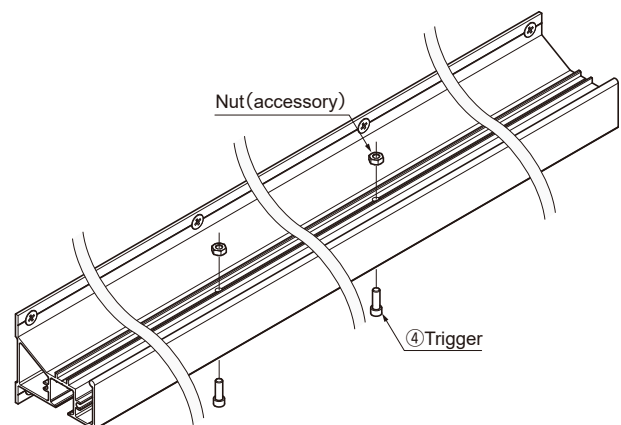
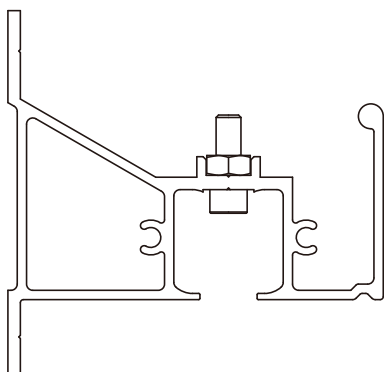
⚠ Caution

- ❗ Be careful not to overtighten the screws and screw heads protruding on upper track.
- ⚠ It may cause deformation of track or damage of soft closer.

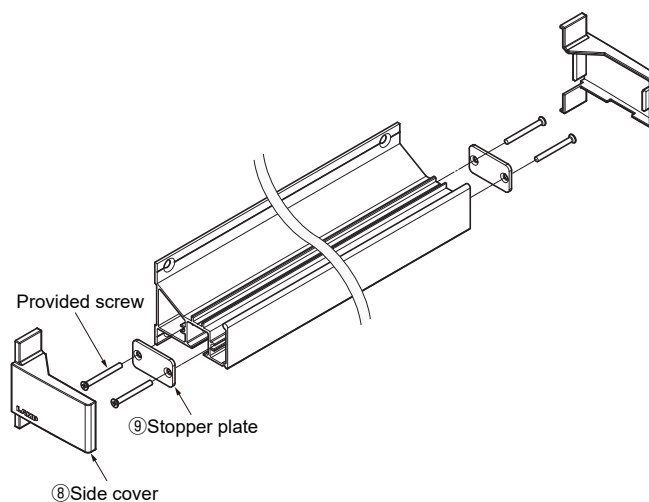


6 Fastening of Trigger

Fasten triggers to the hole made during procedure 1 with the provided nuts.



7 Assembly of Side Cover

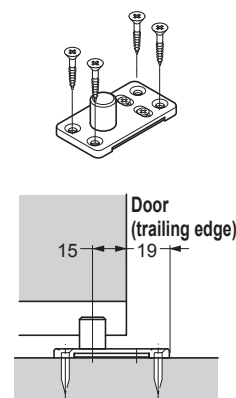
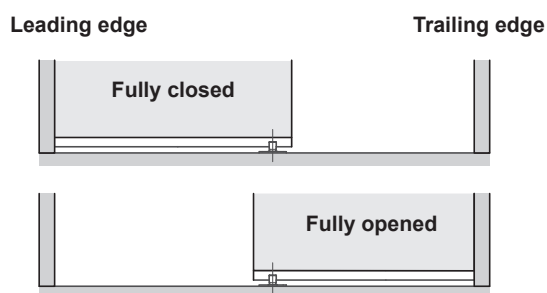
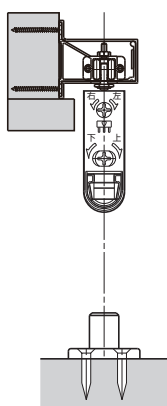


8 Mounting of Floor Guide

Position floor guide just below the center of the upper track.

Position the floor guide so that its protruding part stays under the door when it is opened or closed.

Fasten the four countersunk holes with provided screws.

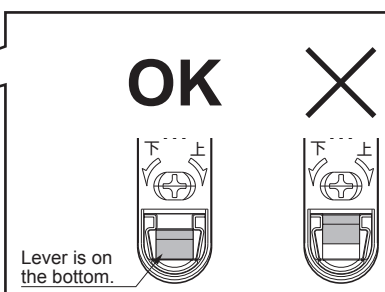
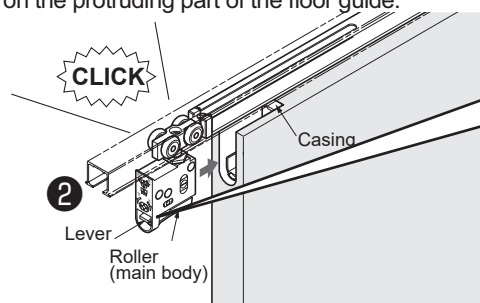


9 Hanging Door

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.

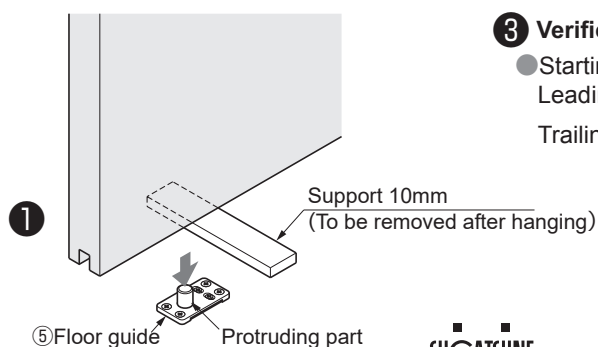
Caution

Verify that the main unit is not dislocated from the casing, for either of the door ends.



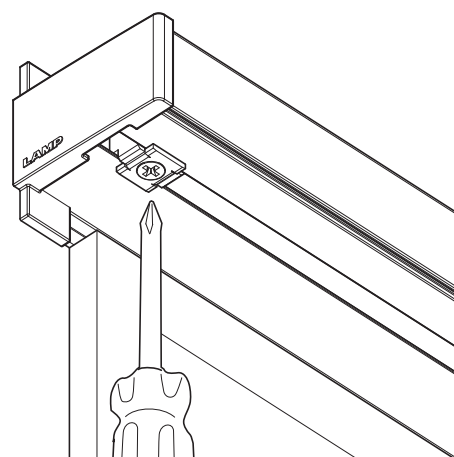
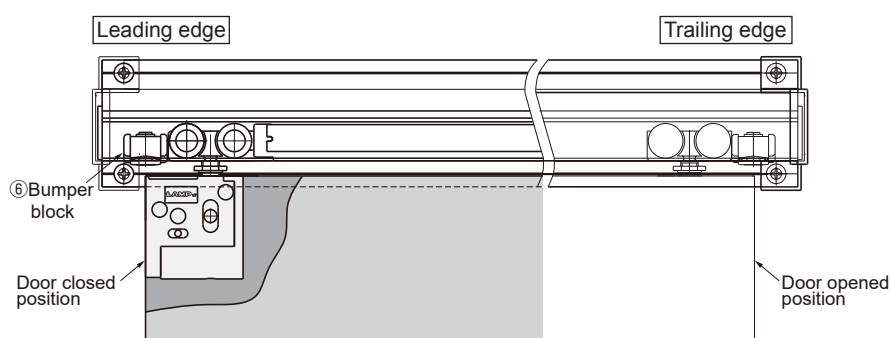
3 Verification of Soft Closer Operation

- Starting point of soft - close.
Leading edge : approx 100mm before closed position.
Trailing edge : approx 50mm before closed position.



10 Fastening of Bumper Block

Adjust position of bumper block in the track such that the door stops at the correct positions for both ends.

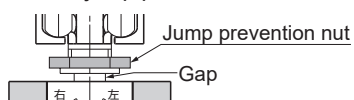


11 Adjusting the Door Position

Adjust the door parallel to the upper track with 6-13 mm of clearance between the door and floor.

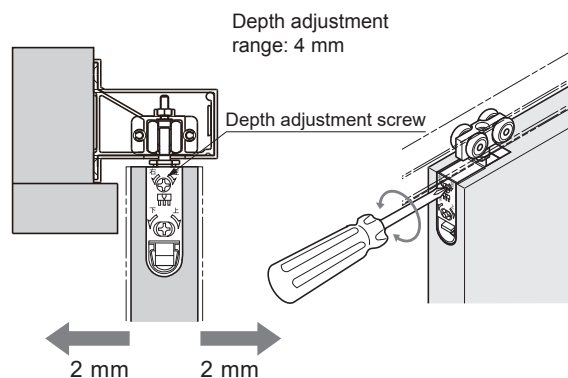
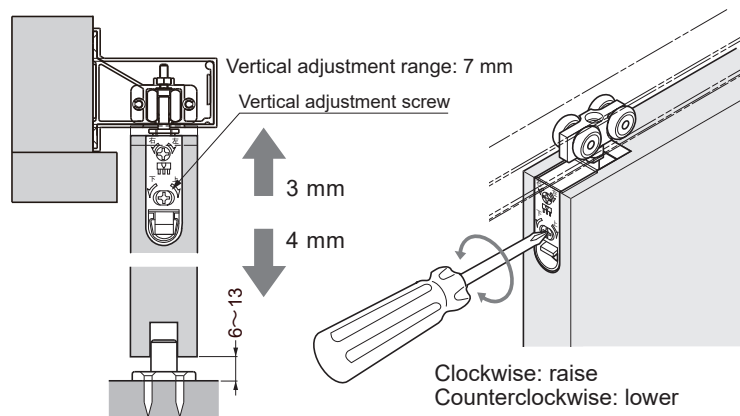
Caution

- ❗ The adjustment of the door should be done with the jump prevention nut loosened.



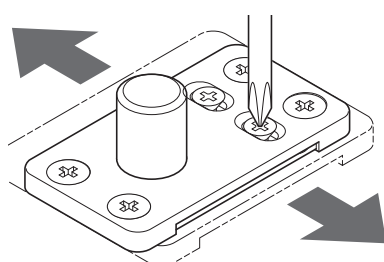
- ⊘ Do not turn adjustment screw beyond adjustment range.

- ⊘ Do not use electric screw driver.



12 Adjusting the floor guide

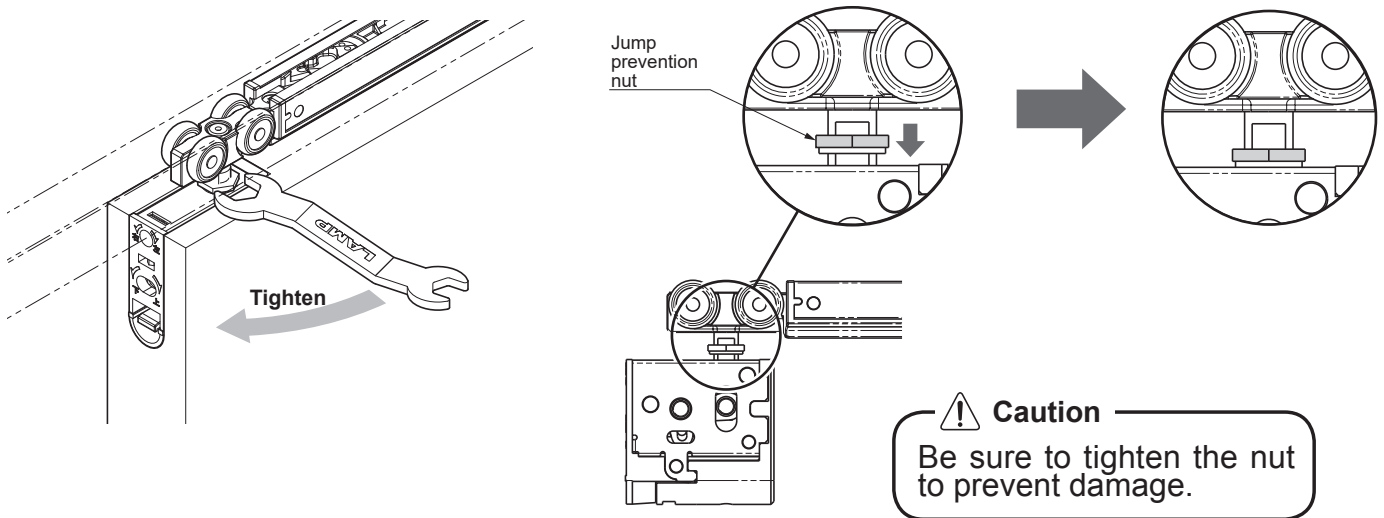
If the door movement is not smooth, remove the door, then adjust the floor guide forwards or backwards.



Adjustment range : $\pm 2\text{mm}$

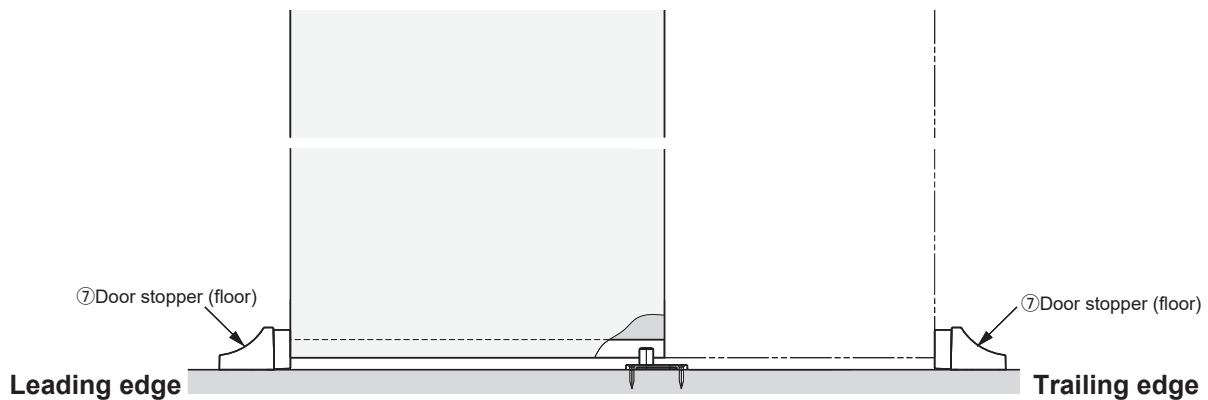
13 Fastening the Jump Prevention Nut

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



14 Mounting of door stopper (floor)

Fasten door stoppers at the positions where the door stops.



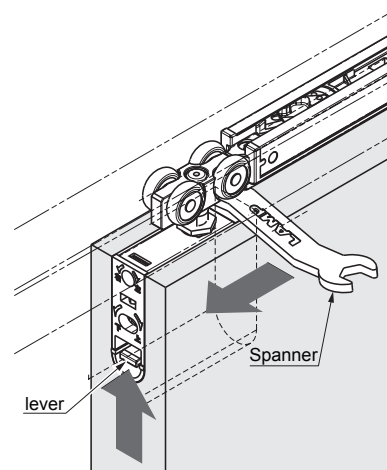
APPENDIX How to remove door

Use a 10mm support under the door.

Then pull out the upper roller main unit from the door while raising the lever.

It will be easier if you slide the hanger bolt with a spanner.

Caution
Be careful not to let the door fall.



PERIODICAL INSPECTION

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

TROUBLESHOOTING

Trouble	Check Point	Solution
Door stops during soft closing	Check if door bottom contacts the floor.	Verify that the track mounting screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 6 - 13 mm.
	Check if the upper track is set horizontally.	Using a level gauge, reset the upper track horizontally.
	Check if mohair seal is installed.	Reduce the friction between the mohair seal and door.
The door doesn't close softly	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.
	The position of the trigger catcher in page 3 section ■- [3] may become dislocated. (It is hidden as installed in upper track.)	Remove the door and the upper track, then check the status of the trigger catcher in section ■- [3] .
Abnormal noise during operation	Check if door bottom contacts the floor or floor guide.	Verify that the track mounting screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 6 - 13 mm.
	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 track rollers for aluminum dust.	Remove the track, then pull out and clean the roller.
Heavy door operation	Check if door bottom contacts the floor or floor guide.	Verify that the track fixing screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 6 - 13 mm.
	Check if door touches adjacent parts.	Adjust the door depth position to avoid contact with other objects or adjust the position of floor guide.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset the upper track horizontally.

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