

LAMP® FD35EV SLIDING DOOR SYSTEM Installation Manual (Recessed Mount Roller)

Part No.FD35EVHHP

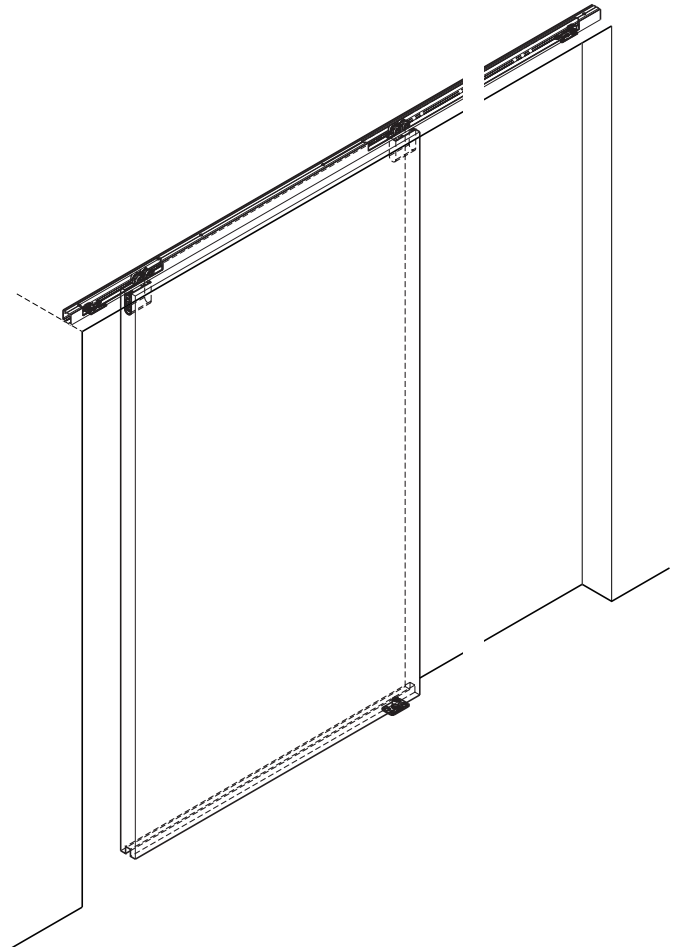
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This is a parts set for a sliding door system for stores, public facilities and residence.
- Easy door installation and adjustment.

SPECIFICATIONS

Door height	Max. 2400 mm	2401 - 2700 mm
Door width	Max. 1200 mm	700 - 1200 mm
Min. Door thickness	24 mm	
Max. Door weight	35 kg	
Height adjustable range	3 mm upward, 4 mm downward	
Forward / backward adjustment	± 2 mm	



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

 Warning Caution	 Prohibited	 Required
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Warning : If these warnings are not followed, it may result in death or serious injury.

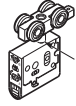
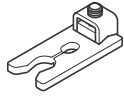
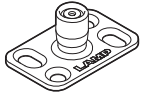
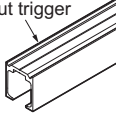
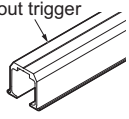
- ❗ This (sliding door system) should be installed by a qualified person. If the system is not installed correctly, the door will not operate smoothly, and may cause injury.
- ❗ It is necessary to manufacture the frame with sufficient strength so that it endures the weight of the door and any impact upon opening/closing the door. Only use designated screws and ensure that they are fastened firmly. A frame with poor strength or loose screws might result in the door falling and causing injury
- ⊘ Do not try to use this product for anything other than its original purpose. Do not use any part for applications outside of its specification.
- ⊘ Do not disassemble nor modify any parts other than those described in this document.


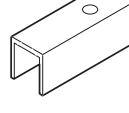
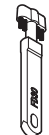
Caution : If these cautions are not followed, it may result in injury or damage.

- ❗ Make sure to follow the designated dimensions, specifications, and horizontal/vertical angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ❗ 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, make sure to test the finished product thoroughly to ensure that it is well-functioning and safe.
- ❗ 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

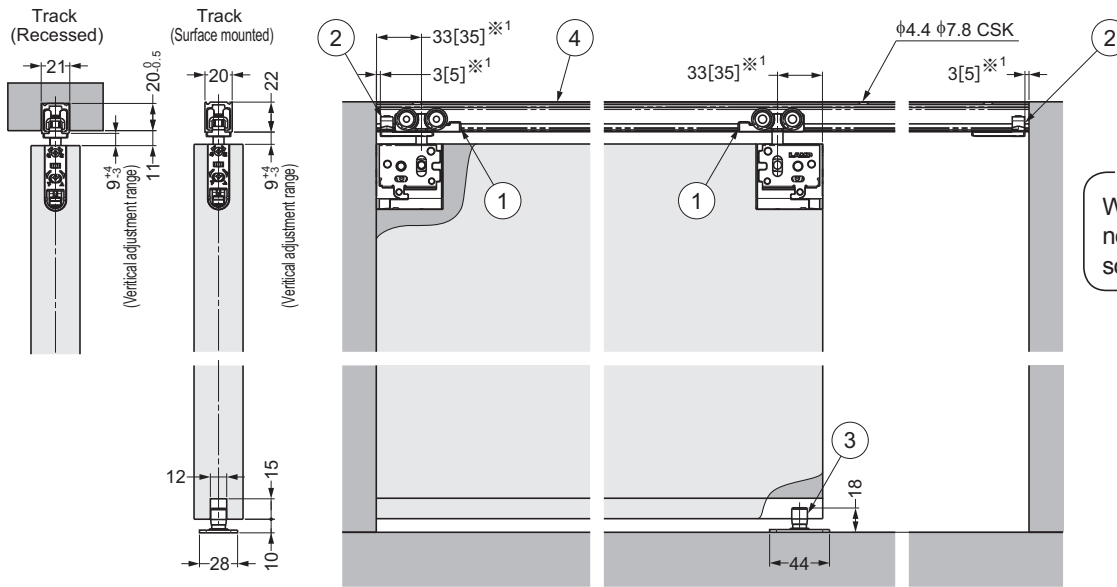
This describes installation of a single sliding door.

No.	①	②	③	④	
Name	Upper roller	End catch	Floor guide	Upper track (surface mount)	Upper track (recessed mount)
Item No.	FD35EV-WRH	FD30-HTST	FD50-BGR18	FD35EV-TRM	FD35EV-TRH
Item	 Without nut 2 pcs	 2 pcs	 1 pc	 Without trigger  Without trigger either one Hole pitch : 300 mm Pitch end : 30 mm	
Accessories	Flat head tapping screw 3.8×40 6 pcs	—	Countersunk head tapping screw 4×20 4 pcs	—	—
Remarks	—	—	—	Recommended screw: Countersunk head tapping screw 3.5×25	

OPTIONAL PARTS	No.	⑤	⑥	⑦
	Name	Cover cap	Door guide track	Track cleaner
	Item No.	FD50-WRH-CP	FD30-HBRT1500SIL	FD30-TRC
	Item	 Thickness: 2 mm	 Hole pitch : 250 mm Pitch end : 30 mm	
	Accessories	—	—	—
Remarks	—	Recommended screw: Countersunk head tapping screw 4×20	—	

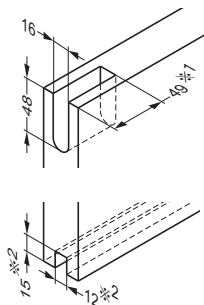
INSTALLATION DRAWING (EXAMPLE)

This describes installation of a single sliding door.



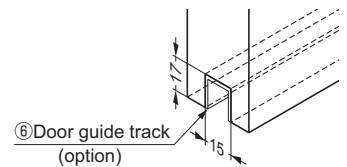
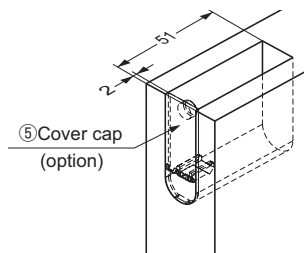
※1 [] : When cover cap ⑤ (option) is used.

Door process dimension



※1 When using cover cap ⑤

※2 When using door guide track ⑥



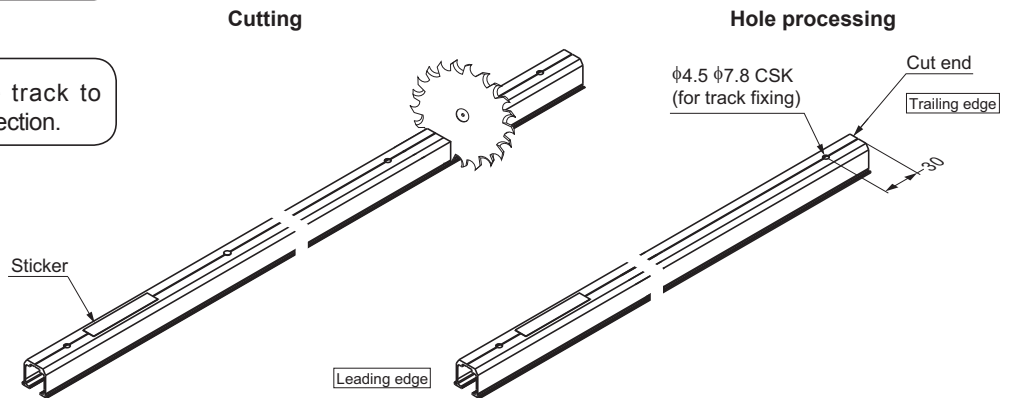
1 Cutting and Providing Hole on Upper Track



Do not cut sticker side of upper track.

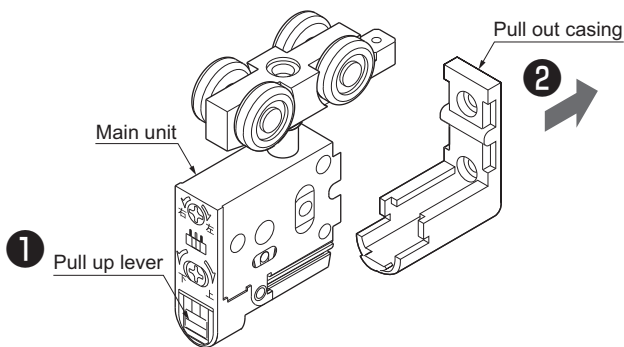


When cutting, reinforce the track to prevent deformation at the cut section.



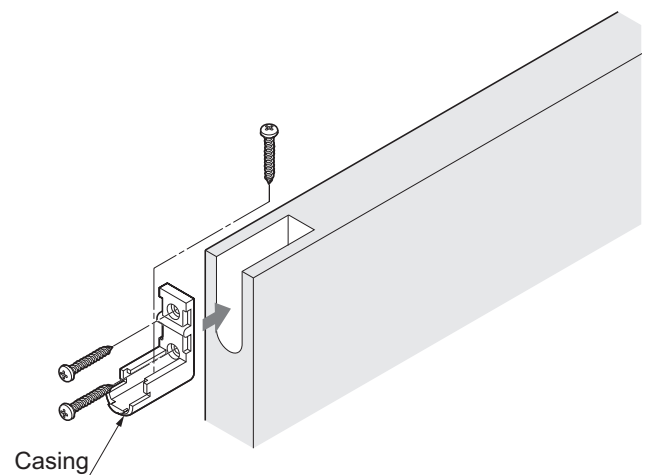
2 Removing Casing

Upper roller: Separate main unit from casing.



3 Installing Casing

Fasten upper roller firmly with attached screws.

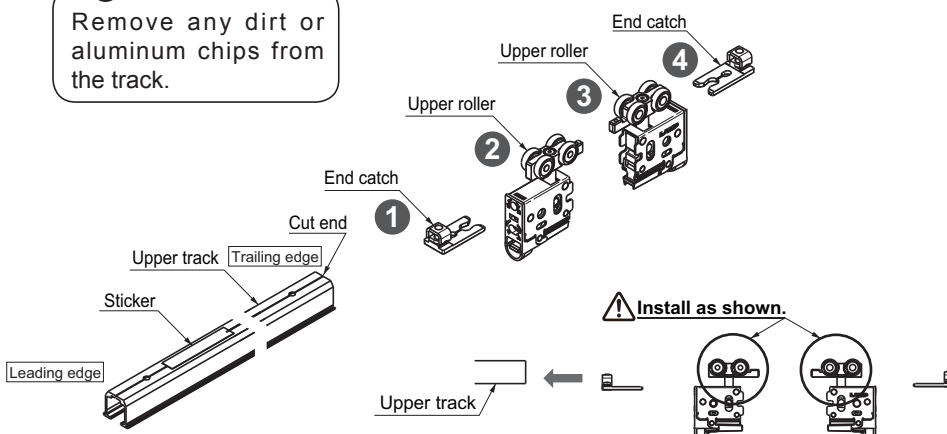


4 Inserting Parts into Upper Track

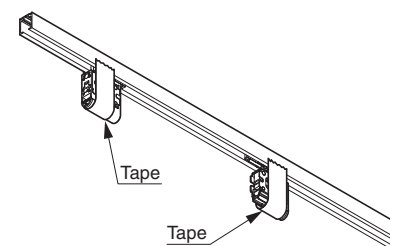
Insert the parts in order from ① to ④.



Remove any dirt or aluminum chips from the track.

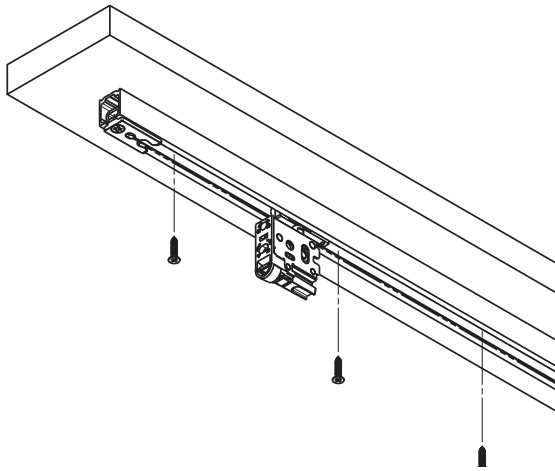


Tape upper roller and upper track to prevent inserted parts from falling.

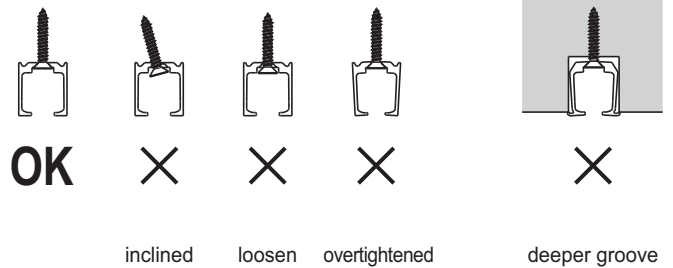


5 Fixing Upper Track

(Recommended screw: Countersunk head tapping screw 3.5x25)

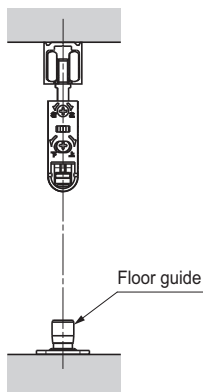


! Be careful not to overtighten the screws and screw heads protruding on upper track. It may cause deformation of track or damage of soft closer.

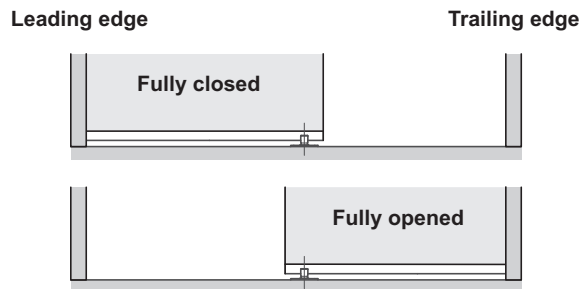


6 Fixing Floor Guide Temporarily

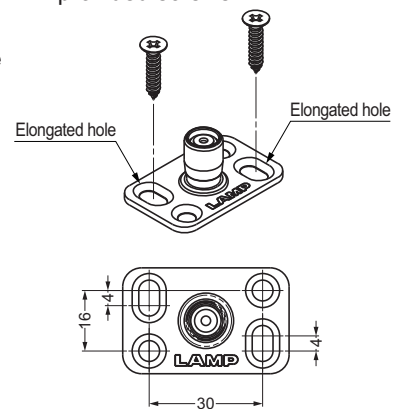
Position floor guide just below the center of upper track.



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

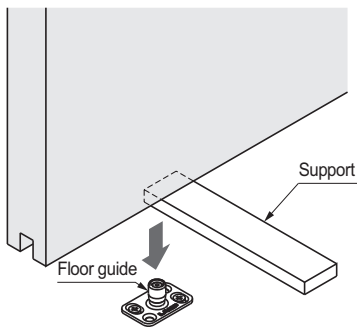


Temporarily fasten through the elongated holes with the provided screws.

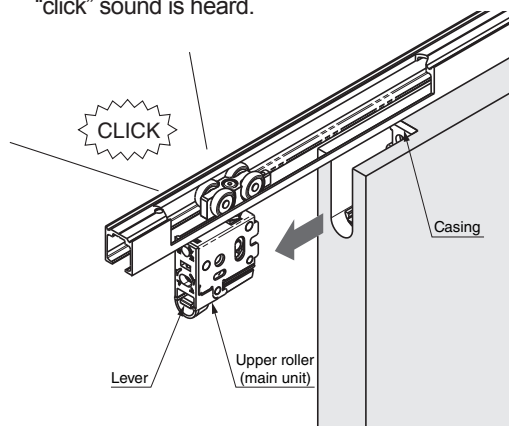


7 Hanging Door

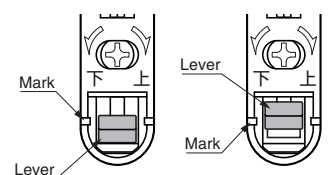
Put a 10 mm support under the door. While holding the door, insert the floor guide into the groove under the door.



Insert the upper roller into the casing until a "click" sound is heard.



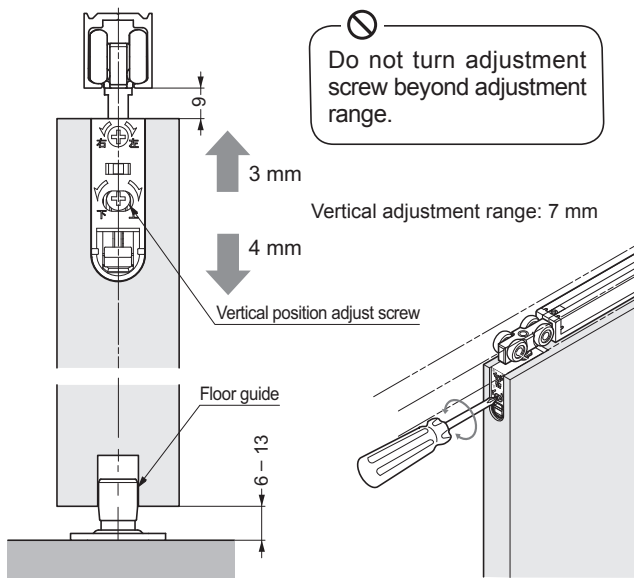
OK ×



! Confirm that upper roller is not dislocated from casing, for both door sides.

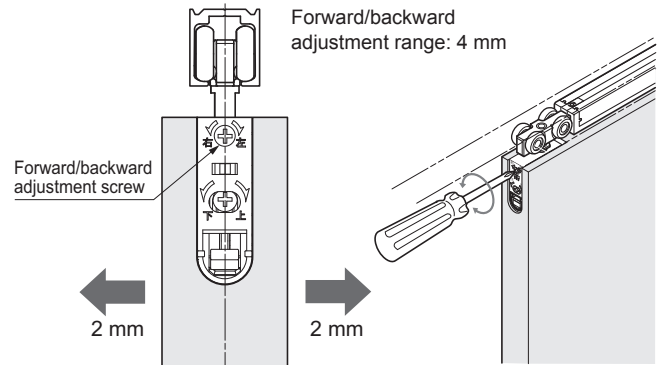
8 Adjusting Door Position

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



Do not turn adjustment screw beyond adjustment range.

Do not use electric screw driver.

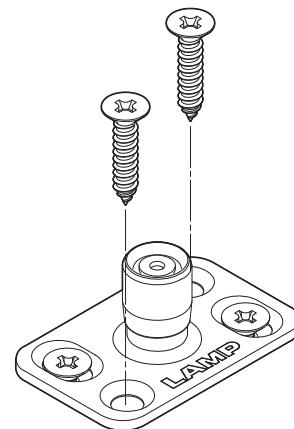
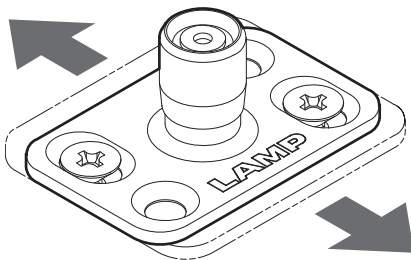


9 Adjusting, Fixing Floor Guide

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

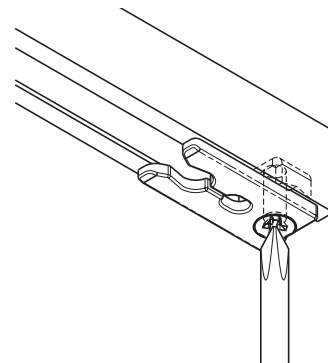
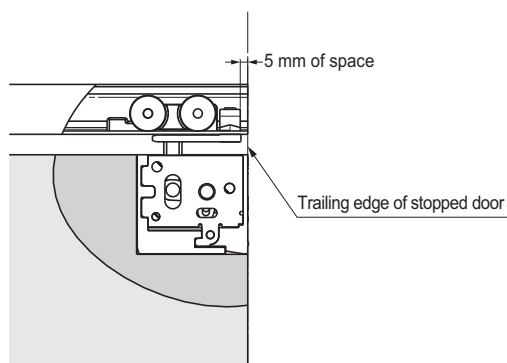
Tighten all 4 screws after the adjustment.

Adjustment range: 4 mm



10 Fixing End Catch Position

Fix the end catch 5 mm from the position where door stops. Adjust the position of the end catch where it catches the hanger bolt of the roller when the door is stopped by the frame or door stopper.

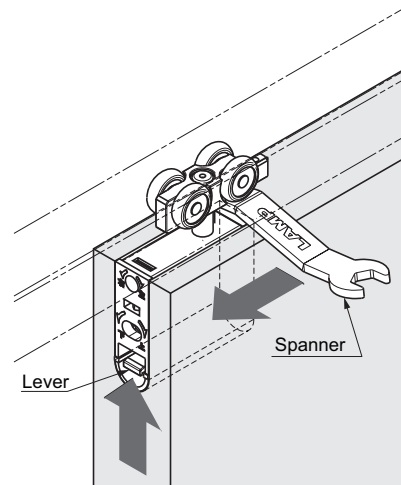


Do not overtighten the screw. It may deform the part.

Supplement 1 How to remove door

Use a 10 mm 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.



Final verification	Verify that all screws are securely tightened, and verify that all screws have been used.
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PERIODICAL INSPECTION	<ul style="list-style-type: none"> · Clean inside of track. · Check upper and lower gaps between the door and frame. If necessary, adjust the gaps..
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■ TROUBLESHOOTING

Trouble	Checkpoint	Solution
Abnormal noise during operation	Check if door bottom contacts the floor.	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.	Correct door position to avoid contact with 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 the floor.	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.	Correct door position to avoid contact with adjacent objects. Adjust position of the floor guide.
Door does not move.	Check the track retaining screws for looseness.	Retighten screws to free the roller.
Door starts to move.	Check the upper track if it is set horizontally.	Using a level gauge, reset upper track horizontally.
End catch does not work properly.	Check if roller is installed correctly.	If a roller for Two-way soft closer (FD35EV-WRH) is installed by mistake, jump prevention nut on the roller interferes with the end catch. Replace it with correct roller.

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