

LAMP® FD50-H SLIDING DOOR SYSTEM Installation Manual (Surface mount roller Type for Pocket Door, with Two-way Soft Close)

Part No.FD50DHCMP-PD

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 is a parts set for sliding door system for residential & commercial use.
- Built in soft closer enables two-way soft closing movement in both direction.
- Two sections of track for easy maintenance after installing.

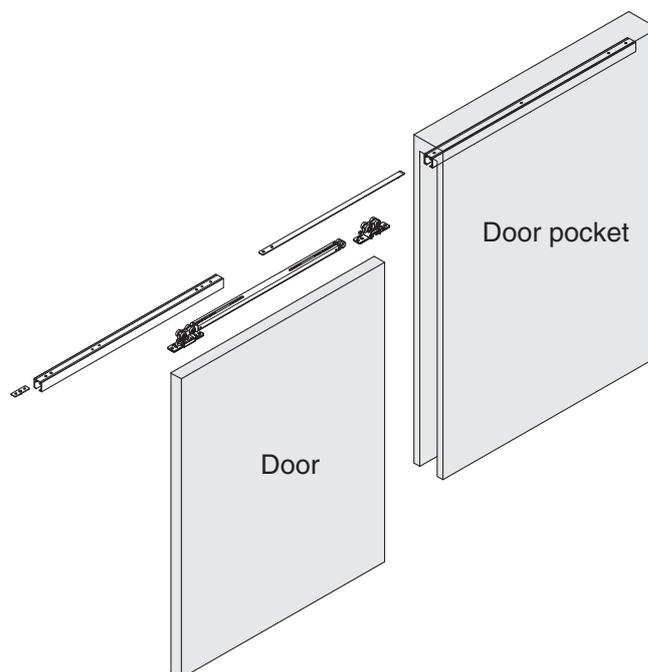
SPECIFICATIONS

Door height	Max. 2400 mm	2401 - 2700 mm
Door width	774 - 1500 mm	800 - 1500 mm
Min. Door thickness	30 mm	
Max. Door weight	50 ※ ¹ kg/door	
Vertical adjustment	3 mm upward, 4 mm downward	

• 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

Meaning of symbols



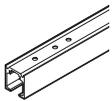
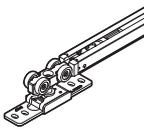
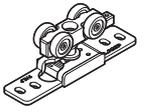
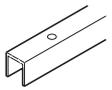
Warning : If not followed, death or serious injury may result.

- ❗ 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.

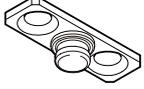
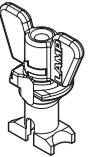
- ❗ Follow the specified dimensions, specifications, and alignment of the door and frame. Warping, tilting or twisting of the frame or door may cause failure.
- ❗ If cutting any parts, make sure to remove any burrs before installation. Also check the upper track for any left-over burrs or scraps and 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).
- ❗ When installing the "pocket door", make an "easy-maintenance" structure. For example, use a removable panel.
- ❗ Install the product with two people (in the case of one person, there is a risk of damaging components).

COMPONENT PARTS

No.	①		②	③	④	⑤	⑥	⑦
Name	Open area track	Door pocket track	Soft closer (two-way)	Front trigger	Pocket trigger	Upper roller	Floor guide	Door guide track
Order code	Available with various length and finishes		250-022-902	250-029-707	250-029-738	250-022-901	250-029-718	250-019-971
Part No.	FD50-TRP		FD50-WRM-DSC	FD50-TRGPF	FD50-TRGPB-MB	FD50-WRM	FD50-BGR18	FD30-HBRT1500SIL
Parts			 1 pc	 1 pc	 1 pc	 1 pc	 1 pc	 1 pc Hole pitch : 250 mm Pitch end : 30 mm
Accessories	Countersunk head tapping screws 4 × 40 (Q'ty depends on the hole location)		Pan head tapping screws 4 × 45 4 pcs	Countersunk head tapping screws 4 × 40 2 pcs	Countersunk head tapping screws 4 × 40 2 pcs	Pan head tapping screws 4 × 45 4 pcs	Countersunk head tapping screws 4 × 20 4 pcs	Recommended screw : Countersunk head tapping screws 4 × 20

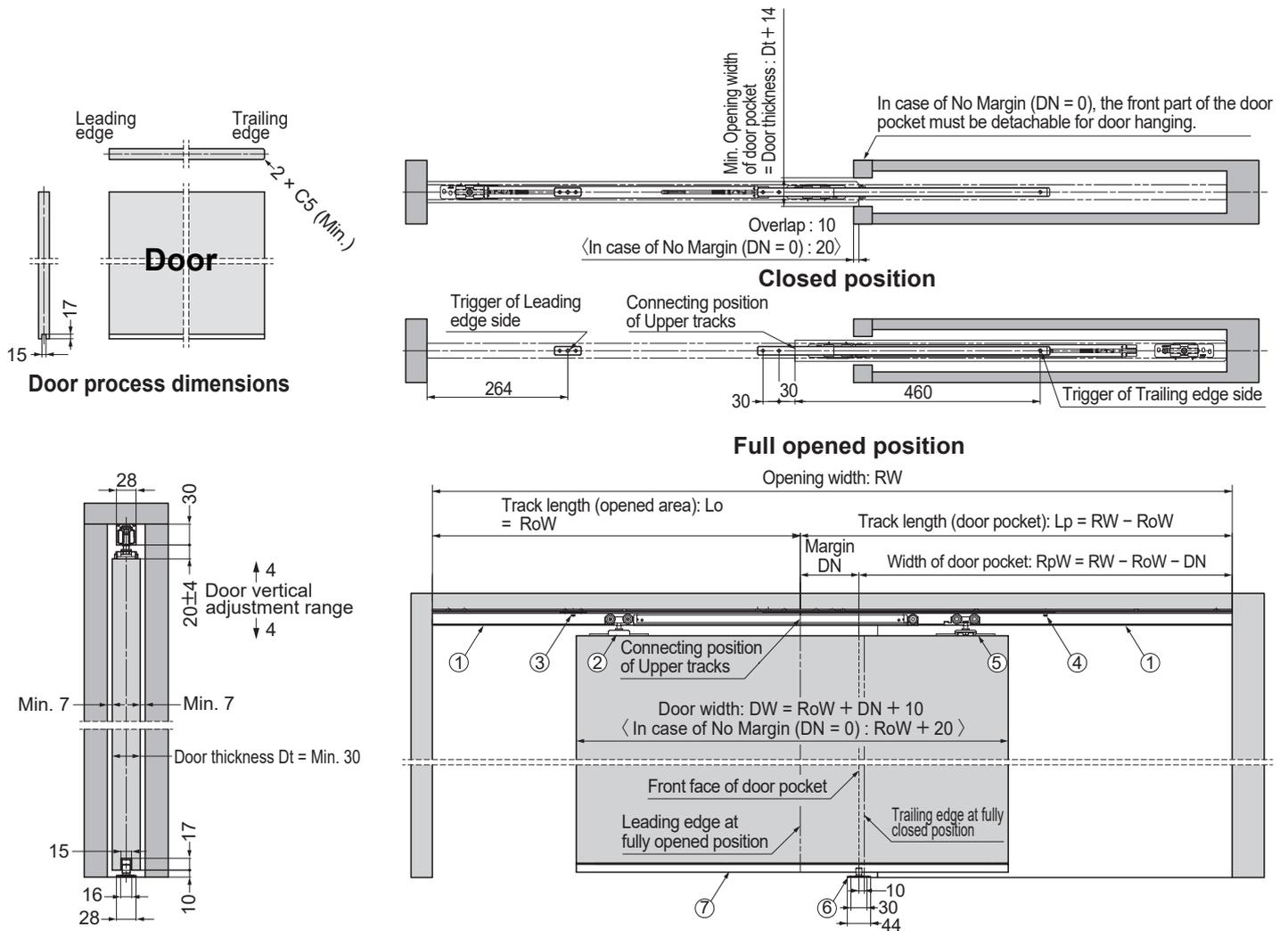
Optional parts	No.	⑧
	Name	Spanner wrench
Part No.	FD30-FSP	
Parts		
	Nominal designation 10 mm, 12 mm	

✗ FD50 Below parts which are packed with soft closer ② are not needed for this application.

 Trigger : 2 pcs
  Trigger mount jig
  Countersunk head tapping screws 4×30 D6 : 4 pcs

INSTALLATION DRAWING (EXAMPLE)

The example shows the sliding door when the leading edge (at the fully opened position) is aligned with the connecting position of the upper tracks. To shift the connecting position towards the trailing edge, see page 9.



TOOLS REQUIRED FOR INSTALLATION



• Philips head driver #2



• Drill bit for metal: $\phi 5$



• Machine or tool for cutting aluminum alloy



• Drill bit for metal (for $\phi 9.6$ countersunk hole)



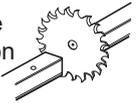
• Spanner (Nominal designation 10 mm, max. 6 mm thickness)

INSTALLATION PROCEDURE

1 Cutting and Drilling on Upper Track

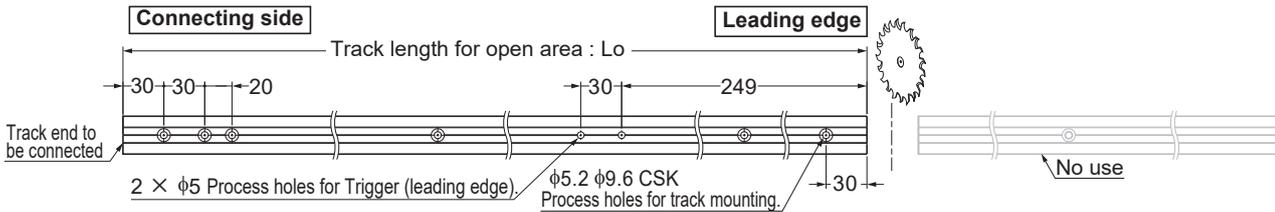
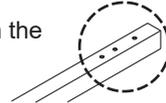
Caution

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

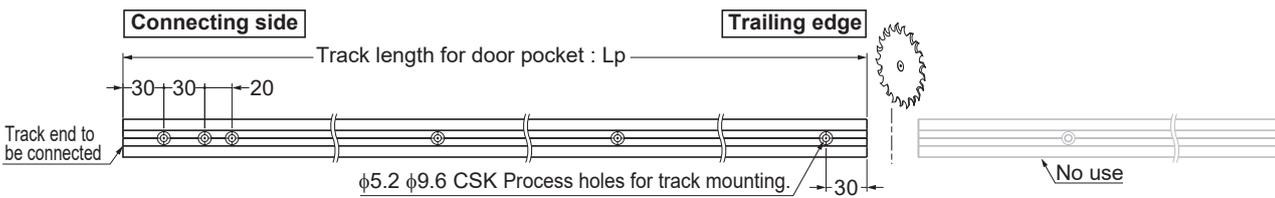


Caution

❗ Do not cut the track on the side with three holes.

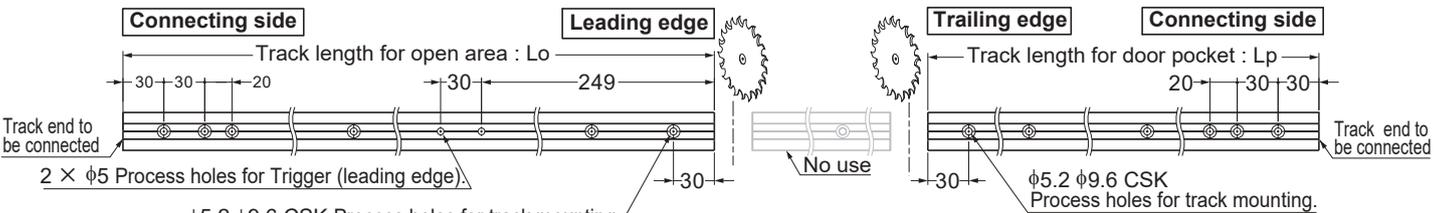


Open area track



Door pocket track

When cutting from a long track (1860 mm, 2760 mm & 3960 mm)



Open area track

Door pocket Track

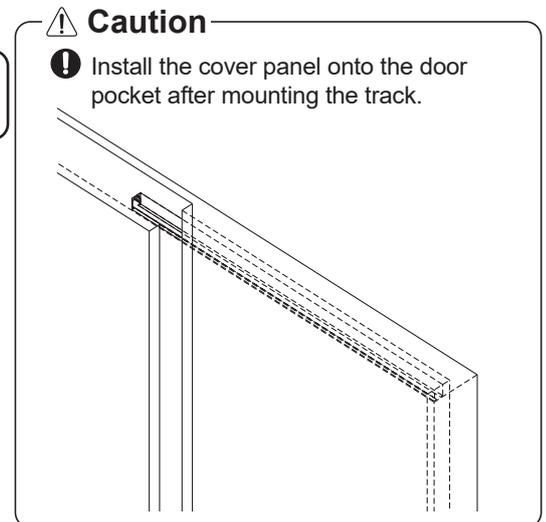
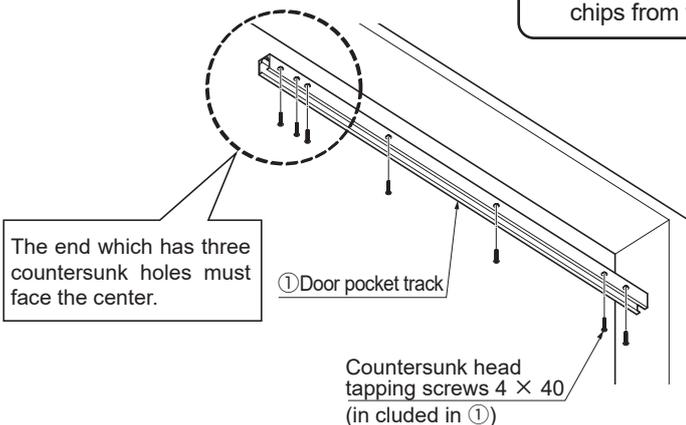
2 Installing Door Pocket Track

Caution

❗ Remove any dirt or aluminum chips from the track.

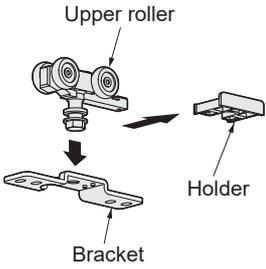
Caution

❗ Install the cover panel onto the door pocket after mounting the track.



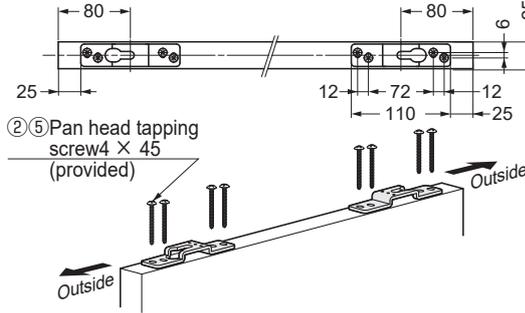
3 Installing Bracket

① Disassemble



② Fastening

⚠ Pay attention to setting the direction of the bracket. The open part of the bracket should face in the outside direction.



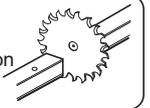
② ⑤ Pan head tapping screw 4 × 45 (provided)

4 Installation of Door Guide Track

[1] Cut the track to the same length as the door width.

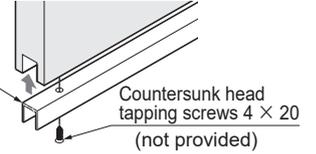
Caution

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



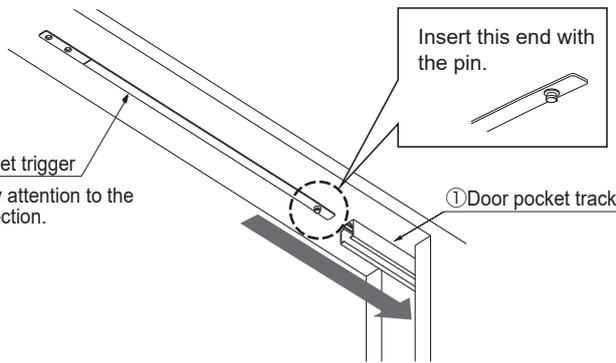
[2] Fasten the track with countersunk head tapping screws 4 × 20 (not provided).

⑦ Door guide track



5 Installing Pocket Trigger

④ Pocket trigger
⚠ Pay attention to the direction.



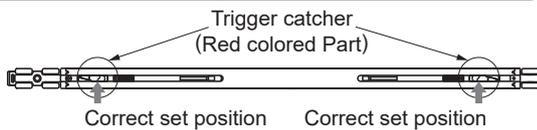
Insert the pocket trigger until it reaches the end of the track.

6 Verification Before Installing Soft Closer

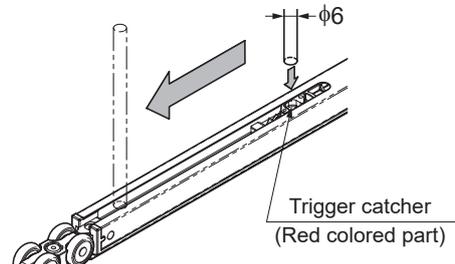
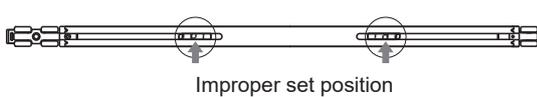
Caution

⚠ Without verification the self closing feature may fail.

OK



X



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

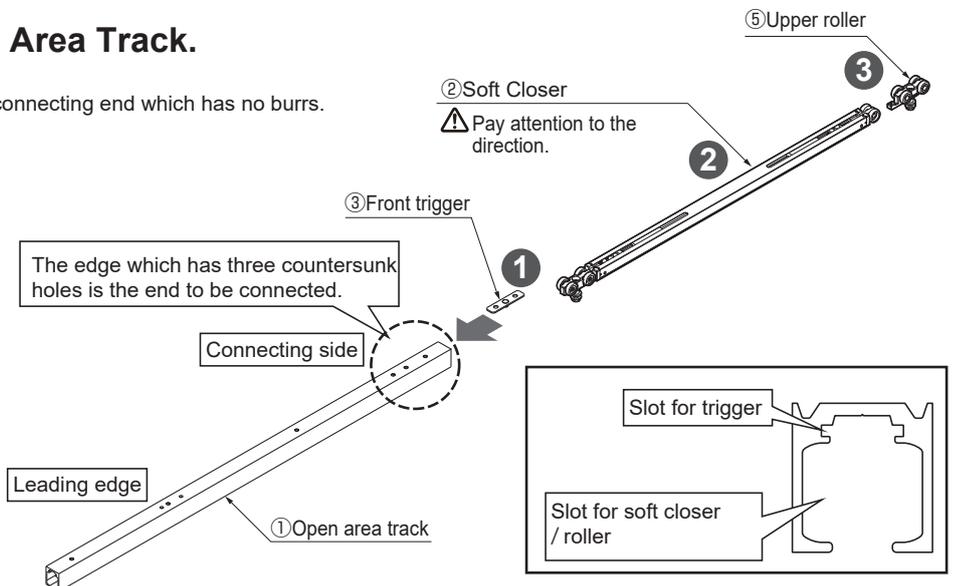
7 Inserting Parts into Open Area Track.

Insert the parts in order from ① to ③.

You can insert the parts smoothly from the connecting end which has no burrs.

Caution

- ⚠ Remove any dirt or aluminum chips from the track.
- ⚠ Tape around rollers and upper track to prevent inserted parts from falling.



8 Mounting of Open Area Track.

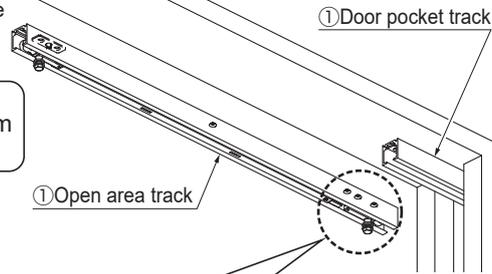
[1] Connecting to door pocket track

Align the track end to the end of the door pocket track.

Pull out the pocket trigger from the door pocket track, and insert it into the open area track.

⚠ Caution

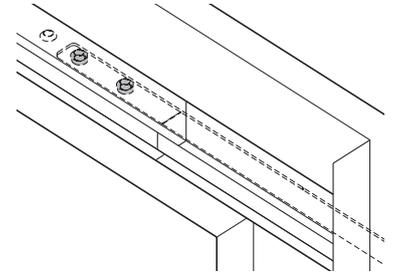
- ❗ Remove any dirt or aluminum chips from the track.



The end which has three countersunk holes should be connected to door pocket track.

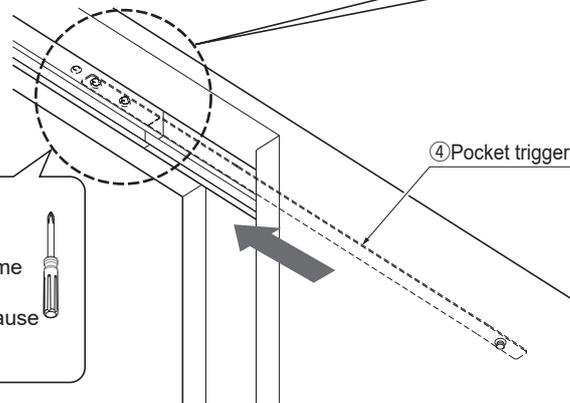
⚠ Caution

- ❗ Overlap the two countersunk holes on the pocket trigger and the two holes on the open area track. Deviation of the joint position makes insertion of the trigger difficult.



⚠ Caution

- ❗ When sliding the pocket trigger, use a screwdriver. The screwdriver may unexpectedly come out and damage the track. Scratches on the running track may cause a noise of rollers during operation.

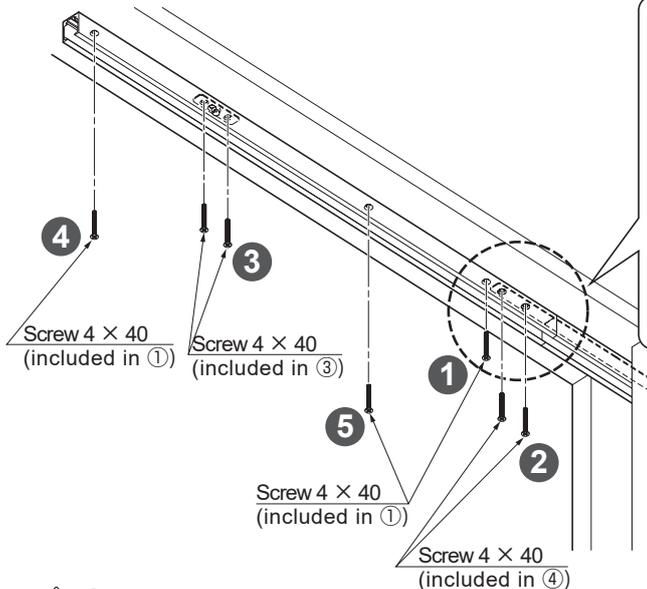


[2] Fastening track and track

Fasten the open area track and pocket trigger with provided screws in order of ① to ⑤. Move rollers if they cover the fastening holes on the track.

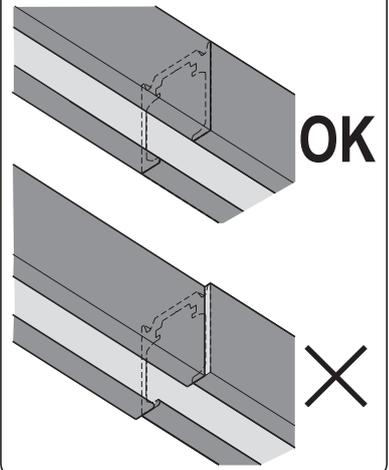
⚠ Caution

- ❗ When tightening the ① screws, make sure that the both tracks are aligned.



⚠ Caution

- ❗ Be careful not to misalign the tracks. Tighten the screws firmly.

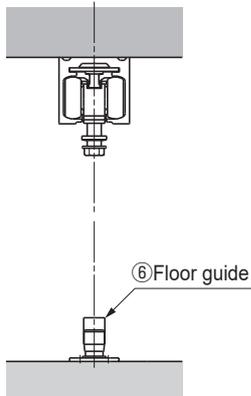


⚠ Caution

- ❗ After fastening the track, move rollers and check if there's any misalignment or gap between the tracks.

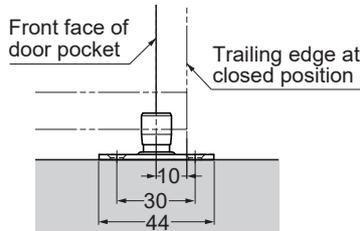
9 Mounting of Floor Guide Temporarily

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.

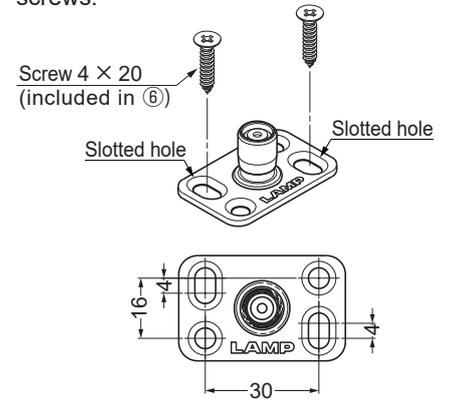


Caution

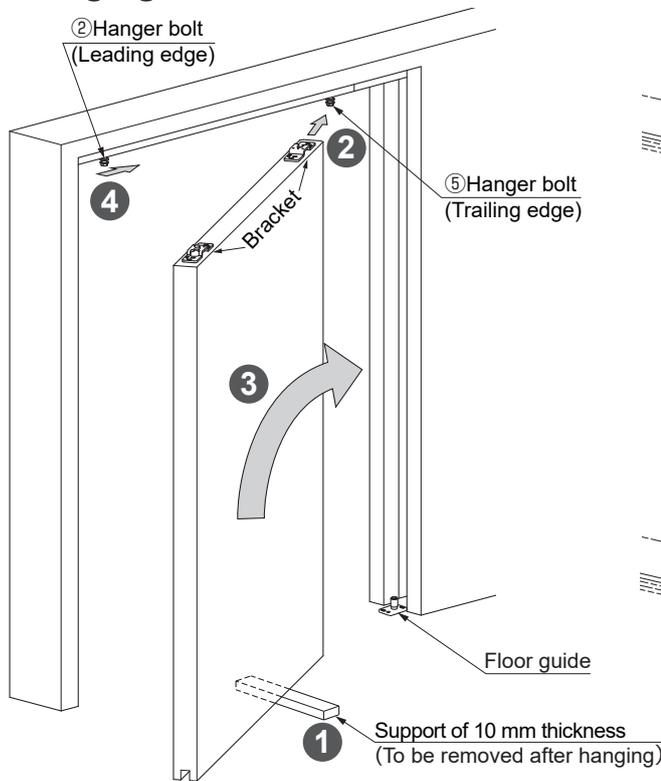
❗ The position of the model where the margin occurs is shown in the figure.



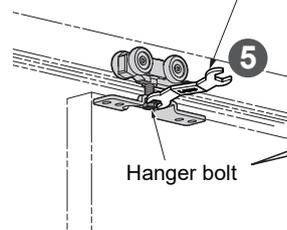
Temporarily fasten through the slotted holes with the provided screws.



10 Hanging Door

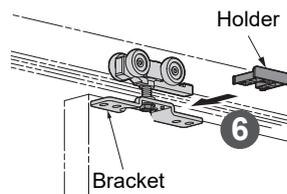


8 Spanner wrench (Optional parts)
Nominal designation 10 mm ,
max. 6 mm thickness



Caution

❗ Ensure that hanger bolt head is in straight as shown for proper fastening of the holder.



Caution

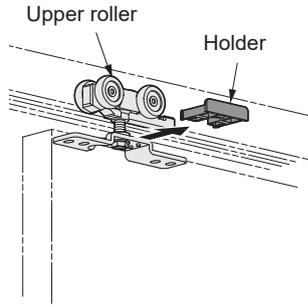
❗ Verify that the claw of the shaft support holder catches the opposite side of the holder.

7 Verification of Soft Closer Operation

● Starting point of soft - close : approx. 115 mm before the stop position.

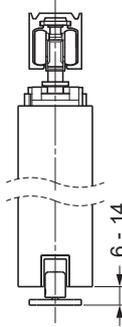
11 Adjustment of Door Height

1 Pull out the holder

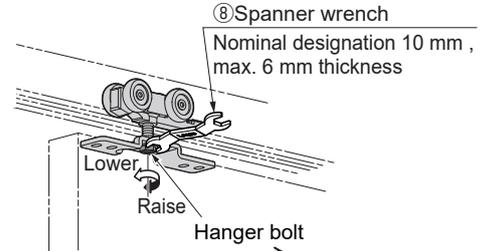


2 Adjust the door so that it is parallel to the upper track with 6-14 mm of clearance between the door and floor.

Vertical adjustment range: 8 mm

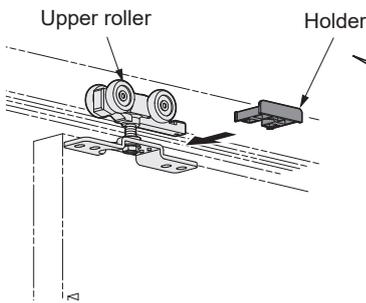


Caution
Do not turn adjustment screw beyond the adjustment range.



Caution
Ensure that hanger bolt head is straight as shown for proper fastening of the holder.

3 Insert the holder

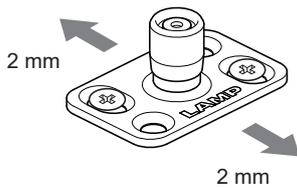


Caution
Verify that the claw of the shaft support holder catches the opposite side of the holder.

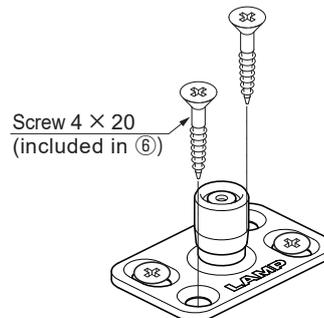
12 Adjusting, Fastening Floor Guide

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

Adjustment range : ± 2 mm



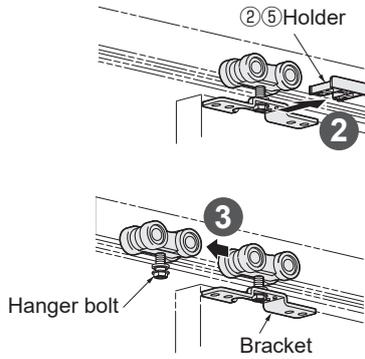
Tighten all 4 screws after the adjustment.



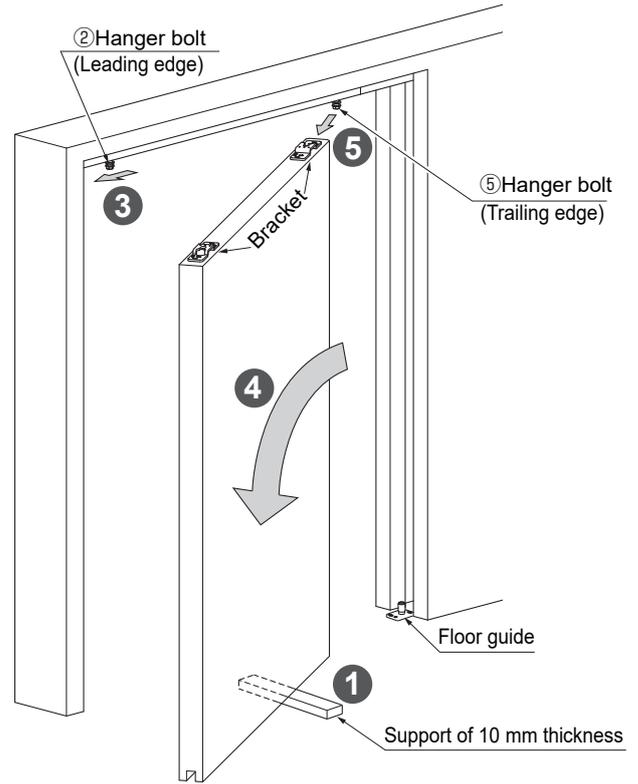
Appendix 1 How to Remove Door, Track

[1] How to remove door

- ① Put a 10 mm support under the door.
- ② Remove holder
- ③ Pull out the hanger bolt at leading edge from the bracket.
- ④ Pull out the door, while making sure not to let it scratch against the door pocket.
- ⑤ Pull out the hanger bolt at trailing edge from the bracket then, pull out the door from the hanger bolt.



Caution
 Be careful not to let the door fall.

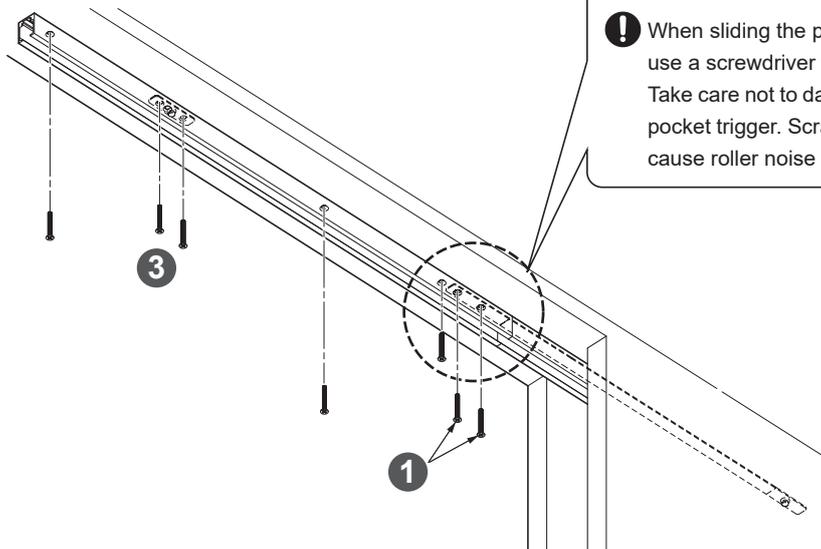


[2] How to remove Upper track

- ① Remove the pocket trigger screws.
- ② Slide the Pocket trigger into the door pocket track.
- ③ Remove the open area track.

Caution
 The trigger can be deformed if the open area track is removed. If the pocket trigger has not been moved into the pocket track.

Hold the open area track when removing the last screw.

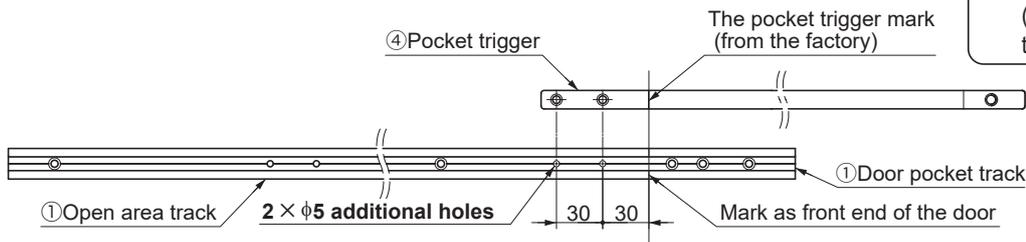
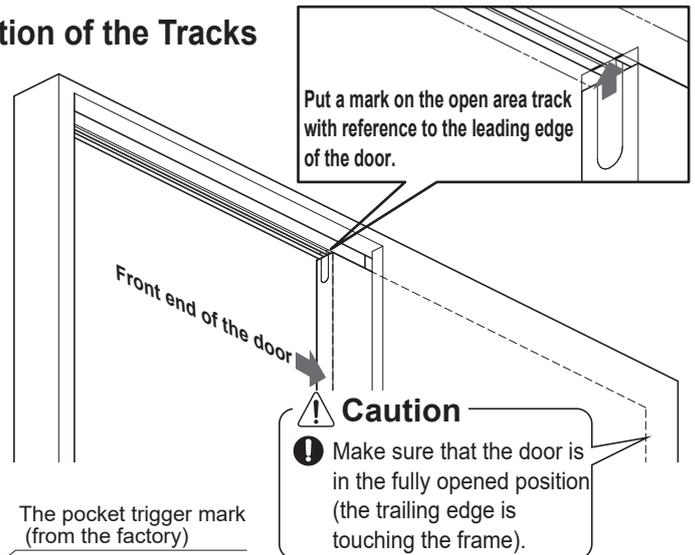


Caution
 When sliding the pocket trigger, use a screwdriver etc. Take care not to damage the track when sliding the pocket trigger. Scratches on the running track may cause roller noise during operation.

Appendix 2 How to Shift the Connecting Position of the Tracks

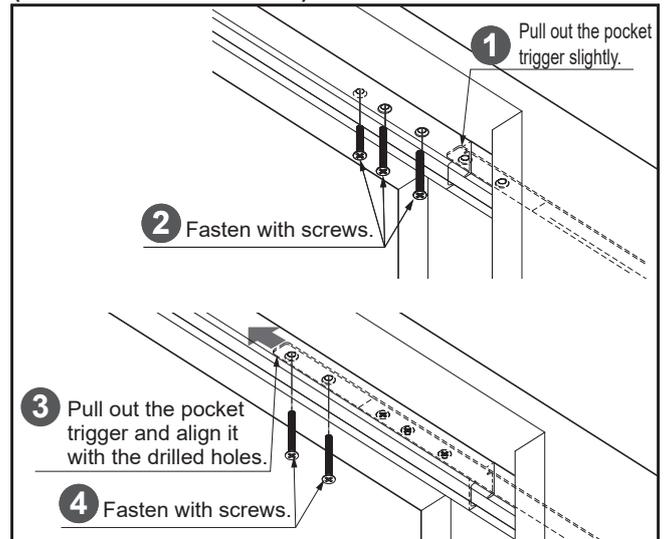
[1] When determining the trigger position on site

- (1) Put a mark on the open area track with reference to the front end of the door at the fully opened position. (Use masking tape so that the track isn't marked)
- (2) Remove the open area track. Remove the door according to the procedure - **Appendix 1**: How to remove the door, then remove the open area track.
 - Drill additional holes for trigger on the open area track. (See the drawing below.)



- (3) Mounting open area track
Follow the figure to the bottom right, since the working sequence is different from the regular process.
- (4) Hanging the door
Refer to the procedure [2] and the following procedures on page 3.

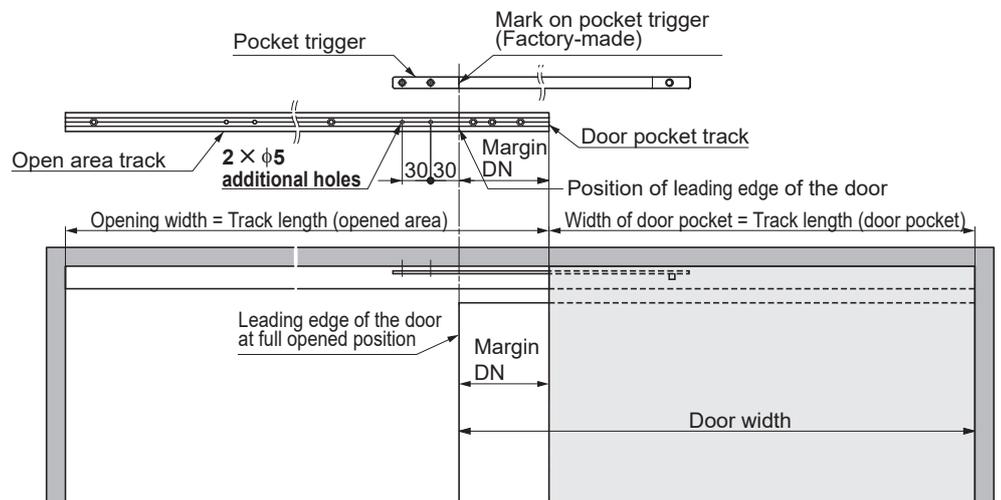
Working sequence for mounting the open area track (common to [1] and [2])



[2] How to process the holes for pocket trigger in advance

[Example] Door pocket track with length equal to the width of the door pocket.

- (1) Drill holes for the pocket trigger according to the drawing below.
- (2) Fix the open area track, while following the above right figure, since the working sequence is different from the regular process.



Final Verification Verify that all screws are securely tightened, and verify that all screws have been used.

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 the track mounting screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 6 - 14 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 4 section 5 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 in section 5.
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 - 14 mm.
	Check if door touches adjacent parts.	Adjust the position of floor guide.
	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 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 - 14 mm.
	Check if door touches adjacent parts.	Adjust the position of floor guide.
Door does not move.	Check the upper track retaining screws for looseness.	Retighten the screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset the upper track horizontally.
Door stops or is caught during operation.	Check if there is any gap or misalignment between the tracks.	Correct the misalignment or gap.

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