

LAMP® FD80-H SLIDING DOOR SYSTEM Installation Manual

(Normal slide with surface mount roller) Part No.FD80HMP

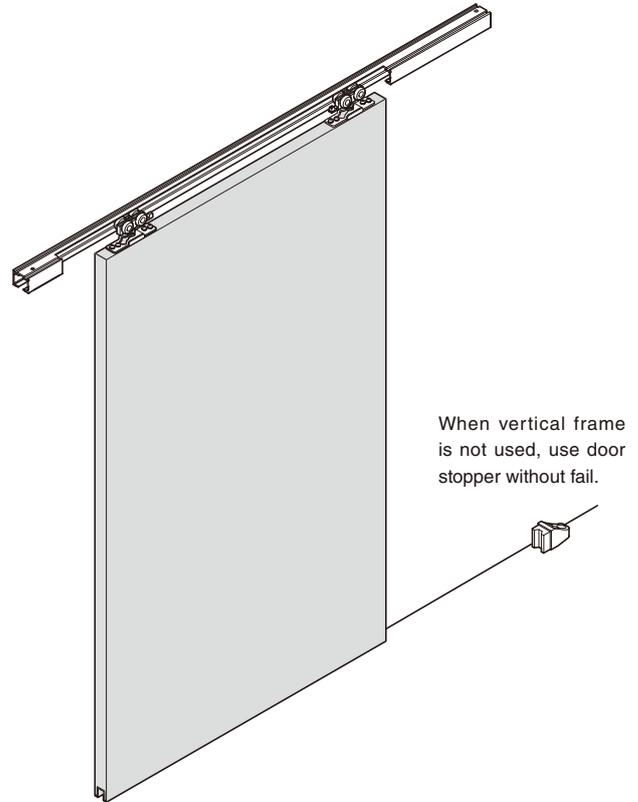
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This product is a parts set for heavy duty sliding door system for indoor use.
- Easy door installation and adjustment.

SPECIFICATIONS

Max.Door width	1500mm
Max.Door height	2500mm
Min.Door thickness	30mm
Max.Door weight	80kg
Height adjustable range	4mm upward, 4mm downward



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

⊘	This symbol denotes prohibited action.
ⓘ	This symbol denotes what must be done.

⚠ WARNING: If these warnings are not followed, it may result in death or serious injury.

- ⓘ 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 might result in improper and slower movement of the door. In the worst case, the door might drop down and cause injury.
- ⊘ Do not try to use this product for any other purposes other than originally intended for. Do not use the parts for applications that are out of specification.
- ⊘ Do not disassemble nor modify any parts 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 measurements and specifications as well as horizontal and verticals 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 burr before installation. Also check the upper rail for any left-over burr or scrap and remove these.
- ⓘ This (sliding door system) 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 test the screws for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).

COMPONENT PARTS

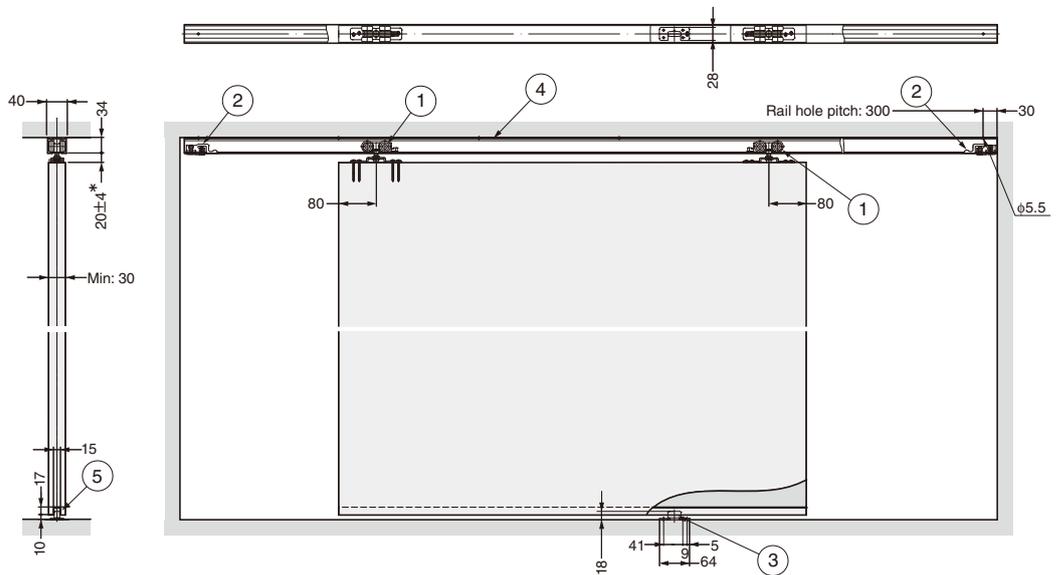
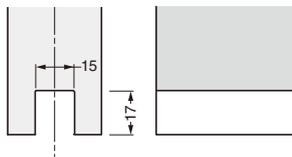
No.	①	②	③	④	⑤
Name	Upper roller (surface mount)	Upper stopper	Floor guide S	Upper rail	Door bottom guide rail
Item No.	FD80-WRM	FD80-HTST	FD50-BG18	FD80-TRM series	FD30-HBRT1500SIL
Item	 Accessory screw: Pan head tapping screw 4x45 4pcs	 Accessory screw: Bind head tapping screw 4x16 5pcs	 Accessory screw: Bind head tapping screw 4x16 5pcs	(Various sizes) Hole pitch :300mm Pitch end :30mm Accessory screw: Pan head tapping screw 5x40	1500mm Hole pitch :250mm Pitch end :30mm
Single sliding	2pcs	2pcs	1pc	1pc	1pc
Double sliding	4pcs	4pcs	2pcs	2pcs	2pcs
In line sliding	4pcs	4pcs	2pcs	1pc	2pcs

OPTIONAL PARTS	No	⑥	⑦	⑧
	Name	Door stopper(floor)	Floor guide L	Spanner
	Item No.	FD30-HTKY	FD50-BG32	FD30-FSP
Item	Needed when vertical frame is not use. Accessory screw: Bind head tapping screw 4x30 3pcs	This is used when larger space below the door is required. Accessory screw: Bind head tapping screw 4x16 5pcs	 Nominal designation 10,12	

INSTALLATION DRAWING (EXAMPLE)

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

Door processing drawing



INSTALLATION PROCEDURE

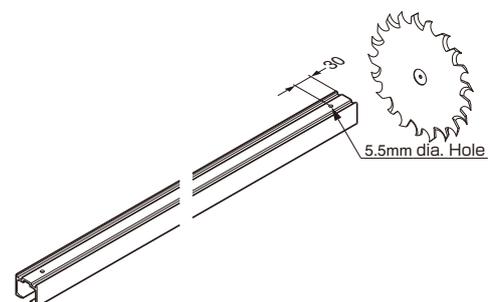
(This manual explains assembly of single side sliding door system.)

1 PREPARATION AND INSTALLATION

1. Cutting upper rail and hole processing

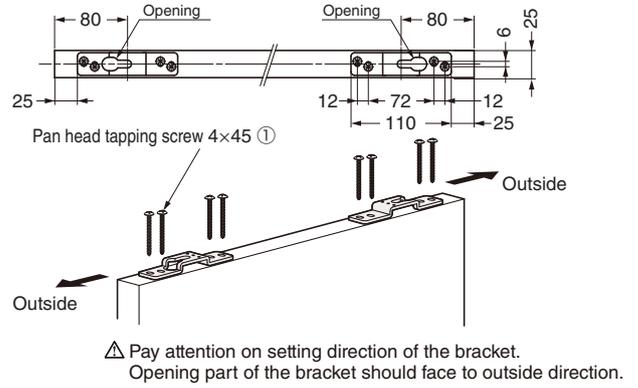
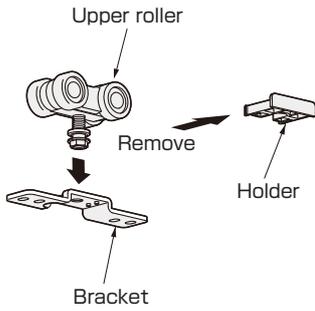
Cut the rail to necessary length. Refer to the figure on the right for cutting and drilling holes.

△ Chips or dirt left inside the rail may stick to the rollers creating a rumbling noise when the door is moved. Remove any chips or dirt from inside the rail after cutting & hole processing.



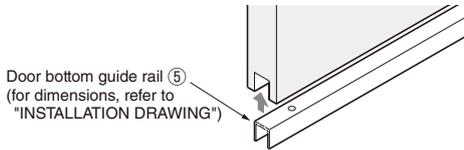
2. INSTALLING HOLDER

Remove upper roller holder and bracket.
Fix the upper roller bracket with attached screws 4x45.



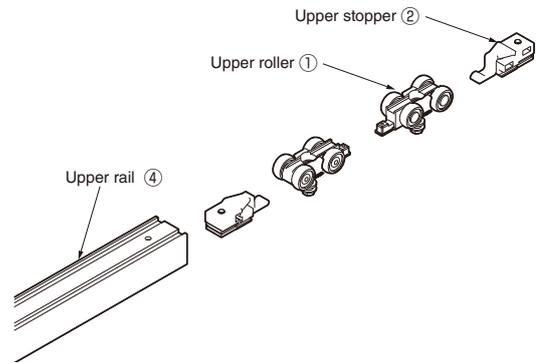
3. INSTALLATION OF DOOR BOTTOM GUIDE RAIL

Cut door bottom guide rail with same length of door.
Firmly insert the guide rail into notch at bottom of door. And, fix it with Countersunk head tapping screws 4x16 (to be prepared separately).



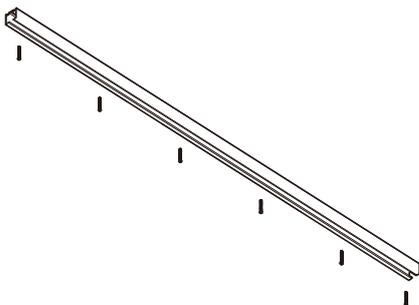
4. ASSEMBLY OF PARTS FOR RAIL

- (1) Insert into the rail two Upper roller and Upper stopper in the order shown in below figure.
- (2) Tape around rollers and Upper rail to prevent drop of inserted parts.



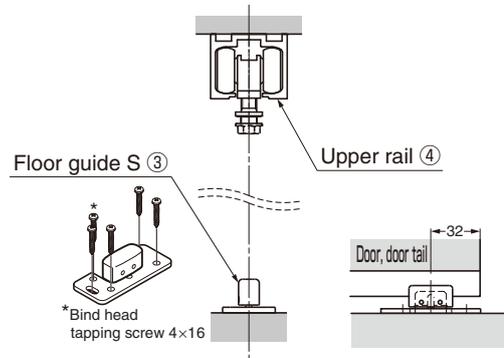
5. MOUNTING OF UPPER RAIL

Confirm that leading edge of the upper rail is in same direction as the leading edge of the door. Fix the upper rail using screws 5x40.



6. INSTALLING FLOOR GUIDE S

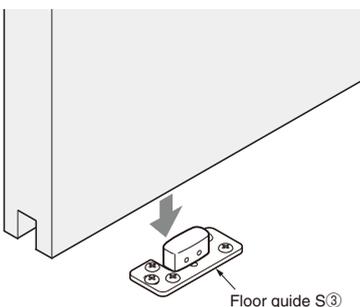
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING THE DOOR AND ADJUSTMENT

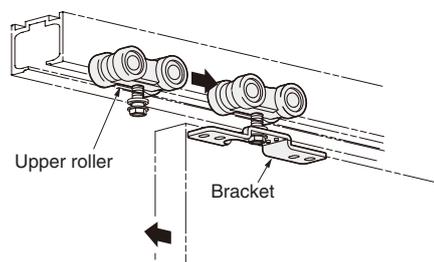
1. DOOR INSTALLATION (BOTTOM)

Insert the floor guide S in the groove, and then hang the door in the bracket.



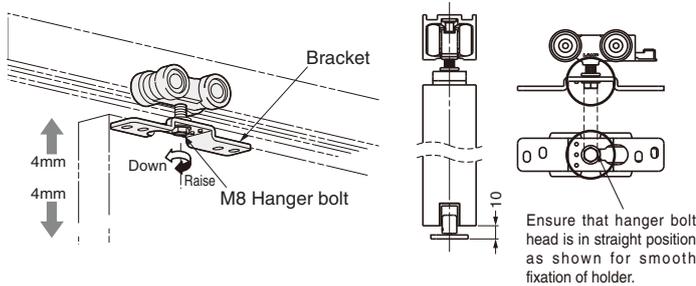
2. DOOR INSTALLATION (UPPER)

Insert the upper roller into the bracket as shown in the drawing below.



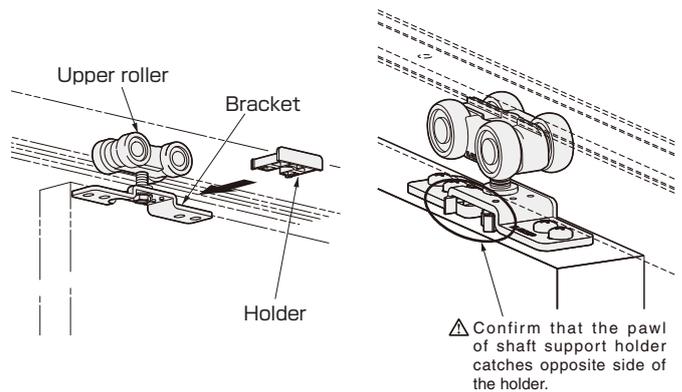
3. ADJUSTMENT OF DOOR HEIGHT

To adjust the door height turn the upper roller M8 hanger bolt with the spanner (10mm, not provided). The height adjustment range is +4mm to -4mm from factory setting (totally 8mm).



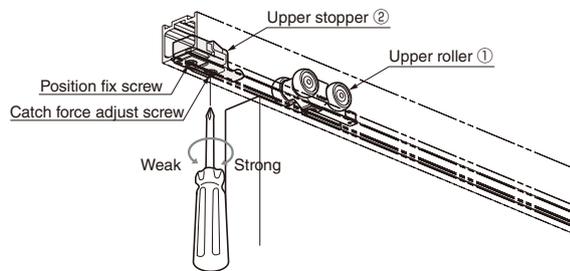
4. INSTALLATION OF HOLDER

Insert the holder as shown below.



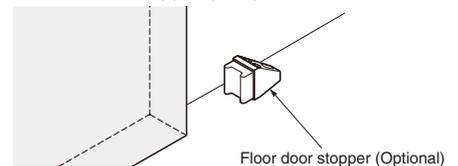
5. FIXING UPPER STOPPER AND ADJUSTMENT

- (1) Fix upper stopper with the door fully closed.
Set the position of upper stopper such that upper roller in the rail contacts with upper stopper, tighten position-set screw with Phillips head driver #2.
- (2) Using Phillips head driver #2, adjust door catch force by the adjust screw.
- (3) Fix another stopper and adjust it at opposite end in similar manner.



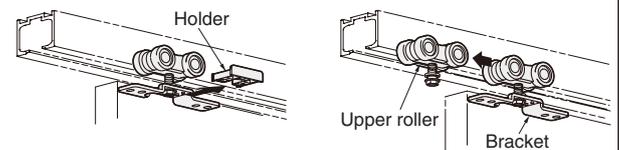
■ INSTALLING DOOR STOPPER (FLOOR)

Make sure to install the Door stopper (floor) when vertical frame is not used.



■ HOW TO REMOVE DOOR

- (1) Put a support under the door.
- (2) Pull out the Holder.
- (3) Pull out the Upper roller from the Bracket.



- (4) Remove the door from the Floor guide.

Periodical Inspection

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

TROUBLESHOOTING

TROUBLE	CHECK POINT	REMEDY
Abnormal noise during operation	Check if door contacts to other parts.	Provide necessary space between door and adjacent objects.
	Check inside of upper rail for existence of foreign matter such as aluminum dust.	Remove dust or foreign matter.
	Check rail rollers for existence of dust or aluminum powder.	Remove the rail and pull out the roller. Then, clean the roller.
	Check for loosened screws retaining the upper rail	Tighten the screw.
Heavy door operation	Check if door contacts to other parts.	Provide necessary space between door and adjacent objects.
	Check if door is warped.	Use the door without warp.
Door starts to move.	Check rail retaining screws for looseness.	Tighten the screw.
Door does not move.	Check the upper rail if it is set horizontally.	Using a level gauge, reset upper rail horizontally.

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