

# LAMP® FD80-H SLIDING DOOR SYSTEM Installation Manual (Recessed Roller, Standard Sliding)

Part No.FD80HHP

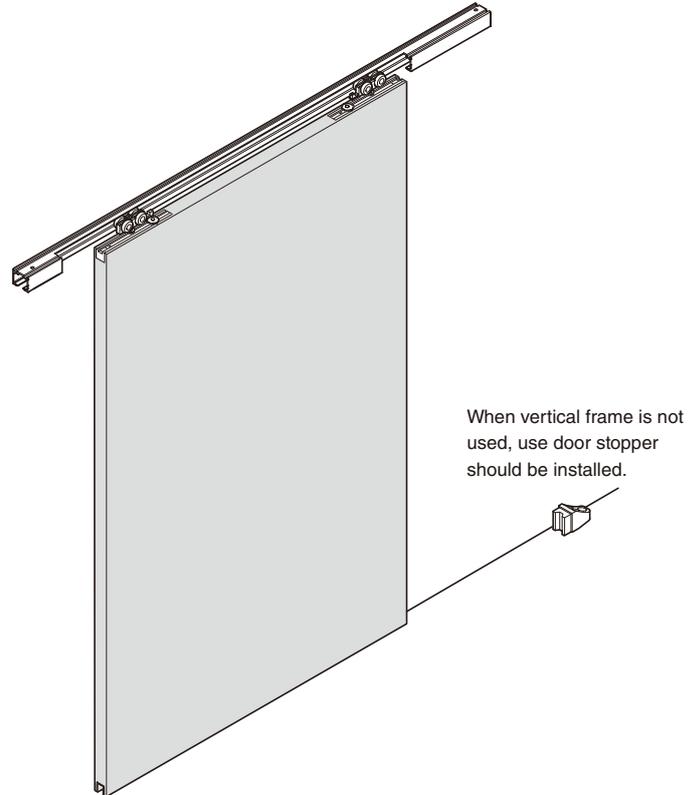
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

## ABOUT THE PRODUCT

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

## SPECIFICATIONS

Max.Door width	1500mm
Max.Door height	2500mm
Min.Door thickness	34mm
Max.Door weight	80kg
Height adjustable range	1mm 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.

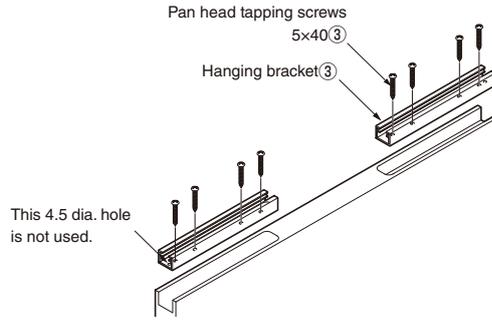
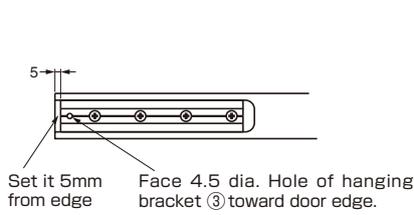
### ⚠ **Caution:** If these cautions are not followed, it may result in injury or damage.

- ⓘ 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).



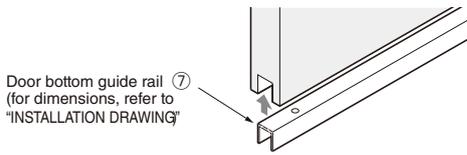
## 2. INSTALLATION OF HANGING BRACKET

Insert hanging bracket into the notch at upper part of door firmly, fix the bracket with attached Screws 5x40. Face hanging bracket to correct direction and install it at 5mm from door edge.



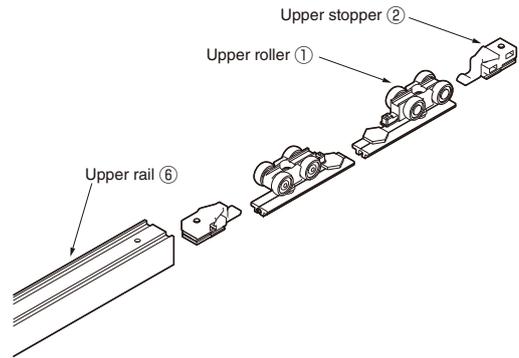
## 3. INSTALLATION OF DOOR BOTTOM GUIDE RAIL

Cut door bottom guide rail to same length 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).



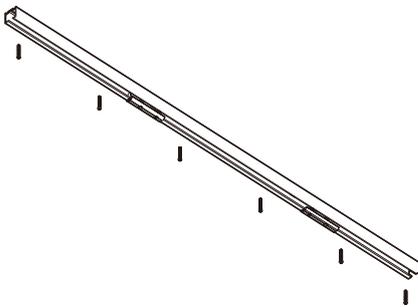
## 4. ASSEMBLY OF PARTS FOR RAIL

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



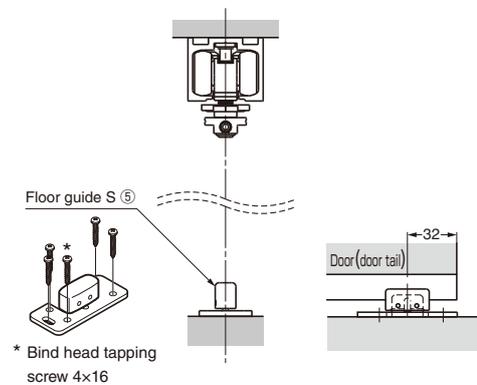
## 5. MOUNTING OF UPPER RAIL

Confirm that leading edge of the upper rail is in same direction as the leading edge of the door. Fix the upper rail with attached Screws 5x40.



## 6. INSTALLING FLOOR GUIDE S

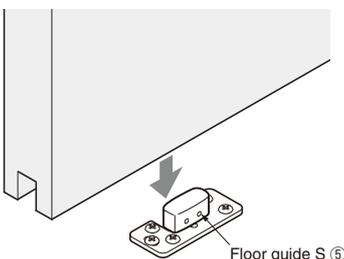
Install the Floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



# 2 HANGING THE DOOR AND ADJUSTMENT

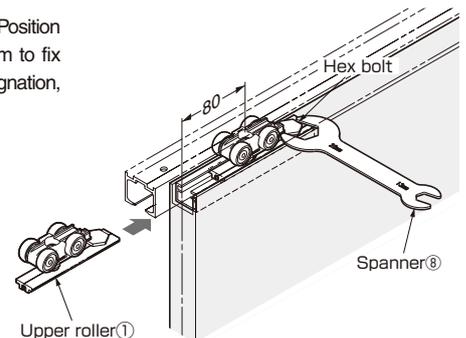
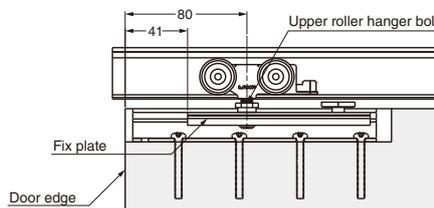
### 1. DOOR INSTALLATION (BOTTOM)

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



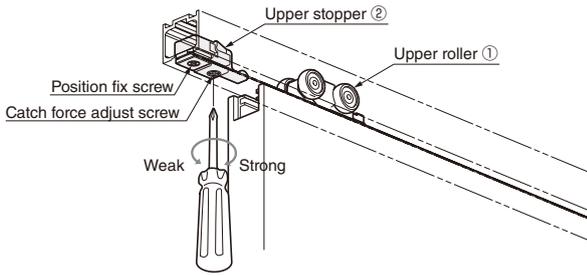
### 2. DOOR INSTALLATION (UPPER)

Insert the upper roller into the hanging bracket in the door. Position upper roller hanger bolt to 80mm from door edge (41mm to fix plate edge). Tighten fix bolt with spanner (22 nominal designation, accessory part).



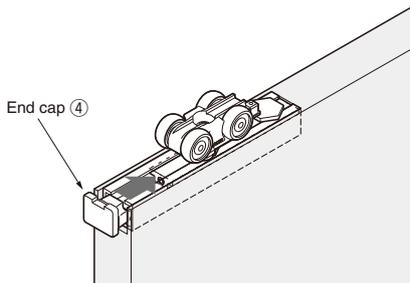
### 3. FIXING UPPER STOPPER AND ADJUSTMENT

- (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.



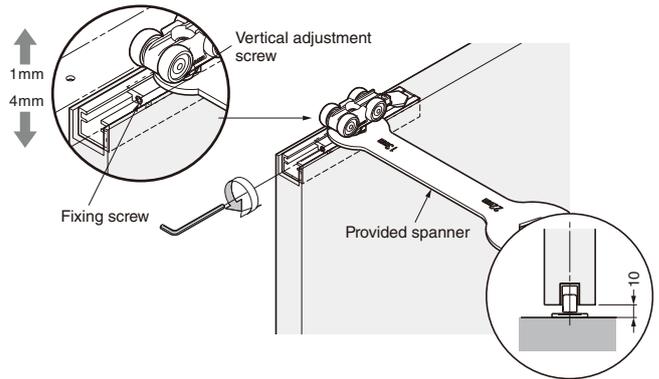
### 5. INSTALLATION OF END CAP

Insert end cap into hanging bracket, as shown in figure below.



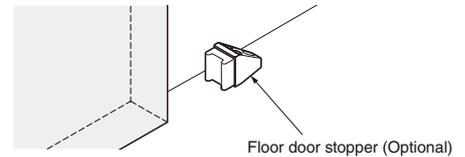
### 4. ADJUSTMENT OF DOOR HEIGHT

To adjust the door height turn the upper roller hanger bolt with provided spanner (13mm). The height adjustment range is +1mm to -4mm from factory setting (totally 5mm). Then, tighten upper roller fixing screw with provided spanner.



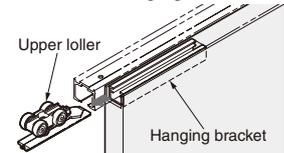
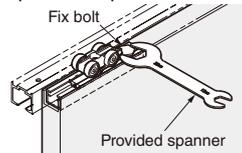
#### ■ INSTALLING DOOR STOPPER (FLOOR)

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) Remove End cap. (See left below.)
- (3) Loosen the Fix bolt with provided spanner.
- (4) Pull out the Upper roller from the Hanging bracket.



- (5) Remove the door from the Bottom 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	Solution
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 loose 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 does not move.	Check rail retaining screws for looseness.	Tighten the screw.
Door starts to move.	Check the upper rail if it is set horizontally.	Using a level gauge, reset upper rail horizontally.

**SUGATSUNE KOGYO CO.,LTD.**  
 Phone: +81 3 3866 2260  
 Fax: +81 3 3866 4447  
 E-mail: export@sugatsune.co.jp  
 Website: www.sugatsune-intl.com

**SUGATSUNE KOGYO (UK) LTD.**  
 Phone: +44 118 9272 955  
 Fax: +44 118 9272 871  
 E-mail: sales@sugatsune.co.uk  
 Website: www.sugatsune.co.uk

**SUGATSUNE AMERICA, INC.**  
 Phone: +1 310 329 6373  
 Fax: +1 310 329 0819  
 E-mail: sales@sugatsune.com  
 Website: www.sugatsune.com

**SUGATSUNE SHANGHAI CO., LTD.**  
 Phone: +86 21 3632 1858  
 Fax: +86 21 3632 1868  
 E-mail: lamp@sugatsune.com.cn  
 Website: www.sugatsune.com.cn