

# LAMP® FD30-H SLIDING DOOR SYSTEM Installation Manual (Two-Way Soft Close, Recessed Mount Roller)

Part No.FD30DHCP

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.

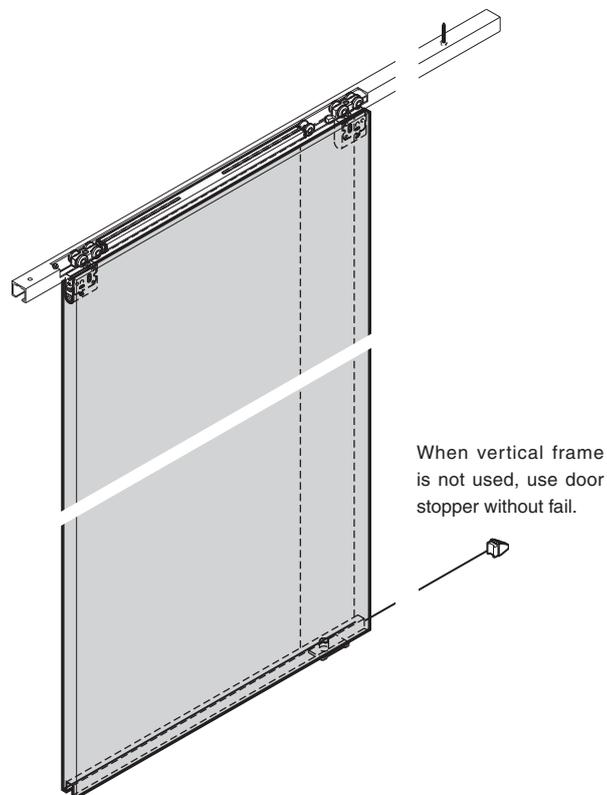
## ABOUT THE PRODUCT

- This product is a parts set for sliding door system for indoor use.
- The door closes in 2 step sequential soft motion; first slow, then fast, and opens with 1 step soft motion.
- Easy door installation and adjustment.

## SPECIFICATIONS

Max.Door width	590 – 1000mm
Max.Door height	2400mm
Min.Door thickness	24mm
Max.Door weight	30kg / door
Height adjustable range	3mm upward, 4mm downward
Forward / backward adjustment	±2mm

- 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 degrees centigrade.
- Door retraction: Retract door slowly.



## FOR YOUR SAFETY WORK AND OPERATION

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

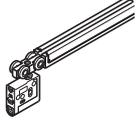
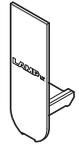
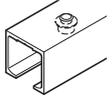
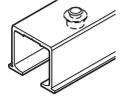
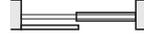
### **WARNING:** If these warnings are not followed, it may result in death or serious injury.

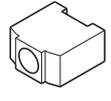
- ⓘ This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ⓘ It is necessary to manufacture the frame with sufficient strength so it endures the weight 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.

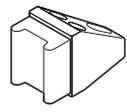
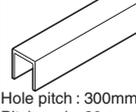
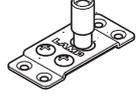
### **Caution:** If these cautions are not followed, it may result in injury or damage.

- ⓘ 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 furniture 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	⑥	
Name	Dual Soft Closer	Upper roller	Cover cap for upper roller	Trigger	Floor guide	Upper rail	Upper rail (recessed mount)
Item No.	FD30-WRH-DSC	FD30-WRH-N	FD30-WRH	FD30-TRG	FD30-HBG	FD30-TRM	FD30-TRH
Item	 Accessory screw: Pan head tapping screw 3.5x30 ..... 3pcs	 Accessory screw: Pan head tapping screw 3.5x30 ..... 3pcs		 Trigger  Jig	 Accessory screw: Countersunk head tapping screw 3.5x30 ..... 4pcs	 (various sizes) Hole pitch : 300mm Pitch end : 30mm Recommended screw : Countersunk head tapping screw 3.5x20	
Single sliding	 1pc	1pc	2pcs	1pc	1pc	Use 1 (surface mount or recessed)	
Double sliding	 2pcs	2pcs	4pcs	2pcs	2pcs	Use 2 (surface mount or recessed)	
In line sliding	 2pcs	2pcs	4pcs	2pcs	2pcs	Use 2 (surface mount or recessed)	

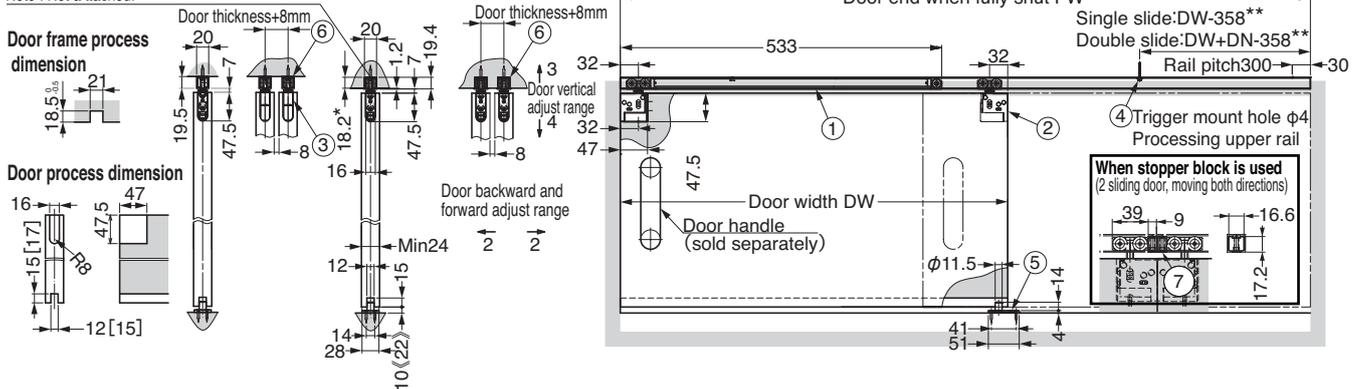
No	⑦
Name	Stopper
Item No.	FD30-HSB
Item	
Single sliding	—
Double sliding	—
In line sliding	2pcs

OPTIONAL PARTS	No	⑧	⑨	⑩	⑪
	Name	Door stopper (floor mount)	Recessed guide rail under door	Floor guide (long shaft)	Spanner
Item No.	FD30-HTKY	FD30-HBRT	FD30-HBGH	FD30-FSP	
Item	 Accessory screw: Bind head tapping screw 4x30 ..... 3pcs	 1000mm / 1500mm Hole pitch : 300mm Pitch end : 30mm Recommended screw: Countersunk head tapping screw 4x20	 Accessory screw: Pan head tapping screw (Stainless steel) 3.5x30 ..... 4pcs		

# INSTALLATION DRAWING (EXAMPLE)

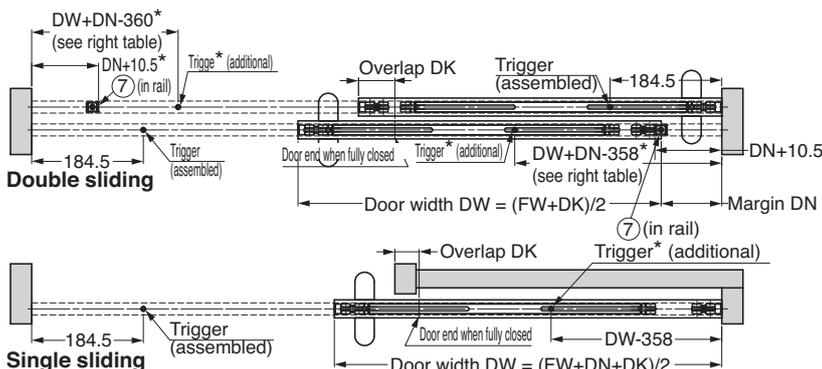
Recommended screw : Philips flush tapping screw

Note : Not a ttached.



Dimension in [ ] : When recessed guide rail (option) is used.

( ) : When long shaft floor guide (option) is used.



**INSTALLATION DIMENSIONS FOR TRIGGER 2**  
Please add the Margin DN to dimension for Trigger 2, if you are using a protruding handle.  
Example shown Below.

DW	**[Margin DN = 0 mm] Installation dimension for Trigger 2	* Example [Margin DN = 70 mm] DW+DN-358 is the Installation dimension for Trigger 2
1,000	642	712
1,100	742	812
1,200	842	912
1,300	942	1012
1,400	1042	1112
1,500	1142	1212

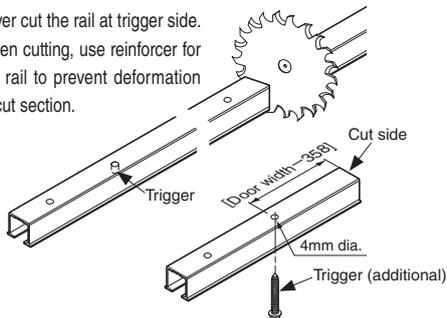
\* For Double sliding only.

## 1 PREPARATION AND INSTALLATION

### 1. Cutting rail

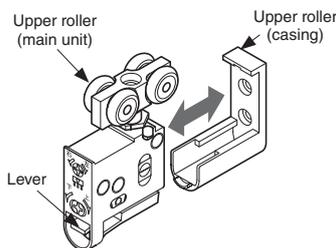
Cut the rail at the side, where additional trigger is not used, to required length. Install additional trigger to the dimension from rail end.

- ⚠ Never cut the rail at trigger side.
- ⚠ When cutting, use reinforcer for the rail to prevent deformation at cut section.



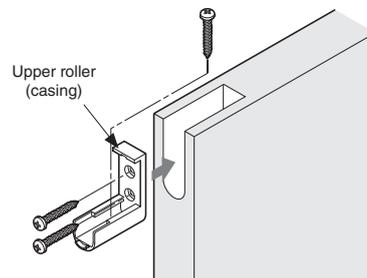
### 2. Preparation of mounting parts

Dual soft closer and upper roller: Pull up lever to separate main unit from casing.

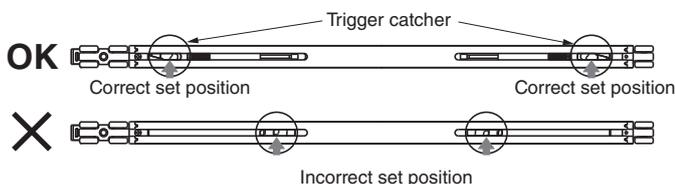


### 3. Installing casing

Firmly insert upper roller casing into the place as shown, fix it with attached screws.



### 4. Confirmation before installing the dual soft closer



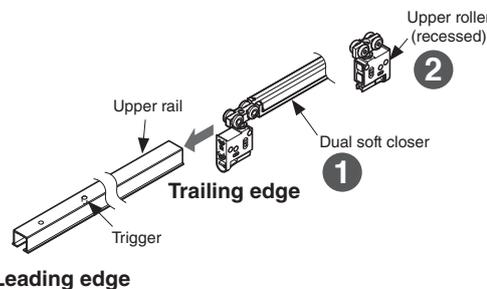
If the position is wrong, pull back the trigger catcher to the correct position using 6mm diameter round hard bar.

- ⚠ If the closer is installed without conformation, it will cause the trouble such as no-sliding of door.

### 5. Assembly of parts and installing upper rail

Assemble the parts in order of ① to ② with care of direction.

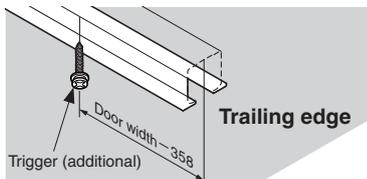
- ⚠ Tape around upper roller and upper rail to prevent drop of inserted parts. Taking care direction of Leading edge/Trailing edge, install upper rail to upper frame.



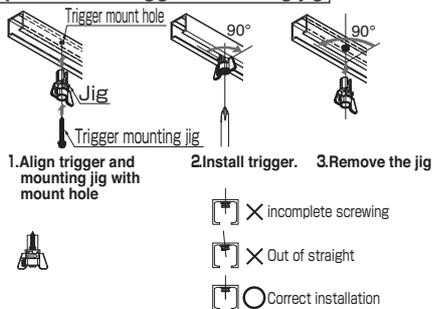
### 6. Trigger installation

According to "Installation Drawing," install additional trigger to 4mm dia. hole (processed at door tail side) using trigger mount jig attached. (Refer to the video for detail.)

- ⚠ Set the additional trigger vertically. Or, improper movement will be resulted.

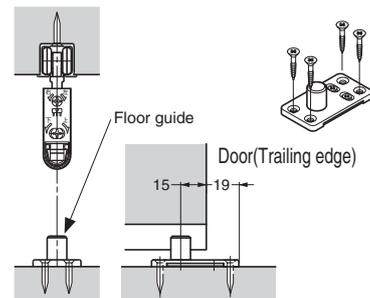


### Operation of trigger mounting jig



### 7. Floor guide

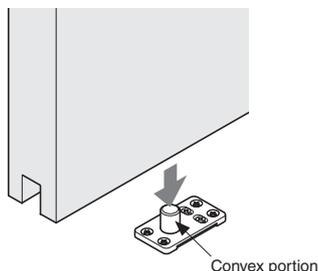
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



## 2 HANGING THE DOOR AND ADJUSTMENT

### 1. Door installation (bottom)

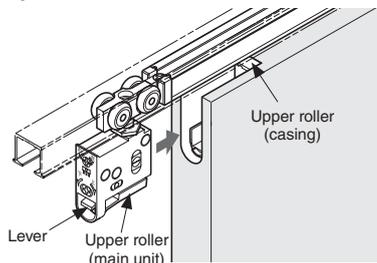
Insert the floor guide in the groove, and then hang the door.



### 2. Door installation (upper)

Insert upper roller main unit into door side casing, and push in lower end of upper roller until "click" sound is heard.

- ⚠ Confirm that upper roller main unit is not dislocated from casing, for both door head and door tail sides.

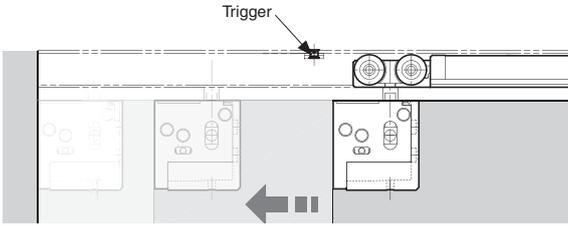


### 3. Confirmation of sliding door closer operation

Slowly move the door toward door head, and confirm that sliding door closer starts its function at approx. 100mm before full-close position. Also, confirm that the door tail vertical frame closer starts its function at approx. 50mm before full-close position. And, carry out similar confirmation for door tail direction.

When closer is not working correctly, take remedy according to "Troubleshooting".

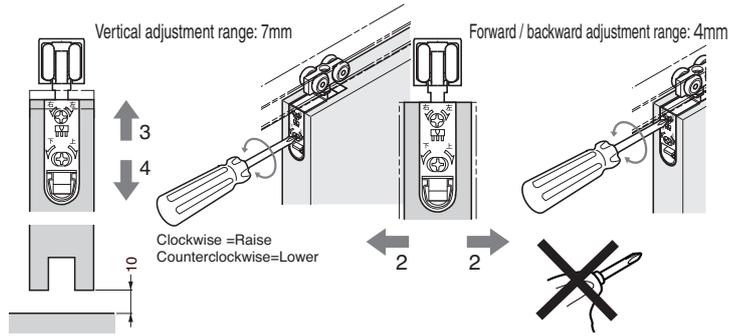
⚠ Do not close the door with excessive force. It may cause damage or malfunction of soft close mechanism.



### 4. Adjusting door position

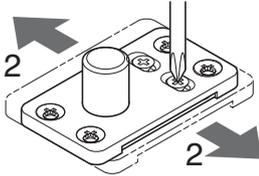
Adjust door such that door is parallel to upper rail with 10mm clearance between door and floor.

- ⊗ Do not turn adjustment screw more than adjustment range.
- ⊗ To avoid damage on the adjustment screw do not use motor screw driver.



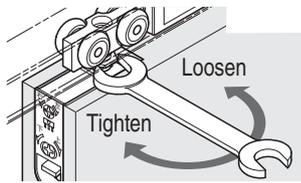
### 5. Adjusting floor guide: adjust range is 4mm.

Slowly close and open the door. If door is not moved smoothly, it is necessary to make forward / backward adjustment for floor guide and door.

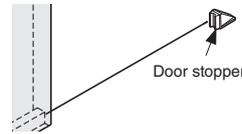


### 6. Fixing jump prevention nut

With spanner 12, tighten dual soft closer and upper roller jump protect nuts until they will contact to main unit. Push in cover cap between door and upper roller.

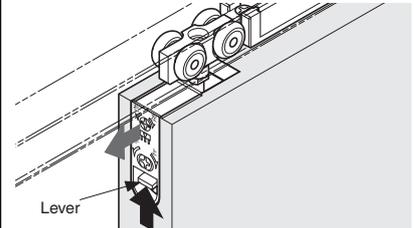


When vertical frame is not used, use door stopper without fail.



### Removing door

When removing the door Use a 10mm support under the door. Then pull out the upper roller main unit from the door while raising the lever.



**Final confirmation** Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

### PERIODICAL INSPECTION

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

## TROUBLESHOOTING

Trouble	Check	Solution
Door stops during soft closing	Check if door bottom contacts with floor.	Confirm that rail fixing screws are not loosened. Then, adjust door height such that clearance between door bottom and floor becomes 10 mm.
No soft closing	Check if trigger is installed.	Install the trigger to correct position.
	Check if hook lock is used.	Depending upon specification of hook lock, soft closer may not be able to close the door. Please contact us.
Abnormal noise during operation	Check if door touches other parts.	Provide necessary space between door and adjacent objects.
	Check rail rollers for aluminum dust.	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 touches adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of floor guide or stopper.
	Check if door is warped.	Use the door without warp.
Door does not move.	Check rail retaining screws for looseness.	Roller touches with screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper rail is set horizontally.	Using a level gauge, reset upper rail horizontally.

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

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

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

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