

LAMP® FD30-MG MAGNET LOWER GUIDE INSTALLATION MANUAL

Thank you very much for selecting FD30-MG magnet lower guide. Please read this Installation Manual thoroughly before installation. After completing installation, hand this manual to the user. Please ask the user to keep this manual at hand to be able to refer to it when required.

■ ABOUT THIS PRODUCT

This product is prepared as a lower guide for the ceiling mount sliding door. The lower guide pin installed on the floor is working with this product to prevent excessive vibration of sliding door.

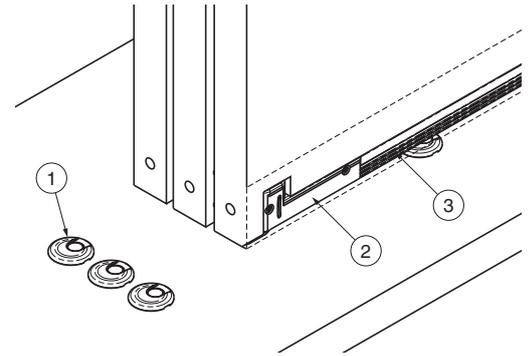
This product is provided with automatic adjusting function to most appropriate height of magnet.

■ FOR SAFETY OPERATION

⚠ WARNING: If this warning is not followed, death or serious injury may be resulted.

⚠ High-power Neodymium magnet is used. As it affects heart pacemaker, do not access the magnet. The pacemaker should be more than 30 cm apart from lower leading edge of the door for installation or operation.

*The magnet may affect other medical electronic devices. Please check with the manufacturer for details.



Meaning of Symbols

| | |
|--|----------------------------|
| | Prohibited actions. |
| | Actions that must be done. |

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

⚠ Please clean around the guide pin periodically, to prevent improper operation due to dust or dirt.

⚠ If liquid such as juice is spilled over the guide pin, causing improper operation of guide pin, pull up guide pin and wipe clean with wet cloth.

⚠ When cleaning floor with wax or solvent, be careful to avoid entering into guide pin (to avoid poor operation).

⚠ When magnet contact face is contaminated, remove foreign material, to prevent defective operation.

⚠ This product is designed for use on wood floor with thickness of more than 12mm. It is not possible to install on concrete or mortar floor. Also, soft floor such as padded floor must be avoided.

⚠ When sliding the door, guide pin may generate operating sound (due to structure).

⚠ When protrusion of guide pin is not returned, push back manually to prevent injury. Check out its cause and correct it.

⊘ Do not operate the door with excessive force. Do not give excessive shock to the door. Such operation may cause accident or injury.

⊘ Use recessed handle for the door. Do not use a bar handle as shown to the right.

⚠ When removing the door, guide pin should be fully removed from the door. If not damage of door (metals) and injury may be caused.

⚠ This product is designed for normal homes. Do not install it in public facilities.



■ SPECIFICATIONS

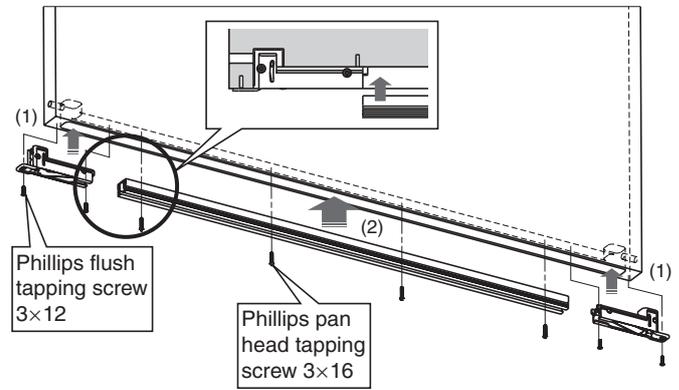
| Sliding door specification | Door width | Door height | Door thickness | Door weight | Door bottom-to-floor space | Floor thickness |
|----------------------------|--------------|-------------|----------------|----------------|----------------------------|-----------------|
| Ceiling-mount sliding door | 590 ~ 1000mm | Max. 2500mm | Min. 30mm | Max. 40kg/door | 10mm(±4mm) | Min. 12mm |

■ PARTS DETAIL

| PARTS | ①Lower Guide Pin | ②Magnet Guide Support | ③Lower Guide Rail |
|-------------------------|--|---------------------------------------|--|
| | | | |
| ATTACHED SCREW | Phillips pan head tapping screw 3x14 (2) | Phillips flush tapping screw 3x12 (2) | Phillips pan head tapping screw 3x16 (4) |
| INSTALLATION EXAMPLE | Quantity | | |
| Double sliding door | 8 | 4 | 2 |
| 2-door sliding | 10 | 4 | 2 |
| Triple sliding door | 18 | 6 | 3 |
| 3-door sliding | 18 | 6 | 3 |
| 4-door separating | 16 | 8 | 4 |

3. Mounting parts to door bottom

- (1) Mount magnet guide support to both ends of slide door bottom.
 - (2) Mount magnet guide support to convex of rail.
- *Check the proper alignment between Magnet guide support and lower guide rail.



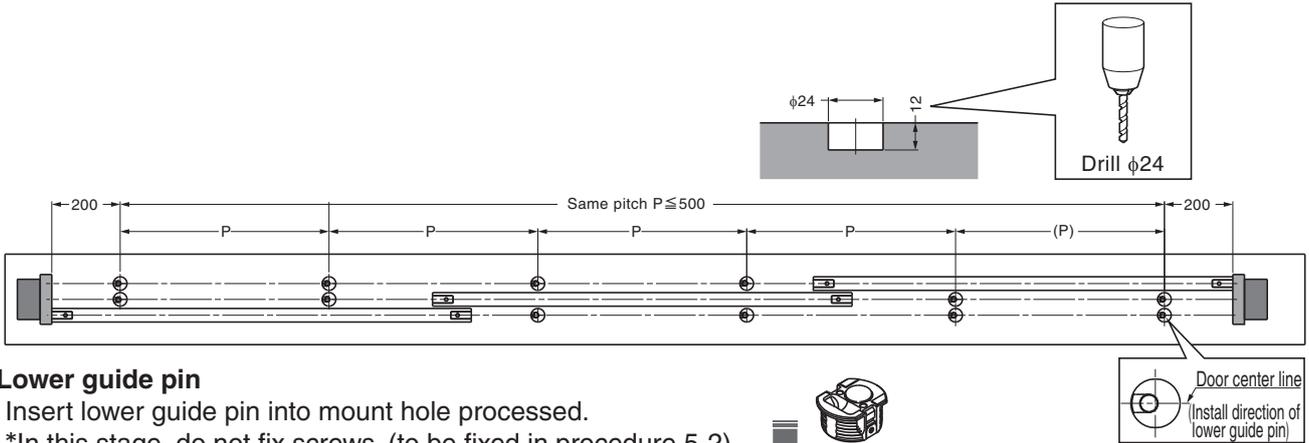
[Procedure 2: Installing lower guide pin]

1. Processing lower guide pin mount hole

Using a plumb, determine the hole positions just vertically under the positions of upper rail of sliding door.

To the determined positions, process mount holes (depth of 12mm) for lower guide pin using 24mm dia. drill.

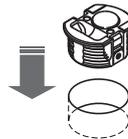
*Guide pin mount holes should be processed correctly to vertical status. After opening the holes, remove processed foreign matters from the hole.



2. Lower guide pin

Insert lower guide pin into mount hole processed.

*In this stage, do not fix screws. (to be fixed in procedure 5-2).



[Procedure 3 Door Installation]

Referring Installation Manual of the door, install the door.

Set the clearance between floor and door bottom to the range of 10mm ±4mm.

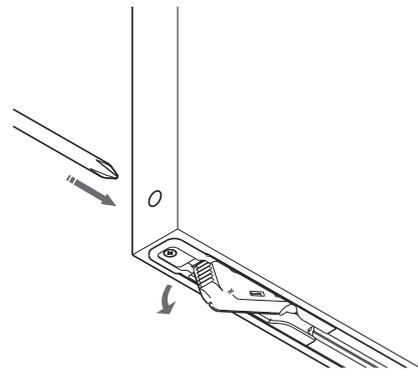
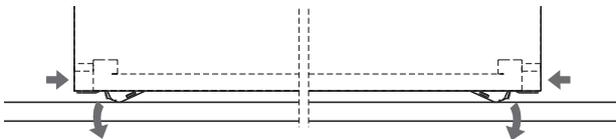
[Procedure 4 Adjusting]

1. Setting height of magnet guide support

(1) Lowering guide pin support

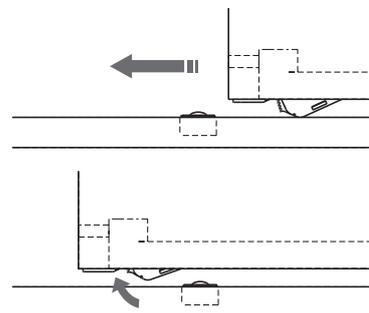
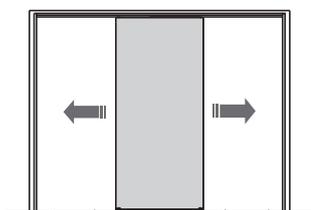
Insert a screwdriver or the like into hole at lower frame to push magnet guide support button.

Then, guide pin support comes down. For every magnet guide support, carry out this procedure.



(2) Automatic setting by slowly sliding the door

Slowly slide the door to pass the lower guide pin on the floor. When door passes on lower guide, lower guide pin support goes over lower guide pin. This automatically sets the height of guide pin support.



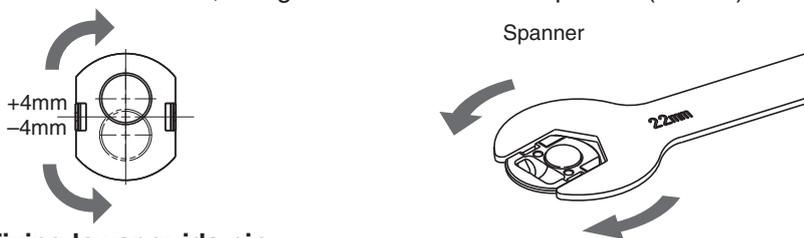
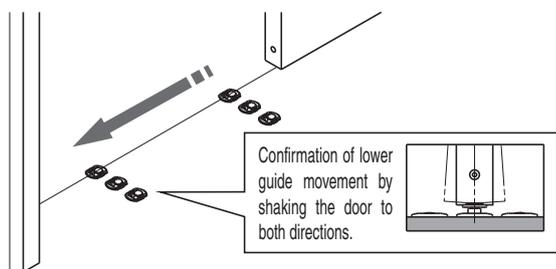
[Procedure 5: Confirming lower guide function and positioning of lower guide pin]

1. Confirming lower guide movement

Slowly slide the door to make it passes over lower guide pin, for confirmation.

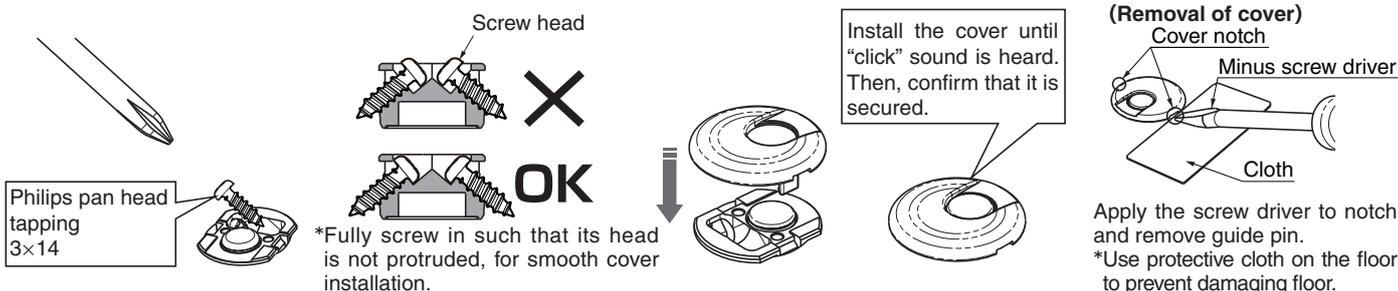
When sliding the door to both directions, the lower guide pin should be attracted by magnet guide support being drawn inside of door guide rail. Confirm this movement.

If the above movement is not confirmed, adjust lower guide pin main unit direction, using the exclusive tool or spanner (22 dia.).



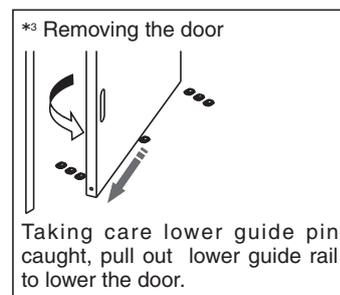
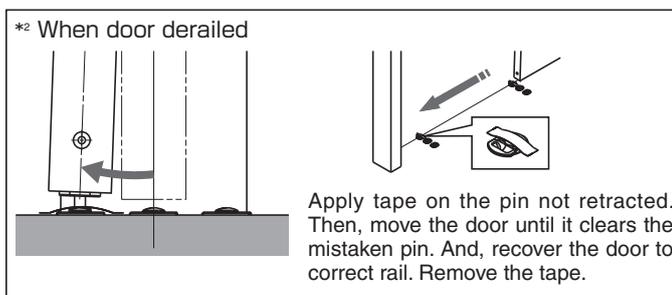
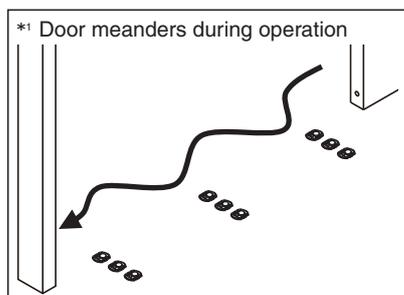
2. Fixing lower guide pin

After adjusting of lower guide pin direction, fix lower guide pin to the floor with attached two Phillips pan head screws 3×14. After fixing the pin, insert cover to the lower guide pin until click-sound is heard. Carry out this procedures for all lower guide pins.



■ TROUBLESHOOTING

| Trouble | Check | Solution |
|---|---|--|
| No response of lower guide pin during sliding | Check if dust is caught at lower guide pin. | Dust or dirt on guide pin causes poor function of guide pin. Raise pin by finger and remove dust or dirt. |
| | Check if magnet guide support height adjustment was done correctly. | Set height of magnet guide support, referring " [Procedure 4 Adjustment] ". |
| | Check if clearance between door bottom and floor is set correctly. | When the clearance becomes out of specified range (10mm ±4mm), normal operation is not done. Door height must be adjusted. |
| Lower guide pin functions, but pin would not entered in the rail. | Check if lower guide pin position was adjusted in correct procedures. | Determine lower guide pin position, referring [Procedure 5 Confirming lower guide function and positioning of lower guide pin] . |
| | Check if absorbing section of magnet guide support catches foreign matters. | Remove foreign matters. |
| *1 Door meanders during operation | Check if lower guide pin position is done correctly. | Readjust lower guide pin position, referring [Procedure 5 Confirming lower guide function and positioning of lower guide pin] . |
| *2 Door is derailed. | Check if the door is guided by next door guide. | Return the door to correct guide, referring the illustration below, center. |
| *3 Precautions when removing the door | Confirm that lower guide pin is pulled out from door. | Remove ceiling-mount metal. Pull out guide pin from door, referring the illustration below right. |



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