

LAMP® FD50-H SLIDING DOOR SYSTEM Installation Manual (Two-Way Soft Close, Recessed Mount Roller)

Part No.FD50DHCP

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.

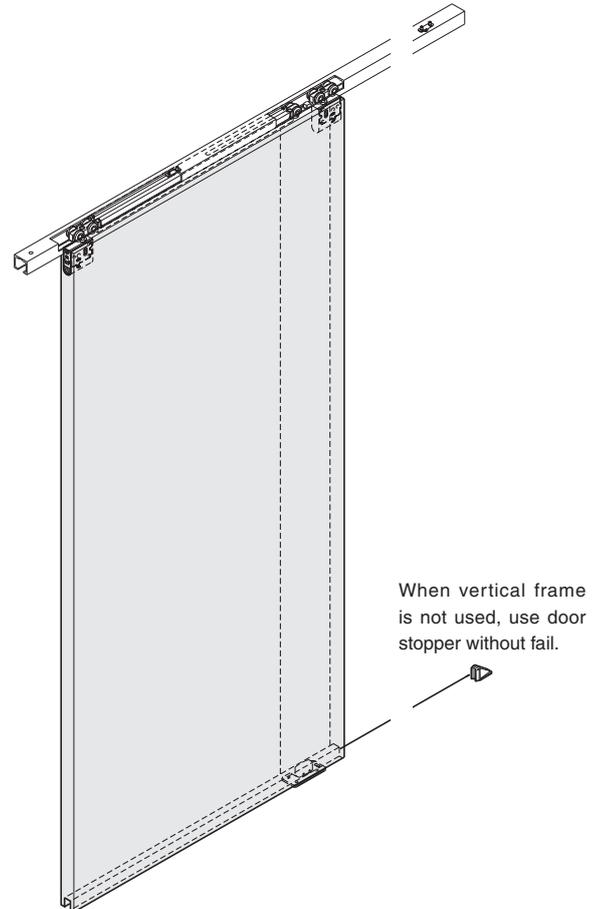
ABOUT THE PRODUCT

- This product is a parts set for sliding door system for indoor use.
- Dual soft closer enables two-way soft closing motion for both direction.
- Easy door installation and adjustment.

SPECIFICATION

Max.Door width	680 – 1500mm
Max.Door height	2400mm
Min.Door thickness	24mm
Max.Door weight	50kg / 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.



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

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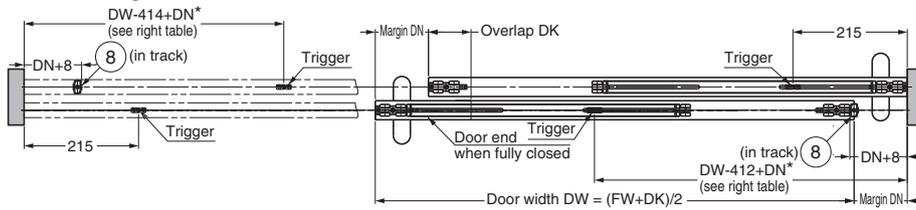
⚠ WARNING: If these warnings are not followed, it may result in death or serious injury.

- ❗ 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.

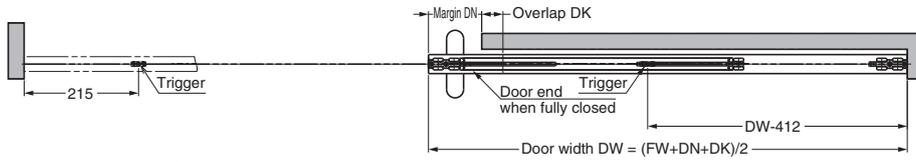
⚠ Caution: If these cautions are not followed, it may result in injury or damage.

- ❗ 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 track 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).

Double sliding



Single sliding



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-412 is the Installation dimension for Trigger 2
1,000	588	658
1,100	688	758
1,200	788	858
1,300	888	958
1,400	988	1,058
1,500	1,088	1,158

*For Double sliding only.

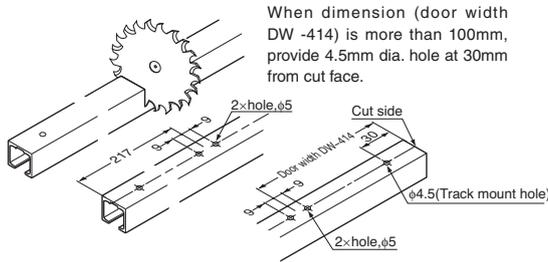
ASSEMBLY

1 PREPARATION AND INSTALLATION

1. Cutting and providing hole on upper track

Cut to suitable length. For cutting and making hole, refer to illustration below.

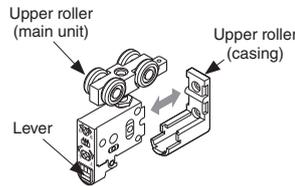
⚠ When cutting, use reinforcer for the track to prevent deformation at cut section.



When dimension (door width DW -414) is more than 100mm, provide 4.5mm dia. hole at 30mm from cut face.

2. Preparation of mounting parts

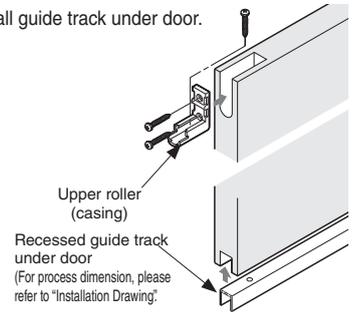
Dual soft closer and upper roller: Pull up lever to separate main unit from casing.



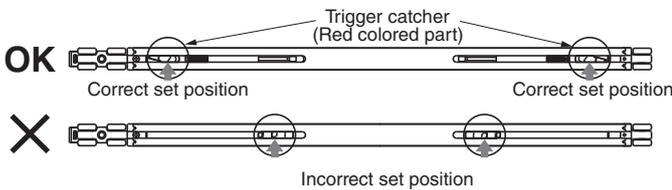
3. Installing casing and built-in guide track under door bottom

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

Install guide track under door.



4. Confirmation before installing the dual soft closer



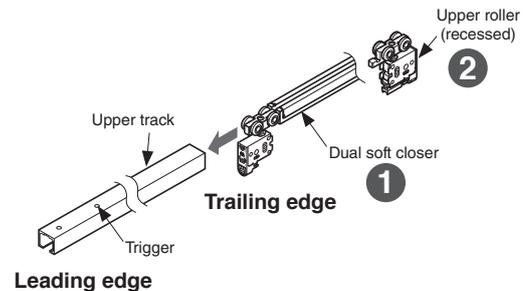
If the position is wrong, pull back the trigger catcher to the correct position using 6mm diameter round hard bar.

⚠ 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 track

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

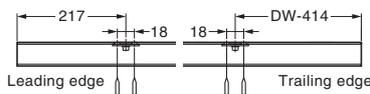
⚠ Tape around upper roller and upper track to prevent drop of inserted parts. Taking care direction of Leading edge/Trailing edge, install upper track to upper frame.



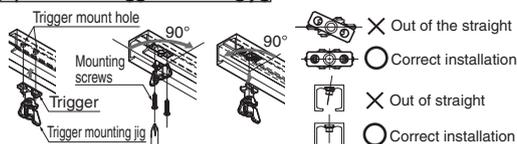
6. Trigger installation

According to "Installation Drawing," install trigger with attached screws at leading edge side (217mm) and at trailing edge side (door width-414(DW)).

⚠ Screw in the screws vertically. If screw head is positioned outside the trigger, poor function may be resulted.



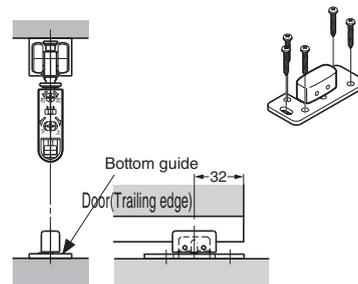
Operation of trigger mounting jig



1. Align trigger and mounting jig with mount hole. 2. Install trigger. 3. Remove the jig.

7. Floor guide

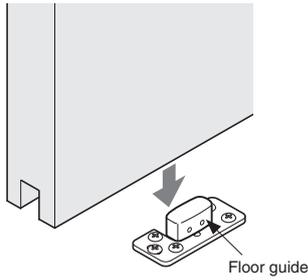
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING THE DOOR AND ADJUSTMENT

1. Door installation (bottom)

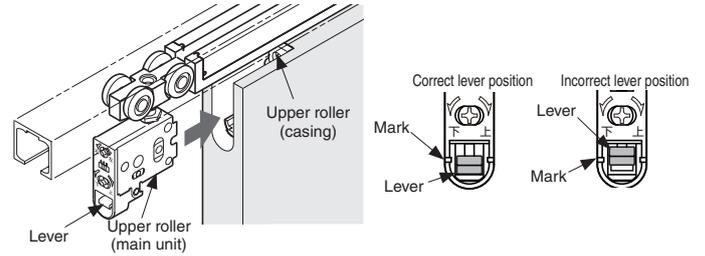
Put a 10mm support under the door. Insert the floor guide in the groove, and then hang the door.



2. Door installation (top)

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

Confirm that the lever is positioned at the mark on upper roller (main unit), as shown.
 ▲ Ensure that roller main unit is securely attached to the casing.

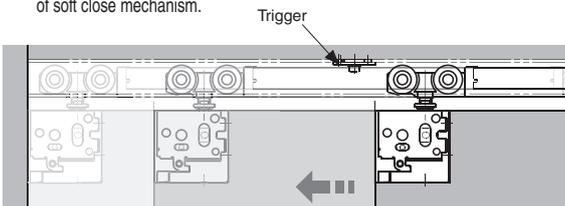


3. Confirmation of sliding door closer operation

Slowly move the door toward door head, and confirm that sliding door closer starts its function at approx. 115mm 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.

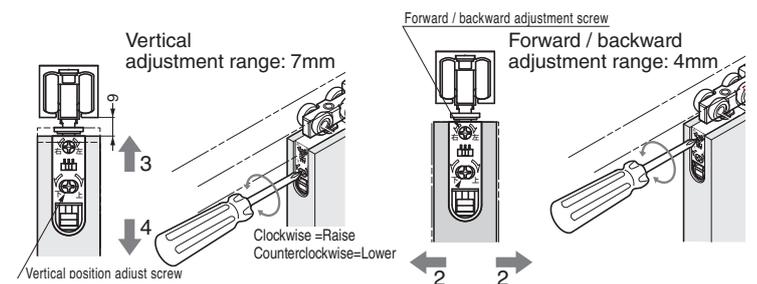


4. Adjusting door position

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

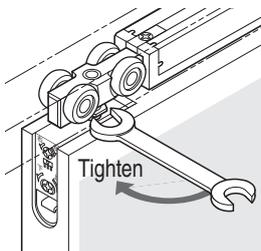
⊘ Do not turn adjustment screw more than adjustment range.

⊘ To avoid damage on the adjustment screw, do not use motor screw driver.

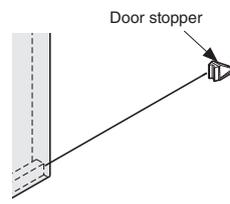


5. Fixing jump prevention nut

With spanner 12, tighten dual soft closer and upper roller jump protect nuts until they will contact to main unit.

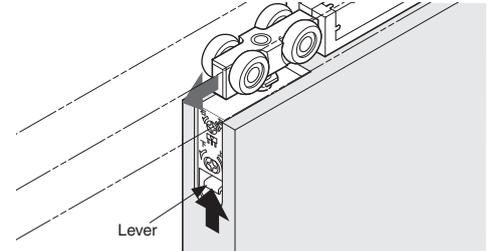


When vertical frame is not used, install door stopper, without fail.
 Use door stopper of "Option 1".



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 track.
- 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 track 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. Check if hook lock is used.	Install the trigger to correct position. 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 track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
	Check for loose screws retaining the upper track.	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 track retaining screws for looseness.	Roller touches the screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset upper rail horizontally.

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