

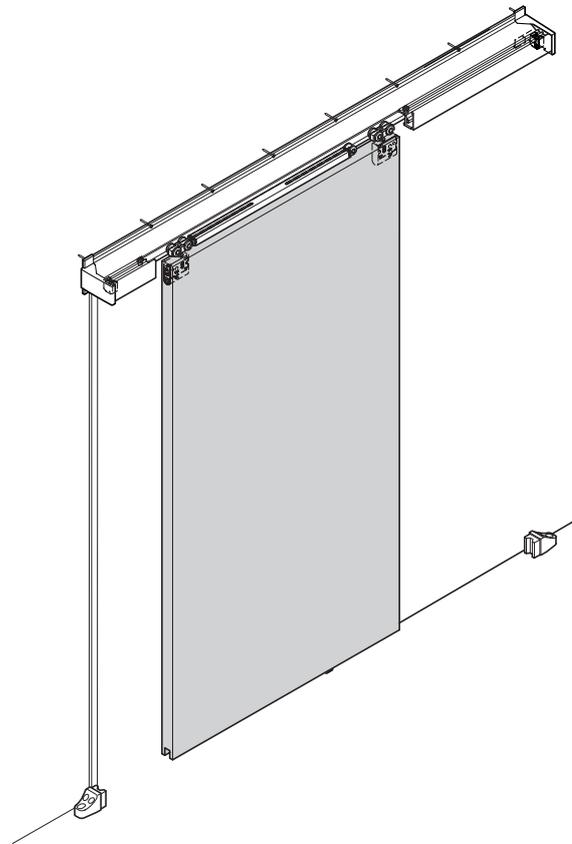
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

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

SPECIFICATIONS

Max.Door width	590 ~ 1000mm
Max.Door height	2400mm
Door thickness	30 ~ 36mm
Max.Door weight	30kg/door
Height adjustable range	3mm upward, 4mm downward
Right-and-left adjustment	2mm leftward, 2mm rightward



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.

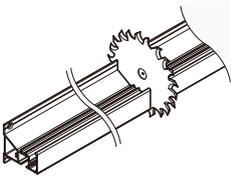
! Caution: If these cautions are not followed, it may result in injury or damage.

- ! 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 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).

1 PREPARATION AND INSTALLATION

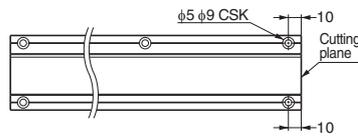
1. Cutting the rail

Cut to required length (refer to "Installation Drawing")



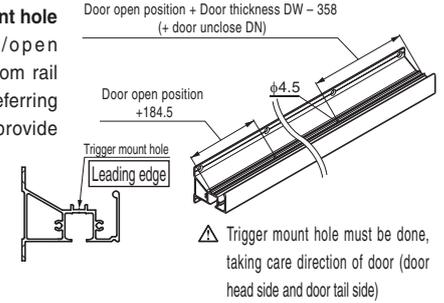
2. Processing mount hole

At 10mm from rail edge, process two holes (upper and lower)



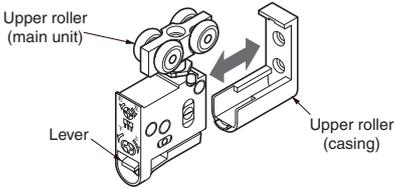
3. Processing trigger mount hole

Confirm door close/open position and distance from rail end at open position, referring "Installation Drawing", provide two 4.5mm dia. holes.



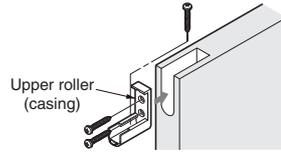
4. Preparation of mounting parts

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



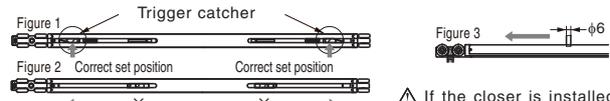
5. Installing casing

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



6. Confirmation before installing the dual soft closer

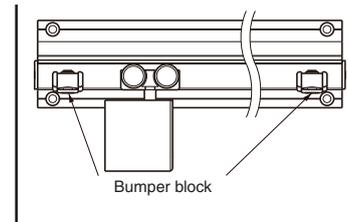
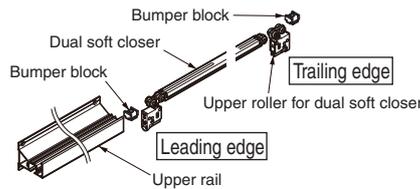
Confirm that the trigger catcher is at the position shown in Figure 1. If the trigger catcher is at the position shown in Figure 2, pull back the trigger catcher to position in Figure 1 using 6mm diameter hard bar.



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

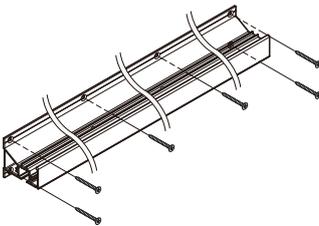
7. Installation of dual soft closer and upper roller

Set parts on upper rail. Set parts to correct direction, taking care for Leading edge and Trailing edge. Temporarily set a bumper block at both ends on the rail to prevent drop of parts.



8. Installation of upper rail

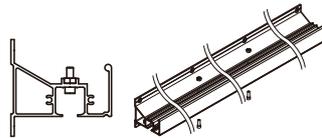
Using Philips head tapping screw 4x40 attached to rail, install upper rail to the wall.



⚠ Before fixing door, confirm that it is set horizontally.

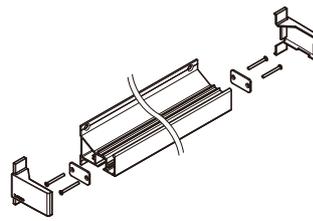
9. Installation of trigger

Using attached hexagonal nut M4, mount outset trigger on outset upper rail.



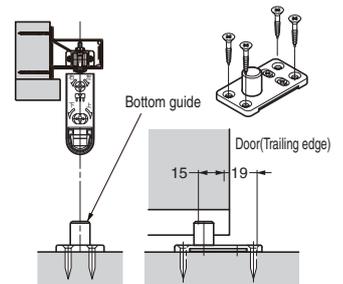
10. Installation of side cover

Using attached screw, install stopper plate on outset upper rail. Then, insert side cover to the rail.



11. Floor guide

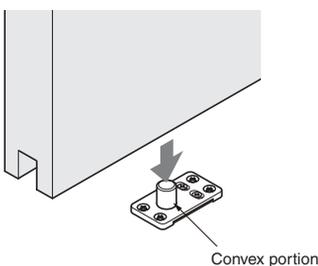
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING THE DOOR AND ADJUSTMENT

1. Door installation (bottom)

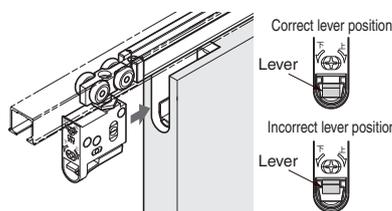
Put 10mm support under the door. Insert the floor guide in the groove, and then hang the door.



2. Door installation (upper)

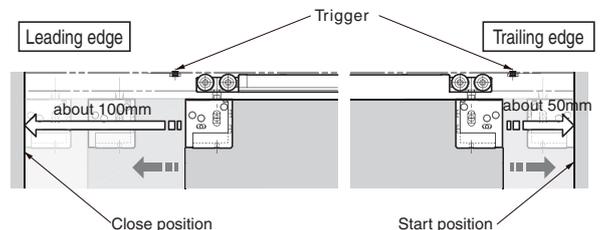
Insert upper roller (main unit) into door side casing, push in lower end of upper roller until a "click" sound is heard. Confirm that the lever is positioned at the mark on upper roller (main unit), as shown.

⚠ Ensure that roller main unit is securely attached to the casing.



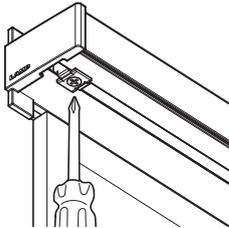
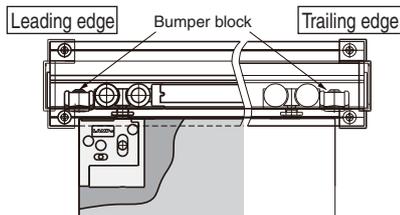
3. Confirmation of dual soft closer operation

Remove 10mm support under the door. Slowly slide the door toward door head side to confirm that dual soft closer starts its function at 100mm prior to door close position. Confirm that door is fully closed. Also for door side, confirm that the closer start its function at approximately 50mm from close position.



4. Fixing bumper block position

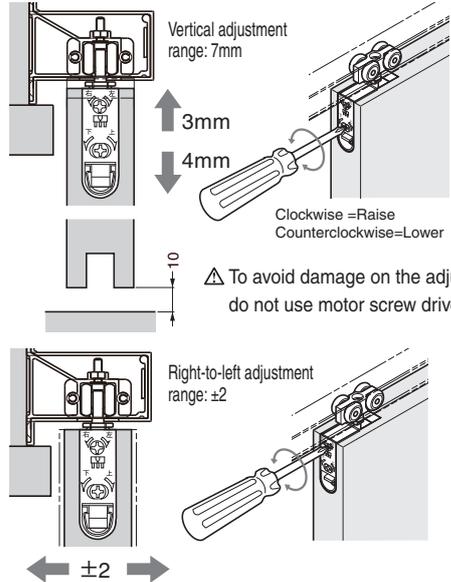
Adjust position of bumper block in the rail such that door stops at correct positions.



5. Adjusting door position

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

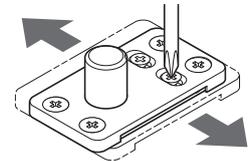
⚠ Do not turn adjustment screw more than adjustment range.



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

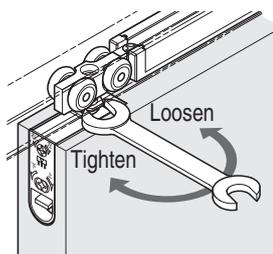
6. Adjusting Floor guide: adjust range is ±2mm.

Slowly close and open the door. If door is not moved smoothly, it is necessary to make left-to-right adjustment for Floor guide and door.



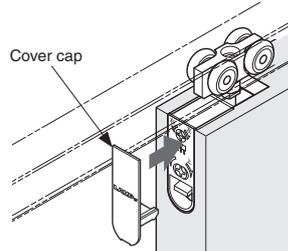
7. Fixing jump prevention nut

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



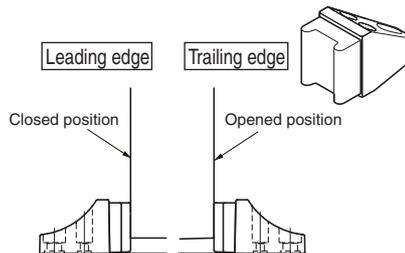
8. Putting Cover cap

Push in cover cap between door and upper roller.



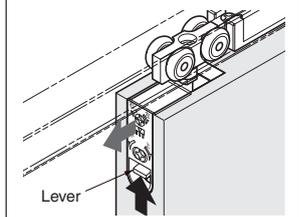
9. Installing door stopper (floor)

Fix door stopper (floor) to correct position with attached three Philips bind tapping screws(4x30).



When removing the door

Use a 10mm support under 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 door stops before door stopper.	Close the door completely. This will reset the function.
	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 adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of lower guide or stopper.
	Check inside of rail for foreign matter or aluminum dust.	Remove dust or foreign matter.
	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 starts to move.	Check if the upper rail is set horizontally.	Using a level gauge, reset upper rail horizontally.

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