

SOFT CLOSING FLIPPER DOOR MECHANISM: OV-1 & 2 (OVER-THE-TOP TYPE) INSTALLATION INSTRUCTION

PAT. P

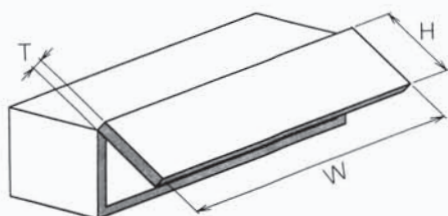
Please read this instruction sheet carefully for proper installation and operation. Incorrect installation and improper use of the product may cause damage to the unit, and can also cause injury. This instruction sheet should be kept by the user after installation.

COMPONENT PARTS REQUIRED PER CABINET

①	②	③	④	① Main Body (soft-closing hinge mechanism with slide)	2 pcs.
②	③	④	⑤	② Mounting Plate	4 pcs.
③	④	⑤		③ M4 X 26 Flat Head Machine Screw (for wooden top board of 19~20 mm T) *	8 pcs.
④	⑤			④ M4 X 8 Binding Head Machine Screw (for metal top board of 1.5 mm T)	8 pcs.
⑤				⑤ M4 X 10 Binding Head Tapping Screws for installing slide.	

Note: * In case of top board thicker than 20 mm (25/32"), longer screws (top board thickness plus 6 mm) are required.

FLIPPER DOOR WEIGHT AND SIZE



The product must be applied to a door with specific weight and size. Door weight and size should be as follows based on 2 units per door.

Door weight: 3 – 5 kgs. (6 – 11 lbs.) for OV-1 (light duty)
5 – 8 kgs. (11 – 18 lbs.) for OV-2 (heavy duty)
Door thickness (T): 19 mm (3/4") or 20 mm (as standard)
Door width (W): 700 – 1,400 mm (27 – 58")
Door height (H): 350 – 450 mm (13 – 18")

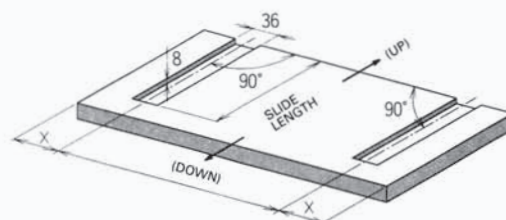
DIMENSIONAL INFORMATION FOR FABRICATION

A) DOOR FABRICATION

Router back of the door accurately, as indicated in the drawing, and make sure the two grooves are perfectly aligned.

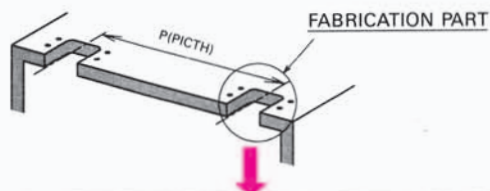
$X = 80$ (In case the flipper door is inset for sideboard.)

$X = 80 + \text{sideboard thickness}$ (In case the flipper door is overlay for sideboard.)

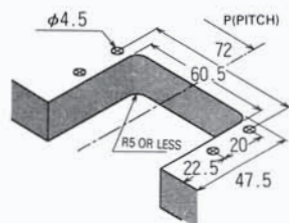


B) TOP BOARD FABRICATION

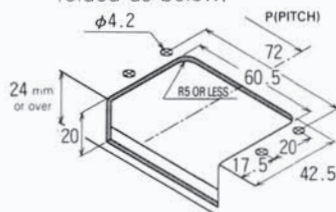
Cut off 2 sections as indicated in the drawing, and make sure the distance "P" is exactly the same as the distance "P" of the door.



Wooden top board thickness
19 mm (3/4") or 20 mm



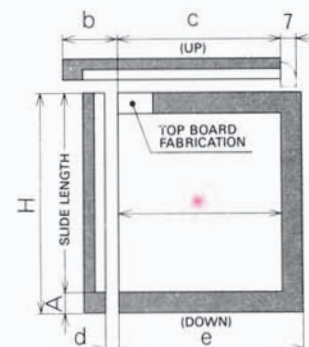
Metal top board thickness
24 mm (15/16") or thicker,
folded as below.



* For a thinner or thicker board, different size screws are required.

C) CABINET DIMENSIONS

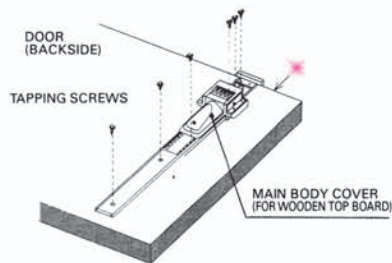
Cut-off section of top board



	b	c	d	e
WOODEN TOP BOARD	A+81.4	H-b	2.5	C+7 OR OVER
METAL TOP BOARD	A+86.4	H-b	7.5	C+7 OR OVER

Note: * Minimum cabinet depth "C" varies depending on slide length and/or material of top board. Cabinet should not have warp or distortion.

INSTALLATION PROCEDURE AND ADJUSTMENT (FOR WOODEN TOP BOARD CABINET)

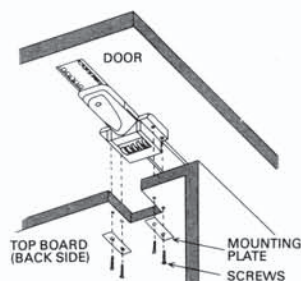


Step 1

Apply an adhesive substance to the groove on back of the door. Align slide edge to door edge (●) and place the slide in the groove. Mount the slide with screws.

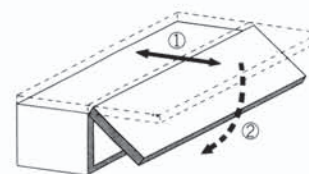
Note:

For metal top board cabinet, remove the main body cover first. Different type at option.



Step 2

Place the door with the mounted units on the top board. Insert the main body to the cut-off part of top board. Attach the mounting plates to the bottom of top board, and put the screws in.



Step 3

Upon completion of Step 2, check sliding and soft-closing function of the door.

- ① If the door does not slide smoothly, make left and right adjustment of the door. (See Fig. 1)
- ② If the closing speed of the door is too fast or too slow, make the necessary adjustments. (See Fig. 2)

Fig. 1

LEFT AND RIGHT ADJUSTMENT OF THE DOOR

Remove main body cover, and loosen mounting screws. Slide the door all the way in and out to find the right position for the best sliding function. Tighten all mounting screws, and place the main body cover back on. (This is for wooden top shelf cabinet.)

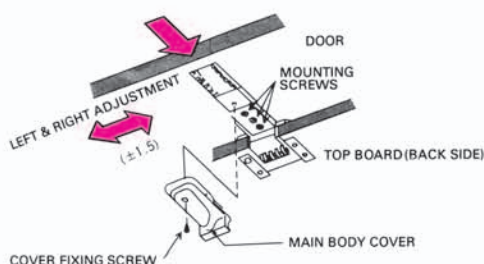


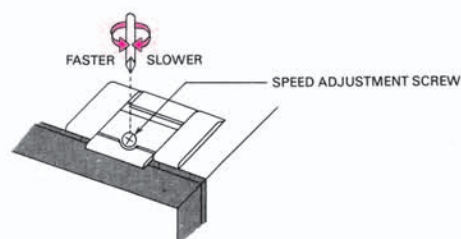
Fig. 2

CLOSING SPEED ADJUSTMENT

Close the door, and turn speed adjustment screws evenly.

Note:

Do not turn screws more than 1.5 turns counterclockwise from the tightened position.



WARNINGS

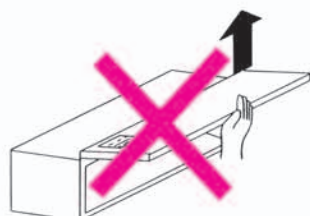
This product is designed as a soft-closing hinge and slide mechanism for a top opening flipper door. We shall not be liable for any injuries or damage to the product due to incorrect installation and unintended application, etc.

This product is designed to operate at room temperatures between 0°C — 40°C (32°F — 104°F).

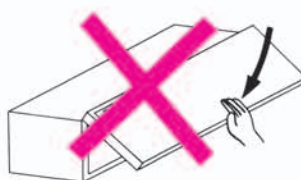
Changes in dimensions, finish and specification etc. may be done with or without notice.

Please handle flipper door properly paying careful attention to the below listed matters and put the enclosed warning label on a highly visible area of the door.

Do not force the door to open beyond the horizontal position. It could damage the unit.



Do not force the door to close faster when it is in closing motion. It could cause damage.



Make sure to turn the speed adjustment screws evenly to insure proper function.

