

# LAMP® HG-JHS11 SELF OPEN HINGE INSTALLATION INSTRUCTIONS

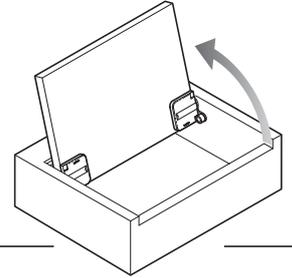
Thank you for purchasing Sugatsune products.  
Read the instructions carefully first to ensure correct installation.  
After reading the instructions and installing the product, keep this guide handy for easy reference by the user at any time.

## Meaning of symbols



## About the product

- Use: Covers for desktop sockets, covers for machinery and equipment, etc.
- Range of use: Lids of a size and weight less than the damper torque  
(See the Specifications table and Maximum Lid Torque Calculation)
- Operating temperature range: 0 - 40°C
- Merits:
  - Adjustable spring force.
  - Simple appearance thanks to the cover which hides screws.
  - Soft downward movement when released smooth movement when opening.



## ⚠️ Precautions for Use

The possibility of injury or property damage only is assumed.

- ⊘ This product is for indoor use only. Do not use outside or anywhere where it will be exposed to water.
- ⊘ Do not use for purposes other than the intended purpose or for lids with specifications other than those shown herein.
- ⊘ Do not try to open the lid beyond the opening angle, this might damage the parts.
- ⊘ Do not use excessive force to the damper as this may result in damage.
- If the operating temperature increases, the door movement becomes quicker. If the temperature decreases, movement becomes slower. This is not a mechanical problem.

## Specifications

In this guide, "left" refers to the left side when looking at the cabinet from the front

### Parts set for side mount type

| Order code  | Part No      | cover | Lid moment (guide value) |
|-------------|--------------|-------|--------------------------|
| 170-041-214 | HG-JHS11-2BL | Black | 0.1 - 0.2 N·m            |
| 170-041-215 | HG-JHS11-2WT | White |                          |
| 170-041-216 | HG-JHS11-4BL | Black | 0.3 - 0.4 N·m            |
| 170-041-217 | HG-JHS11-4WT | White |                          |

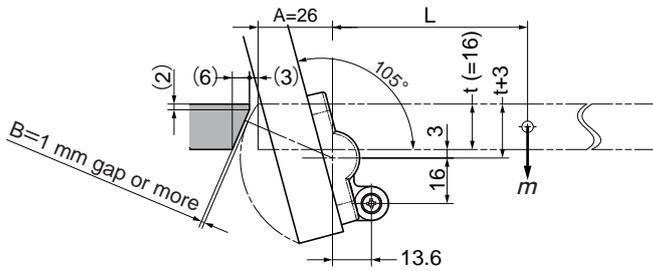
### Parts set for rear mount type (sold separately)

| Order code  | Part No. | Colour |
|-------------|----------|--------|
| 170-041-218 | UKZ11-BL | Black  |

※order this parts set to make rear mount type.

| Side-mounted type   | Rear-mounted Type   |
|---|---|
| <p><b>Component Parts</b></p> <p>① Bracket with damper 2 pcs<br/>Right: Damper installed.<br/>Left: Install Spring assy</p> <p>② Cover . . . 2pcs</p> <p>③ Side bracket . . . 1 each(L/R)<br/>L/R 1 each (marked L and R)<br/>marked L or R</p> <p>• Screws (to be supplied by the user)<br/>4 x M3 countersunk head screw<br/>8 x M3 bind head screw</p> | <p><b>Component Parts</b></p> <p>① Bracket with damper 2 pcs<br/>Right: Damper installed.<br/>Left: Install Spring assy</p> <p>② Cover . . . 2pcs</p> <p>③ Side bracket . . . 1 each(L/R)<br/>L/R 1 each (marked L and R)<br/>marked L or R</p> <p>• Screws(to be supplied by the user)<br/>12 x M3 bind head screw</p> |
| <p><b>Position of Lid Mounting Holes</b> (Seen from rear)</p>   | <p><b>Position of Lid Mounting Holes</b> (Seen from rear)</p>   |

## Installation Example



- Above example shows the lid of 16mm .
- Make sure that the gap B when the lid is open is 1mm or more.
- Provide a touch latch to hold the lid at the closed position.

## Maximum Lid Torque Calculation

$$T = m \times 9.8 \times L$$

T : Maximum lid torque (N·m)

m : Lid weight (kg)

L : Distance from rotation centre to lid center of gravity/(m)  
 $L = D/2 - A$

D : Lid length(m)

A : Length of lid back from rotation centre(m)  
 (Recommended range for A:26 to 30)

(Calculation example)

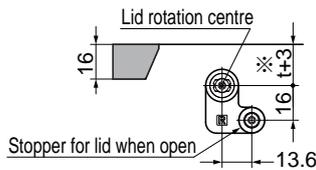
When  $D = 0.18$  m,  $A = 0.026$  m,  $m = 0.64$  kg

$$T = 0.064 \times 9.8 (0.18/2 - 0.026) = 0.4 \text{ N} \cdot \text{m}$$

## Installation Procedure

### Side-mounted Type

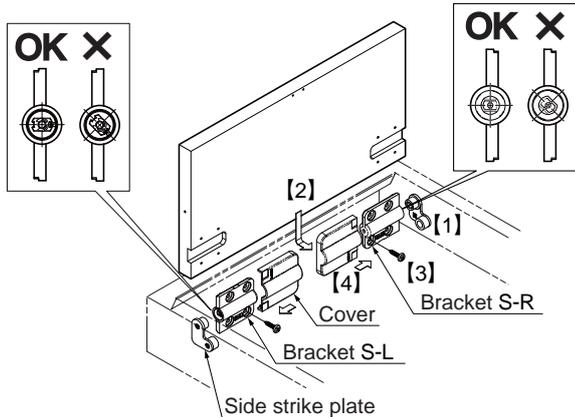
#### 1. Install the side brackets ③



※The above shows the lid and frame height in aligned position when the lid is closed.

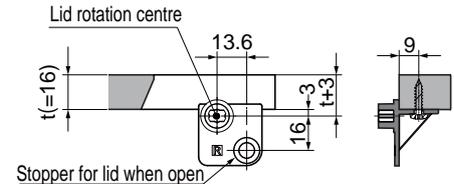
⚠ Be sure to install the left and right mounting plates correctly (The plates are marked)

#### 2. Install the brackets ①, cover ② and Lid Install in order of [1] to [4].



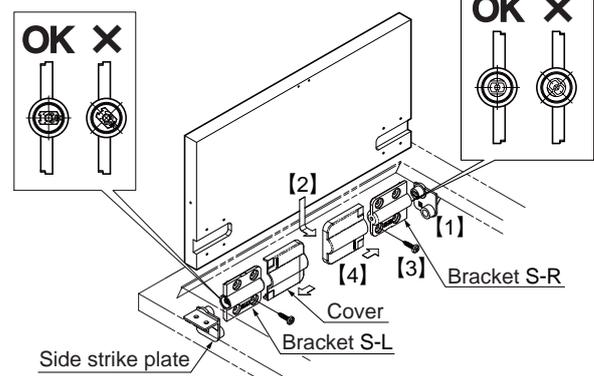
### Rear-mounted Type

#### 1. Install the side brackets ③



⚠ Be sure to install the left and right mounting plates correctly (The plates are marked)

#### 2. Install the brackets ①, cover ② and Lid Install in order of [1] to [4].



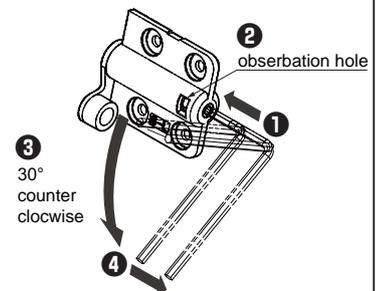
## Spring force adjustment procedure

1. Insert the hex key (width across flats 3)
2. Push the hex key thoroughly in order to ensure that the clutch teeth are detached and then turn 30 degrees counter-clockwise. Pull out the spanner.
3. Close the lid and check if it opens smoothly by itself.
4. If the spring force is not enough, repeat actions 1 - 3 If the spring force is too strong, the damper may not work effectively. (About 1-2 times)  
 • Amount of adjustment should not exceed 150 degrees.

<If you want to return the adjustment>

With the hex key inserted, the power of the spring will force it to return in clockwise direction which will make the spring go back to the original position.

⚠ Before turning in a counter clockwise direction, make sure to push the hex key thoroughly in order to ensure that the clutch teeth are detached. Tightening it too much may lead to damage.



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