

LAMP. HG-JHS9 DAMPER 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.

About the product

- Use: Small covers for desktop sockets, small 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:
 - Compact damper is ideal for small covers for equipment, etc.
 - The cover pops up with the help of damper and spring (a push latch is also needed).

Meaning of Symbols	
	Indicates actions that require "Caution".
	Indicates "Prohibited" actions.
	Indicates "Required" actions that must be done.

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 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.

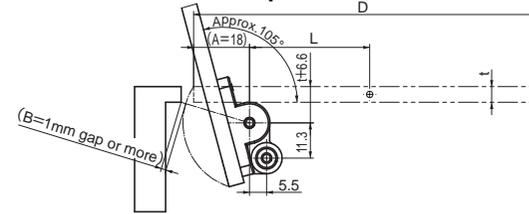
Specifications

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

Order code	Part No.	Colour	Type	Torque
170-028-293	HG-JHS9-S-BL	Black	Side-mounted	0.035±0.008N·m
170-028-294	HG-JHS9-S-WT	White		
170-028-295	HG-JHS9-U-BL	Black	Rear-mounted	
170-028-296	HG-JHS9-U-WT	White		

Side-mounted type	Rear-mounted Type
<h3>Component Parts</h3> <p>① Bracket with damper 2 pcs Right: Damper installed. Left: Install Spring assy.</p> <p>② Spring assy 1pc</p> <p>③ Side bracket L/R 1 each (marked L and R)</p> <p>* Screws (to be supplied by the user) 4 x M3 flat countersunk head screw 8 x M3 binding head screw</p>	<h3>Component Parts</h3> <p>① Bracket with damper 2 pcs Right: Damper installed. Left: Install Spring assy.</p> <p>② Spring assy 1pc</p> <p>③ Side bracket L/R 1 each (marked L and R)</p> <p>* Screws (to be supplied by the user) 12 x M3 binding head screw</p>
<h3>Position of Lid Mounting Holes</h3> <p>(Seen from rear)</p> <p>W1=Cabinet inner width measurement - 6 mm</p>	<h3>Position of Lid Mounting Holes</h3> <p>(Seen from rear)</p> <p>W2=Cabinet inner width measurement - 3 mm</p>

Installation Example



- Make sure that the gap B when the lid is open is 1mm or more.
- Provide a stopper 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 centre of gravity (m)
L = D/2 - A
D : Lid length (m)
A : Length of lid back from rotation centre (m)

(Calculation example)
When D = 0.12 m, A = 0.018 m, M = 0.085 kg
T = 0.085 × 9.8 (0.12/2 - 0.018) = 0.035 N·m

Installation Procedure

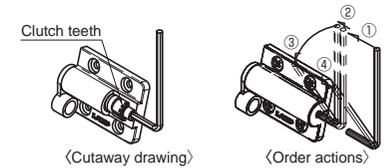
Side-mounted Type	Rear-mounted Type
<p>1. Install the side strike plates ②</p> <p>⚠ Be sure to install the left and right mounting plates correctly. (The plates are marked L and R)</p>	<p>1. Install the rear strike plates ②</p> <p>⚠ Be sure to install the left and right mounting plates correctly. (The plates are marked L and R)</p>
<p>2. Install the brackets ① and lid Install in order of [1]~[3]</p> <p>OK X</p>	<p>2. Install the brackets ① and lid Install in order of [1]~[3]</p> <p>OK X</p>

Spring force adjustment procedure

1. Insert the hex key (width across flats 2.5)
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)

<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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