

# Installation Manual for Seismic Suspension Bracket

## Model: SSB-IDH-01

Replace the original suspension bracket to this seismic suspension bracket to prevent destruction or damage to the ducted indoor unit during earthquake by improving its strength.

### **IMPORTANT NOTICE:**

- Johnson Controls pursues a policy of continuous improvement in design and performance of products. We reserve the right to vary specifications without notice.
- No part of this manual may be reproduced without Johnson Controls' written permission.
- Keep this manual for future reference.
- Johnson Controls cannot anticipate every possible circumstance that might involve a potential hazard.
- This bracket is designed for a combination of Johnson Control air conditioners. Do not use this bracket by itself or in combination with other manufacturer's products.
- Read and understand this manual before using this seismic suspension bracket.
- Be sure to follow this "Important Notice" related to safety.
- Perform a test run after installation to check for abnormalities.
- Signal words are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.



: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

## 1. Applicable Unit

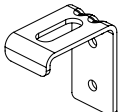
Name	Seismic Suspension Bracket
Model	SSB-IDH-01
Required Qty.	x 1
Applicable Indoor Unit	(H,Y)IDH072, 096B21S (H,Y)DOA096B21S

## 2. Installation Work

- (1) Reuse the screws attached to the unit bracket to attach the seismic suspension bracket.
- (2) The additional service space is required to install the seismic suspension bracket.

## 3. Before Installation

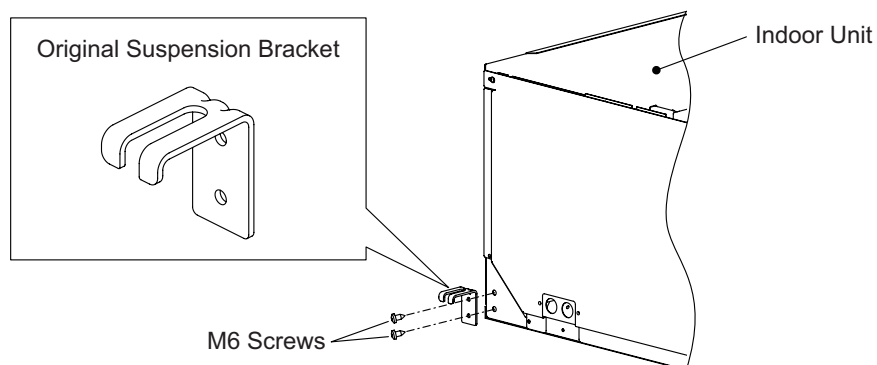
Check that all the following accessories are packed with the unit before installation.

No.	Accessory	Qty.	Remarks
①		4	

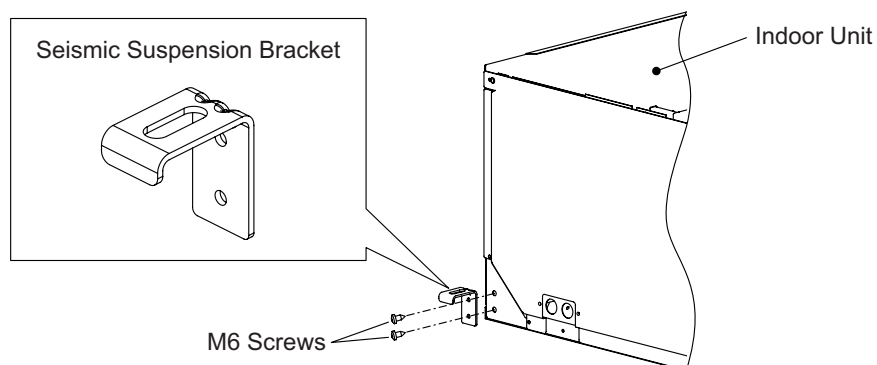
#### 4. Seismic Suspension Bracket Installation Procedures

After confirming the ducted indoor unit model, install the seismic suspension bracket according to the following procedures. Install the seismic suspension bracket securely with the screws that are attached to the unit. If you don't tighten the screws well enough, the unit may fall over.

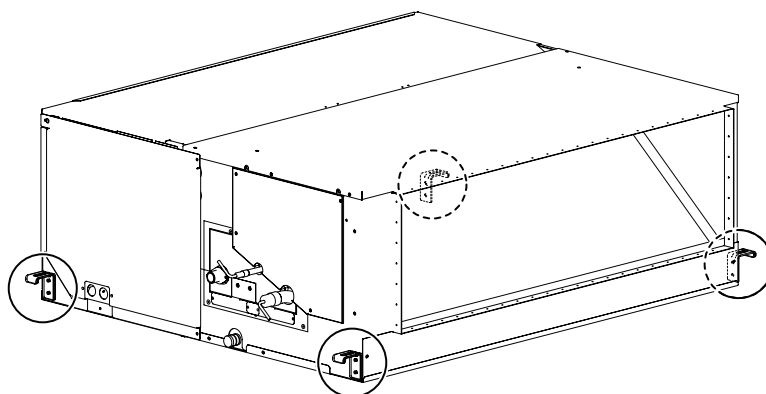
- (1) Remove two M6 screws securing the original suspension bracket and remove the original suspension bracket.



- (2) Attach the seismic suspension bracket to indoor unit and secure the seismic suspension bracket by reusing two of the screws removed from the unit.



- (3) Perform the same work at the other three bracket locations. (Total four places)



## 5. Indoor Unit Installation Procedure

### CAUTION

Install the seismic suspension bracket to the ducted indoor unit before you install the ducted indoor unit at the site.

Safe handling and installation of the indoor unit requires the strength of three people or using the lifter.

Mounting the unit alone or without the lifter may cause injury, if the unit drops.

### 5.1 Mounting Indoor Unit

Hang the indoor unit as shown in Figure 5.1.

Field-Supplied Parts

\* Suspension Bolts: 4-M10 or W3/8

\* Nut: 8-M10 or W3/8

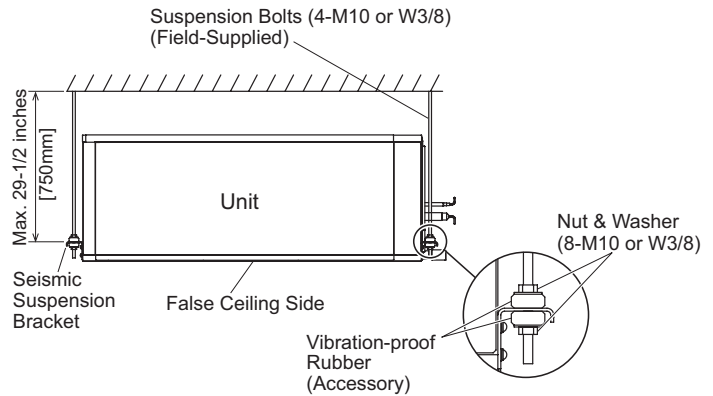


Figure 5.1 Mounting Indoor Unit

- (1) Prepare the suspension bolts, washers, nuts and vibration-proof rubbers, as shown in Figure 5.2.

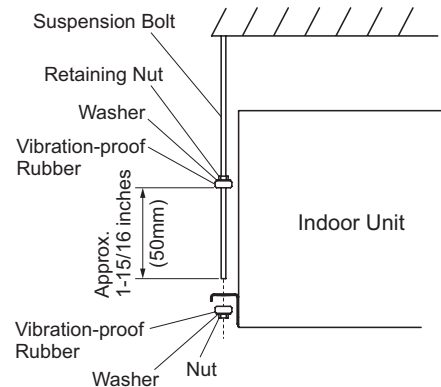


Figure 5.2 Suspension Bolts and Nuts

- (2) Suspension Indoor Unit

- \* Insert the seismic suspension bracket to each suspension bolt. Beginning at the left side and working over to the service cover side, fasten the vibration-proof rubber, washer, and nut to the lower side of each suspension bolt, as shown.
- \* Verify that the nut, washer and vibration-proof rubber are correctly affixed to the retainers on the seismic suspension bracket. (Hold the suspension bolts away from the unit when fastening.)

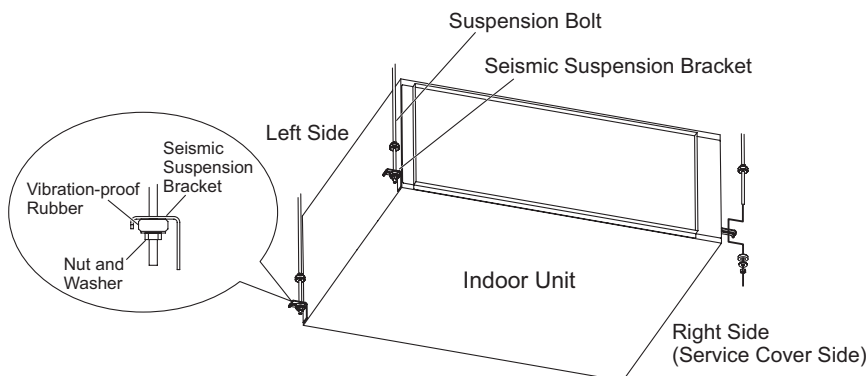


Figure 5.3 Suspended Indoor Unit

## 5.2 Adjusting of Unit Level

- (1) Use a level to verify that the unit is perfectly horizontal. There should be no degree of slope present.

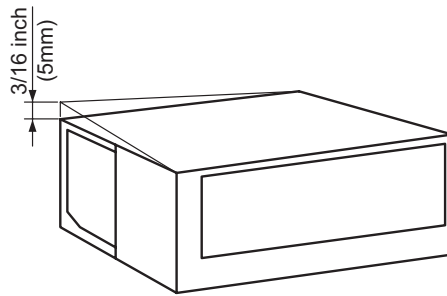


Figure 5.4 Adjusting the Unit Level

- (2) The unit should be installed so that the rear side of the unit is slightly (0 to 3/16 inch (0 to 5mm)) lower than the front side, to allow for proper drainage.
- (3) Tighten the bolts of the nuts with the seismic suspension brackets after adjustment is completed. Adhesive must be applied to the bolts in order to prevent them from loosening.

**NOTE:**

During the installation process, keep the unit well covered with vinyl cover, and keep the related components covered until it is time to hoist the unit into position.