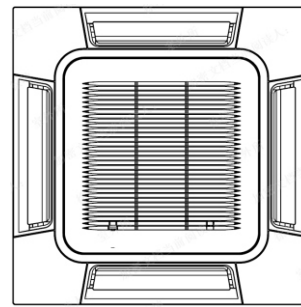


Dial®

Installation Manual

For Cassette Panel

Model: CASS-PNL-09-12



IMPORTANT:

*READ AND UNDERSTAND
THIS MANUAL BEFORE
USING THIS AIR PANEL.
KEEP THIS MANUAL FOR
FUTURE REFERENCE.*

PREFACE

- Do not install the unit in the following places. It causes failure of the unit in many cases.
 - * Places where oil (including machinery oil) mist and steam drifts.
 - * Places where a lots of sulfide gas drifts such as in hot spring.
 - * Places where inflammable gas may generate or flow.
 - * Places where air contains high salt contents as coast regions.
 - * Places where with atmosphere of acidity or alkalinity.
- In the case of using equipment that generates electromagnetic waves, pay a particular attention to unit malfunctions. The unit should not face the electrical box to minimize exposure to electromagnetic waves. The unit should be placed at least 3m away from such equipment to avoid any radiation transmitting in the air.
- Do not install the unit in a place where the air flow directly contact animals or plants. It could be the cause of adverse affect to animals or plants.

IMPORTANT NOTICE

The standard utilization of this air panel is explained in these instructions.

Improper operation, or operation not made in accordance with these instructions , can result in unsatisfactory performance and/or dangerous conditions. In such cases, the warranty does not apply.

- Our liability shall not cover defects arising from any alteration performed by a customer.
- All information in this manual is based on the latest product information available at the time of approval for printing. We reserves the right to make changes at any time without notice and without incurring any obligation.
- No part of this manual may be reproduced without written permission.
- Signal words (CAUTION and NOTE) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

CAUTION

: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

NOTE

: Useful information for operation and/or maintenance.

This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment.

PRODUCT INSPECTION

- Check the model number and accessories to determine if they are correct.

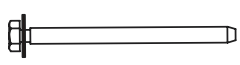
1.Before Installation

CAUTION

When the air panel is unpacked, place it on insulation material etc. to protect sealing insulation from scratches.

Factory-Supplied Accessories

Check to ensure that the following accessories are packed with the air panel.

Name	Qty	Purpose
Long Screw (M6×50)	4	For Fixing Panel
		
Installation manual	1	Installation guide

If any of these accessories are not packed in the packing, please contact Dial Manufacturing, Inc.

2. Installation

2.1 Location of Suspension Bracket

Check to ensure that the suspension brackets of the indoor unit are located approximately 110mm higher than the false ceiling. Refer to the indoor unit manual for details.

2.2 Removing Air Intake Grille from Air Panel

Step 1

Open the air intake grille to an angle of approximately 45° from the surface of the air panel as shown in Fig.2.1.

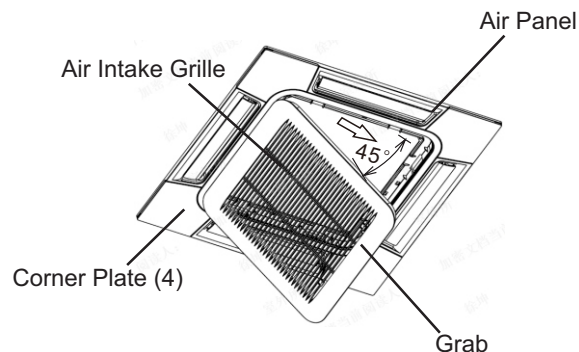


Fig. 2.1 Removing Method of Air Intake Grille

NOTE

- * Do not touch the air louver during installation work.
- * Do not try to remove the grille while it is at an angle of 90° from the surface of the air panel.

Step 2

Lift the grille keeping it inclined, and remove it in a forward direction.

2.3 Installing Air Panel

Step 1

Remove the corner plate.

Pull part ① in the direction of arrow shown in the figure below to remove the corner plate.

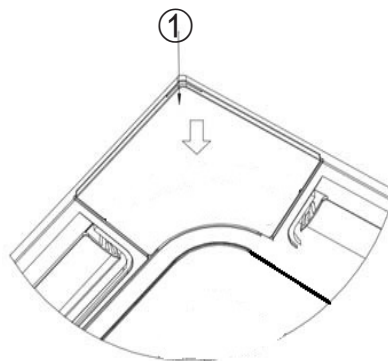


Fig. 2.2

Step 2

Set the position indicated as "Ref. Pipe" on panel to the refrigerant connection portion of indoor unit.

Step 3

Mount the air panel onto the suspension leg of indoor unit by using the factory-supplied fixing screws (M6 long screws).

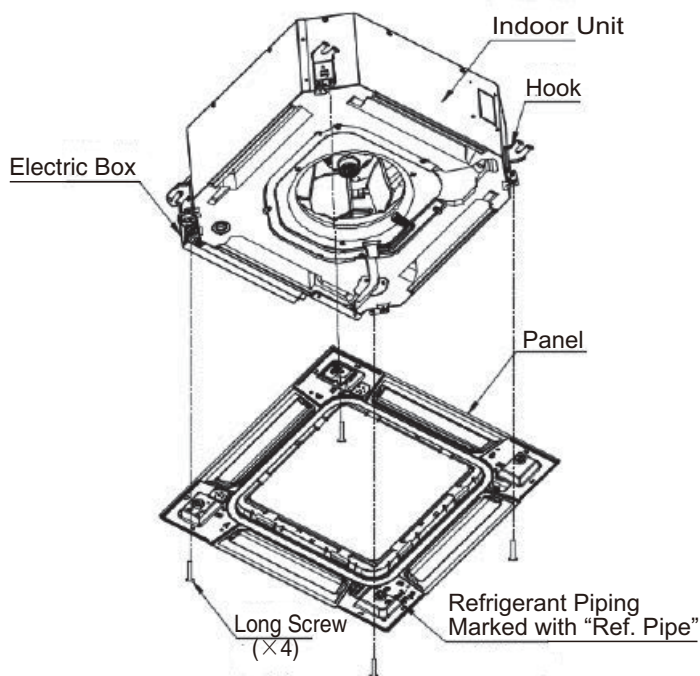


Fig. 2.3 Installation

Step 4

Make sure the dimension between bottom surface of indoor unit and false ceiling is 30mm. (See Fig2.4)

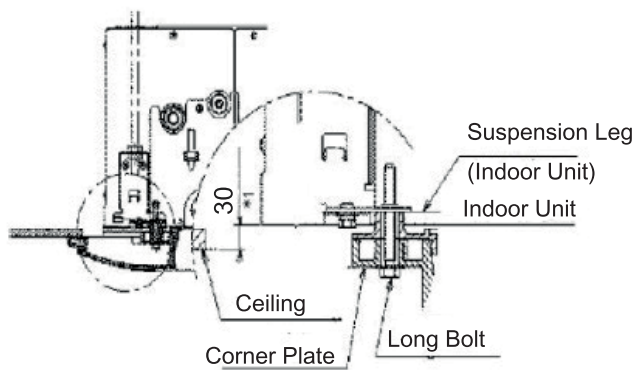
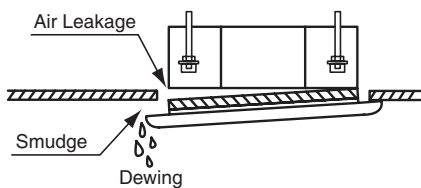


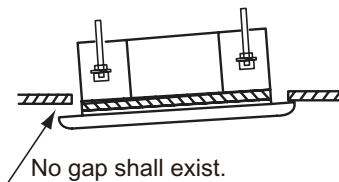
Fig. 2.4 Side View of Panel

CAUTION

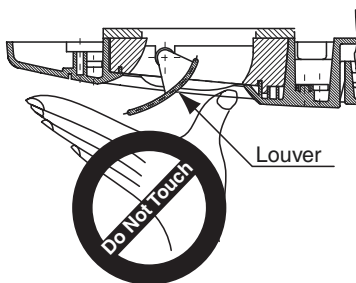
- If the long screws are tightened insufficiently, it may cause of the failure.



- When there is still a gap even after tightening the long screws firmly, readjust the height of the indoor unit.

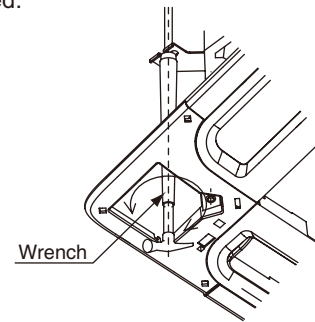


- Do not turn the air louver by hand.
The louver mechanism would be damaged.



NOTE

- Without affecting the level of the indoor unit and the drainage pipe, the height of the indoor unit body can be adjusted directly by using the wrench from the corner hole of the panel even if the panel has been tightened.

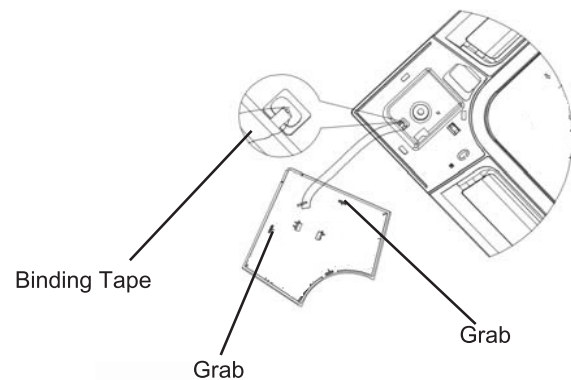


***Please note that excessive adjustment of body height may cause water leakage from drain pan .**

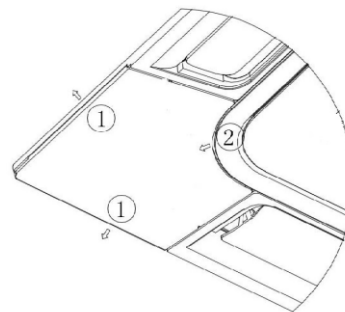
Step 5

Please reinstall the corner plate (×4) after the installation of panel.

- 1) Please hang the binding tape at the inner side of the corner plate by the panel grab as shown in the figure below.

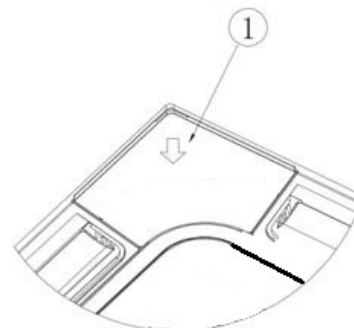


- 2) Insert grab ① (×2) outside corner plate into the panel, and insert grab ② (×1) inside corner plate into the panel.



Corner plate removal procedure upon completion of panel installation:

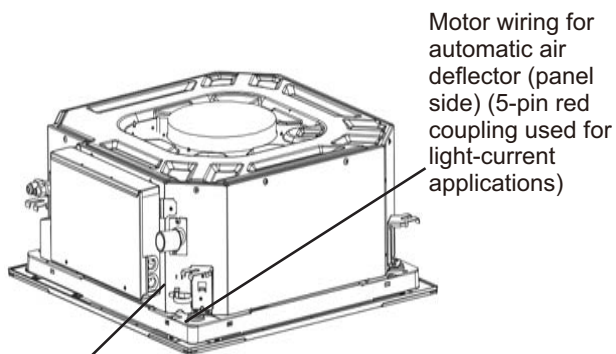
Pull corner plate ① in the direction of arrow to remove it.



2.4 Wiring

Step 1

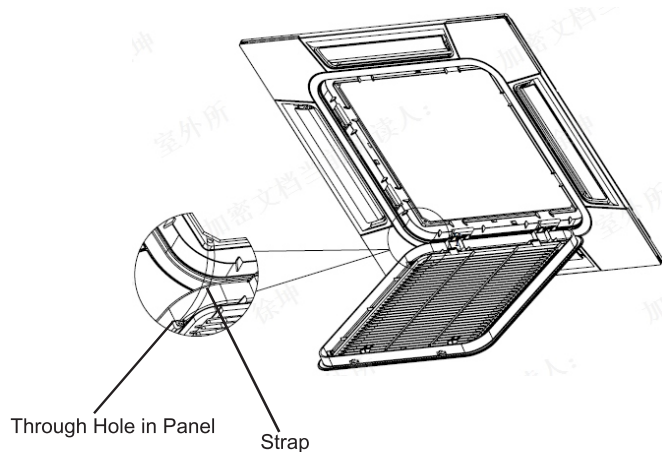
The panel is designed with the coupling shown in the figure below. Tear off the adhesive tape fixing the coupling, lead it out and connect it to the body coupling as shown in the figure below.



Motor wiring for automatic air deflector (body side) (5-pin red coupling used for light-current applications)

Step 2

Install the air intake grille upon completion of wiring. Mount the strap hook of part ① in panel hole during installation as described in Section 2.2. The air intake grille can be installed in any of the 4 directions by rotating it. Where several indoor units are installed simultaneously, the air intake grille installation can be freely selected.



CAUTION

- Be sure to turn off power before electrical wiring work.
If not, it may cause malfunction of auto-swing louver.
- Protect the wires or etc. from rats or other animals.
If not protected, rats may gnaw at unprotected parts and at the worst, a fire will occur.

3. Test Run

After indoor and outdoor runs, check the swing louvers. Please press "swing" button when operate louvers by using remote controller, details see remote controller manual.