Designer panel Operation Manual

BYCQ125EAPF6

Retain this operation manual together with the operation manual included in the indoor unit.

2P859029-1

About safety Be sure to observe it.

Before the use, be sure carefully read the instructions and use it correctly.

- The precautions shown here are classified into 2 categories below.
  Both categories describe the important information on safety, so be sure to observe them.

⚠ **Warning**	Indicates a critical situation that will likely lead to death, serious injury or the like by mishandling of the product.
⚠ **Caution**	Indicates a serious situation that may cause injury or property damages by mishandling of the product. In certain situation, it may lead to a critical situation.

- The meanings of “Pictograms” used in the document are as follows:

Prohibition	Should never be done.	❗	Be sure to carry out as instructed.

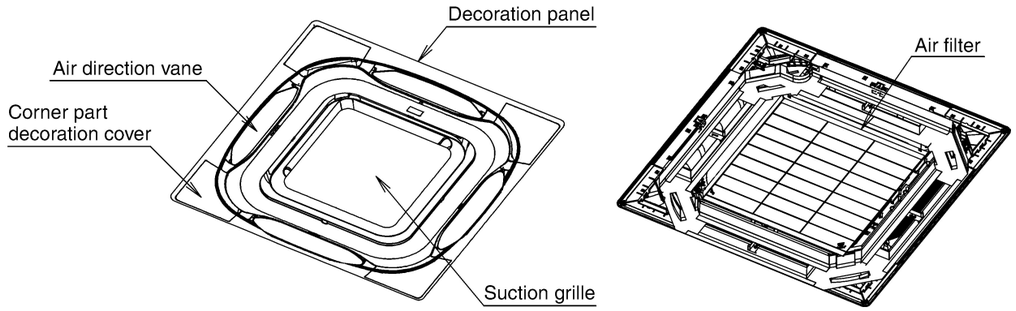
⚠ Warning

- **Never hang on from the suction grille.**
  The suction grille is suspended by 2 cords. Hanging on from the suction grille will cause the dropping of the grille and/or property damages and falling. — Prohibition
- **Never pull the suction grille.**
  Forcibly pulling the suction grille will cause it to fall, resulting in property damages and/or personal injury. — Prohibition
- **Never use a combustible gas (such as a hair spray, insect repellent) in the close proximity to the indoor unit.**
  Never wipe the main body with benzine and/or thinner.
  It will cause cracks, an electrical shock as well as catching fire. — Prohibition

⚠ Caution

- **When caring the product, be sure to stop the operation as well as shut down the power supply circuit breaker.**
  Failure to shut down the power supply may cause an electrical shock and/or personal injury.
- **Be sure to securely fix the air filter.**
  Be sure to securely fix the suction grille with the knob part.
  It may cause the dropping of the air filter and the suction grille.
- **Be careful with your footing when working at a high location.**
  Unstable footing may case the dropping and falling, resulting in personal injury.
- **Care should be taken in handling the suction grille removed.**
  Placing it on the floor may cause scratches on the design surface.

Name of each part and operation



Requests

- **Other than during the cleaning, do not remove the air filter. It may cause malfunctions.**
- **Be sure to mount only the official air filter to the suction port, and no others (such as kitchen paper) should never be mounted.**
  It may cause poor performance, resulting in freezing and water leaks.

How to clean the air filter

Be sure to carry out the cleaning when a message “It’s time to care the filter” is displayed on the remote controller.

- This message will be displayed after operating a certain length of time.

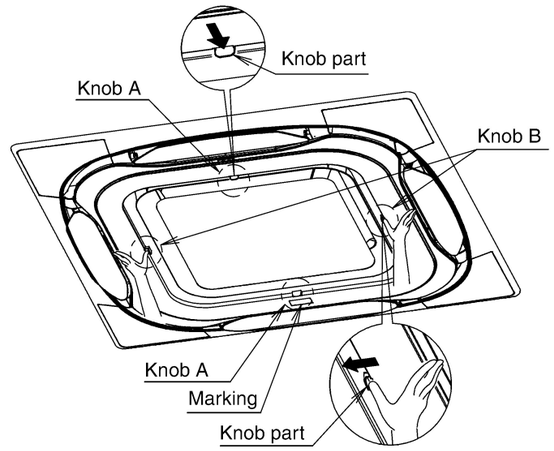
Requests

- **The length of the time for the message to be displayed can be changed.**
  In the event of using the product in a dusty environment, consult with the dealer from which you purchased the product.

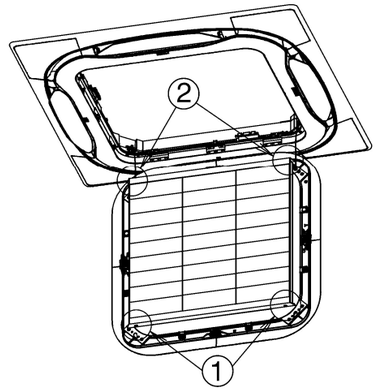
Dirt	Length of time before displaying the message
Standard	2,500 hours (equivalent to one year)
More than the standard	1,250 hours (equivalent to a half year)

- **Be sure to replace the air filter when it can no longer be cleaned properly.**
  (The long life filter for replacement is sold separately.)

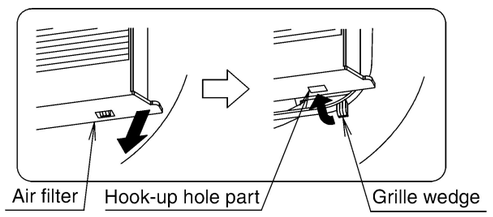
1. Open the suction grille.
Slide the knob A in 2 locations.
Then, slowly lower the suction grille while sliding the knob B in 2 locations.



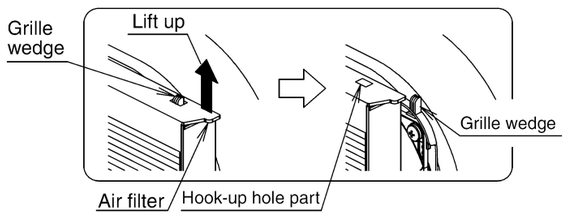
2. Take out the air filter.
Be sure to work in the following sequence:



① Pull the end of the air filter downward at an angle to remove the hook-up hole part of the air filter from the grille wedge. (Both right and left)



② Lift up the air filter to remove the hook-up hole part of the air filter from the wedge of the grille upper part. (Both right and left)



⚠ Warning

- **When mounting and removing the air filter,**
  Be sure to mount/remove the air filter while holding the suction grille.
  Failure to hold the suction grille will cause the suction grille to drop/fall, resulting in property damages and/or personal injury.

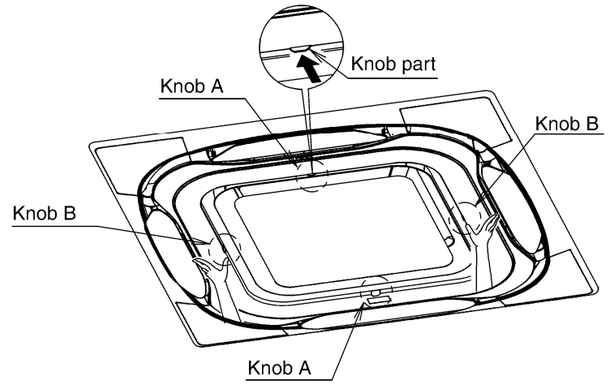
3. Clean the air filter.
Be sure to clean the dirt with a vacuum cleaner or by washing with water.
If extensive dirts exist, wash it with a soft brush and a mild detergent.
After drained, air dry the filter in the shade.

Requests

- **Do not wash it with warm water of 50ºC or higher.**
  It may cause discoloration or deformation.
- **Do not use a fire to dry.**
  It may cause the grille to burn.
- **Do not use gasoline, benzine, thinner, polishing powder, a commercially available insect repellent in a liquid form, and etc.**
  It may cause discoloration or deformation.

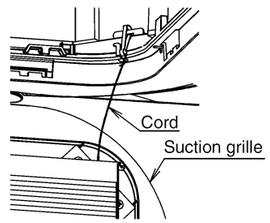
4. Mount the air filter.
2. procedure (in the reversed order) should be used to mount the suction grille.

5. Close the suction grille.
Verify that the knobs A in 2 locations are opened and then slowly push up the suction grille until the knobs B in 2 locations are fitted to the decoration panel.
Then, slide the knobs A in 2 locations to securely fix to the decoration panel.



Requests

- **When closing the suction grille,**
  there may be a risk of entrapping the cord.
  Ensure that the cord is not protruding from the side of the suction grille before closing it.

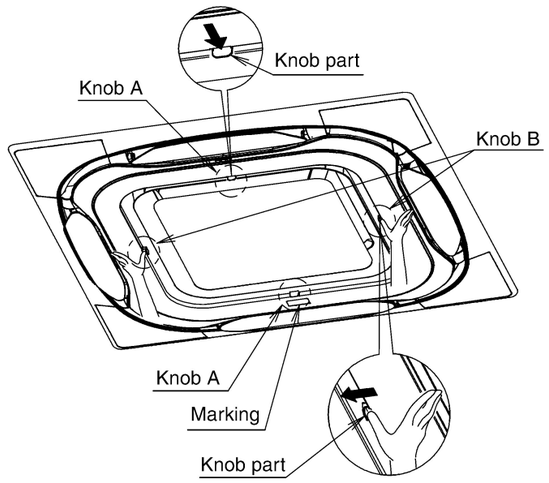


6. Turn off the message “It’s time to care the filter” displayed on the remote controller.

- Be sure to perform the Filter Sign Reset of the remote controller from the main menu.
  (The display can be turned off in either the operating status or the stopped status)
  For more details, see the operation manual included in the remote controller.

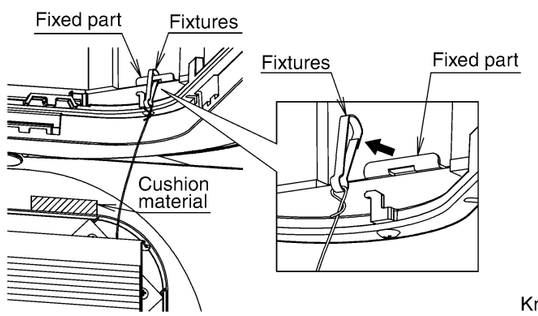
How to clean the suction grille

1. Open the suction grille
Slide the knob A in 2 locations.
Then, slowly lower the suction grille while sliding the knob B in 2 locations.



2. Take out the air filter.
See (How to clean the air filter).

3. Remove the suction grille fixture.
Remove the fixtures hooked-up to the fixed part of the decoration panel. (in 2 locations)



4. Clean the suction grille.
Wash the grille with water or a mild detergent using a soft brush, drain the water off, and then wipe off the remaining water with a dry cloth.

When extensive dirts exist

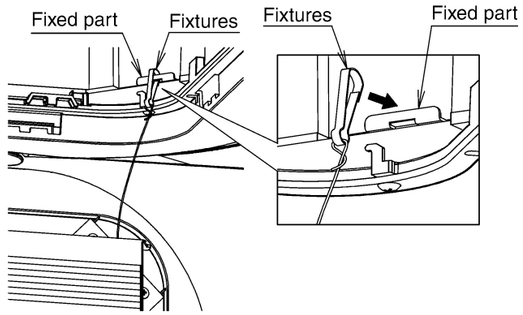
- Spray a detergent for a ventilation fan and a stove directly on the grille, leave it to let the detergent soaked for about 10 minutes.
  Then, throughly rinse off the detergent with water.

Requests

- **Care should be taken to ensure that the cushion material would not be peeled off.**
  It may cause a rattling sound during the operation.
- **Do not wash it with warm water of 50°C or higher.**
  It may cause discoloration or deformation.
- **Do not use a fire to dry.**
  It may cause the grille to burn.
- **Do not use gasoline, benzine, thinner, polishing powder, a commercially available insect repellent in a liquid form, and etc.**
  It may cause discoloration or deformation.

5. Mount the air filter.
See (How to clean the air filter).

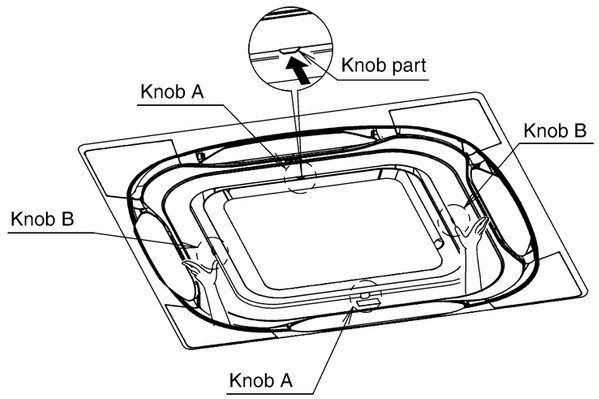
6. Mount the suction grille fixture.
Mount the suction grille fixture to the decoration panel by hooking the grille to the fixed part of the panel.
(in 2 locations)



⚠ Warning

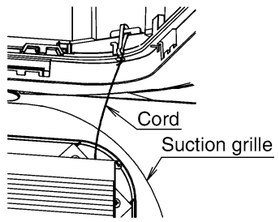
- **The suction grille fixture must be securely mounted to the fixed part of the decoration panel.**
  The detached fixture will cause the fall of the suction grille.

7. Close the suction grille.
Verify that the knob A is opened, and then slowly push up the suction grille until the knob B is fitted to the decoration panel.
Slide the knob A to securely fix it to the decoration panel.



Requests

- **When closing the suction grille, there may be a risk of entrapping the cord.**
  Ensure that the cord is not protruding from the side of the suction grille before closing it.



Package Air Conditioners Decoration Panel Installation Manual

Be sure to read and follow the instructions before installing the product.

Designer panel BYCQ125EAPF6

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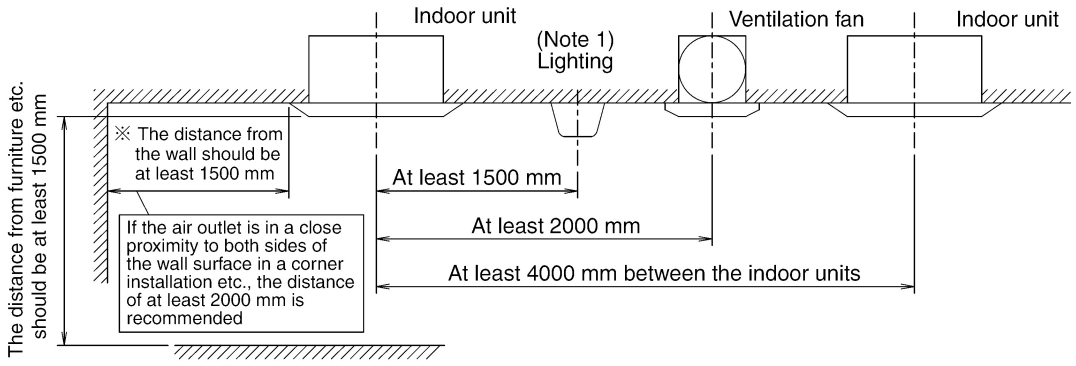
Requests

Show your customer how to properly operate this product (especially on the cleaning/working operations as well as the temperature control method of the air filter) by having the customer to securely manipulate the product while referring to the operation manuals on the indoor unit, remote controller and the designer panel.

Caution **The installation manual included in the indoor unit should be referred to together with the manual.**

1 Setting the location for the installation

Installing the product nearby the equipment, such as an air vent, lighting equipment that could disturb the airflow, the ceiling surface may become dirty even when the product is equipped with the decoration panel and therefore the product should be installed according to the figures below.



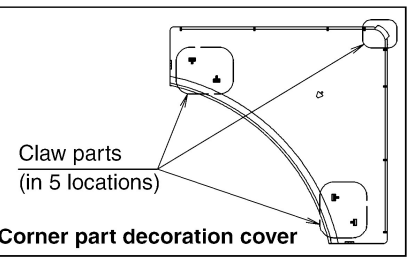
Note) 1. The distances are based on the exposed type lighting (such as an inverted type) and there are no constraints on the recessed type (the type installed flat to the ceiling surface).
2. For the wind direction setting method of the swing flap, the operation manual included in the remote controller: (Air Direction Individual Settings) paragraph should be referred to.
3. This is an example of the circulation airflow setting being invalid. For more details, the installation manual included in the indoor unit should be referred to.

2 Preparing the decoration panel

(1) Care should be taken in handling the decoration panel.

⟨⟨Caution⟩⟩

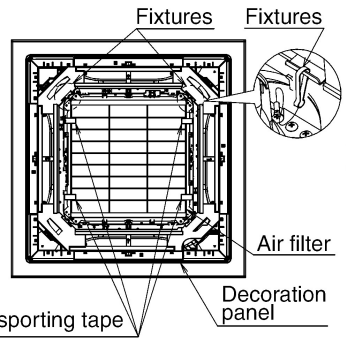
- **The decoration panel should: never be placed with the design side face down; never be set leaning against any object and/or never be left on the surface with projections, so as to avoid damage on the design surface of the decoration panel.**
- **The swing flap should neither be touched nor forced. (May cause the swing flap to fail.)**
- **Care should be taken not to damage the claw parts (in 5 locations) on the corner part decoration cover that has been removed.**



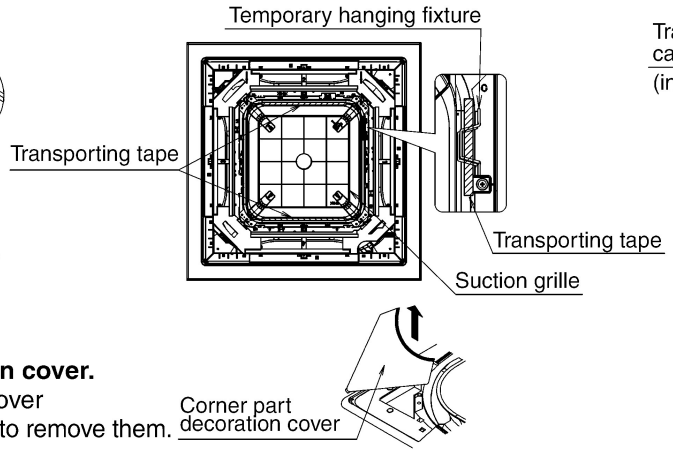
Corner part decoration cover

(2) Detach the suction grille of the decoration panel and remove the transporting cardboard and tape.

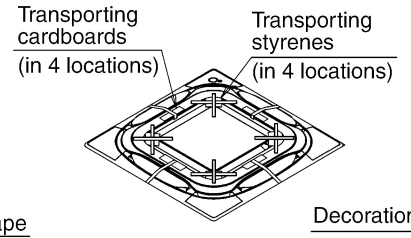
① Before taking out the decoration panel, peel off the transporting tapes (in 4 locations) to detach the air filter as well as removing the suction grille fixtures (in 2 locations).



② Remove the transporting tapes (in 2 locations) for the suction grille, the temporary hanging fixtures (in 2 locations) and the transporting tape.



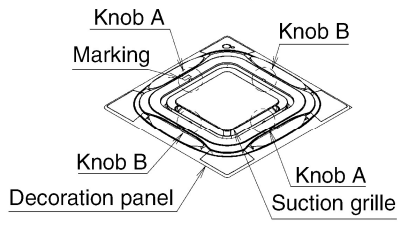
③ Remove transporting cardboards (in 4 locations) for the suction grille and the transporting styrenes (in 4 locations).



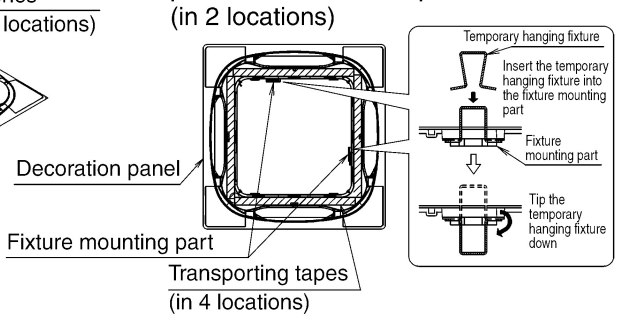
(3) Detach the corner part decoration cover.
Lift up the corner part decoration cover (in 4 locations) in the arrow direction to remove them.

④ Slide the knob A (in 2 locations).

⑤ Slowly remove the decoration panel from the suction grille while sliding the knob B (in 2 locations).



⑥ Remove the transporting tapes (in 4 locations) on the decoration panel surface and mount the temporary hanging fixture to the fixture mounting part of the decoration panel. (in 2 locations)



⑦ Mount the air filter detached in ① to the suction grille.

3 Mounting the decoration panel to the indoor unit

- **For the installation of the indoor unit, refer to the installation manual included in the indoor unit.**

(1) Align the stamped marks on the indoor unit and the decoration panel as follows:
The piping part and "piping side", drain socket and the "drain side"

(2) Mount the decoration panel.

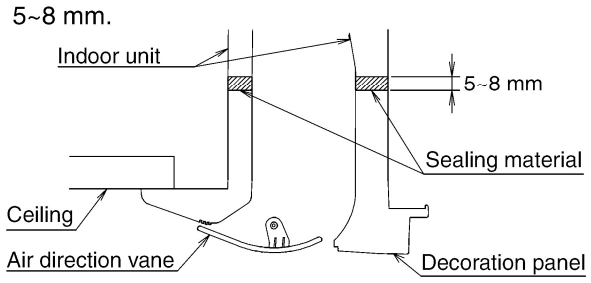
① Temporarily hang the temporary hanging fixtures (in 2 locations) of the decoration panel suction part (inner circumference side) to the temporary hanging hook of the indoor unit.

② Hook up the corner part mounting fixtures (in 4 locations) of the decoration panel to the outer circumference hook of the indoor unit. In this step, care should be taken so that the swing electric motor lead wire connector part would not be entrapped in between the decoration panel and the indoor unit.

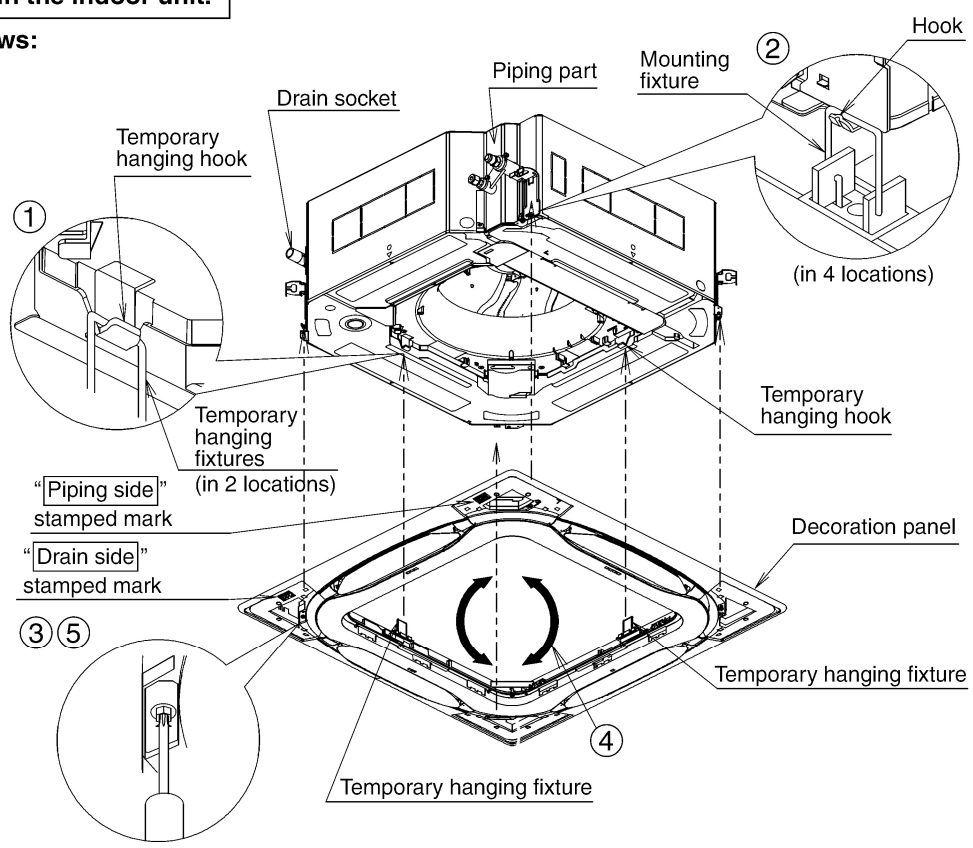
③ Tighten the hex head screws in all the 4 locations just under the mounting fixture by on the order of 5 mm. (The decoration panel will be lifted.)

④ Adjust the position of the decoration panel by turning it in the arrow direction shown in the figure on the right, so that the ceiling opening part is completely hidden.

⑤ Furthermore, tighten the screws ③ until the thickness of the sealing material in between the decoration panel and the indoor unit is compressed down to 5~8 mm.

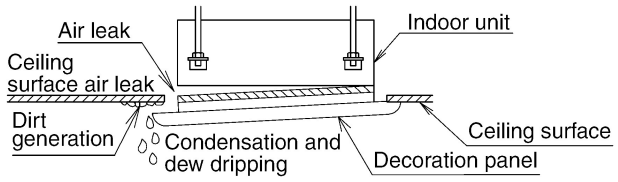


Cross-Sectional View of the Air Outlet

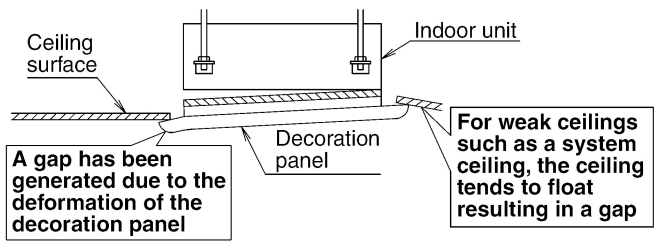


Continued on back page

⟨⟨Caution⟩⟩ • Care should be taken to ensure that there are no gaps in between the indoor unit and the decoration panel as well as in between the ceiling surface and the decoration panel. The gap, if exists, results in the faults as shown in the figure below.

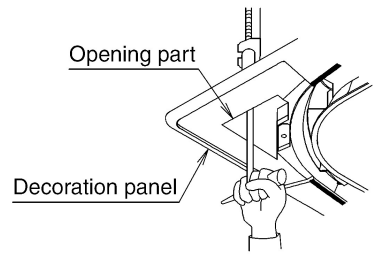


Suspending the indoor unit too high may result in a gap as shown in the figure below.



- Should the screw tightening be insufficient, securely tighten the said screws ③ so that no gaps are allowed.
- If there is a gap between the ceiling surface and the decoration panel even after tightening the screws, readjust the height of the indoor unit.
- Readjust the suspension height of the indoor unit, lowing it toward the ceiling surface side.
- Loosen the said screws ③ to readjust the tightening amount.
- For weak ceilings such as a system ceiling, if a gap occurs in spite of taking the above measures, reinforce the ceiling opening part for allowing to have a sufficient strength.

The height of the indoor unit can be adjusted (with the decoration panel mounted) from the opening part of the corner part of the decoration panel as long as the levelness of the indoor unit and drain piping etc. are not affected.

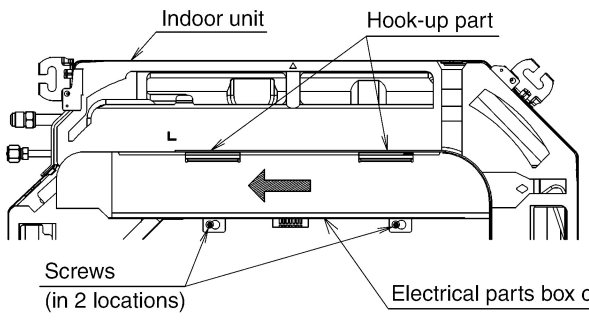


(3) Perform the wiring of the decoration panel.

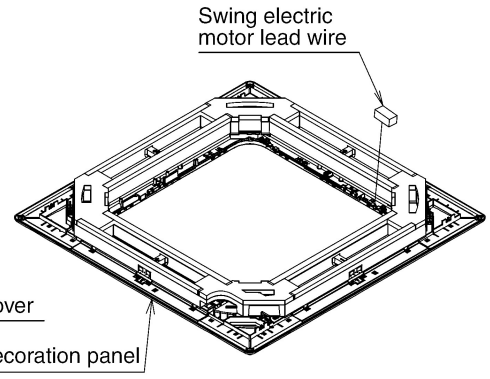
⚠ **Be sure to shut off the power before performing the wiring work.**

<When simultaneously performing the wiring of the indoor unit and the installation of the decoration panel>

⑥ Remove the cover for the electrical parts box of the indoor unit.



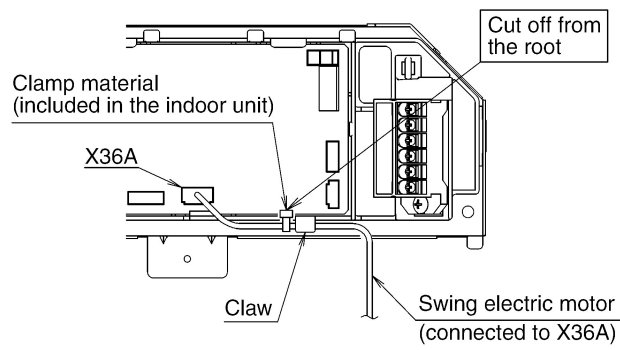
Tighten the screws (in 2 locations) and slide the cover in the arrow direction to unhook the hook-up part.



⑦ Securely connect the swing electric motor lead wire coming out of the decoration panel to the printed circuit board connector (X36A) of the indoor unit electrical parts box.

Without connecting to the connector, the swing flap will not work.

⑧ Put through the swing electric motor lead wire under the claw and then tighten the clamp material (included in the indoor unit) at the side of the claw. After tightening the clamping material, cut off the excess material from the root.



⑨ Mount the cover for the indoor unit electrical parts box in the reversed procedure of that in ⑥.Tighten the screws to the tightening torque of 1.1±0.2N•m.

Ensure that the swing electric motor lead wire is not entrapped in between the electrical parts box and the cover thereof.

4 Mounting the suction grille

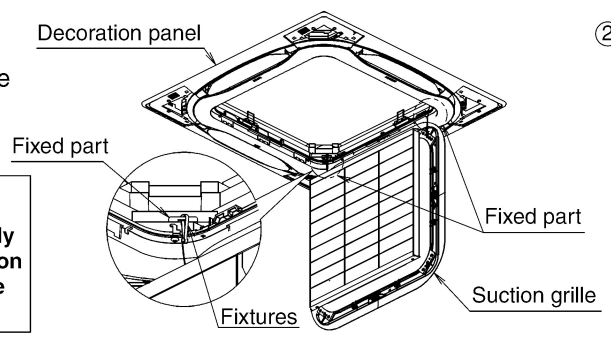
⟨⟨**The suction grille can be mounted in any of the four directions. Check your customer's needs before mounting.**⟩⟩

Mount the suction grille.

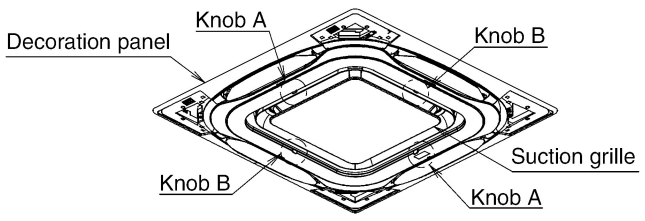
① Mount the suction grille fixture to the decoration panel by hooking the grille to the fixed part of the panel. (in 2 locations)

⚠ Warning

- **The suction grille fixture must be securely mounted to the fixed part of the decoration panel. The detached fixture will cause the fall of the suction grille.**



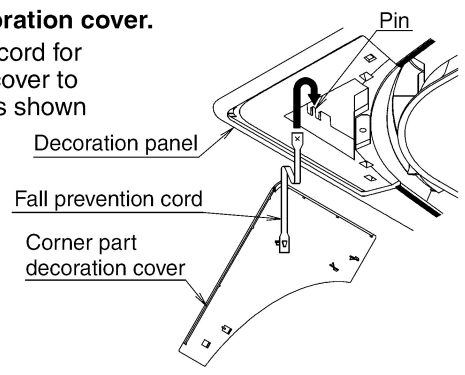
② Verify that the knob A is opened and then slowly push up the suction grille until the knob B is fitted to the decoration panel. Slide the knob A to securely fix the decoration panel.



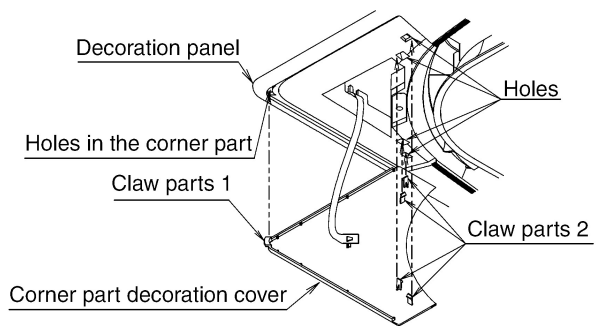
5 Mounting the corner part decoration cover

Mount the corner part decoration cover.

① Hook up the fall prevention cord for the corner part decoration cover to the decoration panel pins as shown in the figure. (in 4 locations)



② Mount the corner part decoration cover to the decoration panel. (in 4 locations)



After inserting the claw part 1 into the corner part hole, mount the claw parts 2 (in 4 locations) by fitting into the holes.

6 Field setting

- Ensure that all the woks on the indoor and outdoor units are completed.
- Ensure that the indoor unit electrical parts box cover, the outer plate of the outdoor unit and the piping cover are closed.
  <After powering on, perform the field setting using the remote controller.>
- Perform the setting with 3-switching: "Mode number", "Setting switch number" and "Setting position number".
- The "□" in the table represents the factory settings.
- The setup procedures and operating methods are described in the installation manual included in the remote controller
  (Note): The setting of the"Mode number" is done in a group batch, however if you wish to perform the individual settings in the indoor unit or the verification after the setting, the mode number in ( ) should be used.
- Do not perform any settings other than those in the table.

Setting	Mode number	Setting switch number	Setting position number
Panel type switching	13(23)	15	02

- Switch the setting according to the ceiling height as shown in the table below.

	Ceiling height (m)		Mode number	Setting switch number	Setting position number
	FCA 50~71 FCF 50~71 FCF 13~24 FXFQ 25~80 FXFR 25~80	FCA 100~140 FCF 100~140 FCF 30~48 FXFQ 100~140 FXFR 100~140			
Standard	2.4 or less	3.2 or less	13(23)	0	01
High ceiling 1	2.4~2.7	3.2~3.6			02
High ceiling 2	2.7~3.2	3.6~4.2			03