

FOR SERVICE PERSONNEL ONLY

HITACHI HITACHI ROOM AIR CONDITIONER [CEILING CASSETTE TYPE] INSTALLATION MANUAL FOR CEILING PANEL [RAI-ECPM]

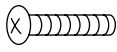
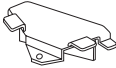
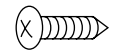

- Carefully read through the procedures of proper installation before starting installation work.
- The sales agent should inform customers regarding the correct operation of installation.

Tools Needed For Installation Work

- ⊕ Screwdriver

- Handle ceiling panel carefully.
(Be sure not to damage or make it dirty.)

ATTACHED PARTS

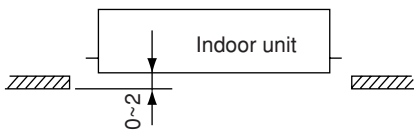
No.	Item	Qty	Shape	No.	Item	Qty	Shape
①	Ceiling panel fixing screw	4		③	Connector cover	1	
②	Tapping screw	5		④	Safety cable	2	

1 CONFIRMATION POINTS BEFORE INSTALLING

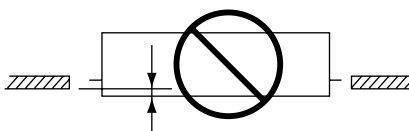
Confirm following points before installing ceiling panel.

- Is indoor unit installed horizontally?
 - Has drain check been done?
- Is insulation of refrigerant piping, drain piping and finishing of F cable completed?
- Is the space between bottom surfaces of indoor unit and ceiling corrects?
(Be sure to install the indoor unit as following position (1).) (Do not install the indoor unit as following position (2) & (3).)

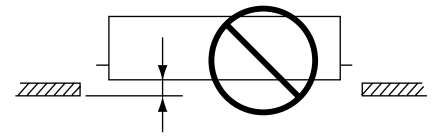
CAUTION If the indoor unit is inclined, water may leak.



(1) Same level (draw in 0 ~ 2mm)



(2) Stick out above 0mm



(3) Draw in above 3mm

- Have you set the drain pump test run switch to "NORMAL"?

2 INSTALL CEILING PANEL

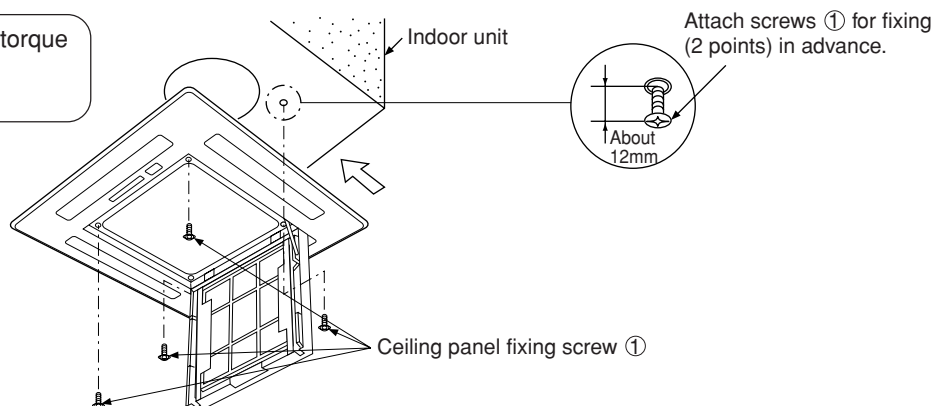
INSTALL CEILING PANEL

1. Attach screws (2 points) for fixing ceiling panel to indoor unit with space of approximately 12mm between each other. (Temporary fixing of ceiling panel cannot be done without having space.)
2. Press the mark "PUSH" on the left and right sides of the suction grille.
3. Insert elongated holes (2 points) on ceiling panel to the screws for fixing the panel and slide the panel towards the directions shown by arrow. And fix temporarily with screws for fixing the panel on suction grille stopper side (2 points).
4. Tighten the screws for fixing the panel (4 points).

• HOW TO SCREW FOR CEILING PANEL

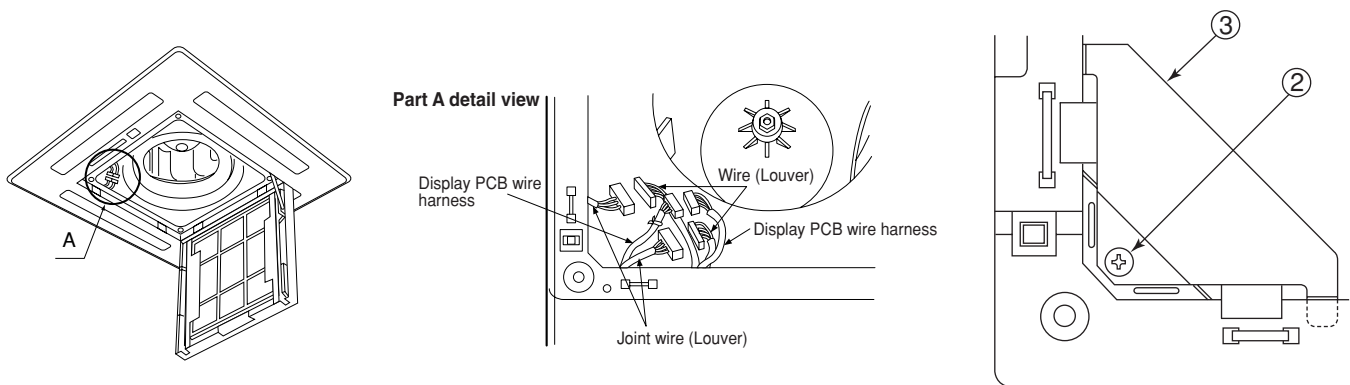
CAUTION

Fixing screw ① torque
1.47~2.45 N.m.
(15~25 kgf.cm)



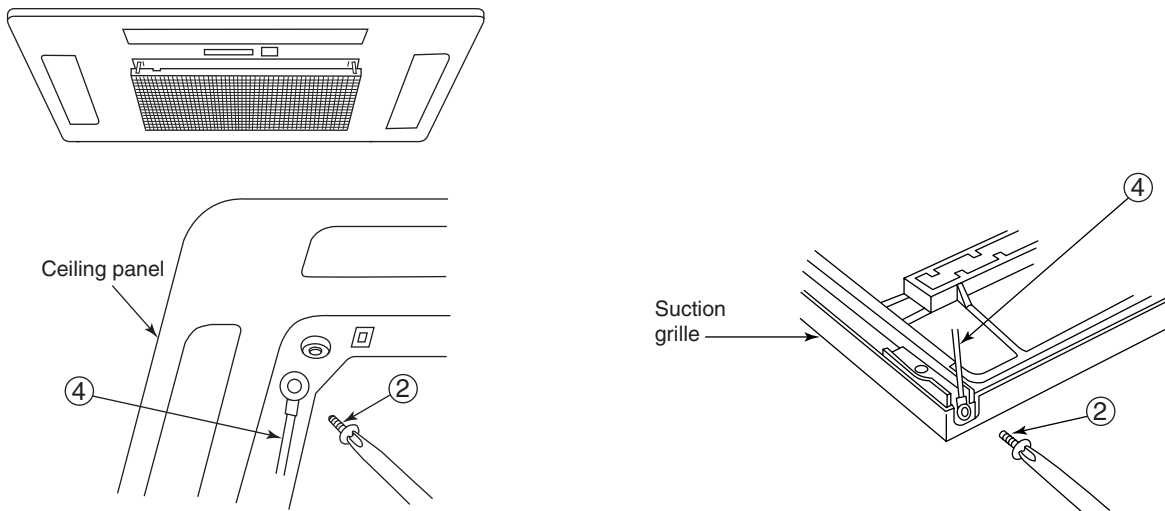
● HOW TO ARRANGE CONNECTORS AND LEAD WIRES

Connect the connectors in accordance to part A detail view, then cover the connectors and lead wires with connector cover ③ tighten the screws for fixing the connector cover by using tapping screw ②.



● HOW TO INSTALL SAFETY CABLE

Fix safety cable ④ connecting the ceiling panel and the suction grille (2 portions) by using tapping screw ②.



3 CONFIRMATION POINTS AFTER INSTALLATION

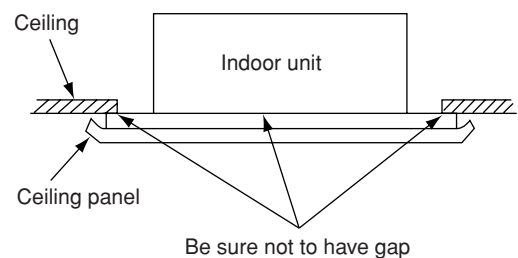
- Is there any gap between ceiling panel and indoor unit, ceiling panel and ceiling?



CAUTION

The gap can cause water dripping.

- Are lead wires not pinched between ceiling panel and indoor unit, ceiling panel and ceiling?
- Is air filter attached properly?



4 TRIAL OPERATION

- Execute trial operation to confirm the air conditioner is working normally (movement of vertical deflector, receiving signals from remote controller, etc.)
- Explain operation of this unit to the customers following the procedures on operation manual.
- Is timer lamp not blinking?
(If drain pump trial operation switch is in "trial operation" mode, timer lamp blinks 7 times.)