

SPLIT TYPE ROOM AIR CONDITIONER

Floor Console/Under Ceiling Dual Type

INSTALLATION MANUAL

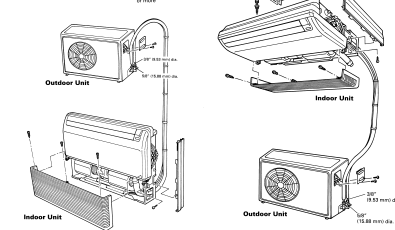
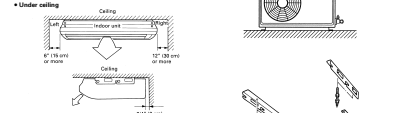
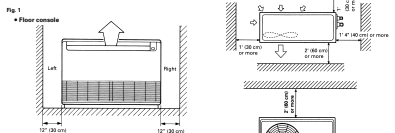
(PART NO. 9360374011-02)
For authorized service personnel only.

- WARNING**
- For the room air conditioner to operate satisfactorily, install it as outlined in this installation manual.
 - Connect the indoor unit and outdoor unit with the room air conditioner piping and cords available standards parts. This installation manual describes the correct connections using the installation set available from our standard parts.
 - Installation work must be performed in accordance with national wiring standards by authorized personnel only.
 - Never cut the power cord, lengthen or shorten the cord, or change the plug.
 - Also, do not use an extension cord.
 - Plug in the power cord plug firmly. If the receptacle is loose, repair it before using the room air conditioner.
 - Do not turn on the power until all installation work is complete.
- Be careful not to scratch the room air conditioner when handling it.
After installation, explain correct operation to the customer, using the operating manual.
Let the customer keep this installation manual because it is used when the room air conditioner is serviced or moved.

SELECTING THE MOUNTING POSITION

- WARNING**
- Install at a place that can withstand the weight of the indoor and outdoor units and install positively so that the units will not topple or fall.
- CAUTION**
- Do not install where there is the danger of combustion gas leakage.
 - Do not install near heat sources.
 - Do not install under 10 years old may approach the unit. Take preventive measures so that they cannot reach the unit.
- Decide the mounting position with the customer as follows:

- 1. INDOOR UNIT**
- Install the indoor unit level on a strong wall, floor, ceiling which is not subject to vibration.
 - The hole and outer pipe should not be obstructed; the air should be able to blow all over the room.
 - Install the unit where connection to the outdoor unit is easy.
 - Do not install the unit where it will be exposed to direct sunlight.
 - Do not install the unit where there is a danger of direct rain.
 - Do not install the unit where connection to the outdoor unit is easy.
 - Take venting, etc. into consideration and leave the space shown in Fig. 1. Also install the unit where the filter can be removed.



STANDARD PARTS

The following installation parts are furnished. Use them as required.

Name and Shape	Qty	Application
Cover plate (left)	1	For positioning the indoor unit
Cover plate (right)	1	For positioning the indoor unit
Drain hose (left)	1	For positioning the indoor unit
Drain hose (right)	1	For positioning the indoor unit
Bracket (left)	1	For supporting the indoor unit from ceiling
Bracket (right)	1	For supporting the indoor unit from ceiling
Anchor bolt (M2)	4	For supporting the indoor unit from ceiling
Spring washer	4	For supporting the indoor unit from ceiling
Washer	4	For supporting the indoor unit from ceiling
Wall bracket	2	For supporting the indoor unit on the wall
Drain pipe (left)	1	For fixing the wall bracket
Drain pipe (right)	1	For fixing the wall bracket
Drain hose (left)	1	For indoor side pipe joint (large pipe)
Drain hose (right)	1	For indoor side pipe joint (small pipe)
Nylon fastener	1	For fixing the drain hose
Drain hose	1	For indoor side pipe joint (small pipe)
Insulation (drain hose)	1	Adhesive tape 70 x 220
VT wire	1	For fixing the drain hose (L 300 mm)
Remote control unit	1	Use for air conditioner operation
Battery (smilelight)	4	For remote control unit
Remote control unit holder	1	For mounting the remote control unit
Drain pipe (left)	1	For remote control unit holder installation
Drain pipe (right)	1	For remote control unit holder installation

OPTIONAL PARTS FOR INDOOR UNIT

Name and Shape	Part No.	Application
Joint pipe A	9360374011-02	For indoor side pipe joint

CONNECTION PIPE REQUIREMENT

Table 1	Table 2
Minimum	Maximum
3.2 mm (1/8 in.)	10.2 mm (3/8 in.)
25 mm (1 in.)	25 mm (1 in.)
8 mm (5/8 in.)	8 mm (5/8 in.)

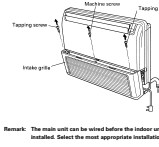
Use 0.7 mm to 1.2 mm thick pipe.
Use pipe with water-resistant heat insulation.
Use pipe that can withstand a pressure of 0.5 MPa.

INSTALLATION PROCEDURE

Follow the steps in order as follows.

1. PREPARING INDOOR UNIT INSTALLATION

1. REMOVE THE INTAKE GRILLE

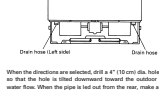


2. INDOOR UNIT INSTALLATION

A. FLOOR CONSOLE TYPE 1. DRILLING FOR PIPING

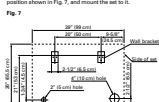


B. UNDER CEILING TYPE



2. INSTALLING DRAIN HOSE

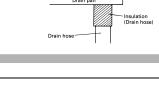
INSTALL THE DRAIN HOSE



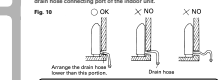
3. INSTALLING BRACKETS



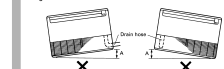
4. INSTALLING INDOOR UNIT



Be sure to arrange the drain hose so that it is levelled lower than the drain hose connecting part of the indoor unit.



Do not install the unit so that the drain hose side is too high. Height A should be less than 5 mm. (Fig. 11)



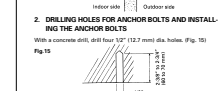
5. UNDER CEILING TYPE



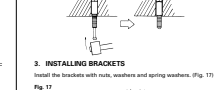
1. DRILLING FOR PIPING



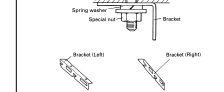
2. DRILLING HOLES FOR ANCHOR BOLTS AND INSTALLING THE ANCHOR BOLTS



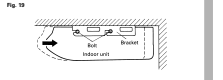
3. INSTALLING BRACKETS



4. INSTALLING INDOOR UNIT



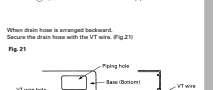
Apply the indoor unit to the brackets. (Fig. 19)



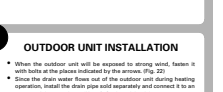
5. INSTALL THE DRAIN HOSE



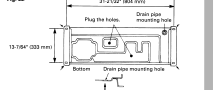
6. CONNECTION PIPES



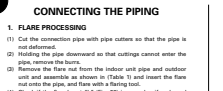
7. HEAT INSULATION ON THE PIPE JOINTS (INDOOR SIDE ONLY)



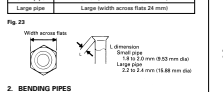
8. CONNECTING THE PIPING



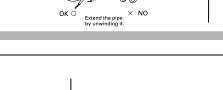
9. CHECKING THE PIPE CONNECTIONS FOR GAS LEAKING



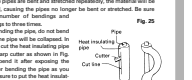
10. HEAT INSULATION ON THE PIPE JOINTS (INDOOR SIDE ONLY)



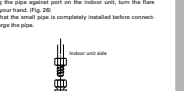
11. BENDING PIPES



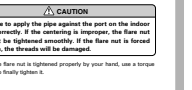
Do not bend the pipe in a sharp bend (90°). When the pipe is bent and dislocated repeatedly, the material will be damaged. Change the pipe to longer for ease or stretch. Be sure to limit number of bendings and stretchings to three times.



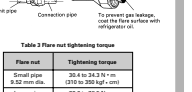
12. CONNECTION PIPES



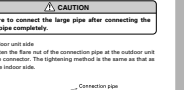
13. HEAT INSULATION ON THE PIPE JOINTS (INDOOR SIDE ONLY)



14. CONNECTING THE PIPING



15. CHECKING THE PIPE CONNECTIONS FOR GAS LEAKING



16. HEAT INSULATION ON THE PIPE JOINTS (INDOOR SIDE ONLY)



17. BENDING PIPES

