FRIGIDAIRE

All about the

Installation

of your

Split Type Room Air Conditioner

Refer to Page 2 for table of contents.
Welcome to the world of simple handling and no worries

Thank you for choosing Frigidaire. This manual contains all of the information required to guarantee your safety and the appropriate use of your air conditioner.
Please read all of the instructions before using the air conditioner and keep this manual for future reference.
We know you will enjoy your new air conditioner and thank you for choosing our product.
We hope you will consider us for future purchases.

Environmental advices

The packaging material used is recyclable. We recommend that you separate plastic, paper and cardboard and give them to recycling companies.
If you need to dispose of this appliance in the future, do not throw it away with the rest of your domestic garbage.

Attention!!

The air conditioner that you have bought may be slightly different from the one illustrated in this manual. Please refer to the information related to the model you have.
This air conditioner is for domestic use only. It is not recommended for heavy commercial or industrial use.
## Contents

01. Welcome................................................................................................................01
02. Environmental advices..........................................................................................01
03. Contents................................................................................................................02
04. Safety precautions.................................................................................................03
05. Installation:
   5.1 Choosing the installation site............................................................................04
   5.2 Parts list.............................................................................................................06
   5.3 Indoor unit installation.....................................................................................08
   5.4 Outdoor unit installation..................................................................................12
   5.5 Refrigerant piping connection..........................................................................14
   5.6 Electrical work.................................................................................................16
   5.7 Purging the system...........................................................................................20
   5.8 Electrical safety................................................................................................23
   5.9 Gas leak check...................................................................................................23
   5.10 Initial operation test........................................................................................24
Safety precautions

This appliance must be installed by a qualified licensed HVAC technician in accordance with all applicable codes. All electrical connections should be performed by a licensed electrician. Manufacturer's warranty will be voided with failure to comply.

Incorrect Handling could result in Serious Injury or Death!

1. Do not attempt to install the split air conditioner by yourself.
2. This air conditioner contains no user-serviceable parts. Always call an authorized Electrolux servicer for repairs.
3. When moving the air conditioner, always call an authorized Frigidaire servicer for disconnection and re-installation.
4. Do not insert fingers or place objects into the discharge area in the front of the indoor unit.
5. Do not insert fingers or place objects into the discharge area in the front of the outdoor unit.
6. Do not start or stop the air conditioner by turning off the power at the electrical box.
7. In the event of a malfunction (sparks, burning smell, etc.) immediately power off unit and call an authorized Frigidaire servicer.
8. Do not operate the air conditioner with wet hands.
9. Do not drink any water or condensation that is drained from the air conditioner.
10. Provide occasional ventilation during use. Do not direct airflow at fire places or other heat related sources as this could cause flare ups or make units run excessively.
11. Do not climb on or place objects on the outdoor unit.
12. Do not hang objects off the indoor unit.
13. Do not place objects containing water on the indoor and/or outdoor units.
14. Turn off the air conditioner at the power source when it will not be used for an extended period of time.
15. Periodically check the condition of the outdoor unit's installation base for any damage.
16. Do not apply heavy pressure to the coil fins of the indoor and/or outdoor units.
17. Operate the indoor unit with air filters in place.
18. Do not block or cover the intake grille, discharge area and outlet ports.
19. Ensure that any electrical/electronic equipment is 36” away from the indoor unit and outdoor unit.
20. Do not use or store flammable gases near the indoor and/or outdoor units.
Choosing the installation site

Installation Warnings
1. Carefully read the installation manual before beginning.
2. Follow each step as shown.
3. Observe all local, state and national electric codes. This appliance must be installed by a qualified licensed HVAC technician in accordance with all applicable codes. All electrical connections should be performed by a licensed electrician. Failure to comply will result in a void of the manufacturer's warranty.
4. Pay attention to all safety notices.

Precautions for Installation
Installation at the following sites may cause problems. If you must inevitably install the unit at one of these sites, please consult your local distributor beforehand:
1. Sites with machine oil.
2. Sites with a high concentration of salinity, such as coastal areas.
3. Sites with sulfuric gas, such as hot water springs.
4. Sites with high frequency equipment, such as wireless equipment, welding machines and medical installations.
5. Sites with flammable gases or volatile material.
6. Sites with special environmental conditions.
7. Laundry rooms.
Choosing the installation site

Indoor Unit

1. Install unit where air flow will not be obstructed.
2. The installation location must support the weight of the indoor unit.
3. The site must be easily accessible for maintenance and replacement of the air filter.
4. The installation location must allow for the necessary space around the indoor unit, as shown in the figure 1.1.
5. There should be at least 3 feet (1 meter) between the unit and radio or television devices. It is ideal that the unit be installed at the center of the wall.
6. The indoor unit must be kept away from fire, smoke and flammable gases.

7. We recommend the indoor unit to be installed as high up as possible on the inside wall (minimum of 7 feet high), always leaving a space of at least 6" between the top of the indoor unit and the ceiling.
8. The installation location must allow for the easy removal of the connector pipe and drain hose.
9. The unit must be installed at a location protected from direct sunlight.

Outdoor Unit

1. The outdoor unit must be installed at a convenient site that is not exposed to strong winds. The site should be dry and well ventilated.
2. The site must support the weight of the outdoor unit and allow for vertical installation.
3. The site must be kept away from flammable gases.
4. The site must provide enough space around the unit, as shown in figure 1.2.
5. Children must not be able to access the installation site.

More than 2"

More than 78"

More than 18.5"

More than 12"

More than 8.5"

More than 6"

More than 6"
Part Lists

Tools needs for installation

1. Level gauge
2. Screw driver
3. Electric drill
4. Hole core drill (Ø55mm / Ø70mm)
5. Flaring tool set
6. Specified torque wrenches
7. Spanner (half union)
8. A glass of water
9. Hexagonal wrench (4mm)
10. Gas-leak detector
11. Vacuum pump
12. Gauge manifold
13. User manual
14. Thermometer
15. Multimeter
16. Pipe cutter
17. Measuring tape

Accessories

<table>
<thead>
<tr>
<th>Number</th>
<th>Name of Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Indoor unit mounting plate</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Clip anchor</td>
<td>Not supplied</td>
</tr>
<tr>
<td>3</td>
<td>Self-tapping screw A ST3.9X25</td>
<td>5-8</td>
</tr>
<tr>
<td>4</td>
<td>Remote control</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Remote control holder (Optional)</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Screw for remote holder ST2.9X10 (Optional)</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Battery (AAA 1.5V)</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Insulation material</td>
<td>Not supplied</td>
</tr>
<tr>
<td>9</td>
<td>Connection piping assembly (Optional)</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Insulation hose for refrigerant piping</td>
<td>Not supplied</td>
</tr>
<tr>
<td>11</td>
<td>Drain hose</td>
<td>Not supplied</td>
</tr>
<tr>
<td>12</td>
<td>Wall clamp</td>
<td>Not supplied</td>
</tr>
<tr>
<td>13</td>
<td>Connection power cable</td>
<td>Not supplied</td>
</tr>
<tr>
<td>14</td>
<td>Drain connector (Heat Pump model only)</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>Drain plug (Heat Pump model only) (Optional)</td>
<td>2-3</td>
</tr>
<tr>
<td>16</td>
<td>Thermal insulating pipe for extending drain hose</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>Flare nut (for suction pipe) (Optional)</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>Flare nut (for liquid pipe) (Optional)</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Other necessary parts for the installation, besides the above mentioned, must be provided by the customer/installer.
NOTE
All the pictures in this manual are for explanation purposes only. The actual shape of the indoor unit you purchased may be slight different on front panel and display window.The actual shape shall prevail.
Indoor unit installation

Wall mounting brackets and dimensions

- Refrigerant pipe hole (right) Ø 2.56"

**≤12000 Btu's**  
(A:33.31"  B:10.83")

**=18000 Btu's**  
(A:36.97"  B:11.73")

**=22000 Btu's**  
(A:39.69"  B:12.40")
Installing the Wall Mounting Bracket

1. Install the wall mounting bracket horizontally over the structural parts on the wall using the spaces indicated on the bracket, as shown in figure 1.3.
2. In the case of tiled, concrete or similar walls, create 1/32" diameter holes. Place anchor supports for the appropriate assembly screws.
3. Install the wall mounting bracket to the wall with eight A type screws.
4. At all times securing to the wall studs is recommended.

Attention!!!

Fit the wall mounting bracket and drill holes in the wall according to the wall structure and corresponding mounting points on the wall mounting bracket (Dimensions are in “inches” unless otherwise stated).

Drilling the Hole

1. Determine the position of the hole for the pipes using the wall mounting bracket and drill the pipe hole so that it is tilted slightly downward.
2. Always use a pipe cover with an opening when drilling.
Connective pipe and drainage installation

Connective pipe
1. For the left-hand and right-hand piping, remove the pipe cover from the side panel. The pipe cover can be kept as it may be used when relocating the air conditioner to any other place.
2. For the rear-right-hand and rear-left-hand piping, install the piping as shown in figure 1.4. Bend the connective pipe to be laid at a height of 1-11/16" or less from the wall. Fix the end of the connective pipe.

Drainage
1. Run the drain hose sloping downward. Do not install the drain hose as illustrated in figure 1.5.
2. When connecting extension drain hose, insulate the connecting part of extension drain hose with a shield pipe, do not let the drain hose slack.

Fastening the Indoor Unit
1. Pass the piping through the hole in the wall.
2. Put the upper claw at the back of the indoor unit on the upper hook of the wall mounting bracket, move the indoor unit from side to side to see that it is securely hooked.
3. Piping can easily be made by lifting the indoor unit with a cushioning material between the indoor unit and the wall.

4. Push the lower part of the indoor unit up on the wall, Then move the indoor unit from side to side, up and down to check if it is hooked securely.

Piping and wrapping

1. Bundle the tubing, connecting cable, and drain hose with tape securely and evenly as shown in the sideward figure.

2. Because the condensed water from rear of the indoor unit is gathered in ponding box and is piped out of room, do not put anything else in the box.

Attention!!

1. Connect the indoor unit first, then the outdoor unit.

2. Be careful not to let the drain hose slack.

3. Both of the auxiliary piping should be heat insulated.

4. Be sure that the drain hose is located at the lowest side of the bundle. Locating at the upper side may cause drain pan to overflow inside the unit.

5. Never intercross nor intertwist the power wire with any other wiring.

6. Run the drain hose sloped downward to drain out the condensed water smoothly.
Outdoor unit installation

1. Install the outdoor part of the unit on a flat surface to avoid excess noise and vibration. A condenser pad is recommended.
2. Direct the air vent toward an area without obstacles.
3. Install the unit at the site where it is exposed to as little wind as possible, especially in areas where it is frequently windy.
4. If the installation site is exposed to heavy winds, such as in coastal areas, place the unit along the widest part of the wall or use protective plates.
5. Be sure there is no obstacle which blocks exhausting air, including shrubs or bushes.

Settlement of outdoor unit. Anchor the outdoor unit tightly and horizontally on a concrete or flat mount with a bolt and nut 2/5" or 5/16" diameter (Purchased separately).

<table>
<thead>
<tr>
<th>Capacity (BTU/h)</th>
<th>Outdoor unit dimension inch(WxHxD)</th>
<th>A (inch)</th>
<th>B (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9000</td>
<td>33-9/25 x 21-6/25 x 12-3/5</td>
<td>21-6/25</td>
<td>11-7/25</td>
</tr>
<tr>
<td>18000</td>
<td>37-3/5 x 27-3/5 x 15-3/5</td>
<td>24-6/25</td>
<td>15-9/25</td>
</tr>
<tr>
<td>22000</td>
<td>38-3/5 x 31-1/10 x 16-3/5</td>
<td>26-4/25</td>
<td>17-7/25</td>
</tr>
<tr>
<td>28000</td>
<td>38-3/5 x 31-1/10 x 16-3/5</td>
<td>26-4/25</td>
<td>17-7/25</td>
</tr>
<tr>
<td>33600</td>
<td>38-3/5 x 31-1/10 x 16-3/5</td>
<td>26-4/25</td>
<td>17-7/25</td>
</tr>
<tr>
<td>26000</td>
<td>38-3/5 x 31-1/10 x 16-3/5</td>
<td>26-4/25</td>
<td>17-7/25</td>
</tr>
<tr>
<td>34400</td>
<td>42-4/5 x 43-4/5 x 17-3/10</td>
<td>31-3/25</td>
<td>18-3/25</td>
</tr>
</tbody>
</table>
Condensate drainage of outdoor unit (cooling only excluded)

The condensate and defrosting water produced during heating in the outdoor unit can be properly discharged by drainage pipe.

Installation method: Insert the drain connection into one of the holes of the chassis and then connect drainage pipe with drain nozzle. Insert drainage plugs (with different appearance) into the other holes.
Refrigerant piping connection

Unit comes with 25' tubing bundle. It is not recommended to cut. If too long, loop for excess.

Note: Keep original bend so not kinking of the tube occurs.

Flaring work

Main cause for refrigerant leakage is due to defect in the flaring work.

Carry out correct flaring work using the following procedure:

1. Cut the pipes and the cable.
   A) Use the piping kit accessory or pipes purchased locally.
   B) Measure the distance between the indoor and the outdoor unit.
   C) Cut the pipes a little longer than the measured distance.
   D) Cut the cable 5ft longer than the pipe length.

2. Burr removal
   A) Completely remove all burrs from the cut cross section of pipe/tube.
   B) Put the end of the copper tube/pipe in a downward direction as you remove burrs in order to avoid dropping burrs into the tubing.

3. Put nut on.
   Remove flare nuts attached to indoor and outdoor unit, then put them on pipe/tube having completed burr removal. (It is not possible to put them on after flaring work)
4. Flaring work.
Firmly hold copper pipe in a die in the dimension shown in the table below.

<table>
<thead>
<tr>
<th>OUTER DIAMETER (inch)</th>
<th>A (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Max.</td>
</tr>
<tr>
<td>1/4</td>
<td>0.051</td>
</tr>
<tr>
<td>3/8</td>
<td>0.063</td>
</tr>
<tr>
<td>1/2</td>
<td>0.071</td>
</tr>
<tr>
<td>5/8</td>
<td>0.095</td>
</tr>
</tbody>
</table>

Connection Adjustment

1. Align the pipes to be connected.
2. Screw the flare nut with your fingers, and then tighten it with a spanner and torque wrench, as shown in figure 1.6.

Caution: Excessive twisting may break the nut, depending on the installation conditions.

<table>
<thead>
<tr>
<th>OUTER DIAMETER (inch)</th>
<th>TIGHTENING TORQUE (lbf·in)</th>
<th>ADDITIONAL TIGHTENING TORQUE (lbf·in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>139</td>
<td>174</td>
</tr>
<tr>
<td>3/8</td>
<td>260</td>
<td>304</td>
</tr>
<tr>
<td>1/2</td>
<td>434</td>
<td>477</td>
</tr>
<tr>
<td>5/8</td>
<td>651</td>
<td>694</td>
</tr>
</tbody>
</table>
Electrical work

Electric safety regulations for the initial installation

1. If there is serious safety problem about the power supply, the technicians should refuse to install the air conditioner and explain to the client until the problem is solved.

2. Power voltage should meet the requirements in table 2.1.

3. Over current protection and circuit disconnect should meet the requirements in table 2.1 and the applicable local and national electrical codes.

4. Ensure the air conditioner is grounded well.

5. All wiring must comply with local and national electrical codes and be installed by qualified and skilled electricians.

6. An individual branch circuit used only for this air conditioner must be available. See table 2.1.

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**Connecting (Power and Control Cable)**

- The main power is supplied to the outdoor unit. The field supplied connecting cable from the outdoor unit to indoor unit consists of four wires and provides the power for the indoor unit as well as the communication signal and ground between the outdoor and indoor unit. Two wires are high voltage AC power, one is low voltage DC signal and one is a ground wire.

- Consult local building codes, NEC (National Electrical Code) or CEC (Canadian Electrical Code) for special requirements.
Connect the cable to the indoor unit

1. The inside and outside connecting cable can be connected without removing the front grille.
2. Connecting cable between indoor unit and outdoor unit shall be approved polychloroprene sheathed flexible type cord.
3. Lift the indoor unit panel up, remove the electrical box cover by loosening the screw.
4. Ensure the wire color of the outdoor terminal and indoor terminal correspond respectively.
5. Wrap the cable not connected to the terminal block with insulation tape so that they will not come in contact with any electrical components. Secure the cable onto the control board with the cord clamp.
Connect the cable to the outdoor unit

1. Remove the electrical control board cover from the outdoor unit by loosening the screw.

2. Connect the connective cables to the terminals as identified with their respective matched numbers on the terminal block of indoor and outdoor units. The connective cable to power supply shall be approved polychloroprene sheathed flexible cord.

3. Secure the cable onto the control board with the cord clamp.

4. To prevent the ingress of water, form a loop of the connective cable as illustrated in the installation diagram of indoor and outdoor units.

5. Insulate unused cords (conductors) with PVC-tape. Process them so they could not touch any electrical or metal parts.
Caution

After the confirmation of the above conditions, prepare the wiring as follows:
1. Never fail to have an individual power circuit specifically for the air conditioner. As for the method of wiring, be guided by the circuit diagram posted on the inside of control cover.
2. The screws which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could cause burn-out of the wires.)
4. Confirm that electrical capacity is sufficient.
5. See to that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
6. Confirm that the cable thickness is as specified in the power source specification.
7. Always install an earth leakage circuit breaker in a wet or moist area.
8. The following would be caused by voltage drop: vibration of a magnetic switch, which will damage the contact point, fuse breaking, disturbance of the normal function of the overload protector.
9. The means for disconnection from a power supply shall be incorporated in the fixed wiring and have an air gap contact separation of at least 1/8" in each active (phase) conductors.

Purging the system

Air and moisture in the refrigeration system have undesirable effects as indicated below:

1. Pressure in the system rises.
2. Operating current rises.
3. Cooling or heating (only for models with heating function) efficiency drops.
4. Moisture in the refrigerant circuit may freeze and block capillary tubing.
5. Water may lead to corrosion of parts in the refrigeration system.

Therefore, the indoor unit and tubing between the indoor and outdoor unit must apply leakage test and be evacuated to remove any noncondensables and moisture from the system.
Purging the system with a vacuum pump

1. Check that each tube (both liquid and gas side tubes) between the indoor and outdoor units have been properly connected and all wiring for the test run has been completed. Remove the service valve caps from both the gas and the liquid side on the outdoor unit. Note that both the liquid and the gas side service valves on the outdoor unit are kept closed at this stage.

2. When relocating the unit to another place, perform evacuation using vacuum pump.

3. Oil trap should be installed every 16'-25' (no oil trap needed when outdoor unit installed at a lower place than indoor unit).

4. Pipe length and refrigerant amount for single split type air conditioner. (see table 2.2)

![Diagram of system](image)

**Table 2.2**

<table>
<thead>
<tr>
<th>Cooling capacity (BTU/h)</th>
<th>System</th>
<th>Connective pipe length (A)</th>
<th>Max height difference (B)</th>
<th>Air purging</th>
<th>Additional amount of refrigerant to be charged</th>
</tr>
</thead>
<tbody>
<tr>
<td>9000</td>
<td>Heat Pump</td>
<td>25'-49'</td>
<td>16'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.22ozs/ft* (Pipe length-25')</td>
</tr>
<tr>
<td>12000</td>
<td>Heat Pump</td>
<td>25'-66'</td>
<td>33'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.22ozs/ft* (Pipe length-25')</td>
</tr>
<tr>
<td>18000</td>
<td>Cooling Only</td>
<td>25'-82'</td>
<td>33'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.16ozs/ft* (Pipe length-25')</td>
</tr>
<tr>
<td>22000</td>
<td>Heat Pump</td>
<td>25'-82'</td>
<td>33'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.54ozs/ft* (Pipe length-25')</td>
</tr>
<tr>
<td>28000</td>
<td>Heat Pump</td>
<td>25'-98'</td>
<td>66'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.54ozs/ft* (Pipe length-25')</td>
</tr>
<tr>
<td>33600</td>
<td>Heat Pump</td>
<td>25'-98'</td>
<td>66'</td>
<td>Use vacuum pump.</td>
<td>R410a: 0.54ozs/ft* (Pipe length-25')</td>
</tr>
</tbody>
</table>
5. Pipe length and refrigerant amount for multi split type air conditioner. (see table 2.3)

<table>
<thead>
<tr>
<th>Cooling capacity (BTU/h)</th>
<th>Connective pipe length (Lx)</th>
<th>Max connective pipe total length (H1)</th>
<th>Max height difference (H2)</th>
<th>Air purging</th>
<th>Additional amount of refrigerant to be charged</th>
</tr>
</thead>
<tbody>
<tr>
<td>26000</td>
<td>25'-66' (x=1, 2, 3)</td>
<td>197' (H1=L1+L2+...+Lx, x≤3)</td>
<td>50'</td>
<td>Use vacuum pump</td>
<td>R410a: 0.22ozs/ft×(Pipe length-82')</td>
</tr>
<tr>
<td>34400</td>
<td>25'-82' (x=1, 2, 3, 4, 5)</td>
<td>246' (H1=L1+L2+...+Lx, x≤5)</td>
<td>50'</td>
<td>Use vacuum pump</td>
<td>R410a: 0.22ozs/ft×(Pipe length-131')</td>
</tr>
</tbody>
</table>

Caution in handling the packed valve integrated in the outlets of outdoor unit.

1. Operation of opening packed valve: Open the valve stem until it hits against the stopper. Do not try to open it further.
2. Operation of closing packed valve: Securely tighten the valve stem with a special tool. Then securely tighten the valve stem cap with a spanner or the like. Refer to the table on page 17 for valve cap tightening torque.

Note: There is a charging port integrated in the low side outlet, but not in the high side outlet. The low side outlet is shown in the sketch map below.
When using the vacuum pump

For method of using a manifold valve, refer to its operation manual.

1. Completely tighten the flare nuts at connection point A, B, C and D. Connect valve core removal tool to the charging port, then connect vacuum hose to valve core tool. Open the schrader valve. Note: The schrader valve is inside the charging port.
2. Connect the other charge hose of manifold valve to the vacuum pump.
3. Fully open the Low Side handle of the manifold valve.
4. Operate the vacuum pump to evacuate. After starting evacuation, slightly loose the flare nut of the Low Side valve on the gas pipe side and check if the air is entering (Operation noise of the vacuum pump changes and a compound meter indicates 0 instead of minus), then tighten the flare nut. The procedure verifies if there are blocks inside the tubes.
5. Make evacuation for 15 minutes or more and check that the compound meter indicates -7-3/5 x 10 Microns Hg (-1x10 Pa). After the evacuation is completed, fully close the Low Side handle of the manifold valve and stop the operation of the vacuum pump.
6. Turn the stem of the packed valve B about 45° counterclockwise for 6~7 seconds after the gas comes out, then tighten the flare nut again. Make sure the pressure display in the pressure indicator is a little higher than the atmospheric pressure. This procedure verifies if the refrigerant goes through the tubes correctly.
7. Close the schrader valve, then remove the valve core tool. Replace the charging port cap.
8. Fully open the packed valve stems B and A.
9. Securely tighten the cap of the packed valve.
Electrical safety

Perform the electric safety check after completing installation:

1. Insulated resistance: The insulated resistance must be more than 2M.
2. Grounding work: After finishing grounding work, measure the grounding resistance by visual detection and grounding resistance tester. Make sure the grounding resistance is less than 4.
3. Electrical leakage check (performing during test running): During test operation after finishing installation, the serviceman can use the electric probe and multimeter to perform the electrical leakage check. Turn off the unit immediately if electrical leakage happens. Check and find out the solution ways till the unit operates properly.

Gas leak check

Soap water method

Apply a soap water or a liquid neutral detergent on the indoor unit connection or outdoor unit connections by a soft brush to check for leakage of the connecting points of the piping. If bubbles come out, the pipes have leakage point.

Leak detector

Use the leak detector to check for leakage.

Caution

A: Low side valve, B: High side valve valve C and D are ends of indoor unit connection.
Initial operation test

Perform test operation after completing gas leak check at the flare nut connections and electrical safety check.

1. Connect the power, press the ON/OFF button on the remote controller to turn the unit on.
2. Use the MODE button to select COOL, HEAT (Only for models with heating function), AUTO and FAN to check if all the functions work well.
3. When the ambient temperature is too low (lower than 63 °F), the unit cannot be controlled by the remote controller to run in cooling mode, manual operation can be taken. Manual operation is used only when the remote controller is disable or maintenance necessary.