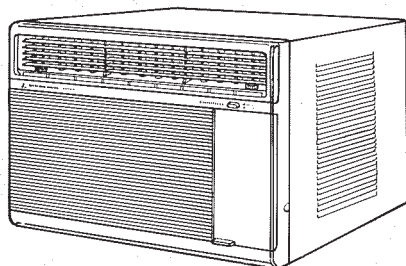


OPERATING INSTRUCTIONS

Models **MW-08GV** **MWH-08GV series**



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Read these instructions carefully before use.

After reading them, keep them in a safe place for future reference. They will prove useful later when further information is needed or the air conditioner is not working properly.

1. GENERAL NOTES

Do not install the unit in mobile homes or caravans

Model	Function
MW-08GV	Cooling only type
MWH-08GV	Cooling and Heating type

※MW-08GV only

Drainage pipe

Select a drain method according to the following cases. (See to the INSTALLATION MANUAL)

1. When using drain water evaporation.
2. When not using drain water evaporation.

Particular attention should be paid to these precautions. Read the entire text carefully, as there are many important points the user should know.

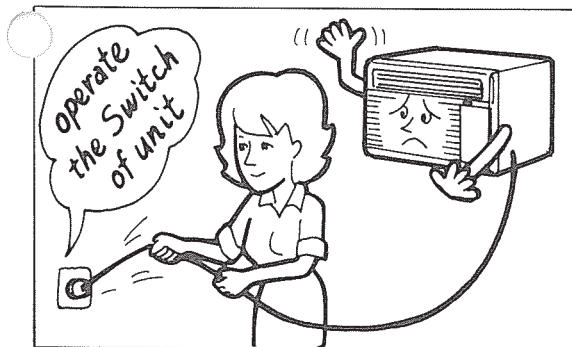
■ Switch the air conditioner off, disconnect its POWER CORD from the power outlet, and then contact your local dealer in any of the following cases.

- If the POWER CORD (PLUG) overheats during operation.
- If the switches do not work properly.
- If the safety mechanism is actuated from time to time.
- If the air conditioner does not run correctly.
- If the covering of the POWER CORD is damaged in any way.
- If some foreign object has been pushed into the air conditioner.
- If water is accidentally spilled on the air conditioner.

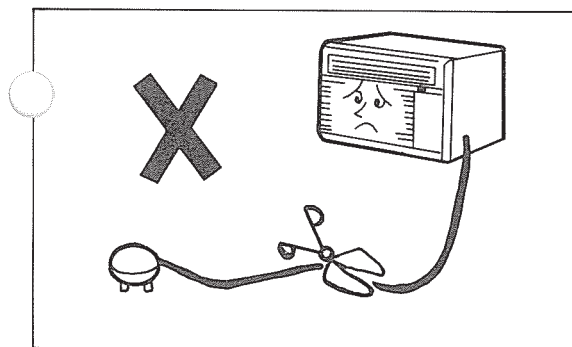
- Use the correct power (voltage and frequency) indicated on the unit to operate the air conditioner and use only fuses with the specified capacity. Do not use pieces of wire instead of the fuses.



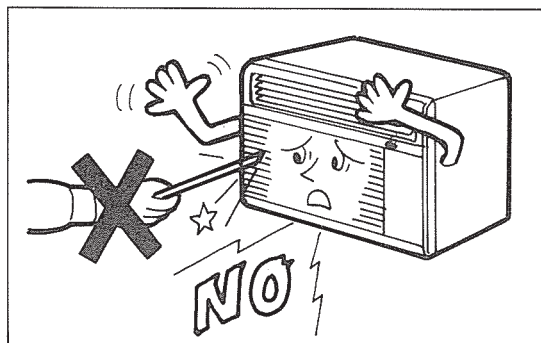
- Be sure to start/stop the unit with the switch, do not plug in or pull out the POWER CORD.



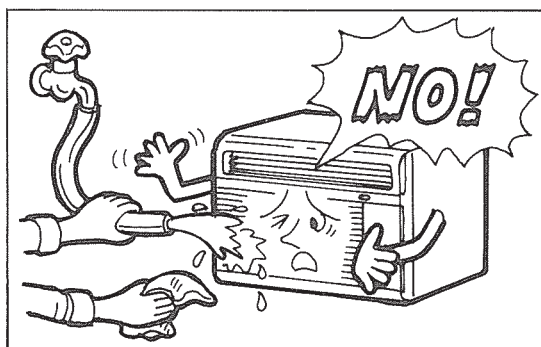
- Do not cut the POWER CORD to connect it with other cords in the middle or join them with an extension cord from the outlet. Incorrect connection may result in overheating and fire.



- Do not push anything into the AIR INLET GRILLE and AIR OUTLET LOUVER while the air conditioner is working.

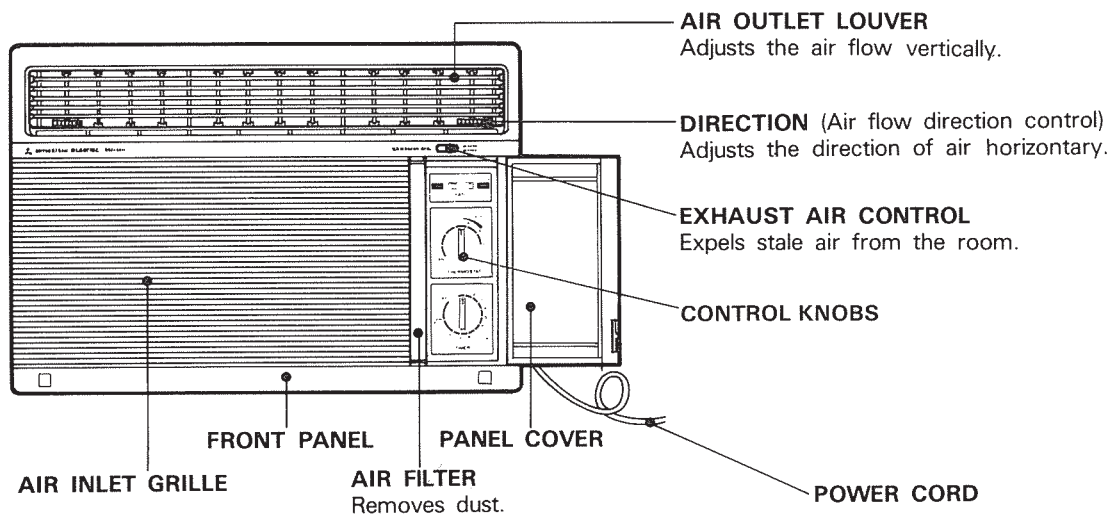


- Do not pour water onto the air conditioner when cleaning.

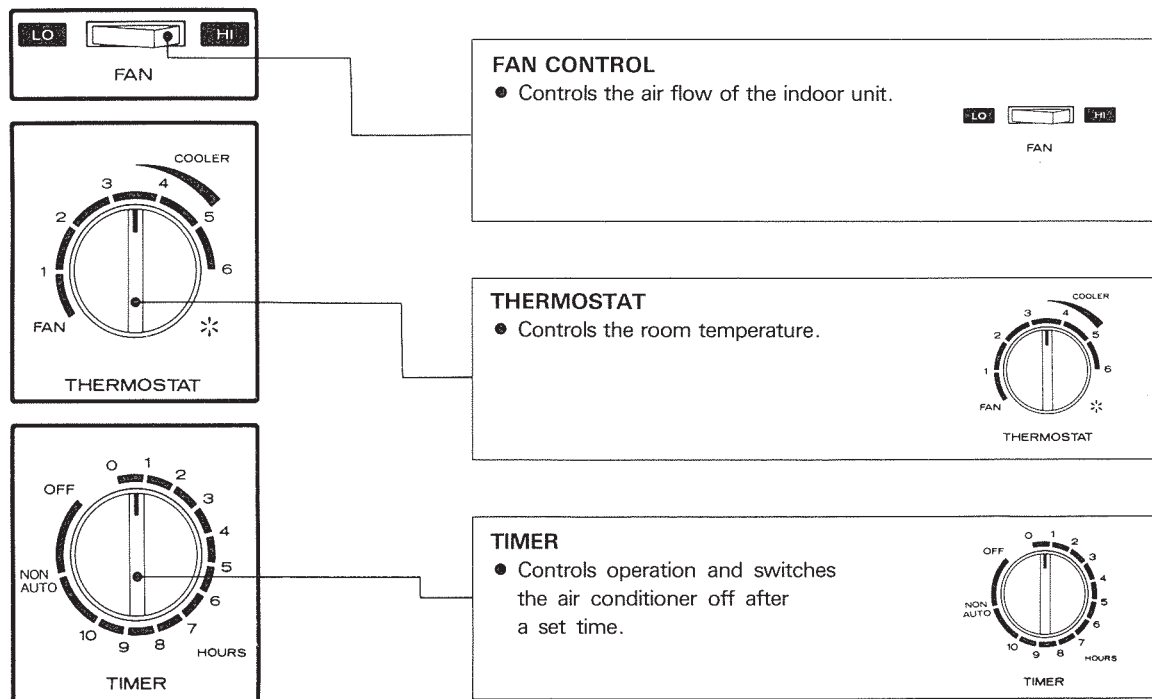


2. PART NAMES AND THEIR FUNCTIONS

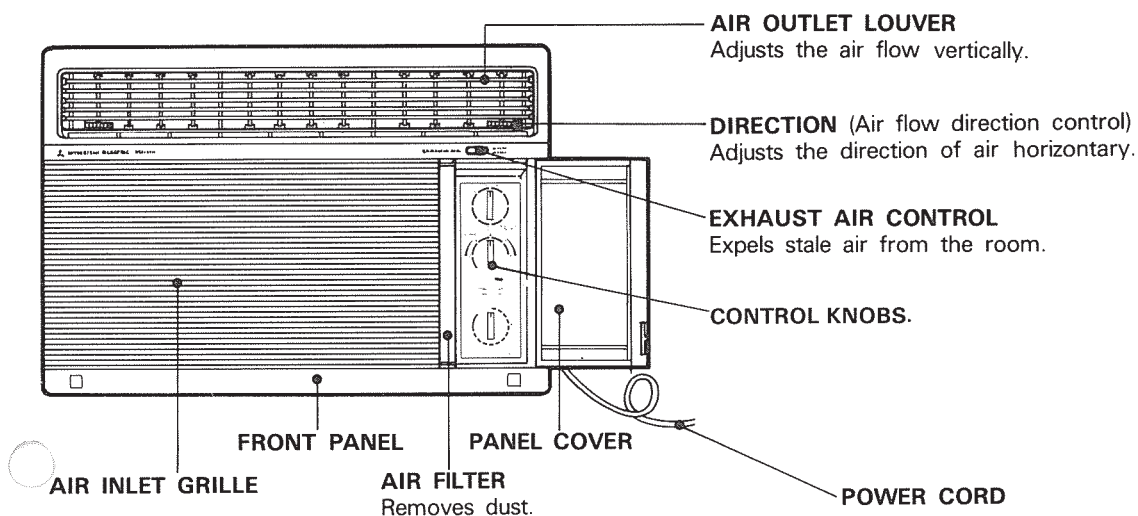
2-1 MW-08GV [Cooling only type]



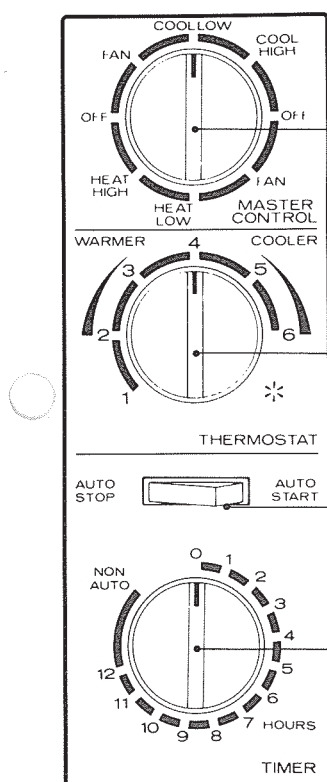
• CONTROL KNOBS



2-2 MWH-08GV [Cooling and Heating type]



● CONTROL KNOBS



MASTER CONTROL

- Controls operation.

OFF	Stops operation.
FAN	Fan operation.
COOL LOW	Cooling with low air flow.
COOL HIGH	Cooling with strong air flow.
HEAT LOW	Heating with low air flow.
HEAT HIGH	Heating with strong air flow.

THERMOSTAT

- Controls the room temperature.

TIMER SWITCH

- This switch automatically starts or stops the air conditioner when using the timer.

AUTO STOP: The air conditioner is stopped when the AUTO STOP time is required.

AUTO START: The air conditioner is started when the AUTO START set time is required.

TIMER

- The timer can automatically stop or start the air conditioner in the range of 12 hours.

Set it to **NON AUTO** when the timer control is not required.

3. OPERATING PROCEDURE

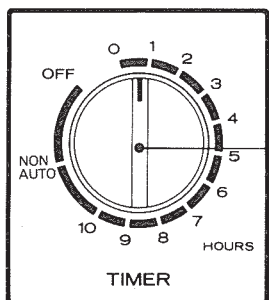
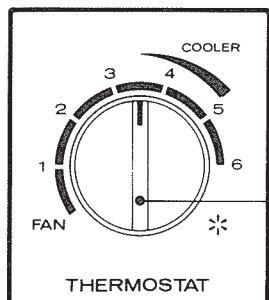
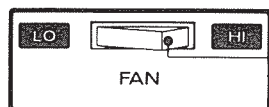
3-1 MW-08GV type Operating procedure

Precautions: When turning on the unit.

- Remove any objects blocking the air outlet and inlet preventing circulation of the air.
- Keep the end of the drain hose clear of gutters or containers. Ensure the end of the drain hose does not become immersed in water.

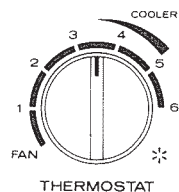
(1) Cooling

● How to set the CONTROLS



1

Set the THERMOSTAT as desired position between 1 and 6.



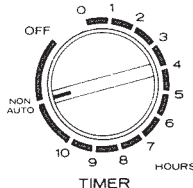
2

Set the FAN as desired.



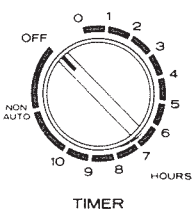
3

Set the TIMER at NON AUTO.



STOP

Turn the TIMER to OFF.



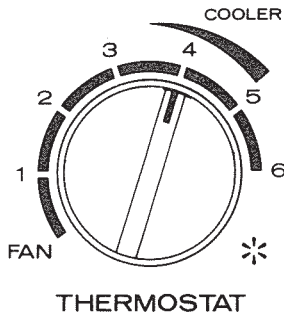
CAUTION :

Do not use the unit with the THERMOSTAT set to mark * (Test run).

Mark * (Test run) is the position to set the THERMOSTAT for a test run when the room temperature is low. Operating the unit in this state for a prolonged time causes dew condensation on the main unit and may cause water drip.

(2) Adjusting the room temperature (THERMOSTAT)

The THERMOSTAT switch can be used to regulate the room temperature, automatically. To adjust refer to the figure below.



Set the THERMOSTAT switch to '4' for normal cooling. For an increased cooling effect, set the switch to '5' or '6'.

CAUTION

Do not rotate the THERMOSTAT switch to '1' immediately after turning it to '6' during a cooling operation or when the cooling operation has stopped. Always wait at least **3 minutes** before rotating this switch to '6'.

(3) Adjusting the air flow (FAN CONTROL)



LO

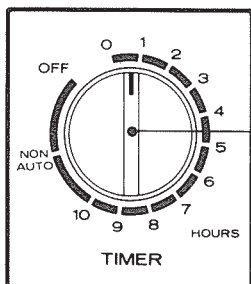
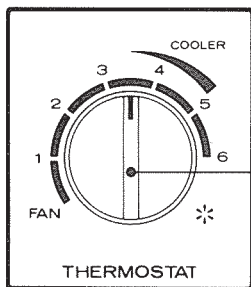
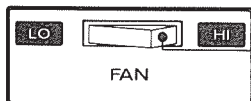
There will be a low operating noise and a gentle air flow.

HI

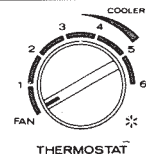
The air flow will increase when set to this position.

(4) FAN operation

- FAN operation circulates air in the room and removes dust in the air.
- How to set the CONTROLS.



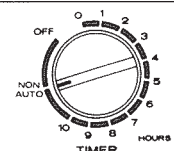
- 1 Set to FAN.



- 2 Set the FAN as desired.

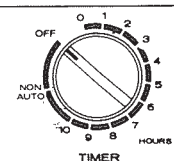


- 3 Set the TIMER at NON AUTO.



STOP

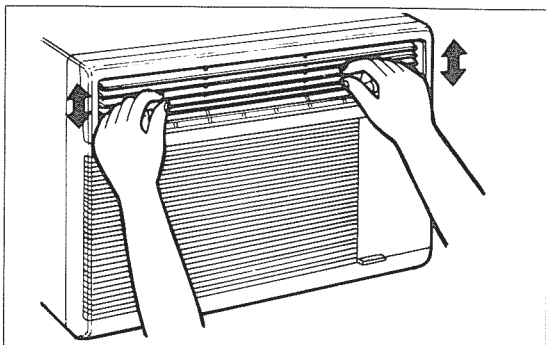
Turn the TIMER to OFF.



(5) Air flow direction adjustment

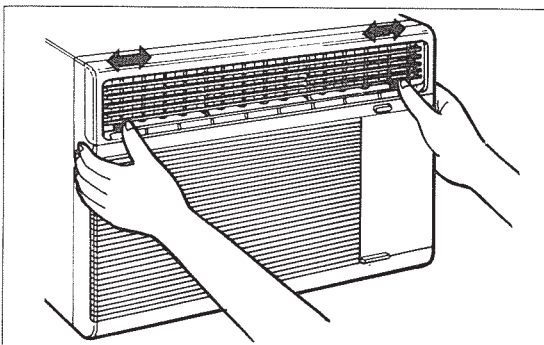
Vertical adjustment

Move the AIR OUTLET LOUVER in the directions indicated by the arrows and you will then be able to change the air flow direction.

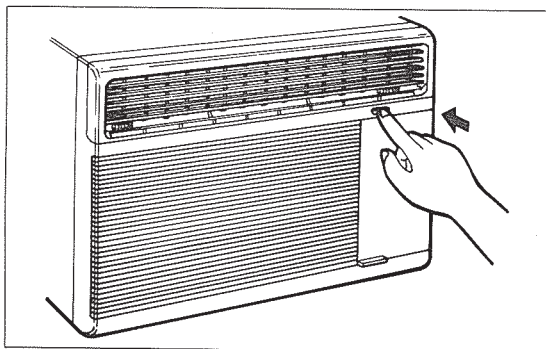


Horizontal adjustment

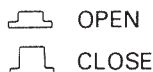
Move the DIRECTION knobs in the directions indicated by the arrows and you will then be able to change the air flow direction.



(6) Ventilation (EXHAUST AIR CONTROL)



Set the EXHAUST AIR CONTROL lever to OPEN when the air in the room is dusty or full of cigarette smoke.



CAUTION

The cooling effect will be impaired if you keep the EXHAUST AIR CONTROL lever at OPEN.

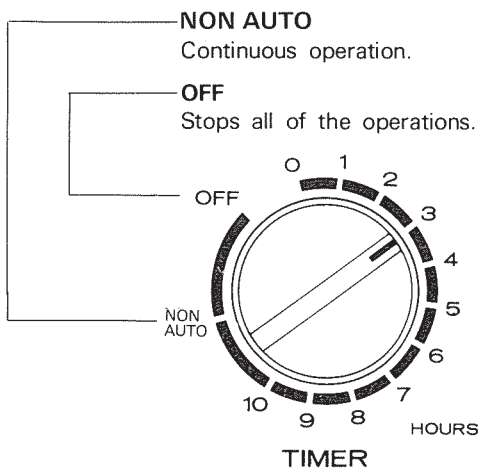
(7) TIMER operation

- The TIMER can be set to turn the air conditioner off at any time up to a maximum of ten hours. This is useful whenever you want to go to bed, the air conditioner will switch off automatically.

Example: If you want the air conditioner to turn off three hours later, simply set the knob to 3.

CAUTION

- When not using the time switch, set the knob to the NON AUTO position.
- To set the TIMER to less than 3, turn the knob to 3 first and then back to the desired position.



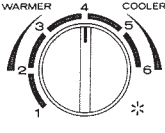
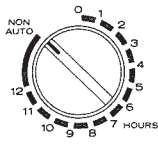
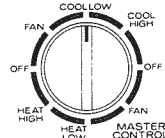
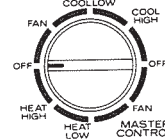
3-2 MWH-08GV type Operating procedure

Precautions: When turning on the unit

- Remove any objects blocking the air outlet and inlet preventing circulation of the air.
- Keep the end of the drain hose clear of gutters or containers. Ensure the end of the drain hose does not become immersed in water.

(1) Cooling

● How to set the CONTROLS

1	Set the THERMOSTAT as desired.	 <p>THERMOSTAT</p>
2	Set the TIMER at NON AUTO.	 <p>TIMER</p>
3	Set the MASTER CONTROL to COOL LOW or COOL HIGH as desired.	 <p>MASTER CONTROL</p>
STOP	Turn the MASTER CONTROL to OFF.	 <p>MASTER CONTROL</p>

CAUTION:

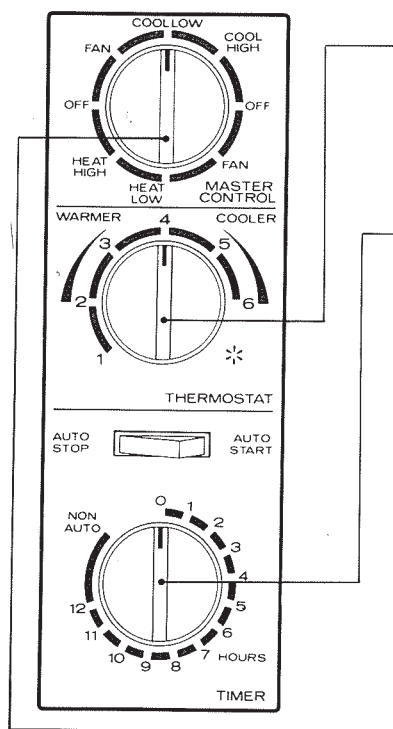
Do not use the unit with the THERMOSTAT set to mark * (Test run).

Mark * (Test run) is the position to set the THERMOSTAT for a test run when the room

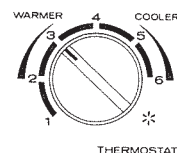
temperature is low. Operating the unit in this state for a prolonged time causes dew condensation on the main unit and may cause water drip.

(2) Heating

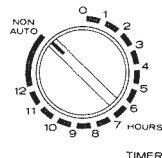
● How to set the CONTROLS



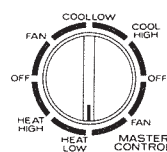
1 Set the THERMOSTAT as desired.



2 Set the TIMER at NON AUTO.

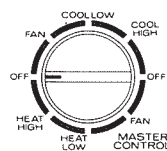


3 Set the MASTER CONTROL to HEAT LOW or HEAT HIGH as desired.



STOP

Turn the MASTER CONTROL to OFF.



AUTO-DEFROST

In the heating mode when ice forms on the outdoor unit (due to cold and/or humid conditions), the Air Conditioner will automatically switch to the defrost cycle. During this process, the fan will not operate but the compressor will run and melt the ice from the outdoor unit. At the completion of this cycle, the unit will automatically return to the normal heating cycle.

Relation between atmospheric temperature and heating capacity

As the outdoor temperature approaches 0°C, the efficiency of heat pump is reduced. Under these conditions it is suggested to switch the unit on earlier, raising the temperature slowly to the desired setting.

CAUTION:

Do not operate the unit with the THERMOSTAT set to mark * (test run) position.

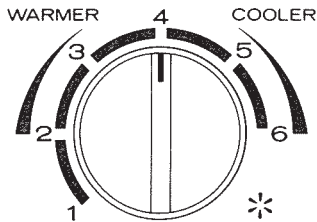
Setting the THERMOSTAT to mark * position will result in FAN operation and heating will not function.

(3) Adjusting the room temperature (THERMOSTAT)

The THERMOSTAT can be used to regulate the room temperature automatically. To adjust, refer to the figure below.

Cooling operation

Set the THERMOSTAT switch to '4' for normal cooling. For an increased cooling effect, set the switch to '5' or '6'.



THERMOSTAT

Heating operation

Set the THERMOSTAT to '3' for normal heating. For an increased heating effect, set to '1' or '2'.

CAUTION

Do not rotate the THERMOSTAT to '6' immediately after turning it to '1' during a cooling operation.

Do not rotate the THERMOSTAT to '1' immediately after turning it to '6' during a heating operation.

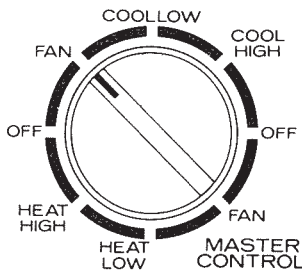
Always wait at least **3 minutes** before rotating the THERMOSTAT.

(4) FAN operation

- Fan operation circulates air in the room and removes dust in the air.

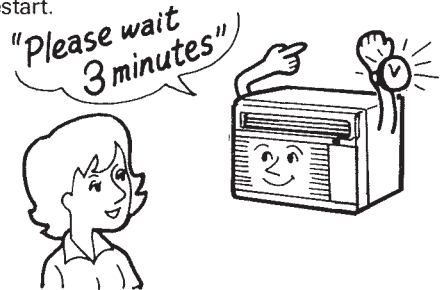
- **How to set the CONTROLS.**

Set the MASTER CONTROL to FAN.



CAUTION:

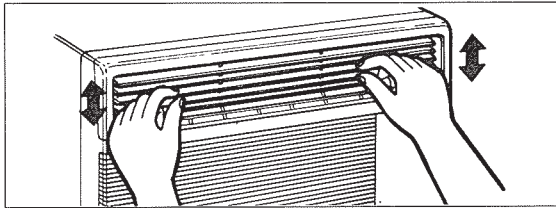
If you turn OFF the switch during cooling or heating, be sure to wait **3 minutes** or more to restart.



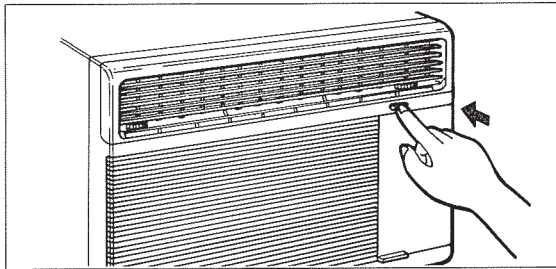
(5) Air flow direction adjustment

Vertical adjustment

Move the AIR OUTLET LOUVER in the directions indicated by the arrows and you will then be able to change the air flow direction.

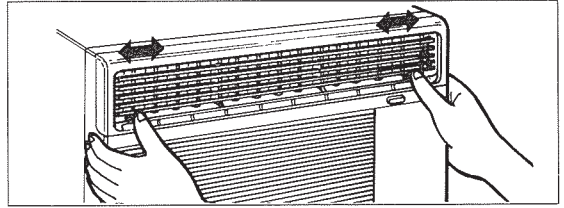


(6) Ventilation (EXHAUST AIR CONTROL)

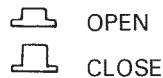


Horizontal adjustment

Move the DIRECTION knobs in the directions indicated by the arrows and you will then be able to change the air flow direction.



Set the EXHAUST AIR CONTROL lever to OPEN when the air in the room is dusty or full of cigarette smoke.



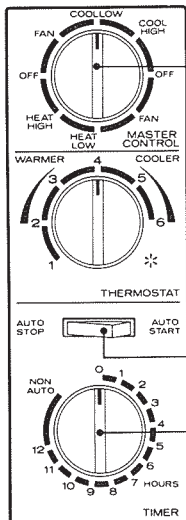
CAUTION

The cooling or heating effect will be impaired if you keep the EXHAUST AIR CONTROL lever at OPEN.

(7) TIMER operation

- Setting the TIMER enables automatic start/stop of the unit at a desired time within 12 hours.

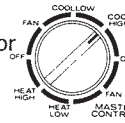
● How to set the CONTROLS



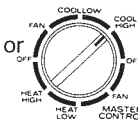
AUTO STOP — OFF after the set time AUTO START — ON after the set time

1

Set to COOL or HEAT

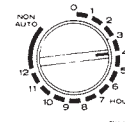


Set to COOL or HEAT

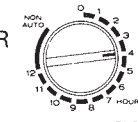


2

Set the TIMER to the desired position



Set the TIMER to the desired position



3

Set to AUTO STOP

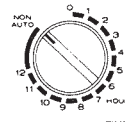


Set to AUTO START

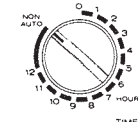


RELEASE

Set to NON AUTO.



Set to NON AUTO.



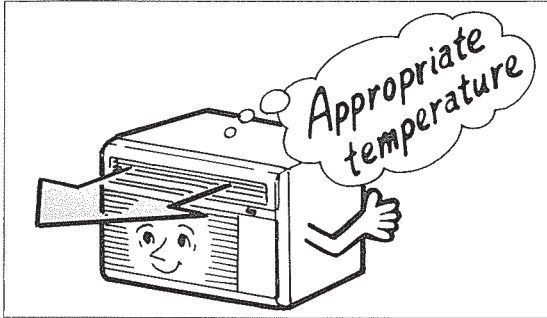
CAUTION

- When not using the time switch, set the knob to the NON AUTO position.
- To set the TIMER to less than 3, turn the knob to 3 first and then back to the desired position.

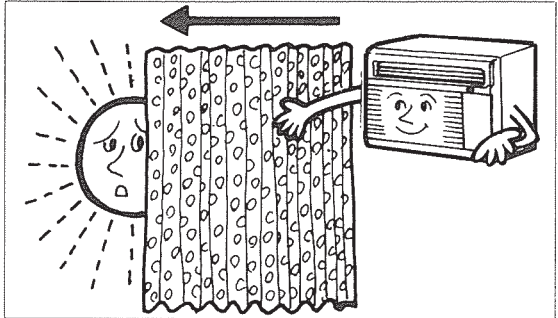
4. OPERATING HINTS

You can improve the air conditioning and cut down on the noise level and electricity charges by keeping these few hints in mind.

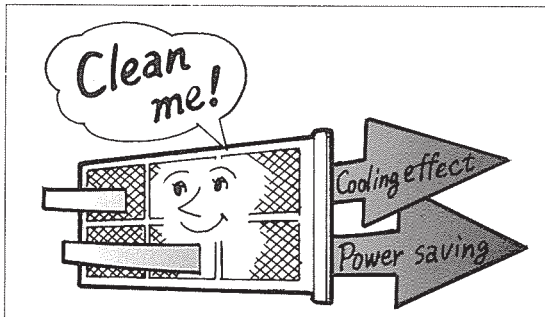
- Always keep the THERMOSTAT switch at an appropriate position. If it is set to produce an excessive air conditioning effect, the operating noise will be unnecessarily high and it will not be economical.



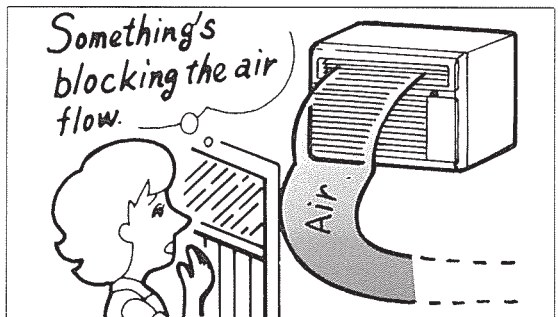
- Draw your curtains. If your room is directly exposed to the sun, the cooling efficiency of the air conditioner will be reduced. Always draw the curtains.



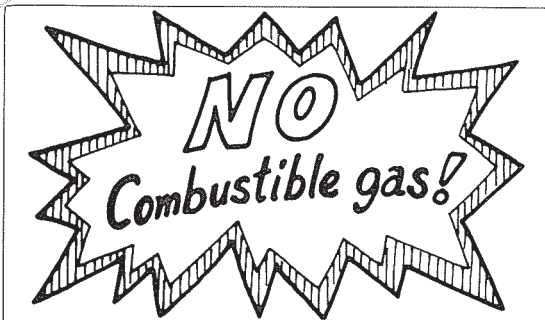
- ■ Don't neglect to clean the AIR FILTER. If the AIR FILTER becomes clogged, the air flow will decrease and the air conditioning effect will be impaired. Also, you will waste electricity. Therefore, make it a rule to clean the AIR FILTER at least once every two weeks.



- For smooth circulation of the air flow. If the AIR OUTLET LOUVER is obstructed in some way, you will not be able to achieve a uniform temperature distribution in your room. This is hardly efficient operation. Therefore, keep the AIR OUTLET LOUVER free of all objects.



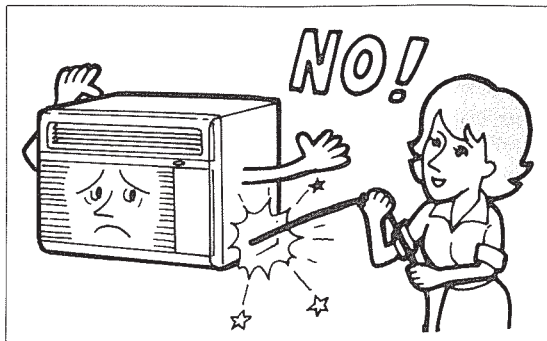
- Avoid using the air conditioner where there is the danger of leakage of combustible gas.



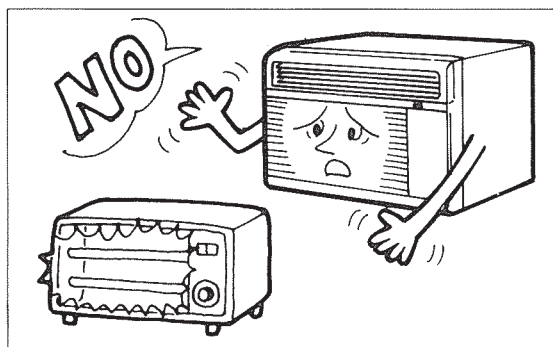
5. IMPORTANT NOTES

- Do not remain in the direct air flow from the air conditioner for a prolonged period.
- Disconnect the unit from the power source when not planning to use the air conditioner for a long period of time or when cleaning it.

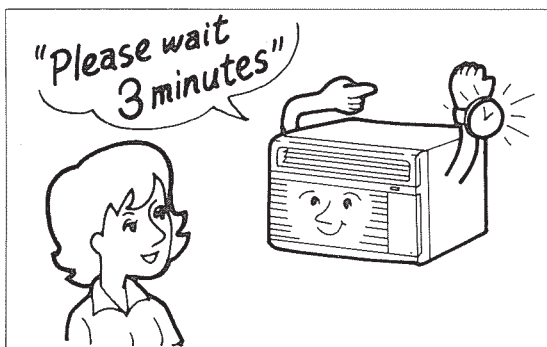
- Do not pull on the POWER CORD.



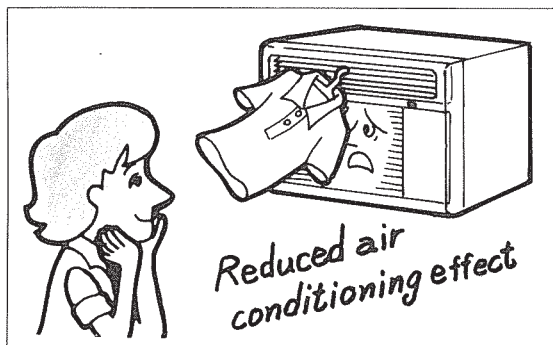
- Do not place heaters or other sources of high temperatures under or near the air conditioner. The heat may cause the AIR INLET GRILLE to deform.



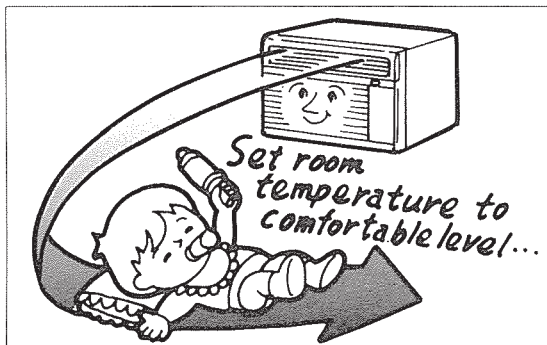
- Always wait at least **3 minutes** before switching the air conditioner on again after you have switched it off during cooling (or heating). (If you do not wait **3 minutes**, the fuse may blow or the circuit breaker may fail).



- Do not hang clothes or other objects near the air outlet as this will reduce the air conditioning effect and may result in malfunctions.



- Always make sure that the room temperature is set to a comfortable level when babies, small children, aged, disabled or invalids are in the same room as the air conditioner.



- Do not cut the POWER CORD to connect it with other cords in the middle or join them with an extension cord from the outlet. Incorrect connection may result in overheating and fire.

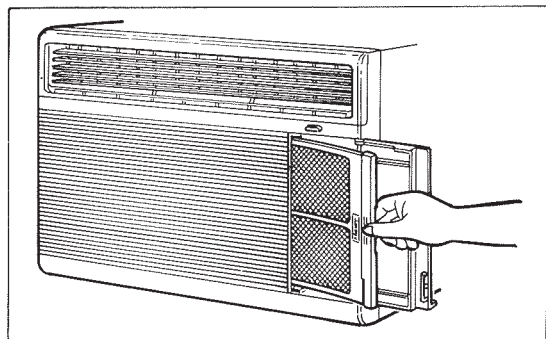
6. MAINTENANCE

During maintenance, be sure to disconnect the unit from the power source.

Cleaning the AIR FILTER

The air flow will decrease when dirt and dust accumulates in the AIR FILTER. This will in turn downgrade the air conditioning effect and drive up the electricity charges. Therefore, in the interest of saving money on your electricity bill, it is a good idea to clean the AIR FILTER about once every two weeks (more frequently when the air is very dirty or dusty).

Removing the AIR FILTER



- (1) Open the PANEL COVER.
- (2) The AIR FILTER can be easily removed by pulling the catch to the right.



- (3) Tap the AIR FILTER lightly or wash in order to remove the dust and dirt. If the AIR FILTER is very dirty, rinse in lukewarm water containing a little mild detergent or in plain water, and then wash in clean tap water. After removing all the dirt, dry well before replacing the AIR FILTER.

CAUTION

- Do not place the AIR FILTER in the sun.
- Do not wash in soapy or hot water.
- Do not place near a fire or other heat source.
- Handle gently.

Cleaning the FRONT PANEL

- From time to time clean the FRONT PANEL and remove any dirt and dust.
- To clean the FRONT PANEL, wipe with a dry cloth or wipe with a wet cloth and then wipe dry.

CAUTION

Do not spray water over the air conditioner, this may result in a breakdown. Do not spray the air conditioner directly with insecticides, etc.

CAUTION

Do not use gasoline, thinners, washing powder, chemical cleaning cloths or polish.



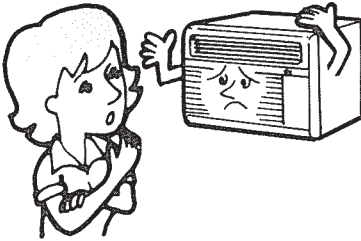
Cleaning

- When you have been using your air conditioner for about **four or five** years, the inside will have become quite dirty and the operating ability will have deteriorated. It is therefore recommended that your air conditioner be dis-assembled and cleaned in addition to the usual maintenance.
- Please consult with your local dealer.
- After about **five** years' use, the cord and wires sometimes need replacing. Check their condition by consulting your local dealer.

7. BEFORE CONTACTING THE SERVICEMAN

Check the following. You may find the solution to your problem and save yourself time and money.

NO OPERATION



☐ Check that the POWER CORD is plugged into the outlet.

☐ Check if the circuit breaker is tripped or fuse has blown.

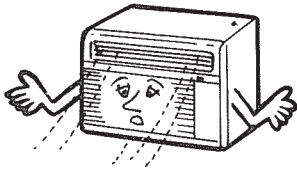
☐ Check if you have a power failure.

☐ Check if the TIMER is OFF.

No air flow
comes out.

☐ Check if the air conditioner is in the auto defrost cycle.

NO COOLING (OR HEATING)



☐ Is the THERMOSTAT setting wrong ?
(Cooling) Is the temperature setting higher than the room temperature ?
(Heating) Is the temperature setting lower than the room temperature ?

☐ Do you have direct sunlight coming into the room ? (Cooling)

☐ Is the switch set to FAN ?

☐ Do you have a window or door opened ?

☐ Do you have obstacles blocking the air outlet or inlet of the unit ?

☐ Is the EXHAUST AIR CONTROL lever opened ?

☐ Do you have too many heat source in the room ?
(cooling)

☐ Is the AIR FILTER clogged up ?

Unable to control the
room temperature.

☐ Is the unit set to test run ?

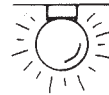
PROBLEMS WHICH DO NOT EFFECT OPERATION

☐ A cracking noise may be heard after starting or stopping of the cooling (or heating) cycle. This is due to the expansion/contraction of the front panel which occurs following changes in the temperature, but is not a functional problem.

☐ Odour from the air flow of the unit in the room.

Reset the circuit breaker or replace fuse.

Check by turning the lights ON.

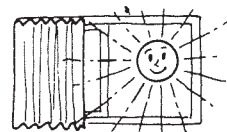


Set to NON AUTO.

Wait for a while.

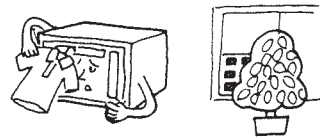
Reset the THERMOSTAT.

Draw curtains/blinds to shade from direct sunlight.

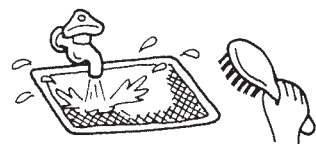


Close door, or windows.

Remove the obstacle.



Clean the AIR FILTER.



Reset the test run switch to normal operation and set the THERMOSTAT for desired room temperature.

It is not a functional problem but cleaning the AIR FILTER and front panel will help.

After-sales service

The air conditioner should perform satisfactorily as long as the correct operational procedures are followed.

However, should a problem arise, unplug the POWER CORD from the outlet and contact your local dealer.

NOTE



