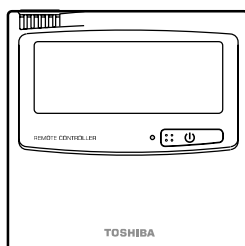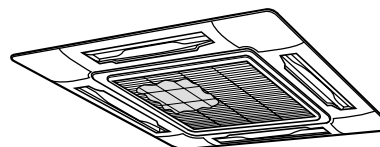# ACCESSORIES (SOLD SEPARATELY)

| Remote controller	Standard 4-way cassette panel optional parts

PRECAUTIONS FOR SAFETY

WARNING ⚠

WARNINGS ABOUT INSTALLATION

• Make sure to ask the qualified installation professional in electric work to install the air conditioner.
  If the air conditioner is inappropriate installed by yourself, it may cause water leak, electric shock, fire, and so on.

• Be sure to provide grounding.
  Do not connect ground wires to gas pipes, water pipes, lightning rods or ground wires for telephone cables.

CAUTION

TO DISCONNECT THE APPLIANCE FROM THE MAINS SUPPLY

This appliance must be connected to the mains by means of a switch with a contact separation of at least 3 mm.
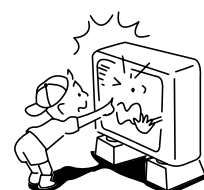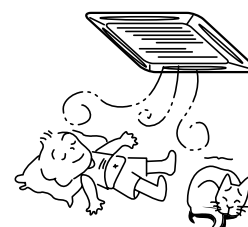
The installation fuse (25A D type ⊶▭) must be used for the power supply line of this conditioner.

WARNINGS ABOUR OPERATION

• Cleaning of the air filter and other parts of the air filter involves dangerous work in high places, so be sure to have a service person do it. Do not attempt it yourself. The cleaning diagram for the air filter is there for the service person, and not for the customer.

• Avoid cooling the room too strong or exposing the human body to cool breeze for a long time as it is bad for the health.

• When you notice something abnormal with the air conditioner (smells like something scorching, poor cooling, etc.), immediately turn off the main switch, the circuit breaker, from the mains to stop the air conditioner, and contact the dealer.
  If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.

WARNINGS ABOUT MOVEMENT AND REPAIR

• Do not move or repair any unit by yourself.
  Since there is high voltage inside the unit, you may get electric shock when removing the cover and main unit.

• Whenever the air conditioner needs repair, make sure to ask the dealer to do it.
  If it is repaired imperfectly, it may cause electric shock or fire.

• When moving the air conditioner for re-installing at another place, ask the dealer to do it. If it is imperfectly installed, it may cause electric shock or fire.

CAUTION

CAUTIONS ABOUT INSTALLATION

- Be sure to confirm the following cautions.
- Certainly lay the drain hose for perfect draining.
  Bad drainage may cause flooding in the house and getting furniture wet.
- Make sure to connect the air conditioner to an exclusive power supply of the rated voltage, otherwise the unit may break down or cause a fire.
- Do not install the unit in a place where inflammable gas may leak.
  If inflammable gas accumulates around the unit, it may cause a fire.

CAUTIONS ABOUT OPERATION

- Carefully read this manual before starting the air conditioner.
  There are many important things to keep in mind for daily operation.
- Do not use this air conditioner for special purpose such as preserving food, precision instruments, art objects, breeding animals, growing potted plants, etc.
- Avoid exposing potted plants and animals to the wind of the air conditioner, since it badly affects the health and growth of them.
- When the air conditioner is operated with a combustion appliance in the same place, be careful of ventilation to let fresh air enter the room.
  Poor ventilation causes oxygen shortage.
- Do not place any combustion appliance in a place where it is directly exposed to the wind of air conditioner, otherwise it may cause imperfect combustion.
- When the air conditioner is used in a closed room, be careful of sufficient ventilation of the room. Poor ventilation causes oxygen shortage.
- Do not touch any switches with wet finger, otherwise you may get an electric shock.
- If the air conditioner won't be used for a considerably long time, turn off the main switch or the circuit breaker, for safety.
- Check the concrete blocks, etc. of the base of the outdoor unit occasionally.
  If the base is left damaged or deteriorated, the unit may topple over and inflict an injury to a person as the worst case.
- Do not put anything on the outdoor unit nor step onto it. If you do so, it may not only topple over the unit but also injure yourself.
- To make the air conditioner operate in its original performance, operate it within the range of the operating temperature specified in the instructions.
  Otherwise it may cause a malfunction, or water leak from the unit.
- Prevent any liquid from falling into the remote controller. Do not spill juice, water or any kind of liquid.
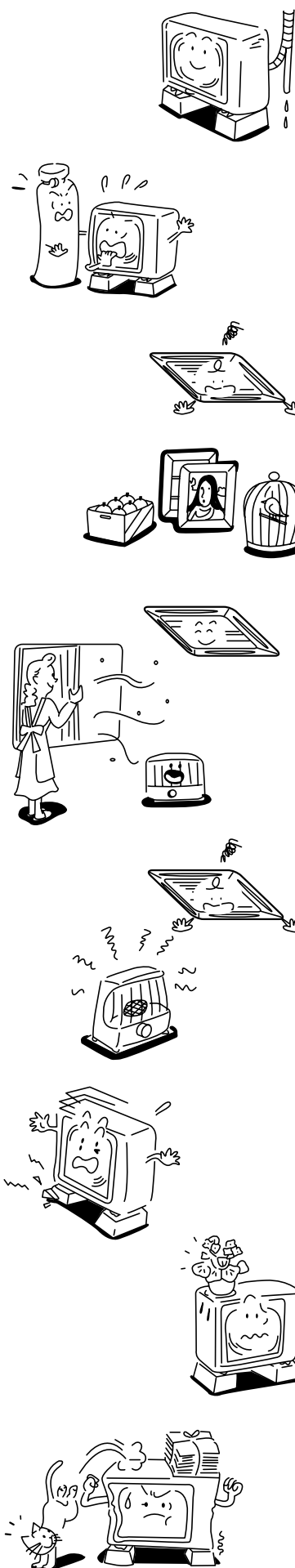
PARTS NAME

Indoor unit

Button

Button to open/close the suction port

Earth screw

Provided in the electric parts box

Air filter

Removes dust or trash. (Provided on the suction port.)

Discharge flap of discharge port

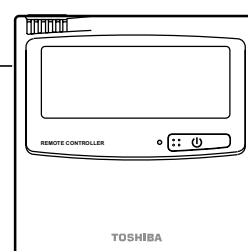Change the direction of the air to be discharged according to cool/heat mode.

Suction air port

The air in the room is sucked in from this port.

Projection of air filter

Remote controller
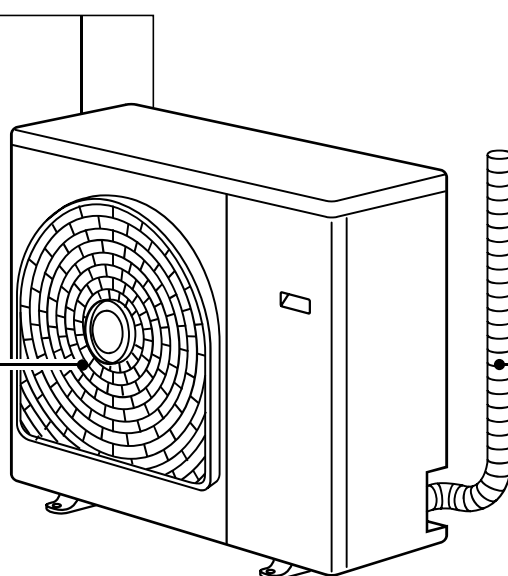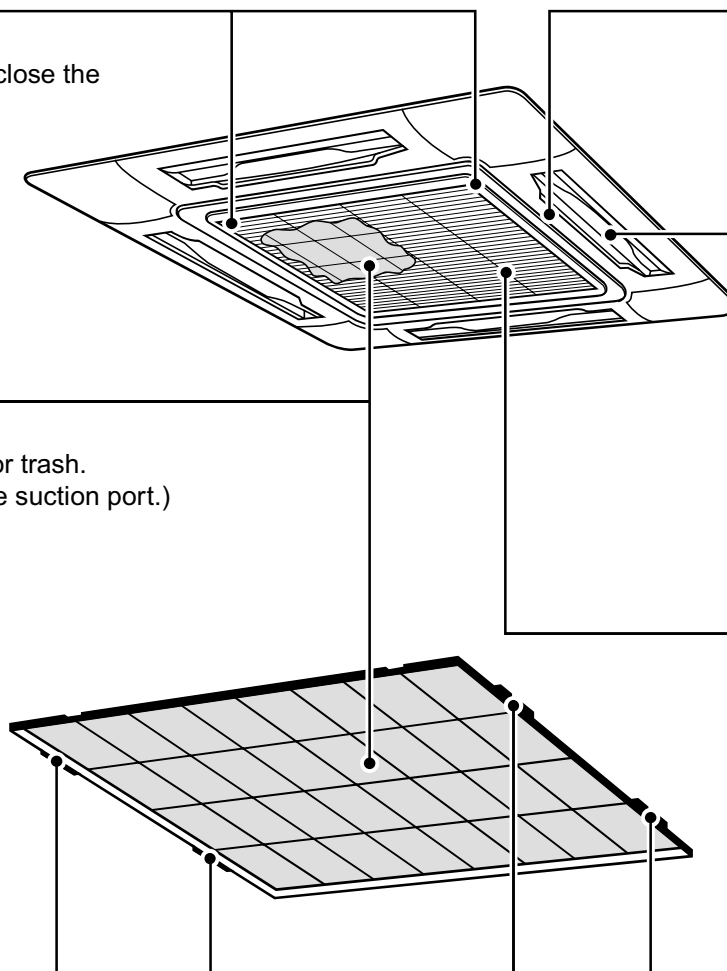
Outdoor unit

Air inlet (Side and rear)

Air outlet

Pipes and electric wires

TOSHIBA

REMOTE CONTROLLER

PARTS NAME OF REMOTE CONTROLLER

Display section

In the display example, all indicators are displayed for the explanation.

In reality only, the selected contents are indicated.

- When turning on the leak breaker at the first time, **[SET DATA]** flashes on the display part of the remote controller. While this display is flashing, the model is being automatically confirmed. Accordingly, wait for a while after **[SET DATA]** display has disappeared, and then use the remote controller.
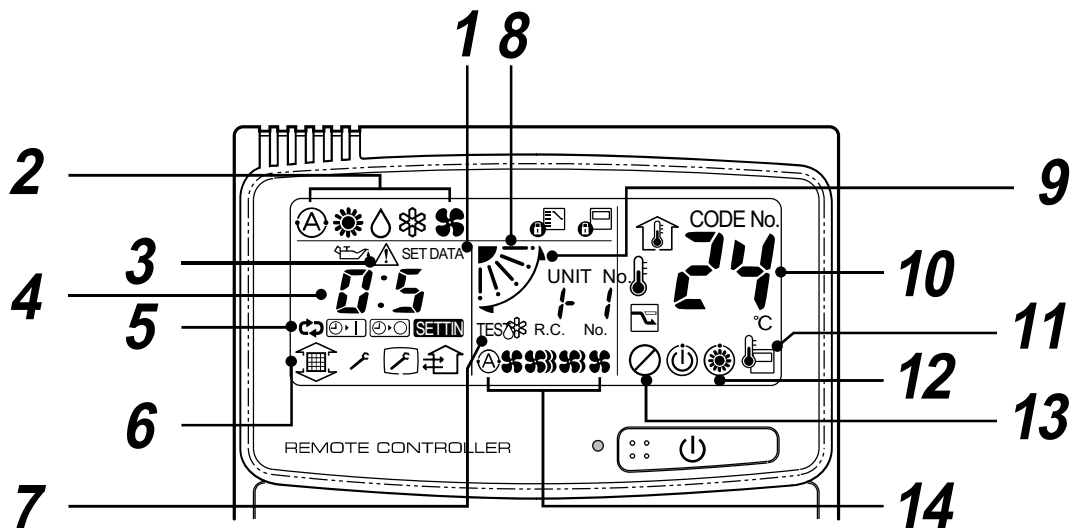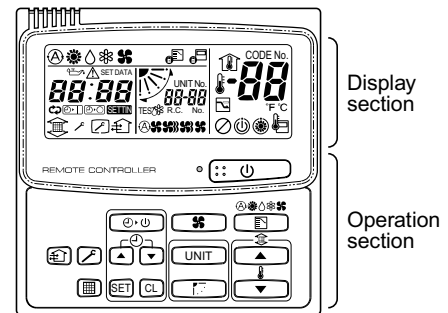
1 SET DATA display
Displayed during setup of the timer.

2 Operation mode select display
The selected operation mode is displayed.

3 CHECK display
Displayed while the protective device works or a trouble occurs.

4 Timer time display
Time of the timer is displayed.
(When a trouble occurs, the check code is displayed.)

5 Timer SETIN setup display
When pushing the Timer SETIN button, the display of the timer is selected in order of [OFF]
⏲ → ↻ [OFF] repeat OFF timer → [ON]
⏲ → No display.

6 Filter display
If "FILTER ▦" is displayed, clean the air filter.

7 TEST run display
Displayed during a test run.

8 Flap position display
Displays flap position.

9 SWING display
Displayed during up/down movement of the flap.

10 Set up temperature display
The selected set up temp. is displayed.

11 Remote controller sensor display
Displayed while the sensor of the remote controller is used.

12 PRE-HEAT display
Displayed when the heating operation starts or defrost operation is carried out.
While this indication is displayed, the indoor fan stops or the mode enters in LOW.

13 No function display
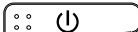Displayed if there is no function even if the button is pushed.
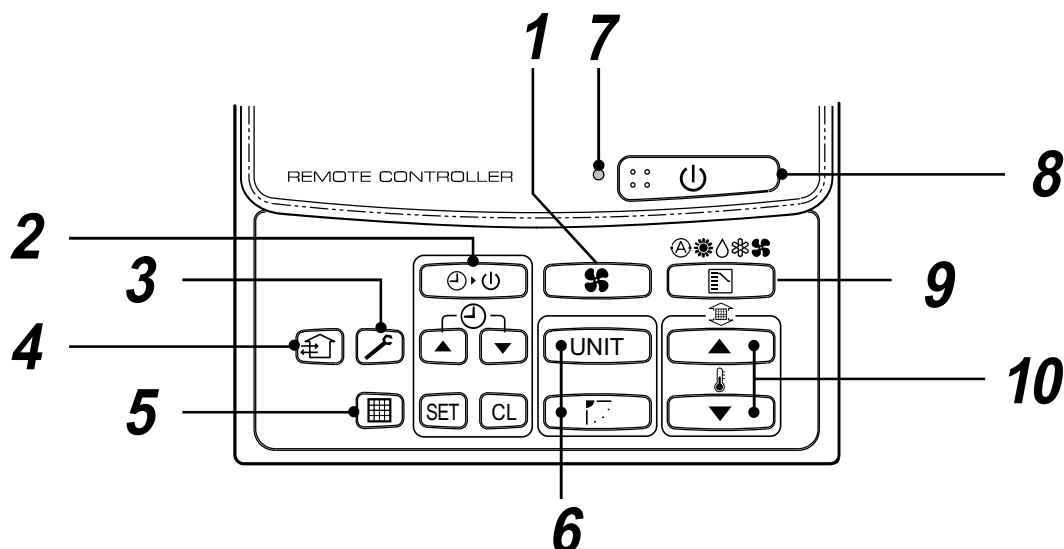
14 Air volume select display
The selected air volume mode is displayed.

(AUTO)	Ⓐ🌀
(HIGH)	🌀
(MED.)	🌀
(LOW)	🌀

18

Operation section

Push each button to select a desired operation.

- The details of the operation needs to be set up once, afterward, the air conditioner can be used by pushing [∷ ⏻] button only.

1 Air volume select button
Selects the desired air volume mode.

2 Timer set button
TIMER SET button is used when the timer is set up.

3 Check button
The CHECK button is used for the check operation. During normal operation, do not use this button.

4 Fan button
FAN button is used when a fan which is sold on the market or etc. is connected.

- If "No function" is displayed on the remote controller when pushing the FAN button, a fan is not connected.

5 Filter reset button
Resets (Erases) "FILTER [⊞]" display.

6 UNIT and AUTO flap button
[UNIT] (No function)

[⨳]

7 Operation lamp
Lamp is lit during the operation. Lamp is off when stopped.

Although it flashes when operating the protection device or abnormal time.

8 [∷ ⏻] button
When the button is pushed, the operation starts, and it stops by pushing the button again.

When the operation has stopped, the operation lamp and all the displays disappear.

9 Operation select button
Selects desired operation mode.

10 Set up temperature button
Adjusts the room temperature.

Set the desired set temperature by pushing [▲] or [▼] .
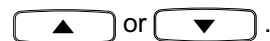
OPTION :
Remote controller sensor

Usually the TEMP. sensor of the indoor unit senses the temperature. The temperature on the surrounding of the remote controller can also be sensed. For details, contact the dealer from which you have purchased the air conditioner.
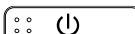
CORRECT USAGE

When you use the air conditioner for the first time or when you change the SET DATA value, follow the procedure below. From the next time, the operation displayed on the remote controller will start by pushing the [:: (!)] button only.

Preparation

Turn on the main power switch and/or the leakage breaker.

• When the power supply is turned on, a partition line is displayed on the display part of the remote controller.

∗ After the power supply is turned on, the remote controller does not accept an operation for approx. 1 minute, but it is not a failure.

REQUIREMENT

• While using the air conditioner, operate it only with [:: (!)] button without turning off the main power switch and the leak breaker.
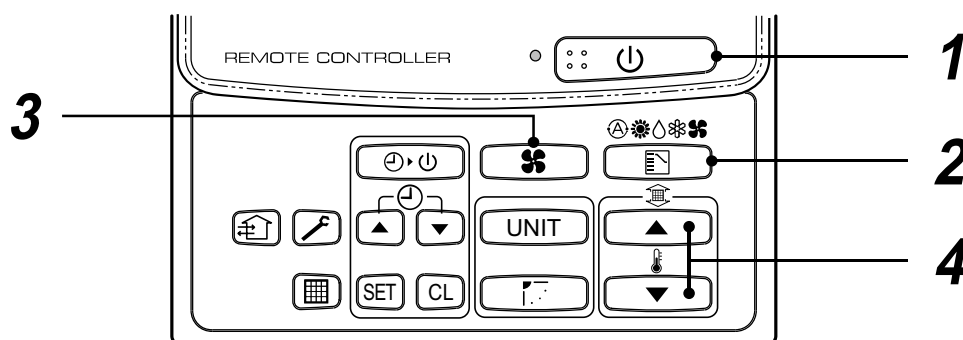
1 Push [:: (!)] button.
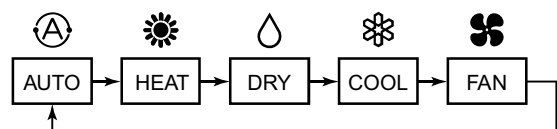
The operation lamp goes on, and the operation starts.

2 Select an operation mode with the "MODE" button.

One push of the button, and the display changes in the order shown on the right.

AUTO → HEAT → DRY → COOL → FAN

• In HEAT ☀ mode, if the room temperature reaches to the set temperature, the outdoor unit stops and the air flow becomes LOW and the air volume decreases.

• In the defrost mode, the fan stops so that cool air is not discharged and PRE-DEF (☀) is displayed.

3 Select air volume with "FAN ❄" button.
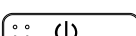
One push of the button, and the display changes in the order shown on the right.

Ⓐ❄ AUTO → ❄ HIGH → ❄ MED. → ❄ LOW
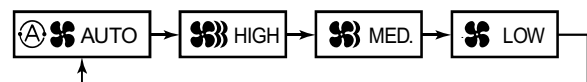
• When air volume is "AUTO Ⓐ❄", air volume differs according to the room temperature.

• In DRY ◊ mode, "AUTO Ⓐ❄" is displayed and the air volume is LOW.

• In heating operation, if the room temperature is not heated sufficiently with VOLUME "LOW ❄" operation, select "MED. ❄" or "HIGH ❄" operation.

4 Determine the set up temperature by pushing the "TEMP. ▲" or "TEMP. ▼" button.

Stop

Push [:: (!)] button.

The operation lamp goes off, and the operation stops.

AUTOMATIC OPERATION (Auto Changeover)

When you set the air conditioner in Ⓐ mode or switch over from AUTO operation because of some settings change, it will automatically select either cooling, heating, or fan only operation depending on the indoor temperature.
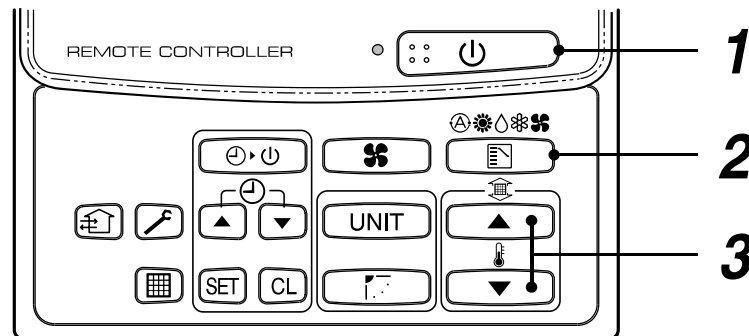
Start

1 ⬚ ⏻ **button**

Push this button to start the air conditioner.

2 **Mode select button (MODE)**

Select Auto.

3 **Temperature button**

Set the desired temperature.

- In case of cooling, start the operation after approx. 1 minute.
- In case of heating, the operation mode is selected in accordance with the room temperature and operation starts after approximately 3 to 5 minutes.
- When you select the Auto mode, it is unnecessary to set the fan speed. The FAN speed display will show AUTO and the fan speed will be automatically controlled.
- After the heating operation has stopped, FAN operation may continue for approx. 30 seconds.
- When the room temperature reaches the set temperature and the outdoor unit stops, the supper low wind is discharged and the air volume decreases excessively. During defrost operation, the fan stops so that cool air is not discharged and "HEAT READY" is displayed.
- If the Auto mode is uncomfortable, you can select the desired conditions manually.

> **NOTE**
>
> **When restarting the operation after stop**
> - When restarting the operation immediately after stop, the air conditioner does not operate for approx. 3 minutes to protect the machine.

Stop

Push ⬚ ⏻ **button.**

Push this button again to stop the air conditioner.

ADJUSTMENT OF WIND DIRECTIONd

- When the air conditioner stops, the flap (adjustment plate of up/down wind direction) directs downward automatically.
- When the heating operation is in READY states, the flap (adjustment plate of up/down wind direction) directs upward. The swinging starts after HEAT READY status cleared, SWING is displayed on the remote controller even if the heating operation is in READY status.

How to set up the wind direction

1 **Push ⬚ during operation.**

The wind direction changes for every push of the button.

In HEAT operation
Direct the flap (adjustment plate of up/down wind direction) downward. If directing at upward, hot air may not come to the foot.

Initial setup
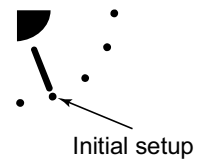
In COOL/DRY operation
Direct the flap (adjustment plate of up/down wind direction) upward. If directing it downward, the dew may from on the surface of the air discharge port and may drop down.

Initial setup
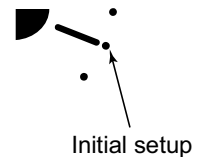
How to start swinging

1 **Push ⬚, set the flap (adjustment plate of up/down wind direction) direction to the lowest position, and then push ⬚ again.**

SWING is displayed and the up/down wind direction is automatically selected.

REMOTE CONTROLLER

UNIT
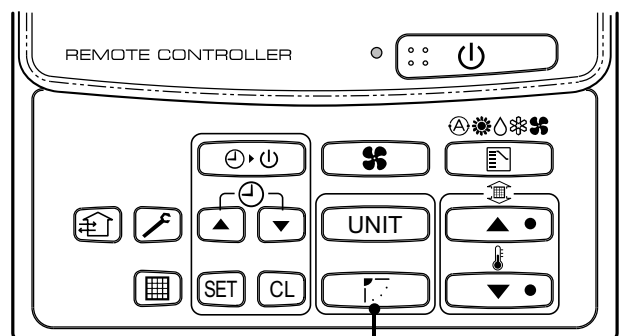
How to stop swinging

1 **Push SWING/WIND again while the flap is swinging.**

- The flap stops at a position when you push. After then, if pushing ⬚, the wind direction descends from the highest position.
- In COOL/DRY operation, the flap does not stop as it directs downward. If stopping the flap as it directs downward during swing operation, it stops after moving to the 3rd position from the highest position.

In FAN operation

Initial setup

In all modes

Series of operation
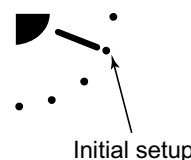
Display when stopping the swing

Fan/Heat operation

Cool/Dry operation
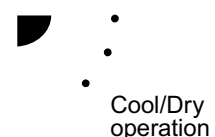
TIMER OPERATION

A type of timer operation can be selected from the following three types.

OFF timer : The operation stops when the time of timer has reached the set time.

Repeat OFF timer : Every time, the operation stops after the set time has passed.

ON timer : The operation starts when the time of timer has reached the set time.

Timer operation
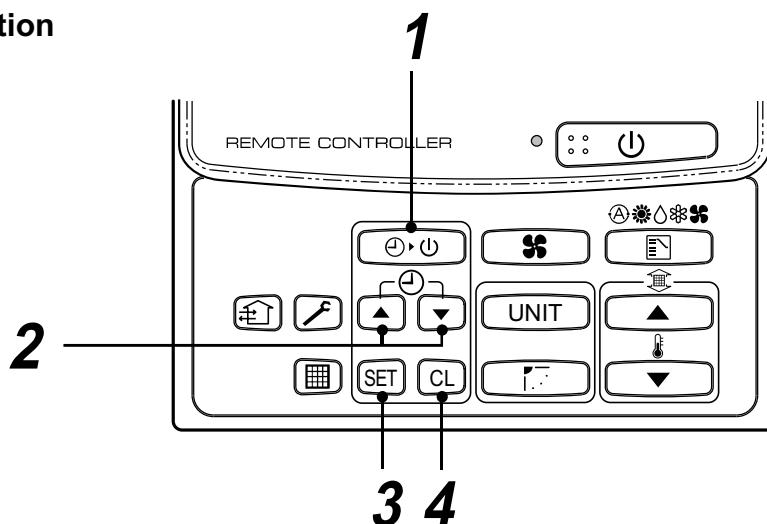
1 Push TIMER SET button.

- The timer display (type) changes for every push of the button.

- SET DATA and ⏱▸◯ display flashes.
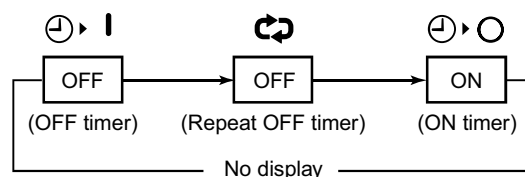
2 Push ⏱▲ ▼ to select "SET TIME".

For every push of ▲ button, the set time increases in the unit of 0.5 hr (30 minutes).
The maximum set time is 72.0 hr.
For every push of ▼ button, the set time decreases in the unit of 0.5 hr (30 minutes).
The minimum set time is 0.5 hr.

3 Push SET button.

- SET DATA display disappears and ⏱▸◯ display goes on.

(When ON timer is activated, time is displayed, and after time of the timer has been up, displays other than ON disappear.)

Cancel of timer operation

4 Push CL button.

- TIMER display disappears.

NOTICE

- When the operation stops after the timer reached the preset time, the Repeat OFF timer resumes the operation by pushing [⏻] button and stops the operation after the time of the timer has reached the set time.

HINTS FOR ECONOMICAL OPERATION

Maintain room temperature at comfortable level
Clean air filters

The clogged air filter impairs the performance of the air conditioner.

Never open doors and windows more often than necessary

To keep cool or warm air in the room, never open doors and windows more often than necessary.

Window curtains

In cooling, close the curtains to avoid direct sunlight.
In heating, close the curtains to keep the heat in.

Get uniform circulation of room air

Adjust the air flow direction for the even circulation of room air.

Gee, chilly
Control

Clean, please.

Please close

Blows upward
Cool and dry air
Air flow adjustment
Warm air
Blows downward
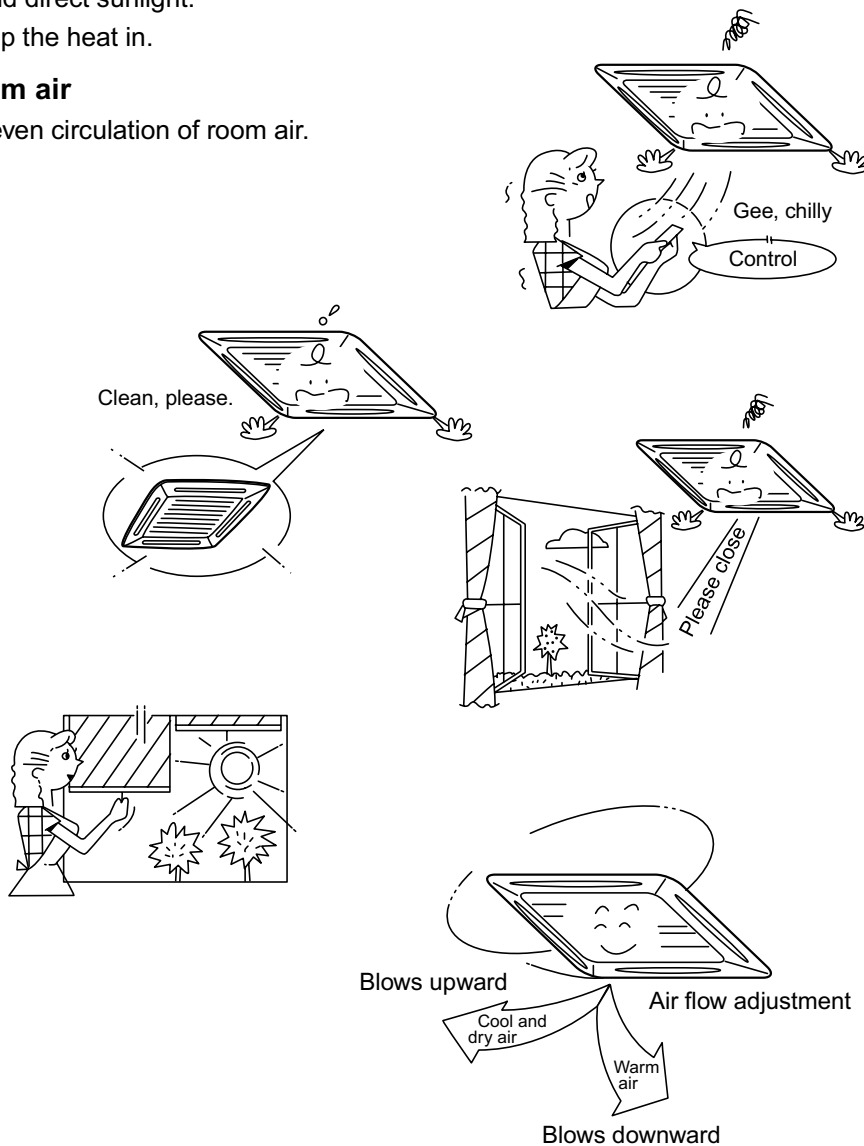
MAINTENANCE

Cleaning of remote controller

CAUTION

- Use a dry cloth to wipe the remote controller.
- A cloth dampened with cold water may be used on the indoor unit if it is very dirty.
- Never use a damp cloth on the remote controller.
- Do not use a chemically-treated duster for wiping or leave such materials on the unit for long. It may damage or fade the surface of the unit.
- Do not use benzine, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.
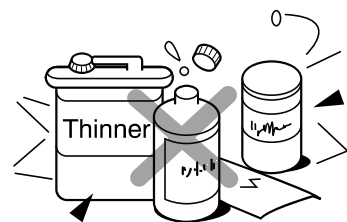
If you do not plan to use the unit for more than 1 month

(1) Operate the fan for 3 to 4 hours to dry inside the unit
   - Operate "FAN ONLY" mode with set temperature 30°C.
(2) Stop the air conditioner and turn off the main power switch or the circuit breaker.

Checks before operation

(1) Check that the air filters are installed.
(2) Check that the air outlet or inlet is not blocked.
(3) Turn on the main power switch or the circuit breaker for the mains AC outlet to turn on the air conditioner.

FAN ONLY operation or thermo.-off operation

WARNING

Cleaning of the air filter and other parts of the air filter involves dangerous work in high places, so be sure to have a service person do it.

Do not attempt it yourself.

NOTE

For Air conditioning system which is operated regularly, cleaning and maintenance of the indoor/outdoor units are strongly recommended.

As a general rule, if an indoor unit is operated for about 8 hours daily, the indoor/outdoor units will need to be cleaned at least once every 3-MONTH. This cleaning and maintenance shall be carried out by a qualified person.

Failure to clean the indoor/outdoor units regularly will result in poor performance, icing, water leaking and even compressor failure.

AIR CONDITIONER OPERATIONS AND PERFORMANCE

3 minutes protection function

3-minutes protection function prevents the air conditioner from starting for initial 3 minutes after the main power switch/circuit breaker is turned on for re-starting the air conditioner.

Power failure

Power failure during operation will stop the unit completely.

• To restart the operation, push the START/STOP button on the remote controller.
• Lightning or a wireless car telephone operating nearby may cause the unit to malfunction. Turn off the main power switch or circuit breaker and then turn them on again. Push the START/STOP button on the remote controller to restart.

Heating characteristics
Preheating operation

The air conditioner will not deliver warm air immediately after it is turned on. Warm air will start to flow out after approximately 5 minutes when the indoor heat exchanger warmed up.

Warm air control (In heating operation)

When the room temperature reaches the set temperature, the fan speed is automatically reduced to prevent to blow cold draft. At this time, the outdoor unit will stop.

Defrosting operation

If the outdoor unit is frosted during the heating operation, defrosting starts automatically (for approximately 2 to 10 minutes) to maintain the heating capacity.

• The fans in both indoor and outdoor units will stop during the defrosting operation.
• During the defrosting operation, the defrosted water will be drained from the bottom plate of the outdoor unit.

Heating capacity

In the heating operation, the heat is absorbed from the outside and brought into the room. This way of heating is called heat pump system. When the outside temperature is too low, it is recommended to use another heating apparatus in combination with the air conditioner.

Attention to snowfall and freeze on the outdoor unit

• In snowy areas, the air inlet and air outlet of the outdoor unit are often covered with snow or frozen up. If snow or freeze on the outdoor unit is left as it is, it may cause machine failure or poor warming.
• In cold areas, pay attention to the drain hose so that it perfectly drains water without water remaining inside for freeze prevention. If water freezes in the drain hose or inside the outdoor unit, it may cause machine failure or poor warming.

Air conditioner operating conditions

For proper performance, operate the air conditioner under the following temperature conditions:

Cooling operation	Outdoor temperature	: –5°C to 43°C
	Room temperature	: 21°C to 32°C (Dry valve temp.), 15°C to 24°C (Wet valve temp.)
	CAUTION	Room relative humidity – less than 80 %. If the air conditioner operates in excess of this figure, the surface of the air conditioner may cause dewing.
Dry operation	Outdoor temperature	: 15°C to 43°C (Maximum suction air temp. 46°C)
	Room temperature	: 17°C to 32°C
Heating operation	Outdoor temperature	: –15°C to 15°C (Wet valve temp.)
	Room temperature	: 15°C to 28°C (Dry valve temp.)

If air conditioner is used outside of the above conditions, safety protection may work.

RE-INSTALLATION

DANGER

Ask the dealer or an installation professional to re-install the air conditioner to a new place or move it to another place and to observe the following items.

If the air conditioner is inappropriate installed by yourself, it may cause electric shock or fire.

Do not install the air conditioner in the following places

- Do not install the air conditioner in any place within 1 m from a TV, stereo, or radio set. If the unit is installed in such place, noise transmitted from the air conditioner affects the operation of these appliances.
- Do not install the air conditioner near a high frequency appliance (sewing machine or massager for business use, etc.), otherwise the air conditioner may malfunction.
- Do not install the air conditioner in a humid or oily place, or in a place where steam, soot, or corrosive gas is generated.
- Do not install the air conditioner in a salty place such as seaside area.
- Do not install the air conditioner in a place where a great deal of machine oil is used.
- Do not install the air conditioner in a place where it is usually exposed to strong wind such as in seaside area or on the roof or upper floor of a building.
- Do not install the air conditioner in a place where sulfureous gas generated such as in a spa.
- Do not install the air conditioner in a vessel or mobile crane.

Be careful with noise or vibrations

- Do not install the air conditioner in a place where noise by outdoor unit or hot air from its air outlet annoys your neighbors.
- Install the air conditioner on a solid and stable foundation so that it prevents transmission of resonating, operation noise and vibration.
- If one indoor unit is operating, some sound may be audible from other indoor units that are not operating.

TROUBLES AND CAUSES

CAUTION

If any of the following conditions occur, turn off the main power supply switch and immediately contact the dealer :

- The operation lamps flash at short intervals (5 Hz) even though you have tried turning off the power supply and turning on again after 2 or 3 minutes.
- Switch operation does not work properly.
- The main power fuse often blows out, or the circuit breaker is often activated.
- A foreign matter or water fall inside the air conditioner.
- Any other unusual conditions are observed.

Before you ask for servicing or repairs, check the following points.

Inoperative

- The main power switch is turned off.

- The circuit breaker is activated to cut off power supply.

- The main power fuse has blown out.

- Stoppage of electric current.

Does not cool well or heat well

- The air inlet and/or outlet of the outdoor unit is blocked.

- Doors or windows are opened.

- The fan speed is set to low.

- The air conditioner is set in the DRY mode.

- The set temperature is too high. (In cooling operation)

- The set temperature is too low. (In heating operation)

These are not failures.

Indoor unit or outdoor unit makes a strange noise.

- When the temperature suddenly changes, the indoor or outdoor unit occasionally makes a strange noise because of expansion/contraction of parts or change of refrigerant flow.

The room air is smelly or a bad odor comes from the air conditioner.

- Smells impregnated in the walls, carpets, furniture, clothing, or furs, come out.

Outdoor unit is frosted in heating operation.
Water drains from outdoor unit.

- The outdoor unit is sometimes frosted in heating operation.

  In that case, the unit automatically performs defrosting (for 2 to 10 minutes) for increasing the heating efficiency.

- In defrosting operation, both the indoor and outdoor units stop air flow.

- Hiss sound is heard when flow of the refrigerant is changed for defrosting.

- Resultant water of automatic defrosting in heating operation drains from outdoor unit.

Air flow changes though the FAN button is not set to the AUTO mode.

- When the temperature of blown air drops in heating operation, the air conditioner automatically changes or stops air flow from the indoor unit not to make persons in the room feel chilly.

- Air flow from the indoor unit is occasionally changed in the cooling operation.

A white mist of chilled air or water is generated from the outdoor unit.

- The indoor unit in cooling operation or the outdoor unit in defrosting operation occasionally steams.
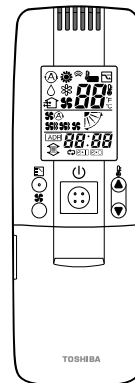
OWNER'S MANUAL

REMOTE CONTROLLER FOR AIR CONDITIONER (SPLIT TYPE)

<Wireless Type>

TCB-AX21U (W)-E

Thank you very much for purchasing TOSHIBA Remote Controller for Air Conditioner.

Please read this owner's manual carefully before using your Remote Controller for Air Conditioner.

• Be sure to obtain the "Owner's manual" and "Installation manual" from constructor (or dealer).

Request to constructor or dealer

Please clearly explain the contents of the Owner's manual and hand over it.

CONTENTS

ACCESSORIES

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PRECAUTIONS FOR SAFETY

WARNING ⚠

WARNINGS ABOUT INSTALLATION

• Make sure to ask the qualified installation professional in electric work to install the remote controller.
If the remote controller is inappropriate installed by yourself, it may cause, electric shock, fire, and so on.

WARNINGS ABOUT OPERATION

• When you are aware of something abnormal with the air conditioner (smells like something etc.), immediately turn off the main power supply switch or circuit breaker, from the mains to stop the air conditioner, and make contact with the dealer. If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.
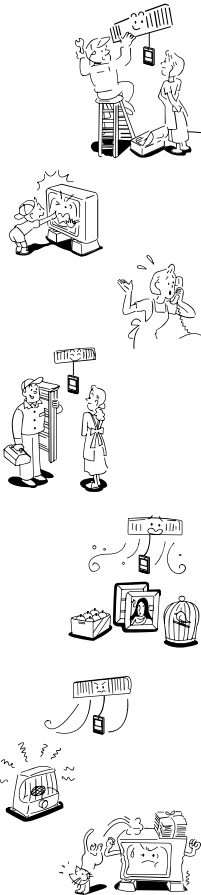
WARNINGS ABOUT MOVEMENT AND REPAIR

• Do not repair any unit by yourself.
• Whenever the air conditioner needs repair, make sure to ask the dealer to do it. If it is repaired imperfectly, it may cause electric shock or fire.

CAUTION
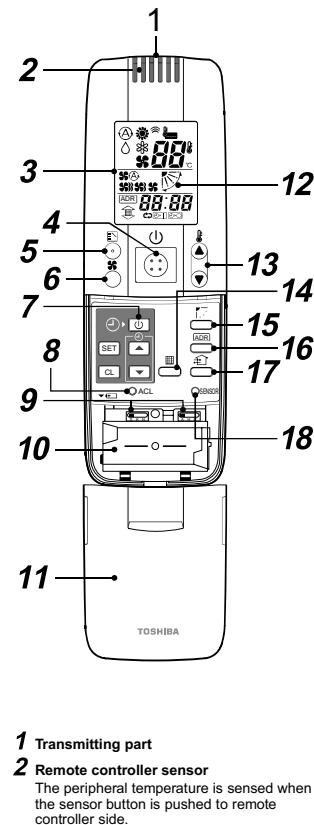
CAUTIONS ABOUT OPERATION

• Carefully read this manual before starting the air conditioner. There are many important things for the safety and the correct usage.
• Do not touch any switches with wet finger, otherwise you may get an electric shock.
• When the air conditioner was not be used for a considerably long time, turn off the main switch or the circuit breaker, for safety. Disconnect from the power supply prevents the unit from lightning and power supply surge.
• Prevent any liquid from falling into the remote controller. Do not spill juice, water or any kind of liquid.

ACCESSORIES

NAME AND OPERATION

Remote Controller

• Max. 8 indoor units can be operated by a remote controller as a group.

1 Transmitting part

2 Remote controller sensor
The peripheral temperature is sensed when the sensor button is pushed to remote controller side.

3 Mode display section
The operation mode is displayed.

4 Start/Stop button
Pushing this button starts, and pushing again stops the unit.

5 Mode Select button
Pushing this button selects an operation mode.

6 Air volume button

7 Time Setup button
This button is used when the timer is setup.

8 Reset button
This button is used after replacement of battery or selection of slide switch.

9 Slide switch

10 Part storing batteries

11 Cover
Slide the cover holding its both sides.

12 AUTO flap display differs according to the installed unit.

13 Setup Temp. button
Every pushing this button, temperature rises by 1˚C.
Every pushing this button, temperature lowers by 1˚C.

14 Filter button
The remote controller is not operated even if this switch is pushed.

15 Swing/Air direction button

16 Address button

17 Ventilation button
The remote controller is not operated even if this switch is pushed.

18 Sensor button
This button is used when selecting the temp. sensor at the remote controller side. At the shipment from the factory, this button is set to the temp. sensor at the indoor unit.
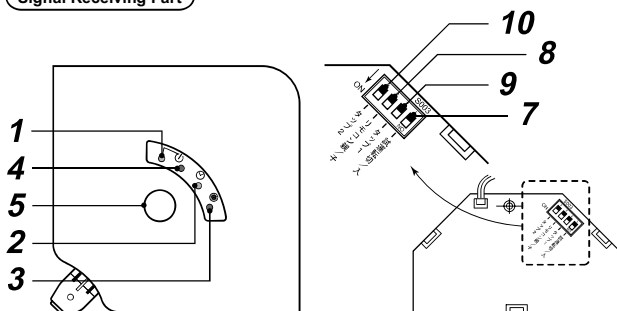
ACCESSORIES

• The signal receiving part is mounted to the ceiling panel.

Signal Receiving Part

1 **Emergency operation button**

2 **Signal receiving part**
The signal sent from the remote control-ler is received.

3 **Display lamp**
One of displays flashed while a trouble occurs. When the display lamp flashes, refer to "Before asking of repair".

4 ○ **lamp**
This lamp goes on during operation.

5 ○ **lamp**
This lamp goes on while the timer is reserved.

6 ◉ **lamp**
• In heating operation this lamp in the following cases;
The operation has started.
The temp. controller has worked.
The unit is under defrost operation.
• This lamp flashes while a trouble occurs.

7 試運転 入 **(S003-1) Trial ON switch**
This switch is not used in normal time, but used in trial operation time.

8 リモコン親 / リモコン子 **(S003-3)**
Priority/Secondary switch
Use this switch at the position of [リモコン
親 (PRIORITY)] . This switch can be used together with the wired remote controller.

9 **Fan speed change tap 1 (S003-2)**

10 **Fan speed change tap 2 (S003-4)**
These switches are used to select DC motor speed of a 4-way cassette type indoor unit by the taps.
When installing an indoor unit to a high ceiling surface or when changing the number of discharge ports, perform setting referring to the next page.

11 **Address switch**
This switch distinguishes the signal, send or receive.

The following switches are provided to the rear side of the receiving part. For setup, contact the shop which you purchased the unit.

• If "pi, pi" sound is heard, the MODE lamp of the display lamp goes on, and the ○ lamp and ◉ lamp flash alternately, the operation is not performed with the desired mode.

HOW TO SET THE FAN SPEED

When installing a 4-way cassette type indoor unit to high ceiling of a room, the fan motor speed can be selected in agreement with height of the ceiling and numbers of the discharge port.
For details, refer to the Installation Manual for 4-way discharge cassette type unit.

Setup No.	Tap 1	Tap 2	Installable ceiling height (Unit: m)								
			RAV-SM560UT-E			RAV-SM800UT-E			RAV-SM1120UT-E RAV-SM1400UT-E		
			4-ways	3-ways	2-ways	4-ways	3-ways	2-ways	4-ways	3-ways	2-ways
(0)	OFF	OFF	2.8	3.2	3.5	3.0	3.3	3.6	3.6	3.9	4.2
	Setting at shipment										
(1)	OFF	ON	3.2	3.5	3.8	3.3	3.5	3.8	3.9	4.1	4.3
(3)	ON	OFF	3.5	3.8	—	3.6	3.8	—	4.2	4.3	—

The fan motor speed is selected by Dip switch [S003] on the sensor P.C. board inside or the adjust corner cap (including sensors) of the ceiling panel of 4-way discharge cassette type indoor unit.
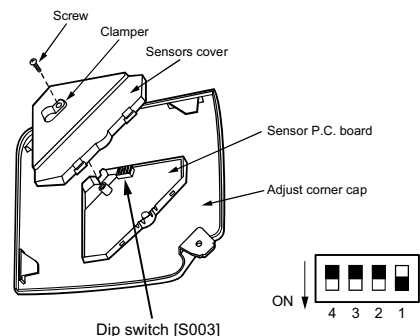
| 1	Used in [Trial operation]
2	Tap 1
3	Used by selecting [Priority/Secondary]
4	Tap 2

• After selecting a fan motor speed, reassemble the ceiling panel as before.
Using a clamper, fix the cable connectors with screws.

Display Section

All indicators are shown in the right and the lower figures for the explanation.

Only selected contents are display in actual operation.

• When turning on the leakage breaker at the first time 3 minutes later, **[SET DATA]** flashes about for 1 minute on the display part of the remote controller. While this display is flashing, the model is being automatically confirmed. Accordingly, wait for 1 minute after **[SET DATA]** display has disappeared, and then use the remote controller.

Display section

Operation section
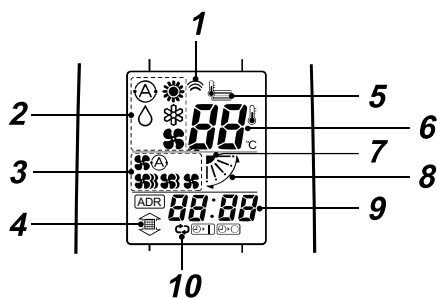
1 Transmitting indication
Displayed while operating the switches of the remote controller.

2 Mode display
The selected operation mode is displayed.

3 Fan mode select display
The selected fan mode is displayed.
    (AUTO)
    (HIGH)
    (MED.)
    (LOW)

4 Filter display
If "FILTER 爨" is displayed, clean the air filter.

5 CHECK display
Displayed while the protective device works or a trouble occurs.

6 Set up temperature display
The selected set up temp. is displayed.

7 Flap position display

8 SWING display
Displayed during up/down movement of the flap.

9 Timer time display
Time of the timer is displayed.
(When a trouble occurs, the check code is displayed.)

10 Timer SETIN setup display
When pushing the Timer SET button, the display of the timer is selected in order of [OFF] ⊘·1 ®
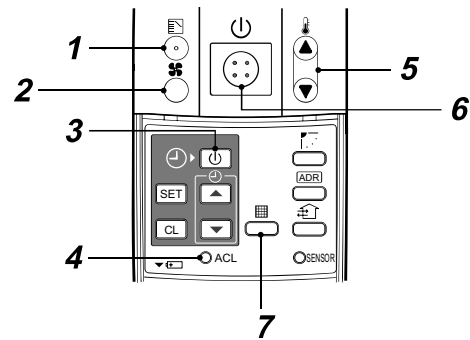[OFF] repeat OFF timer ↺ ® [ON] ⊘·⊙ ® No display.

ACCESSORIES

Operation Section

Push each button to select a desired operation.

• The details of the operation needs to be set up once, afterward, the air conditioner can be used by pushing (┃) button only.

1 Operation select button
Selects desired operation mode.

2 Fan mode select button
Selects a fan mode.

3 Timer set button
TIMER SET button is used when the timer is set up.

4 Check button
CHECK button is used for check operation. During normal operation, do not use this button.

5 Temperature set button
Adjusts required room temperature. Set required set temperature by pushing (▲) or (▼) .

6 Start/Stop button
When the button is pushed, operation starts, and it stops by pushing the button again.
When the operation stops, the operation lamp and all displays disappear.

7 Filter reset button
Resets (Erases) "FILTER 爨" display.

OPTION :

Remote controller sensor
Usually the TEMP. sensor of the indoor unit measured a temperature. A temperature around the remote controller can also be measured.
For details, contact the dealer from which you have purchased the air conditioner.

HOW TO OPERATE THE UNIT

Cool/Heat AUTO, Heat, Dry, Cool, Fan

Power supply

Turn on the power of the wireless remote controller 12 hours before starting the operation.

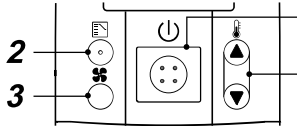• After the power supply has been turned on, the operation of the remote controller is not accepted for approx. 1 minute. It is not a failure.
(The sensor receives the signal once, but the received contents are cleared.)

1 Push Start/Stop button.

2 Push (Operation Select button) operation to select one of Ⓐ, ❄, ◌, ❅, and ❀.

3 Push ❀ (Fan Mode Select button) to select one of fan speed modes.
When selecting Ⓐ, the fan speed is automatically changed.
(During FAN mode, the air speed is not automatically changed.)

4 Push either ▲ or ▼ to select the desired temperature.
• During FAN mode, the temperature cannot be set up.

5 Stop
Push Start/Stop button.
When using the remote controller to stop the unit, the outdoor unit fan may keep operating for a while even if the compressor of the outdoor unit has stopped.

• In heating operation, if the room is not comfortably heated with FAN ❀, select FAN ❀ or ❀.
Although they are displayed, the function may not be provided according to the used indoor unit. (Fan speed is constant.)

• When the unit cannot be stopped by the normal operation
Turn off the power switch or leakage breaker, and then contact the shop which you purchased the unit.

Automatic cool/heat

When all indoor units in the identical refrigerant system are controlled as a group, the cooling/heating operation is automatically performed with the difference between the setup temperature and the room temperature.

Dry operation

• There is no dry function according to the used indoor unit even if DRY is displayed on the display section of the remote controller. (Same to Cooling operation)
• When the room temperature approaches the setup temperature, running/stop operations are automatically repeated.
• In order not to return humidity to the room as possible, the mode of indoor fan enters LOW mode when the operation has stopped.
• The fan speed cannot be adjusted according to the used indoor unit or status of the room temperature.
• The DRY mode cannot be used according to the used indoor unit when the outdoor temperature is 15°C or lower.

HOW TO OPERATE THE TIMER

• After setting of the timer, set the remote controller at a position where the signal can reach the sensors (indoor unit body) .
(The signal of the timer operation is sent from the remote controller.)
• Set up the timer during display of the operation mode.

Use in the following cases	During display
To stop the air conditioner after the previously set time has passed	⏲▸▮
To stop the air conditioner every time after the previously set time has passed	↻ ⏲▸▮
To operate the air conditioner after the previously set time has passed	⏲▸○

Timer time

Every pushing ▲, the setup time increases by 0.5 hour (30 minutes).
The maximum time to be set is 72.0 hours.

Every pushing ▼, the setup time decreases by 0.5 hour (30 minutes).
The minimum time to be set is 0.5 hours.

Timer display

Every pushing SET, the display changes as follows;

No display

⏲▸▮ → ↻⏲▸▮ → ⏲▸○

<Use example>

How to use OFF timer

(Ex.) To stop the unit 30 minutes after

1 When pushing the timer SET once, ⏲▸▮ and the time flash on the remote controller.

2 Push TIME ▲ or ▼ to set the time to 0.5.

3 Push SET and the ⏲▸▮ go on timer.

How to use the repeat timer

(Ex.) To stop the air conditioner every time after 2.5 hours has passed

1 When pushing the timer SET twice, ↻, ⏲▸▮ and the time flash on the remote controller.

2 Push TIME ▲ or ▼ to set the time to 2.5.

3 Push SET and the ↻, ⏲▸▮ go on timer.
The ⏲▸▮ works, and the operation stops after 2.5 hours. When pushing ⏻ (Start/Stop) button again to operate the unit, the operation stops after 2.5 hours.

How to use ON timer

(Ex.) To operate the unit 8 hours after

1 When pushing the timer SET three times, ⏲▸○ and the timer flash on the remote controller.

2 Push TIME ▲ or ▼ to set the time to 8.0.

3 Push SET
The operation mode display disappears, and then time and the ⏲▸○ go on.

To stop the timer operation

To stop the timer operation
Push CL button. Then the timer display disappears.

HOW TO ADJUST AIR DIRECTION

- Never move the flap (Air direction up/down adjusting plate) which is operated on the remote controller with hands except a case of cleaning of the flap.
- While the unit stops, the flap (Air direction up/down adjusting plate) directs downward automatically.
- During preparation of heating, the flap (Air direction up/down adjusting plate) directs upward. The swinging operation starts after heating preparation status has been cleared. However, swinging is displayed on the AUTO flap display of the remote controller even if the heating operation is being prepared.

How to set up the air direction

Every pushing ⌐ button during operation, the air direction changes.

How to start swinging

When pushing ⌐ button, set the direction of the flap (Air direction up/down adjusting plate) to the lowest position, and then push ⌐ button again, the swinging is displayed and the air direction automatically changes upward/downward.

How to stop swinging

Pushing ⌐ button once again during swinging of the flap stops the flap at the desired position. Then, when pushing ⌐ button, the air direction can be set to position from the uppermost position.

- In cooling or dry operation, the flap does not stop when the flap directs downward.
  If doing so, the flap stops at the 3rd position from the uppermost position.

In heating operation

Direct the flap (Air direction up/down adjusting plate) downward, otherwise the hot air may not reach at the foot.

Initial setup

In cooling/dry operation

Direct the flap (Air direction up/down adjusting plate) upward, otherwise dewdrops may adhere or drip down to near of the discharge grille.

Initial setup

In air blowing operation

Initial setup

In all operation modes

Series of operation
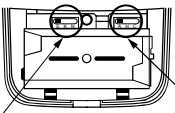
Display when swinging stopped

Fan/Heat operation   Cool/Dry operation

SLIDE SWITCH

- Do not change setting of the slide switch because a malfunction occurs by other settings.
- Before usage, check the slide switch is set to the position as follows;

Removal of battery cover

Operation mode display of remote controller

	Corresponding model for change of flap
Slide switch position	S K N
Flashing position on remote controller	HIGH MED. Swing

Slide switch position

A H C

HOW TO INSERT THE BATTERIES

1. Holding the both sides of the cover and remove it by sliding downward.
2. Correctly insert 2 AAA alkali batteries matching + and - polarities with indications.
3. Push RESET button with something tipped and attach the cover.

- Replace the batteries when the display section of the remote controller is difficult to be read, or when the signal cannot be sent if you are not close to the sensor.
  (The standard replacement time of the alkali batteries is approx. one year.)
- Use the same type of new batteries for replacing two batteries.
- In case when you do not the remote controller for a long time, remove the batteries.
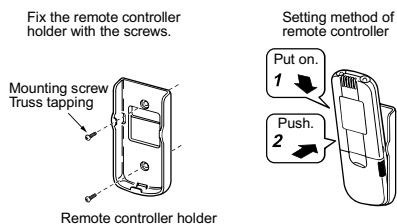
RESET button

Cover
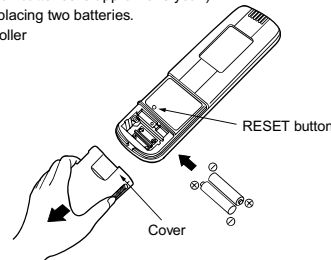
HOW TO HANDLE THE REMOTE CONTROLLER

- Direct the transmitter of the remote controller toward the sensor (indoor unit body).
  When the signal is normally received, "Pi" sound is heard once.
  ("Pi, pi" sounds are heard only when the operation has started.)
- The standard distance which the signal can be received is approx. 7m.
  The distance differs a little according to the capacity of the battery, etc.
- Be careful there is not something to block the signal between the sensor (indoor unit body) and the remote controller.
- Do not put the remote controller on the place exposed to the direct sunlight or air from the air conditioner or near the stove, etc.
- Do not drop, throw, or clean with water the remote controller.
- The signal may be accepted in a room where the electronic instantaneous-ON type or inverter type florescent light is set. For details, contact the shop which you purchased the air conditioner.

To Use the Remote Controller Setting to Wall, etc.

- Check a signal is received correctly by pushing (ᵔ) Start/Stop button at the position to be fixed.
- To take off remote controller, pull it toward you.

Fix the remote controller holder with the screws.

Mounting screw
Truss tapping

Remote controller holder

Setting method of remote controller

Put on.
1

Push.
2

HOW TO USE THE REMOTE CONTROLLER CORRECTLY

- **Set the remote controller so that it is not excessively far from the sensor (indoor unit), otherwise a malfunction is caused.**
  Be sure to set the remote controller in the same room where the sensor (indoor unit) is installed.

- **Direct the remote controller toward the sensor (indoor unit) for operation.**
  When a signal is correctly received, "Pi" sound can be heard.

- **Avoid to set the remote controller at a place where it is covered with curtain, etc.**

ADDRESS

When the multiple indoor units corresponding to the wireless remote controller are installed in the same room, an address can be set up to prevent an interference.
Matching the address switch of the sensor with number of the remote controller address, Max. 6 indoor units can be controlled by the corresponding remote controller individually.
The address switch for receiving the signal is prepared to the sensor (inside of panel or indoor unit) and the address switch for sending the signal is prepared to the remote controller. For details, contact the shop which you purchased the air conditioner.

How to Check the Address

When pushing ADR button on the remote controller, the present address is displayed on the display section of the remote controller. If this address matches with the address of the sensor (inside of panel or indoor unit), a buzzer sounds.
(When ALL is displayed, buzzer sound is necessarily heard.)
When ALL is displayed, the air conditioner can be operated regardless of any address of the sensor (inside of the indoor unit). Send the signal by directing the remote controller toward the sensor (panel or indoor unit body) to be handled.

How to Match the Address

Setup to remote controller address
1. When keeping ADR pushed for 4 seconds or more, ADR lamp goes on at the display section of the remote controller and the present address is displayed with flashing.
2. Every pushing ADR, the address is exchanged as ALL → 1 → 2 → 3 … → 6 → ALL. Match one of them with the address switch of the indoor unit sensor to be handled.
3. When pushing CL, the address display goes on and is displayed for 5 seconds.
   If the address matches with the address switch of the operation part, the buzzer sounds.

Display of remote controller address	Address ALL	Address 1	Address 2	.....	Address 6
Address switch position of sensor	* Address switch of sensor unit can be set any position.			.....	

Turn the knob to the right side for 1 to 3 while to the left side for 4 to 6 of Address select switch S001.

HOW TO PERFORM EMERGENCY OPERATION

In the following cases, operate the air conditioner in emergency by emergency operation of the operation part (inside of panel or indoor unit).

• The battery in the remote controller expired.
• A trouble occurred on the remote controller.
• The remote controller have disappeared.
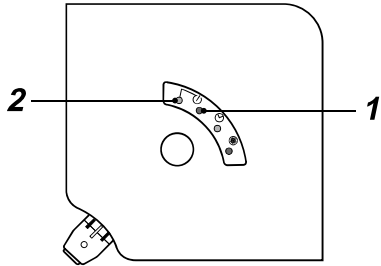
1 Start
Push emergency operation.
(If starting the operation when the room temperature is 24°C or higher, the mode enters COOL mode. If starting the operation when the room temperature is 24°C or lower, the mode enters HEAT mode.)

2 Stop
Push emergency operation once more.

CAUTION

• The ON switch of the test run and the ON switch of the test are used for the test run mode in the installation time. Do not use them in the normal time.
• If the "all stop" is selected in the normal/all stop switches, a signal from the remote controller is not accepted.

BEFORE ASKING REPAIR WORK

Before asking a repair work, check the following items.

Phenomenon		Cause	Measures
Check again	Operation does not start even if the switch is turned on.	Stopped? or after power failure?	Push Start/Stop of the remote controller.
		Is the power supply of the power switch?	Turn on the power supply switch if not.
		Fuse?	Contact the shop which you purchased the air conditioner.
		Is not the mode ON timer?	Delete the timer operation.
		Is not [ALL OFF] of [Signal Receiving Part] selected?	Set the switch to [Normal position], and stop the operation.
		Is not the battery of the remote controller expired?	Replace the battery.
		Is not the state of the display lamp "Disagreement of ❄ (cool) and ☀ (heat)" or "No Ⓐ"?	Change the operation mode.

Phenomenon		Cause
Contact the shop which you purchased the air conditioner	<Display lamp flashes.>	• It is a communication error between the sensor and the indoor unit, or setup error of the address when the wired remote controller is used.
		• A communication error between the indoor unit and the outdoor unit.
		• A protective device of the indoor unit works.
		• A protective device of the outdoor unit works.
		• A trouble occurred on the temperature sensor.
		• The compressor of the outdoor unit is protected.
		• The test run is performed. Turn off the Trial ON switch.

Please check the above items. If the trouble yet remains, stop the operation, turn off the power switch, and then notify the shop which you purchased the air conditioner of the part No. and phenomenon. Never repair any part by yourself because it is very dangerous. If the display lamp is flashing, also tell of its contents.

OWNER'S MANUAL

WEEKLY TIMER FOR AIR CONDITIONER (SPLIT TYPE)

<Program Weekly Timer Type>

RBC-EXW21E
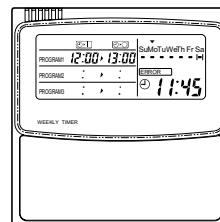
Thank you very much for purchasing TOSHIBA Weekly Timer for Air Conditioner.

Please read this owner's manual carefully before using your Weekly Timer for Air Conditioner.

• Be sure to obtain the "Owner's manual" and "Installation manual" from constructor (or dealer).

Request to constructor or dealer

Please clearly explain the contents of the Owner's manual and hand over it.

FEATURES

1. Using the dialogue system, Start/Stop operations three times per one day can easily set with unit of 1 minute. The program for a week is also set up.

2. To set the holidays (public holidays, consecutive holidays, etc.), the operation reserve can temporarily cancelled.

3. The present time, the day of the week and the operation contents under execution of the program are displayed with 24-hours notation.

4. The output can be forcibly turned on without changing the program.

5. As the backup function is incorporated in this model, the reserve contents of the program are stored in memory during a power failure.

CONTENTS

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PRECAUTIONS FOR SAFETY

WARNING ⚠

WARNINGS ABOUT INSTALLATION

• Make sure to ask the qualified installation professional in electric work to install the weekly timer for air conditioner.

If the weekly timer for air conditioner is inappropriate installed by yourself, it may cause water leak, electric shock, fire, and so on.

WARNINGS ABOUT OPERATION

• When you notice something abnormal with the air conditioner (smells like something scorching, poor cooling, etc.), immediately turn off the main switch, the circuit breaker, from the mains to stop the air conditioner, and contact the dealer.

If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.

WARNINGS ABOUT MOVEMENT AND REPAIR

• Do not move or repair any unit by yourself.
Since there is high voltage inside the unit, you may get electric shock when removing the cover and main unit.

• Whenever the air conditioner needs repair, make sure to ask the dealer to do it.
If it is repaired imperfectly, it may cause electric shock or fire.

• When moving the air conditioner for re-installing at another place, ask the dealer to do it.
If it is imperfectly installed, it may cause electric shock or fire.

CAUTION

CAUTIONS ABOUT OPERATION

• Carefully read this manual before starting the weekly timer for air conditioner.
There are many important things to keep in mind for daily operation.

• Do not use this weekly timer for air conditioner for special purpose such as preserving food, precision instruments, art objects, breeding animals, growing potted plants, etc.

• Do not touch any switches with wet finger, otherwise you may get an electric shock.

• If the air conditioner was not be used for a considerably long time, turn off the main switch or the circuit breaker, for safety. Disconnect from the power supply prevents the unit from lightning and power supply surge.

• Prevent any liquid from falling into the weekly timer.
Do not spill juice, water or any kind of liquid.

NAME AND OPERATION OF EACH PART
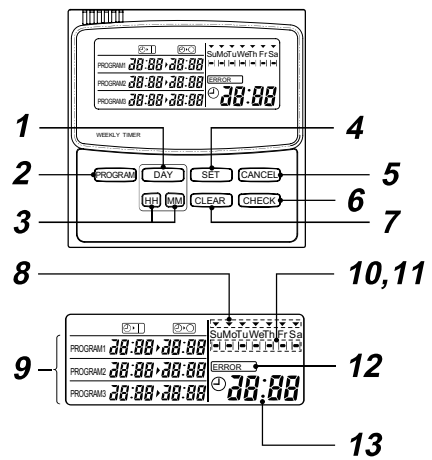
1 Day select button

The day of the week is selected.
Each pushing, ▼ mark moves in order of Sunday → Monday → Tuesday → Wednesday → Thursday → Friday → Saturday.

2 Program button

This button is used to set up the contents of the program operation.

3 Hour/Minute button

This button is used to set the present time and ON/OFF time.

4 Timer set button

This button is used to set the day of the week, hour, minute, holiday, and ON/OFF time.

5 Cancel button

This button is used to cancel as the holiday.

6 Check button

This button is used to confirm the contents of the setting items.

7 Cancel button

This button is used to cancel the setting items.

8 Display of the present day of the week (▼ mark)

9 ON/OFF time display

ON/OFF time of the timer operation is displays.

10 Operation reserve indication (▬ mark)

The day of the week when the program operation has been set is displayed.

11 Holiday setting indication (|▬| mark)

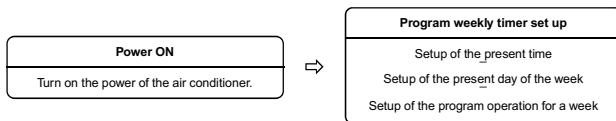The holiday is displayed (Cancel as holiday)

12 Setting error display

13 Present time display

Displays the present time displayed with 24-hours notation.

HOW TO USE THE TIMER CORRECTLY

1. Operation procedure

Power ON
Turn on the power of the air conditioner.

⇨

Program weekly timer set up
Setup of the present time
Setup of the present day of the week
Setup of the program operation for a week

2. Turn on the power supply of the air conditioner

- **Turn on the power supply of the air conditioner connected with a program weekly timer. (For cooling and heating, do not turn off the power supply for compressor heating.)**

3. Setup of the present time

- **Set the present time**
  (Example: Case that the present time is 11:45.)

1 **While push SET button push HH button to select "hour" of the present time.**

- While push SET button each pushing HH button, change sequently.
  $0 \rightarrow 1 \rightarrow \cdots \rightarrow 10 \rightarrow \cdots \rightarrow 23 \rightarrow 0$
- While keep SET button pushed, continuous pushing HH button makes fast forward. (Example: Leave the finger at display of 11, you can set 11 o'clock.)
- When release SET button, the hour is set, and ☉·❙ mark changes flashing to light.
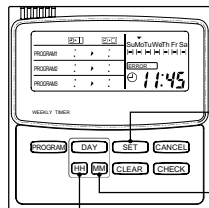
2 **While push SET button push MM button to select "minutes" of the present time.**

- While push SET button, each pushing MM button change sequently.
  $00 \rightarrow 01 \rightarrow \cdots \rightarrow 58 \rightarrow 59 \rightarrow 60$
- While keep SET button pushed continuous, pushing MM button makes fast forward. (Example: Leave the finger at display of 45 you can set 45 minutes.)
- When release SET button, the minutes are set, and ☉·❙ make changes flashing to light.

CAUTION

- The time cannot be changed only when HH button or MM button pushed.
- If 30 seconds have passed while the button is flashing without pushing DAY or HH / MM buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.

4. Setup of the day of the week

- **Set the today of the week.**
  (Example: Case of Wednesday)

1 **While push SET button push DAY button to select "today" of the week.**

- While pushing SET button, each push DAY button, the display of the present day of the week ▼ flashes, and the display moves in order.
  ▽ ▽ ▽ ☀ ▽ ▽ ▽
  Su Mo Tu We Th Fr Sa

CAUTION

- The day of the week cannot be changed only when DAY button is pushed.
- If 30 seconds have passed while the button is flashing without pushing DAY or HH / MM buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.
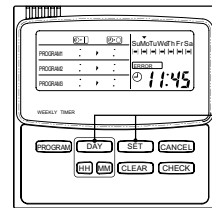
5. How to set program timer operation

Set the present time and the present day of the week surely, otherwise the program operation is not correctly performed.

This timer can control up to 3 cycle program per day.
(1 cycle or 2 cycles can be also set up.)
The following items can be set to the program operation.

- Setup of [ON] ® [OFF] time ([ON] or [OFF] only cannot be set up singly.

<Name and functions>

- Operation time of program 1
- Operation time of program 2
- Operation time of program 3

Example:
To set the operation time of Monday as follows:
From 8:00 to 12:00
From 12:40 to 16:50 } Operates
From 17:00 to 19:00

1 **First push PROGRAM button.**

- When pushing PROGRAM button, the reserve mark ● flashes.

2 **Push DAY button, select the day for operation and then push SET button.**

When pushing SET button, the flashed reserve mark ● changes, and ON time of the program 1 flashes at the same time.

Su Mo Tu We Th Fr Sa

3 **Set ON time by** ⊞, ⊞ **buttons, and then push** (SET) **button.**

When push (SET) button, the flashed ON time (8:00 in example) change, and OFF time of the program 1 flashes at the same time.
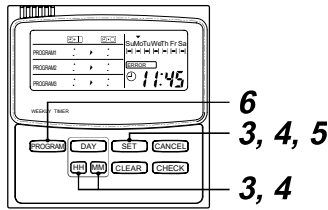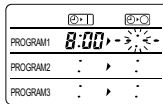
	⊙·I	⊙·○
PROGRAM1	**8:00** ▸ ⁝	⁝
PROGRAM2	⁝ ▸	⁝
PROGRAM3	⁝ ▸	⁝

6
3, 4, 5
3, 4

4 **Set OFF time by** ⊞ / ⊞ **buttons, and then push** (SET) **button.**

When pushing (SET) button, the flashed ON time (12:00 in example) changes, and ON time of the program 2 flashes.

	⊙·I	⊙·○
PROGRAM1	**8:00** ▸ **12:00**
PROGRAM2	⁝ ▸ ⁝
PROGRAM3	⁝ ▸ ⁝
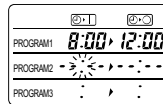
5 **Next set up the operation time to the program 2 and 3.**

When pushing (SET) button after OFF time of the program 3 has been set, the flashed OFF time (19:00 in example) changes and ON time of the program 1 flashes.

	⊙·I	⊙·○
PROGRAM1	**8:00** ▸ **12:00**
PROGRAM2	**12:40** ▸ **16:50**
PROGRAM3	**17:00** ▸ **19:00**
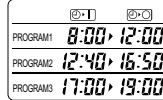
6 **Finally, push** (PROGRAM) **button.**

Push (PROGRAM) button within 30 seconds after No. 5 step.

Then, one day timer (Monday in example) is set completely.
ON/OFF is displayed when the present time is included in the range of the set time.
(In the above status, the contents of the program 1 are displayed as the present time is included in the range from ON time to OFF time of the program 1.)

	⊙·I	⊙·○
PROGRAM1	**8:00** ▸ **12:00**
PROGRAM2	⁝ ▸ ⁝
PROGRAM3	⁝ ▸ ⁝
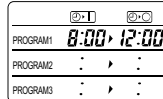
7 Setting to other day, repeat above procedure from **1** to **6**.
If you need to set the same time as previous setting. Refer to "**7. How to copy the program operation time**".

CAUTION

• Setup of the program time : *0:00* is treated as *24:00*.

    (Example) In the following cases, setup are available.

ON time	OFF time
0:00	*2:00*
22:00	*0:00*

• If 30 seconds have passed while the button is flashing without pushing (DAY) or ⊞ / ⊞ buttons, the display returns automatically to the original display (Normal display). In this case, repeat the procedure from the 1st step.
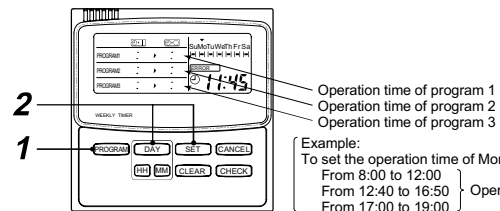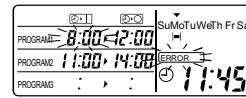
---

6. Set error

If flashing [ERROR] is displayed when the program operation has been set up, correct the time following the procedure below.

1. When flashing [ERROR] is displayed, ON time of the failed program flashes.

	⊙·I	⊙·○	SuMoTuWeTh Fr Sa
PROGRAM1	**8:00** ◂ **12:00**	
PROGRAM2	**11:00** ▸ **14:00**	[ERROR]
PROGRAM3	⁝ ▸ ⁝	⊙ **11:45**

2. Push (SET) button to flash the time to be corrected.
3. Using ⊞ / ⊞ buttons, correct ON/OFF time.
4. Push (SET) button. When the setup is correctly performed, [ERROR] display disappears.
5. The correction has completed by pushing (PROGRAM) button.

CAUTION

• **When ON/OFF time is set as follows,** [ERROR] **is displayed.**

  1) When a part of the operation time makes inroads into a part of another operation time

	ON time	OFF time
Example:	*8 : 00*	*12 : 00*
	11 : 00	*14 : 00*

  2) When OFF time is ahead of ON time

	ON time	OFF time
Example:	*12 : 00*	*8 : 00*

  3) When ON time is same as OFF time

	ON time	OFF time
Example:	*8 : 00*	*8 : 00*

  4) ON time or OFF time is singly set up

	ON time	OFF time
Example:	*8 : 00*	[Is not set]

• **The following cases are not set error.**

  1) OFF time of the previous cycle is same as ON time of the next cycle.

	ON time	OFF time
Example:	*8 : 00*	*12 : 00*
	12 : 00	*19 : 00*

  2) When the next cycle is set to the time before the set time of the previous cycle

Example:

ON time	OFF time	⇨	ON time	OFF time
12 : 40	*12 : 50*		*12 : 40*	*16 : 50*
8 : 00	*12 : 00*		*12 : 40*	*16 : 50*

Pushing the (PROGRAM) button changes the order in order of time.

  3) When both ON and OFF times are same *0 : 00*

	ON time	OFF time
Example:	*0 : 00*	*0 : 00*

Continuous operation for 24 hours

7. How to copy the program operation time

When setting the program operation, already set program can be copied and set to the other day of the week.

<Example: To copy the operation contents of Monday to Tuesday>

1. Push CHECK button in normal display.
2. Push DAY button and put the operation reserve indication ● on the day of the week of which the program operation is already set. (Monday in the example)
3. Push PROGRAM button. Present day of the week indication ▼ and Operation reserve indication ● flash.
4. Push DAY button and put the present day of the week indication ▼ on the day of the week to be copied. (Tuesday in the example) (For continuous copying, push SET button, and then push DAY button.)
5. Push PROGRAM button. The operation reserve indication ● goes on under the copied day of the week.
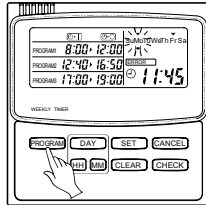
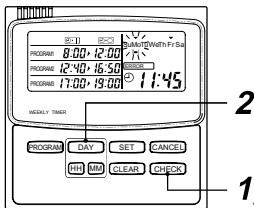## 8. How to check the program operation time

CAUTION

1. While reserve indication ● is flashing, the display does not change even if other buttons are pushed than DAY, CHECK, and PROGRAM button.
2. If 30 seconds have passed while the reserve indication ● is flashing without pushing DAY, CHECK or PROGRAM button, the display returns automatically to the original display. (Normal display)

1 Push CHECK button.

**<Example: Case to check the program operation time of Wednesday in Monday>**
• The operation reserve indication ● flashes in the normal display status.

2 Push DAY button and put the operation reserve indication ● on the day of the week to be checked.
• Every pushing DAY button, the operation reserve indication ● flashes and the contents of program operation time of the day of the week on which the operation reserve indication ● has been put on is displayed.
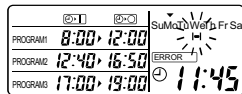
3 Push CHECK button.
• It turns to be normal indication.

9. How to change the program operation time

1. Push PROGRAM button in the normal display status.
2. Select the required day reserve mark ● by pushing DAY button.
3. Push SET button.
4. Each push SET button, the flashing part changes in the following figure. Put the indication on the time to be changed.
5. Using HH / MM buttons, change the time.
6. Push SET button.
7. Push PROGRAM button. Then the change operation has completed.
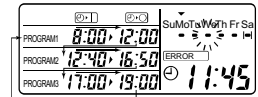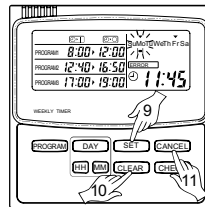
10. How to clear the program operation

• **Clear of the day of the week**
  1) Push PROGRAM button.
  2) Push DAY button and select the reserve mark ● to be cancelled.
  3) Push CLEAR button. The program time disappears.
  4) Push PROGRAM button. The operation reserve indication ● disappears.

• **Clear of a part of the program**
  1) Push PROGRAM button.
  2) Push DAY button and select the reserve mark ● on a to be cancelled.
  3) Push SET button.
  4) Push SET button again to flash ON or OFF time of the program to be cancelled.
  5) Push CLEAR button.
     Then, a part of the program has been cancelled. At the same time, the remained programs are automatically arranged.
  6) Push PROGRAM button.

11. How to set up the holiday

• **The operation reserve day can be cancelled by setting up the holiday.**
  1) Push CANCEL button. The holiday setup mark | | flashes.
  2) Push DAY button and select the holiday setup mark | | on the day which the holiday is set.
  3) Push SET button. The flashing holiday setup indication | | changes on. (|●|)

• **Clearance of [HOLIDAY] setup**
  1) Push CANCEL button.
  2) Push DAY button and select the holiday setup mark | | on the day to which the holiday is cancelled.
  3) Push SET button. The holiday setup mark |●| disappears and the operation reserve mark ● appears.

• **Explanation of operation**
  The cancel setting day is temporarily canceled, and from the next day, the cancel setup mark |●| disappears and the operation reserve mark ● appears.

CAUTION

• For the day which does not set timer, the cancellation cannot be set.

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12. Matters to be memorized

1. Power failure

When a power failure occurred and the power supply has been reset, the display of the right figure appears. (A colon " : " flashes.)

- **Resuming of operation**
  1) Turn on the power (breaker) of the air conditioner.
  2) Start operation by the remote controller.
  3) Push PROGRAM button of the program weekly timer. The flashing colon " : " changes to the clock display in the normal status. In this case, the program is memorized by the backup function. Therefore, it is unnecessary to set the program again.
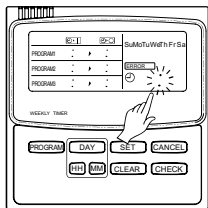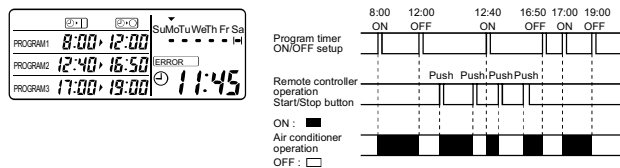
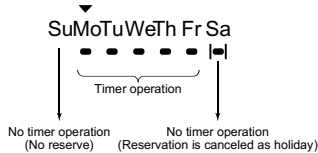### 2. Operation of program weekly timer and air conditioner

An air conditioner mounted with a program weekly timer is operated on a remote controller and on the program weekly timer.

(Example)

1) Operation pattern in a day

2) Operation pattern in a week

SuMoTuWeTh Fr Sa

Timer operation

No timer operation
(No reserve)

No timer operation
(Reservation is canceled as holiday)
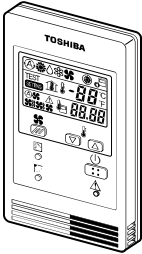
OWNER'S MANUAL

REMOTE CONTROLLER FOR AIR CONDITIONER

<Simple Operation Type>

RBC-AS21E

TThank you very much for purchasing TOSHIBA Remote Controller for Air Conditioner.

Please read this owner's manual carefully before using your Remote Controller for Air Conditioner.

• Be sure to obtain the "Owner's manual" and "Installation manual" from constructor (or dealer).

CONTENTS

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PRECAUTIONS FOR SAFETY

WARNING ⚠

WARNINGS ABOUT INSTALLATION

• Make sure to ask the qualified installation professional in electric work to install the remote controller.
If the remote controller is inappropriate installed by yourself, it may cause, electric shock, fire, and so on.

WARNINGS ABOUT OPERATION

• When you are aware of something abnormal with the air conditioner (smells like something etc.), immediately turn off the main power supply switch or circuit breaker, from the mains to stop the air conditioner, and make contact with the dealer. If the air conditioner is continuously operated with something abnormal, it may cause machine failure, electric shock, fire, and so on.
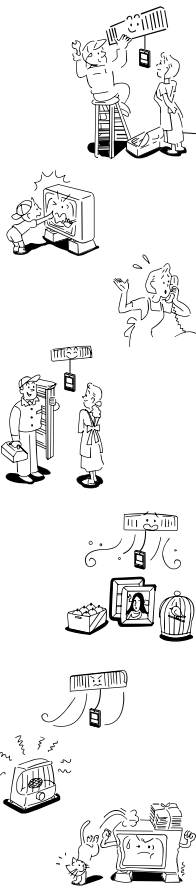
WARNINGS ABOUT MOVEMENT AND REPAIR

• Do not repair any unit by yourself.
• Whenever the air conditioner needs repair, make sure to ask the dealer to do it. If it is repaired imperfectly, it may cause electric shock or fire.
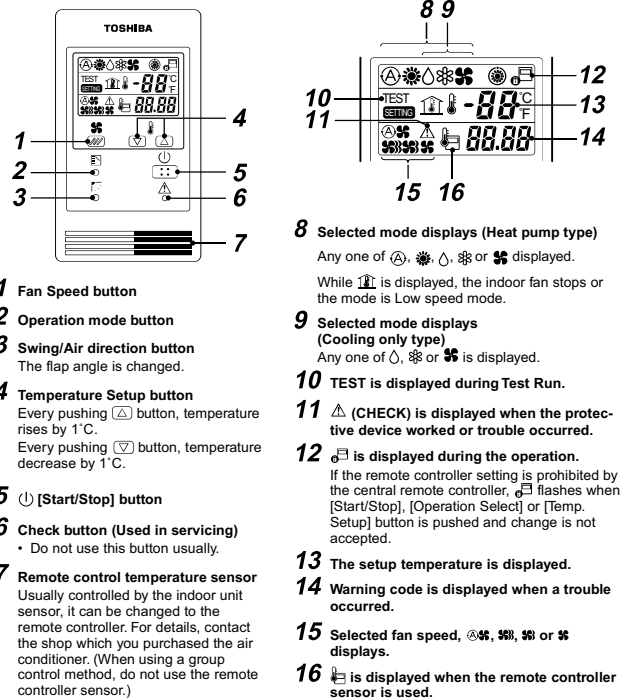
CAUTION

CAUTIONS ABOUT OPERATION

• Carefully read this manual before starting the air conditioner. There are many important things for the safety and the correct usage.
• Do not touch any switches with wet finger, otherwise you may get an electric shock.
• When the air conditioner was not be used for a considerably long time, turn off the main switch or the circuit breaker, for safety. Disconnect from the power supply prevents the unit from lightning and power supply surge.
• Prevent any liquid from falling into the remote controller. Do not spill juice, water or any kind of liquid.

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NAME AND OPERATION

• For Cooling Only type, Ⓐ, ❄ and 🏠 are not displayed on LCD.
• Max. 8 indoor units can be operated by a remote controller.
• Once setting the operation items, you can operate the previous condition by pushing ⬚ button only.

<The following display is for explanation, so it differs from the real display.>

1 Fan Speed button

2 Operation mode button

3 Swing/Air direction button
The flap angle is changed.

4 Temperature Setup button
Every pushing △ button, temperature rises by 1˚C.
Every pushing ▽ button, temperature decrease by 1˚C.

5 ⏻ [Start/Stop] button

6 Check button (Used in servicing)
• Do not use this button usually.

7 Remote control temperature sensor
Usually controlled by the indoor unit sensor, it can be changed to the remote controller. For details, contact the shop which you purchased the air conditioner. (When using a group control method, do not use the remote controller sensor.)

8 Selected mode displays (Heat pump type)
Any one of Ⓐ, ❄, ◊ or ✿ displayed.
While 🏠 is displayed, the indoor fan stops or the mode is Low speed mode.

9 Selected mode displays (Cooling only type)
Any one of ◊, ❄ or ✿ is displayed.

10 TEST is displayed during Test Run.

11 ⚠ (CHECK) is displayed when the protective device worked or trouble occurred.

12 ⬚ is displayed during the operation.
If the remote controller setting is prohibited by the central remote controller, ⬚ flashes when [Start/Stop], [Operation Select] or [Temp. Setup] button is pushed and change is not accepted.

13 The setup temperature is displayed.

14 Warning code is displayed when a trouble occurred.

15 Selected fan speed, Ⓐ✿, ✿, ✿ or ✿ displays.

16 🌡 is displayed when the remote controller sensor is used.

• When turning on the power switch of the simple operation type remote controller at the first time, 🌡 flashes. While 🌡 is displayed, the automatic model check is operating.
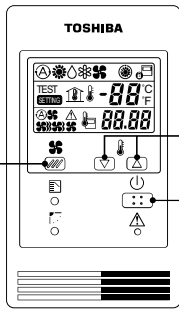Operate the remote controller after 🌡 has disappeared.

HOW TO OPERATE AIR CONDITIONER

COOL/HEAT AUTO, HEAT, DRY, COOL, FAN

1 **Power supply**
Turn on the power supply of the air conditioner 12 hours before starting the operation.

2 **Push ⏻ button.**

TOSHIBA

3 **Push � button (⧉) to select fan speed.**
When selecting AUTO, fan speed is automatically changed.
(During FAN mode, the air speed is not.)

4 **Push either ▽ or △ set to Auto.**

<Recommended temperature>
• During FAN mode, the temperature cannot be set up.

5 **Stop**

Push ⏻ button.
When stopping the unit by the remote controller, the fan of the outdoor unit, the fan or the outdoor unit may keep operating for a while even if the compressor of the outdoor unit has stopped.

• When the unit cannot be stopped by the remote controller.

Turn off the main power switch or the leakage breaker, and then contact the shop which you purchased the unit.

• In heating, if the room is not enough heated with FAN ✱, select FAN ✱⟩ or ✱⟩.
• As the temperature sensed by the temp. sensor periphery of the suction port of the indoor unit, it differs from in the room according to the installation state. Set the temperature considering the setup value as the standard temperature in the room.

Automatic Cool/Heat

When all indoor units in the identical refrigerant system are controlled as a group and when all indoor units are installed in the same room, the cooling or heating operation is automatically performed with the difference between the setup temperature and the room temperature.