

TOSHIBA

Carrier

REMOTE CONTROLLER FOR AIR CONDITIONER (SPLIT TYPE)

Owner's Manual

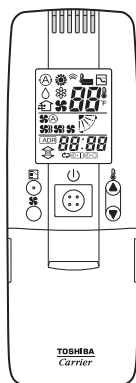
Remote Controller

Model name: _____

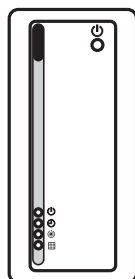
Wireless remote controller kit

TCB-AX21UL

Generic model name	Wireless remote controller and signal receiving unit
TCB-AX21UL	WX-TA01UES (Wireless remote controller model name)



**Wireless remote controller
(WX-TA01UES)**



**Signal receiving
unit**

Owner's Manual
Remote controller for air
conditioner (Split type)

1

English

Manuel du propriétaire
Télécommande pour climatiseur
(Type split)

19

Français

Thank you very much for purchasing TOSHIBA/Carrier 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.

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1 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 inappropriately installed by yourself, it may cause, electric shock, fire, and so on.
- Make sure to install the air conditioner specified by TOSHIBA/Carrier and ask the exclusive dealer when installing. If the air conditioner is installed by yourself, it may cause electric shock or fire, etc.



WARNINGS ABOUT OPERATION

- Prevent any liquid from falling into the remote controller. Do not spill juice, water or any kind of liquid. It may cause malfunction, electric shock or fire, etc.
- When you are aware of any error with the air conditioner (smells like something burning etc.), immediately turn off the circuit breaker to stop the air conditioner, and make contact with the dealer. If the air conditioner is continuously operated with an error, it may cause malfunction, 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.
- When reinstalling the air conditioner, contact with the dealer. If the installation is insufficient, it may cause electric shock or fire, etc.

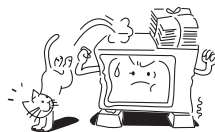


 **CAUTION****CAUTIONS ABOUT INSTALLATION**

- Do not install the remote controller in a place where its signals do not reach the indoor unit.
- Do not install the remote controller in the place under the direct sunlight and close to any heat source. It may cause malfunction.
- The fluorescent lamp with rapid start system or inverter system may disturb the signal reception. For details, contact with the dealer of the air conditioner you have purchased.

**CAUTIONS ABOUT OPERATION**

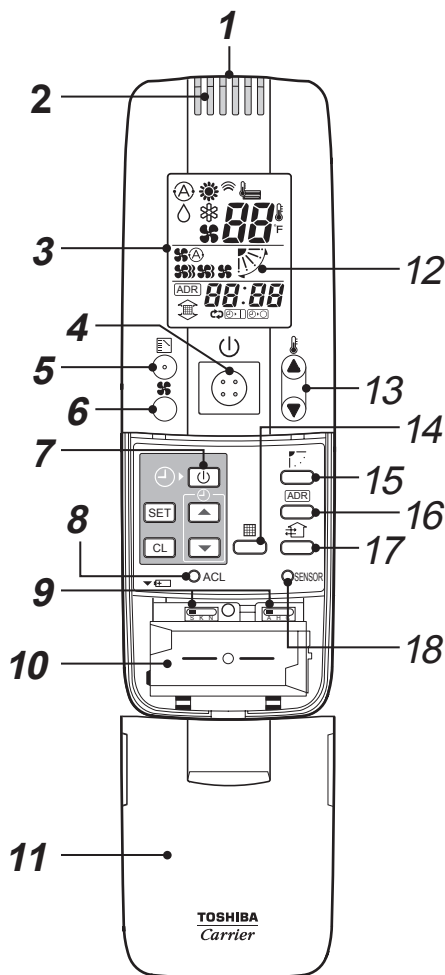
- Do not drop or apply strong shock to the air conditioner. It may cause malfunction of the remote controller.
- Use batteries that meet the specifications.



2 PART NAMES AND FUNCTIONS

■ Remote Controller (WX-TA01UES)

- Max. 8 indoor units can be operated by a remote controller as a group. (See page 14)
- Illustration of LCD shown below is for explanation. It may differ from the actual LCD.



1 Transmitting part

2 Remote controller sensor

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

3 LCD

The operation mode is displayed.

4 ON/OFF button

Pushing this button starts, and pushing again stops the unit.

5 Mode button

Selects desired operation mode.

6 Fan speed button

7 Timer Set button

Use to setup the timer.
(See page 10)

8 ACL button

This button is used after replacement of battery or selection of slide switch.
(See page 11)

9 Slide switch

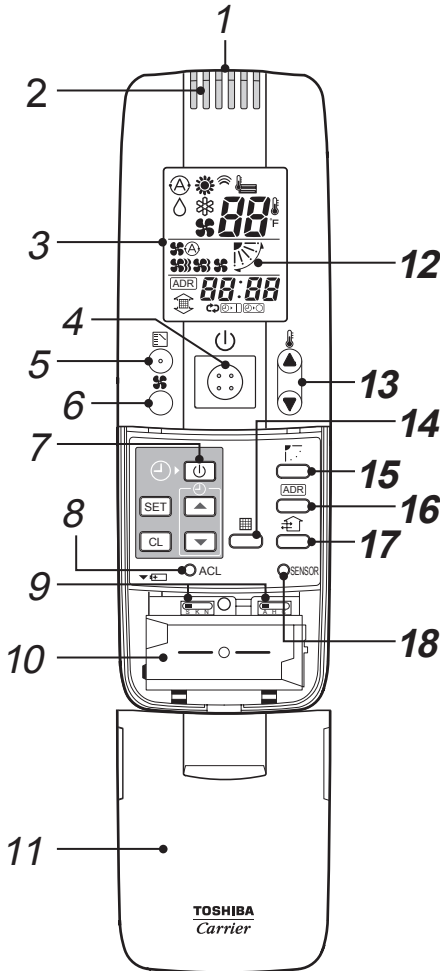
(See page 11)

10 Battery compartment

(See page 12)

11 Cover

Slide the cover holding its both sides.



12 AUTO louver display differs according to the installed unit.

No function

13 Setup temperature button

Adjusts the set point.

Set the desired set point by pushing or .

14 Filter button

No function

15 Swing/Air direction button

No function

16 Address button

(See page 14)

17 Ventilation button

Use this when a ventilation fan or other unit, purchased on the market, has been connected.

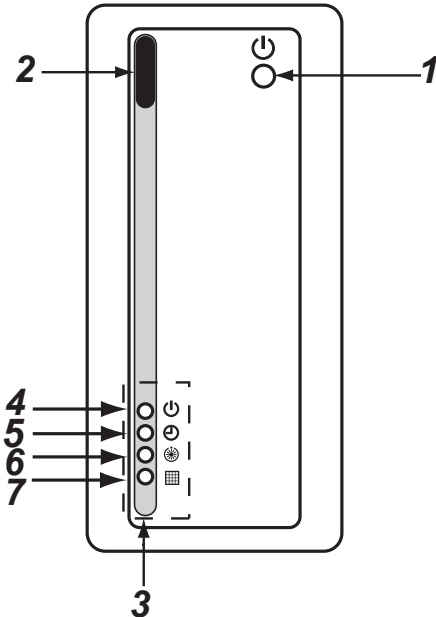
18 Sensor button

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.

■ Signal Receiving Unit

- The signal receiving unit is attached to the indoor unit.
- Hereinafter, all remote controller button names are indicated with respective symbols displayed on the remote controller.

Example: ON/OFF button → 



1 Temporary operation button

(See page 16)

2 Signal receiving unit

The signal sent from the remote controller is received.

3 Display lamp

One of displays flashed while an error occurs. When the display lamp flashes, refer to "BEFORE ASKING FOR REPAIR WORK" in 17 page.

4 lamp

This lamp illuminates when unit is on.

5 lamp

This lamp illuminates while the timer is reserved.






6 lamp

- In heating operation this lamp illuminates 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 lamp

This lamp illuminates to remind to clean the air filter.

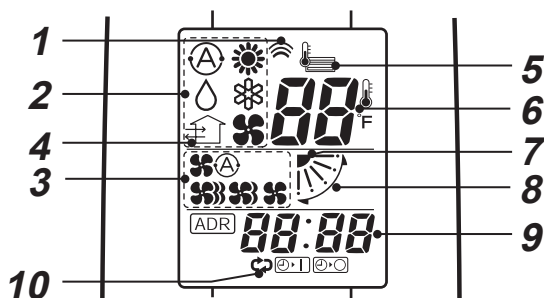
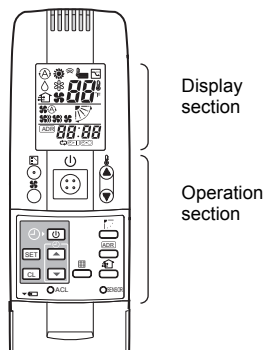
CAUTION

- 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.
- Even if you push ,  or  when remote controller operation is disabled by the central control or other means, "pi" is heard 5 times and the button operation is not accepted.

■ Display section

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

Only selected contents are display in actual operation.



1 Transmitting indication

Displayed while operating the switches of the remote controller.

2 Mode display

The selected operation mode is displayed.

3 Fan speed display

The selected fan speed is displayed.

- (AUTO)
- (HIGH)
- (MED.)
- (LOW)

4 Ventilation display

This appears while the ventilation fan is operating.

5 Remote control sensor display

This appears when the remote control sensor is used.

6 Set up temperature display

The selected set point is displayed.

7 Louver position display

8 SWING display

Displayed during up/down movement of the louver.

9 Timer display

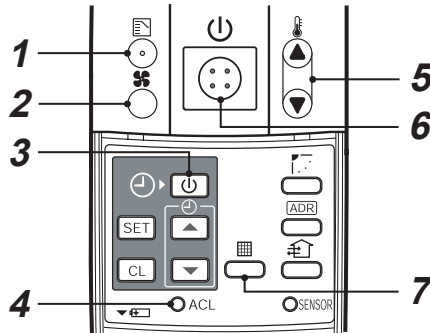
10 Timer mode display

When pushing the Timer SET button, the display of the timer is selected in order of [OFF] → → → repeat OFF timer → [ON] → No display.

■ 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 Mode button

Selects desired operation mode.

2 Fan speed button

Selects a fan speed.

3 Timer set button

Use to setup the timer. (See page 10)

4 ACL button

Use this button after battery exchange.

5 Setup Temperature button

Adjusts the set point.

Set the desired set point by pushing ▲ or ▼.

6 ON/OFF 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 button

No function

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.

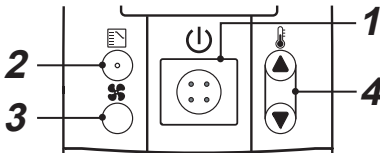
3 CORRECT USAGE












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




Power supply

Turn on the power supply switch 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  (ON/OFF button).**
- 2 Push  (Mode button)**
operation to select one of , , , , and .
- 3 Push  (Fan Speed 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 ON/OFF 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 circuit 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 59°F (15°C) or lower.

4 TIMER OPERATION

- After the timer has been set, put the remote controller at a position where signals of the remote controller can reach the signal receiving unit on the indoor unit. The timer operation signal is transmitted from the remote controller.
- Set the timer while an operation mode is displayed as follows:

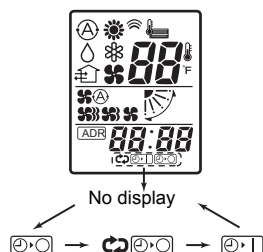
Use the timer in the following cases		Mode displayed
To stop the air conditioner when the preset time has passed	OFF timer	
To stop the air conditioner each time when the preset time has passed	Repeat OFF timer	
To operate the air conditioner when the preset time has passed	ON timer	

Timer period

- The setup time increases by 0.5 hours (30 minutes) each time you push . The maximum setup time is 72.0 hours.
- The setup time decreases by 0.5 hours (30 minutes) each time you push . The minimum setup time is 0.5 hours.

Timer display

Each time you push Timer , the timer display changes as follows:



<Use Examples>

▼ Setting OFF timer

(Example) To stop operation in 30 minutes

- Push Timer .
 and the time flash on the display.
- Set the time to 0.5 with TIME or .
- Push and go on timer.

▼ Setting repeat timer

(Example) To stop operation in every 2.5 hours

- Push Timer twice.
 and the time flash on the display.
- Set the time to 2.5 with TIME or .
- Push and go on timer.

The OFF timer is activated and the operation stops in 2.5 hours. When you push again to restart the operation, it stops in 2.5 hours.

▼ Setting ON timer

(Example) To start operation in 8 hours

- Push Timer three times.
 and the time flash on the display.
- Set the time to 8.0 with TIME or .
- Push .

The operation mode disappears, and and the time stop flashing.

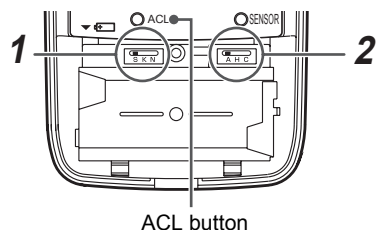
▼ Canceling timer operation

Push . The timer display disappears.

5 SLIDE SWITCH

- The settings of operation mode display and air direction display vary as follows depending on the indoor unit in use.
- Use a fine-tipped tool to change the switch setting.
- Push the ACL button after the switch setting is changed.
- Do not change setting of the slide switch because a malfunction occurs by other settings.

View with the cover removed



1 Louver display switch

Louver display of the remote controller	
Slide switch position	

- * Set the slide switch to "S." Otherwise the air direction adjustment and louver display are disabled.

2 Operation mode switch

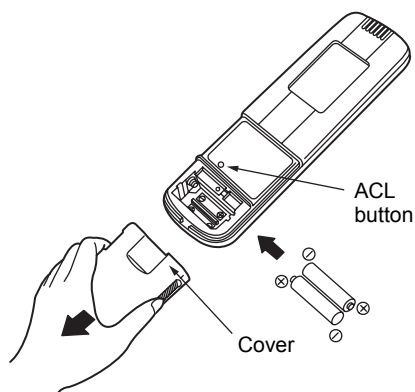
Operation mode display of the remote controller	
Slide switch position	

- Before using the air conditioner, check that the slide switch is set as shown in this table.

For details of slide switch setting, contact the dealer from whom you purchased the air conditioner.

6 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 ACL 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 signal receiving unit.
(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.

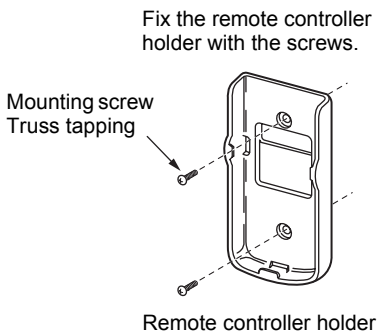


7 HOW TO HANDLE THE REMOTE CONTROLLER

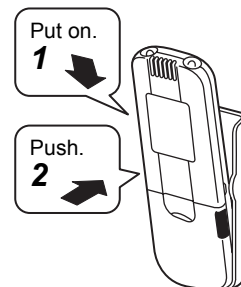
- Direct the transmitter of the remote controller toward the sensor (indoor unit body). When the signal is normally received, "Pi" sound is heard once. ("Pi, pi" sounds are heard only when the operation has started.)
- The standard distance which the signal can be received is approx. 23' (7m). The distance 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 (⏻) ON/OFF button at the position to be fixed.
- To take off remote controller, pull it toward you.



Setting method of remote controller



8 HOW TO USE THE REMOTE CONTROLLER CORRECTLY

- **Set the remote controller so that it is not excessively far from the signal receiving unit, otherwise a malfunction is caused.**
Be sure to set the remote controller in the same room where the signal receiving unit is installed.
- **Direct the remote controller toward the signal receiving 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.**

9 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 signal receiving unit with number of the remote controller address, Max. 6 indoor units can be controlled by the corresponding remote controller individually. For the seventh indoor unit onwards, address setting is necessary from wired remote controller.

The address switch for receiving the signal is prepared to the signal receiving 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 signal receiving unit, a buzzer sounds.

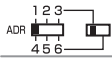
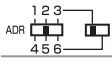
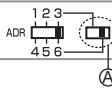
(When ALL is displayed, buzzer sound is necessarily heard.)

When ALL is displayed, the air conditioner can be operated regardless of any address of the signal receiving unit. Send the signal by directing the remote controller toward the signal receiving unit to be handled.

■ How to Match the Address

Setup to remote controller address

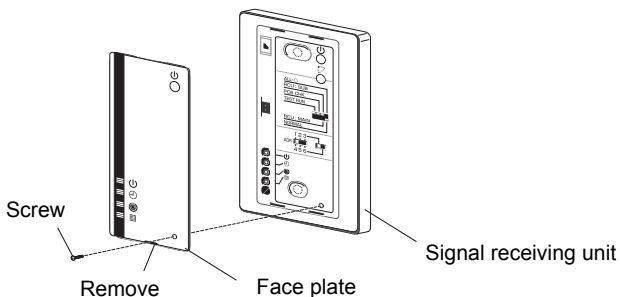
1. When keeping **[ADR]** pushed for 4 seconds or more, **[ADR]** lamp goes on at the display section of the remote controller and the present address is displayed with flashing.
2. Every pushing **[ADR]**, the address is exchanged as ALL → 1 → 2 → 3...→ 6 → ALL. Match one of them with the address switch of the indoor unit sensor to be handled.
3. When pushing **[SET]**, 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 <i>ALL</i>	Address <i>1</i>	Address <i>2</i>	-----	Address <i>6</i>
Address switch position of signal receiving unit	* Address switch of signal receiving unit can be set any position.			-----	

The address switch is inside the face plate of signal receiving unit.

Contact the dealer for setting of the switch.

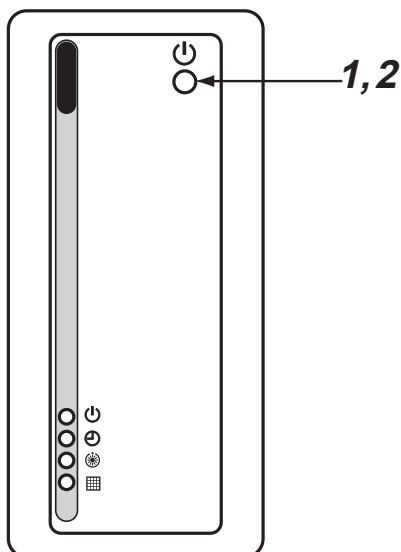
Turn the **(A)** switch to left for 1, 2 and 3, and right for 4, 5 and 6.



10 HOW TO PERFORM EMERGENCY OPERATION

In the following cases, operate the air conditioner in temporary by temporary operation of the signal receiving unit.

- The battery in the remote controller expired.
- A trouble occurred on the remote controller.
- The remote controller have disappeared.



⚠ 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.

1 Start

Push temporary operation.

(If starting the operation when the room temperature is 75°F (24°C) or higher, the mode enters COOL mode. If starting the operation when the room temperature is 75°F (24°C) or lower, the mode enters HEAT mode.)








2 Stop

Push temporary operation once more.

11 BEFORE ASKING FOR REPAIR WORK

Before asking a repair work, check the following items.

Check again		
Phenomenon	Cause	Measures
Operation does not start even if the switch is turned on.	Stopped? or after power failure?	Push ON/OFF 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 Unit] 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 ☼ (cool) and ☀ (heat) or "No Ⓐ"?	Change the operation mode.

Contact the shop which you purchased the air conditioner		
Phenomenon	Possible cause	
Display lamp blinks.		It is a communication error between the signal receiving unit 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 blinking, also tell of its contents.

TOSHIBA CARRIER CORPORATION

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