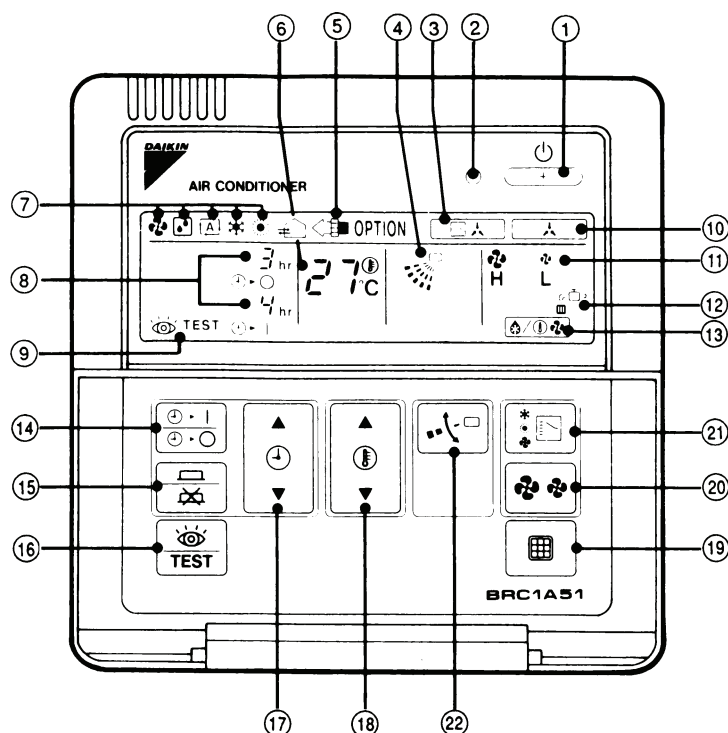


# 1. Remote Controller (Wired Type)

## 1.1 BRC1A61 / BRC1A62

### 1.1.1 Name and Function








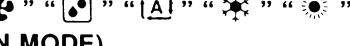





(V0290)

BRC1A61 (51) ... With auto swing	
● Ceiling mounted cassette type <Double flow>	FXC, FXYC (P)
● Ceiling mounted cassette type <Multi-flow>	FXF, FXYF (P)
● Ceiling mounted cassette corner type	FXK, FXYK (P)
● Ceiling suspended type	FXH, FXYH (P)
● Wall mounted type	FXA, FXYA (P)
● New ceiling suspended cassette type	FUYP
BRC1A62 (52) ... Without auto swing	
● Ceiling mounted lce silhouette duct type	FXYD
● Ceiling mounted built-in type	FXS, FXYS (P)
● Ceiling mounted built-in type (Rear suction)	FXYB
● Ceiling mounted duct type	FXM, FXYM (P)
● Floor standing type	FXL, FXYL (P)
● Concealed floor standing type	FXN, FXYLM (P)

#### Note

★BRC1A61, 62...Kits for General market

★BRC1A51, 52...Kits for EC Market

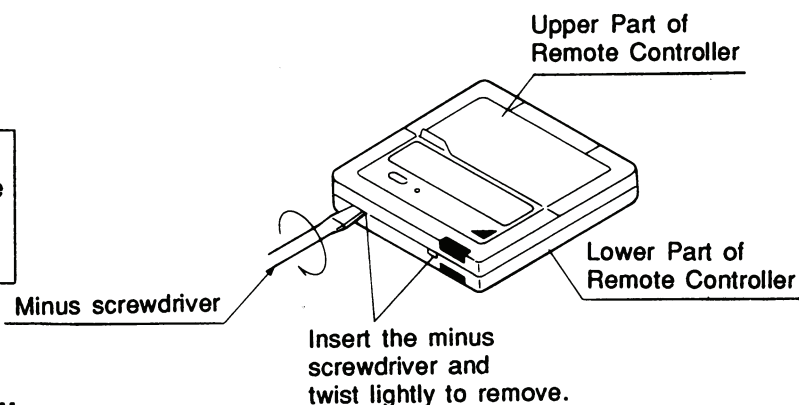
<p>① <b>ON/OFF BUTTON</b></p> <p>Press the button and the system will start. Press the button again and the system will stop.</p>	<p>⑬ <b>DISPLAY “” (DEFROST/HOT START)</b></p>
<p>② <b>OPERATION LAMP (RED)</b></p> <p>The lamp lights up during operation</p>	<p>⑭ <b>TIMER MODE START/STOP BUTTON</b></p>
<p>③ <b>DISPLAY “” (CHANGEOVER UNDER CONTROL)</b></p> <p>It is impossible to changeover heat/cool with the remote controller when it shows this display.</p>	<p>⑮ <b>TIMER ON/OFF BUTTON</b></p>
<p>④ <b>DISPLAY “” (AIR FLOW FLAP)</b></p>	<p>⑯ <b>INSPECTION/TEST OPERATION BUTTON</b></p> <p>This button is used only by qualified service persons for maintenance purposes.</p>
<p>⑤ <b>DISPLAY “ OPTION ” (VENTILATION)</b></p> <p>This display shows that the total heat exchanger (HRV) are in operation.</p>	<p>⑰ <b>PROGRAMMING TIME BUTTON</b></p> <p>Use this button for programming “START and/or STOP” time.</p>
<p>⑥ <b>DISPLAY “ ” (SET TEMPERATURE)</b></p> <p>This display shows the set temperature.</p>	<p>⑱ <b>TEMPERATURE SETTING BUTTON</b></p> <p>Use this button for SETTING TEMPERATURE of the thermostat.</p>
<p>⑦ <b>DISPLAY “” (OPERATION MODE)</b></p> <p>This display shows the current OPERATION MODE.</p>	<p>⑲ <b>FILTER SIGN RESET BUTTON</b></p>
<p>⑧ <b>DISPLAY “ hr ” (PROGRAMMED TIME)</b></p> <p>This display shows PROGRAMMED TIME of the system start or stop.</p>	<p>⑳ <b>FAN SPEED CONTROL BUTTON</b></p> <p>Press this button to select the fan speed, HIGH or LOW, of your choice.</p>
<p>⑨ <b>DISPLAY “ TEST ” (INSPECTION/TEST OPERATION)</b></p> <p>When the INSPECTION/TEST OPERATION BUTTON is pressed, the display shows the system mode is in.</p>	<p>㉑ <b>OPERATION MODE SELECTOR BUTTON</b></p> <p>Press this button to select OPERATION MODE.</p>
<p>⑩ <b>DISPLAY “ ” (UNDER CENTRALIZED CONTROL)</b></p> <p>When this display shows, the system is UNDER CENTRALIZED CONTROL. (This is not a standard specification)</p>	<p>㉒ <b>AIR FLOW DIRECTION ADJUST BUTTON</b></p>
<p>⑪ <b>DISPLAY “ ” (FAN SPEED).</b></p> <p>The display shows the fan speed: “HIGH” or “LOW”.</p>	<p>Note: For the sake of explanation, all indications are shown on the display in figure 1 contrary to actual running situations.</p>
<p>⑫ <b>DISPLAY “ ” (TIME TO CLEAN AIR FILTER)</b></p>	

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## 1. Remove the upper part of remote controller.

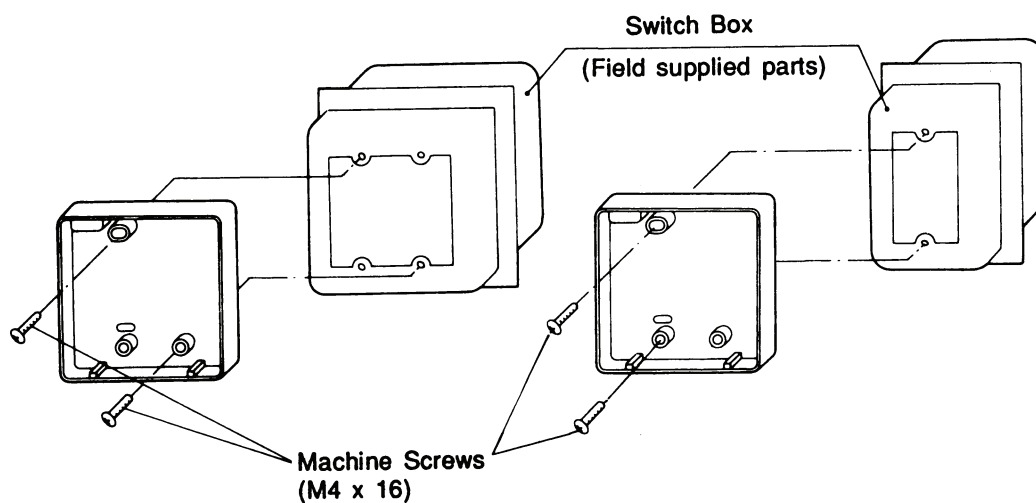
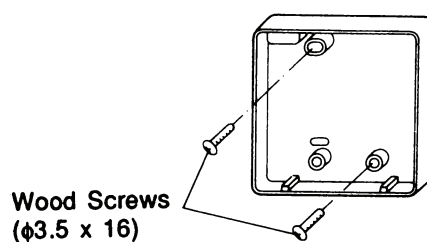
Insert minus screwdriver into the slots in the lower part of remote controller (2 places), and remove the upper part of remote controller.

The PC board is mounted in the upper part of remote controller. Be careful not to damage the board with the minus screwdriver.



## 2. Fasten the remote controller.

- ① For exposed mounting, fasten with the included wood screws (2).
- ② For flush-mounting, fasten with the included machine screws (2).



For the field supplied switch box, use optional accessories KJB111A or KJB211A.

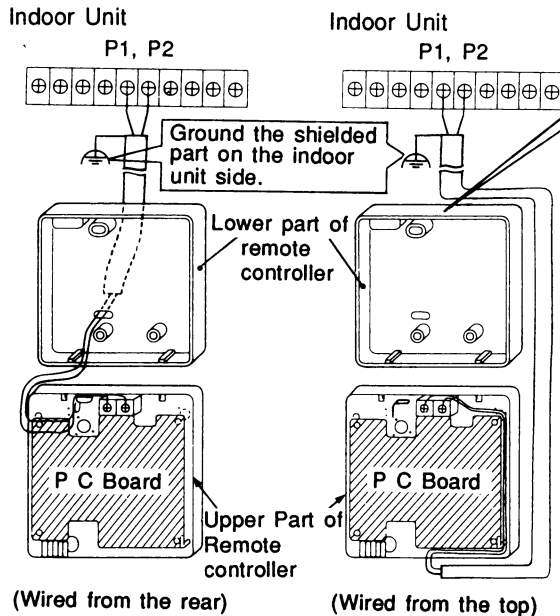
### NOTE

Choose the flattest place possible for the mounting surface. Be careful not to distort the shape of the lower part of remote controller by over-tightening the mounting screws.

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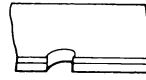
### 3. Wire the indoor unit.

Connect the terminals on top of the upper part of remote controller(P1, P2), and the terminals of the indoor unit (P1, P2). (P1 and P2 do not have polarity.)



#### NOTE

When wiring, run the wiring away the power supply wiring in order to avoid receiving electric noise (external noise).

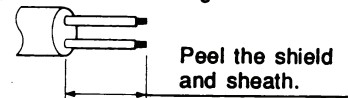


Notch the part for the wiring to pass through with nippers, etc.

#### Wiring Specifications

Wiring Type	Shield Wire (2 wire) (See NOTE 3, 4)
Size	0.75 – 1.25 mm <sup>2</sup>

**NOTE)** 1. Peel the shield and sheath for the part that is to pass through the inside of the remote controller case, as shown in the figure below.



Peel the shield and sheath.

2. Treat the terminal for the wire to be connected to the remote controller so the shielded part doesn't touch any other part.
3. Sheathed wire may be used for transmission wirings, but they do not comply with EMC (Electromagnetic Compatibility) (European Directive). When using sheathed wire, EMC must conform to Japanese standards stipulated in the Electric Appliance Regulatory Act. (If using a sheathed wire, the grounding shown in the figure on the left is unnecessary.)

### 4. Reattach the upper part of remote controller.

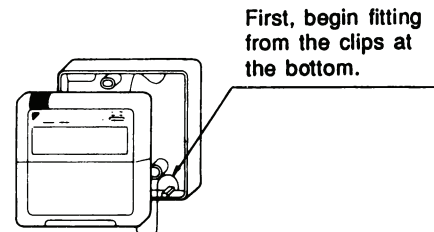
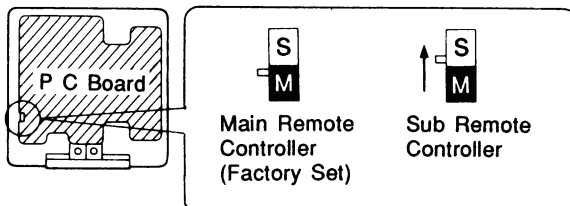
Be careful not to pinch the wiring when attaching.

#### NOTE

1. The switch box and wiring for connection are not included.
2. Do not directly touch the PC board with your hand.

#### If controlling one indoor unit with two remote controllers

Change the MAIN/SUB changeover switch setting as described below.



Set one remote controller to "main," and the other to "sub."

#### NOTE

- If controlling with one remote controller, be sure to set it to "main."
- Set the remote controller before turning power supply on.








"88" is displayed for about one minute when the power supply is turned on, and the remote controller cannot be operated in some cases.

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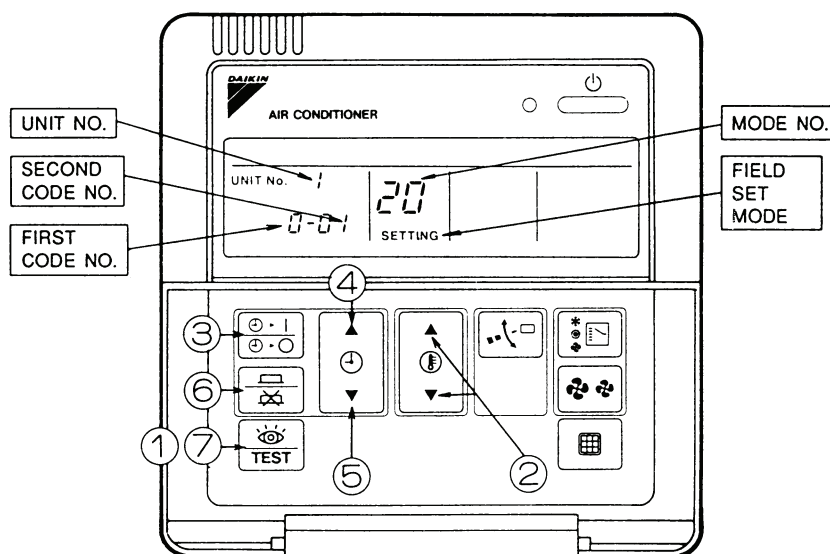
## FIELD SETTING

( If optional accessories are mounted on the indoor unit, the indoor unit setting may have to be changed. Refer to the instruction manual for each optional accessory. )

### Procedure

- ① When in the normal mode, press the "  " button for a minimum of four seconds, and the FIELD SET MODE is entered.
- ② Select the desired MODE NO. with the "  " button.
- ③ During group control, when setting by each indoor unit (mode No. 20, 22 and 23 have been selected), push the "  " button and select the INDOOR UNIT NO to be set. (This operation is unnecessary when setting by group.)
- ④ Push the "  " upper button and select FIRST CODE NO.
- ⑤ Push the "  " lower button and select the SECOND CODE NO.
- ⑥ Push the "  " button once and the present settings are SET.
- ⑦ Push the "  " button to return to the NORMAL MODE.

(Example) If during group setting and the time to clean air filter is set to FILTER CONTAMINATION - HEAVY, SET MODE NO. to "10," FIRST CODE NO. to "0," and SECOND CODE NO. to "02."




Mode No. Note) 1	FIRST CODE No.	Description of Setting	SECOND CODE No. Note) 2		
			01	02	03
10(20)	0	Filter Contamination - Heavy/Light (Setting for spacing time of display time to clean air filter) (Setting for when filter contamination is heavy, and spacing time of display time to clean air filter is to be halved)	Light Approx. 2,500 Hrs. Approx. 200 Hrs.	Heavy Approx. 1,250 Hrs. Approx. 100 Hrs.	—
	2	Thermostat Sensor in Remote Controller (Setting for when thermostat sensor in remote controller is not to be used)	Use	Not Use	—
	3	Spacing Time of Display Time to Clean Air Filter Count (Setting for when the filter sign is not to be displayed)	Display	Do Not Display	—
12(22)	1	ON/OFF Input from Outside (Setting for when forced ON/OFF is to be operated from outside.)	Forced Off	ON/OFF Operation	—
	2	Thermostat Differential Changeover (Setting for when using the remote sensor) FXYC, FXYP, FXYK or FXYH only	1°C	0.5°C	—
13(23)	0	High Air Outlet Velocity (Setting for when installed in a high ceiling) FXYP only	2.7 m or less	More than 2.7 m; 3.0 m or less	More than 3.0 m; 3.5 m or less
	1	Selection of Air Flow Direction (Setting for when a blocking pad kit has been installed) FXYP only	4-way flow	3-way flow	2-way flow
	3	Air Flow Direction Adjust Function (Setting for when using horizontal air outlet only.) FXYK only	Equipped	Not equipped	—

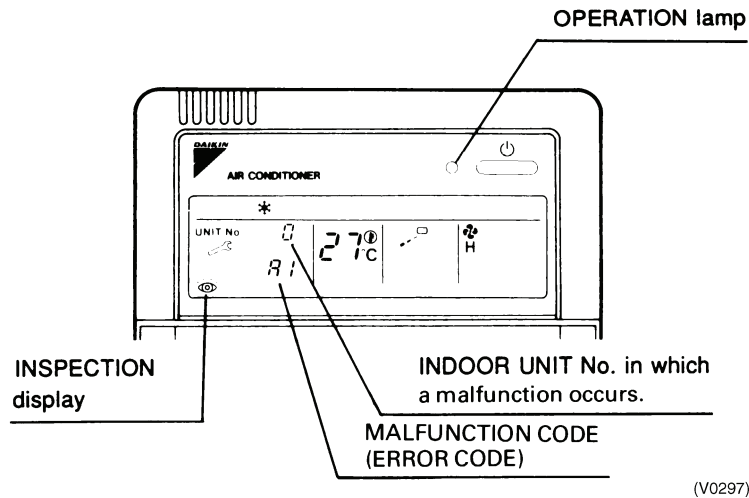
NOTE) 1. Setting is carried out in the group mode, however, if the mode number inside the parentheses is selected, indoor units can also be set individually.  
2. The SECOND CODE number is set to "01" when shipped from the factory.  
3. Do not make any settings not given in the table on the left.  
4. Not displayed if the indoor unit is not equipped with that function.  
5. When returning to the normal mode, "88" may be displayed in the LCD in order for the remote controller to initialize itself.

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## 1.1.2 Trouble Shooting

1. If one of the following malfunctions occurs, take the measures shown below and contact your Daikin dealer. The system must be repaired by a qualified service person.



- If a safety device such as a fuse, a breaker, or an earth leakage breaker frequently actuates, or ON/OFF switch does not properly work.  
**Measure:** Stop the system.
- If water leaks from unit.  
**Measure:** Stop the system.
- If the display “” (INSPECTION), “UNIT No.”, and the OPERATION lamp flash and the “MALFUNCTION CODE (ERROR CODE)” appears.



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**Measure:** Notify your Daikin dealer and inform him/her of the display.

2. If the system does not properly operate except for the above mentioned case, and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.

1. If the system does not operate at all.
  - Check if there is a power failure.  
If power failure occurs during operation, the system automatically restarts immediately after the power supply recovers.
2. The system goes into FAN OPERATION, but as soon as it goes into HEATING or COOLING OPERATION, the system stops
  - Check if the air inlet or outlet of outdoor or indoor unit is blocked by obstacles.
  - Check if the remote controller display shows “” (TIME TO CLEAN AIR FILTER). Ask a qualified service person to clean the air filters.
3. The system operates but it does not sufficiently cool or heat.  
Check the below matters.
  - If the thermostat setting is too high or too low.
  - If the air inlet or outlet of the indoor or the outdoor unit is blocked with obstacles.
  - If the doors or the windows are open.
  - If the FAN SPEED button is set to LOW SPEED “”.
  - If there are too many occupants in the room during cooling operation.
  - If the heat source of the room is excessive.
  - If direct sunlight enters the room.

### 3. Display of Malfunction (Error) Codes

#### 1. Diagnosis by liquid crystal display of remote controller

When the operation is stopped due to trouble, “ ” and error code are displayed. In such a case, diagnosis the fault contents by using the table below, the unit No. is displayed at group controlling, which makes it possible to know the indoor unit No. which is in trouble.

#### 2. Diagnosis by monitor of micro computer [LED-A (GREEN)]

LED: Flickering — Normal      LED: ON or OFF — Error

#### 3. Diagnosis by monitor of connection between indoor and outdoor/BS unit (LED 10 (Red) on indoor printed circuit board)

LED: OFF — Normal      LED: ON — Error (connecting wiring failure)

#### LIST OF MALFUNCTION (ERROR) CODES

Div.	Error codes	Error contents	Div.	Error codes	Error contents
Indoor unit error	A 0	Operation of protective unit	Outdoor unit error	L 0	Inverter error
	A 1	Printed circuit board error		L 4	Inverter cooling error
	<b>A 1</b>	Printed circuit board error		L 5	Short-circuit in compressor motor, short-circuit in power unit
	A 3	Drain level (33H) error		L 6	Short-circuit in compressor motor, short-circuit
	A 6	Fan motor locking, overload		L 8	Over load in compressor, disconnection compressor motor
	<b>A 7</b>	Swing flap motor (M1S) error		L 9	Locking in compressor
	A 9	Electronic expansion valve drive unit (Y1E) error		LA	Power unit error
	<b>A F</b>	Drain level (33H) error (Indoor unit is stopping)		LC	Transmission error between inverter and outdoor unit
	A J	Cupacity setting error		P 1	Voltage unbalance, open phase
	C 4	Liquid pipe thermistor (R2T) error		P 4	Power unit temperature sensor error
	C 5	Gas pipe thermistor (R3T) error	System error	<b>U 0</b>	Pressure drop due to insufficient refrigerant electronic expansion valve
	C 9	Suction air thermistor (R1T) error		U 1	Perverse phase, open phase
	<b>C J</b>	Remote controller thermistor error		U 2	Voltage error, instantaneous power interruption
Outdoor unit error	E 0	Operation of protective unit		U 4	Transmission error between indoor unit and outdoor/BS unit
	E 1	Printed circuit board error		U 4	Transmission error between outdoor unit and BS unit
	<b>E 1</b>	Printed circuit board error		U 5	Transmission error between remote controller and indoor unit
	E 3	Operation of high pressureswitch		U 5	Printed circuit board error or setting error of remote controller
	E 4	Operation of low pressureswitch		U 7	Transmission error between outdoor units
	E 9	Electronic expansion valve drive unit (Y1E) error		<b>U 7</b>	Transmission error between outdoor units(unified cooling/heating, low noise operation)
	F 3	Discharge pipe temperature error		U 8	Transmission error between main remote controller and sub remote controller
	<b>H 3</b>	High pressure switch error		U 9	Transmission error between another indoor unit and outdoor unit within same system
	H 4	Operation of low pressureswitch		U A	Combination error of indoor unit/BS unit/outdoor unit (model No, etc) Combination error of indoor unit/remote controller Connected location error of BS unit
	H 9	Outdoor air thermistor (R1T) error		<b>U C</b>	Address duplication of central remote controller
	<b>H 9</b>	Outdoor air thermistor (R1T) error		U E	Transmission error between indoor unit and central remote controller
	J 1	Pressur sensor error		U F	Wiring circuit does not correspond to refrigerant circuit
	J 3	Discharge pipe thermistor (R3T) error		U H	Miss wiring
	<b>J 3</b>	Discharge pipe thermistor (R3T) error			
	J 5	Suction pipe thermistor (R4T) error			
	J 6	Heat exchanger's thermistor (R2T) error			
	<b>J 6</b>	Heat exchanger's thermistor (R2T) error			
	J A	Discharge pipe pressure sensor error			
	J C	Suction pipe pressure sensor error			
	<b>J H</b>	Oil thermistor error			

As for error codes blanked with white, be sure to check and repair, though system may be operated without displaying “ ”  
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