

TECHNICAL & SERVICE MANUAL

CITY MULTI Series

Wall Mounted

R410A

Indoor unit
[Model Name]

[Service Ref.]

PKFY-P24NKMU-E2

PKFY-P24NKMU-E2R1.TH

PKFY-P30NKMU-E2

PKFY-P30NKMU-E2R1.TH

Note:

- This manual describes only service data of the indoor units.



INDOOR UNIT

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PARTS CATALOG (OCB848)

CITY MULTI

Use the specified refrigerant only.

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.

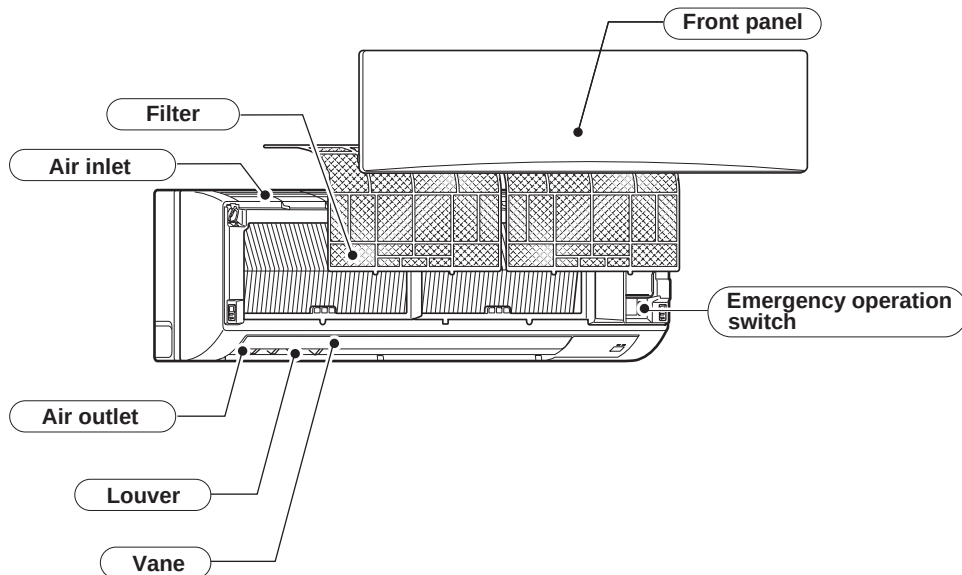
Correct refrigerant is specified in the manuals and on the spec labels provided with our products.

We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

1

PART NAMES AND FUNCTIONS

• Indoor unit



Refer to "8-1. REMOTE CONTROLLER FUNCTIONS" for details.

2-1. Specifications

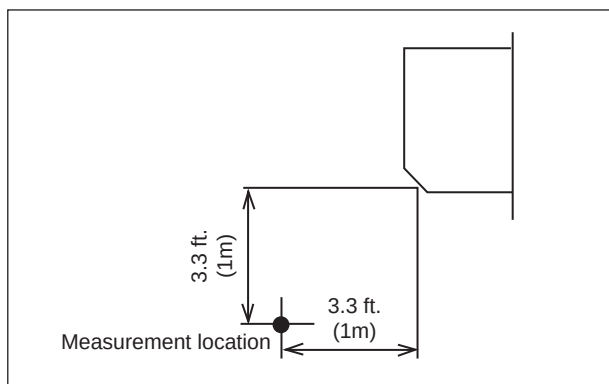
Service Ref.			PKFY-P24NKMU-E2R1.TH		PKFY-P30NKMU-E2R1.TH	
Item						
Power source			Single phase 208-230 V 60 Hz			
Cooling capacity (Nominal)	*1	kW	7.0		8.8	
	*1	Btu/h	24,000		30,000	
	Power input	kW	0.07		0.07	
	Current input	A	0.50		0.50	
Heating capacity (Nominal)	*2	kW	7.9		10.0	
	*2	Btu/h	27,000		34,000	
	Power input	kW	0.07		0.07	
	Current input	A	0.50		0.50	
External finish			Plastic, MUNSELL (1.0Y 9.2/0.2)			
External dimension H × W × D		mm	365 × 1170 × 295			
		in.	14-3/8" × 46-1/16" × 11-5/8"			
Net weight		kg (lbs)	21 (46)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)			
Fan	Type × Quantity		Line flow fan × 1			
	External static press.	Pa	0			
		mmH ₂ O	0			
	Motor type		DC motor			
	Motor output	kW	0.069			
	Driving mechanism		Direct-drive			
	Airflow rate (Low-High)	m ³ /min	16 - 26	20 - 26		
		L/s	267 - 433	333 - 433		
		cfm	570 - 920	710 - 920		
Noise level (Low-High) (measured in anechoic room)		dB <A>	39 - 49	43 - 49		
Insulation material			Polyethylene sheet			
Air filter			PP honeycomb			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI		R410A CITY MULTI	
Diameter of refrigerant pipe	Liquid	mm (in.)	ø9.52 (ø3/8") Flare		ø9.52 (ø3/8") Flare	
	Gas	mm (in.)	ø15.88 (ø5/8") Flare		ø15.88 (ø5/8") Flare	
Field drain pipe size		mm (in.)	I.D. 16mm (5/8")			
Standard attachment	Document	Installation Manual, Instruction Book				
	Accessory					
Optional parts	External heater adapter		PAC-YU25HT			
Remarks	Installation		Details on foundation work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.			
Note : *1 Nominal cooling conditions *2 Nominal heating conditions Indoor : 80°FDB/67°F WB (26.7°CDB/19.4°CWB) Outdoor : 95°FDB (35°CDB) Pipe length : 25 ft. (7.6 m) Level difference : 0 ft (0 m) 70°FDB(21°CDB) 47°FDB/43°F WB (8.3°CDB/6.1°CWB) 25 ft. (7.6 m) 0 ft (0 m)						
Unit converter kcal/h = kW × 860 Btu/h = kW × 3,412 cfm = m³/min × 35.31 lb = kg/0.4536 *Above specification data is subject to rounding variation.						
* Due to continuing improvement, above specification may be subject to change without notice.						

* Due to continuing improvement, above specification may be subject to change without notice.

2-2. Electrical parts specifications

Service Ref.	Symbol	PKFY-P24NKMU-E2R1.TH	PKFY-P30NKMU-E2R1.TH
Parts name			
Room temperature thermistor	TH21	Resistance 30°F/15.8 kΩ, 50°F/9.6 kΩ, 70°F/6.0 kΩ, 80°F/4.8 kΩ, 90°F/3.9 kΩ, 100°F/3.2 kΩ	
Liquid pipe thermistor	TH22	Resistance 30°F/15.8 kΩ, 50°F/9.6 kΩ, 70°F/6.0 kΩ, 80°F/4.8 kΩ, 90°F/3.9 kΩ, 100°F/3.2 kΩ	
Gas pipe thermistor	TH23 TH24	Resistance 30°F/15.8 kΩ, 50°F/9.6 kΩ, 70°F/6.0 kΩ, 80°F/4.8 kΩ, 90°F/3.9 kΩ, 100°F/3.2 kΩ	
Fuse (Indoor controller board)	FUSE	250 V 3.15 A	
Fan motor	MF	8-Pole Output 69 W RCOJ56-AM	
Vane motor (with limit switch)	MV	MSBPC20 DC12 V	
Linear expansion valve	LEV	EFM-40YGME DC 12 V	EFM-80YGME DC 12 V
Power supply terminal block	TB2	(L1, L2) 250 V 20 A	
Transmission terminal block	TB5	(M1, M2, S) 250 V 20 A	
MA remote controller terminal block	TB15	(1, 2) 250 V 10 A	

2-3. Sound levels



Sound level at anechoic room : Low-High	
Service Ref.	Sound level dB (A)
PKFY-P24NKMU-E2R1.TH	39 - 49
PKFY-P30NKMU-E2R1.TH	43 - 49

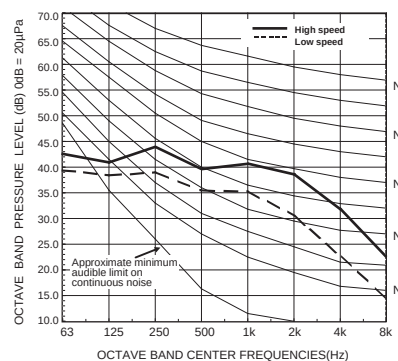
* Measured in anechoic room.

2-4. NC curves

PKFY-P24NKMU-E2R1

External static pressure : 0 Pa

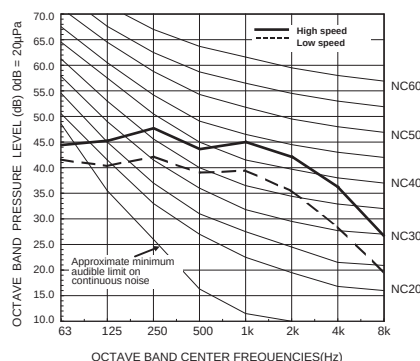
Power source : 208,230 V, 60 Hz

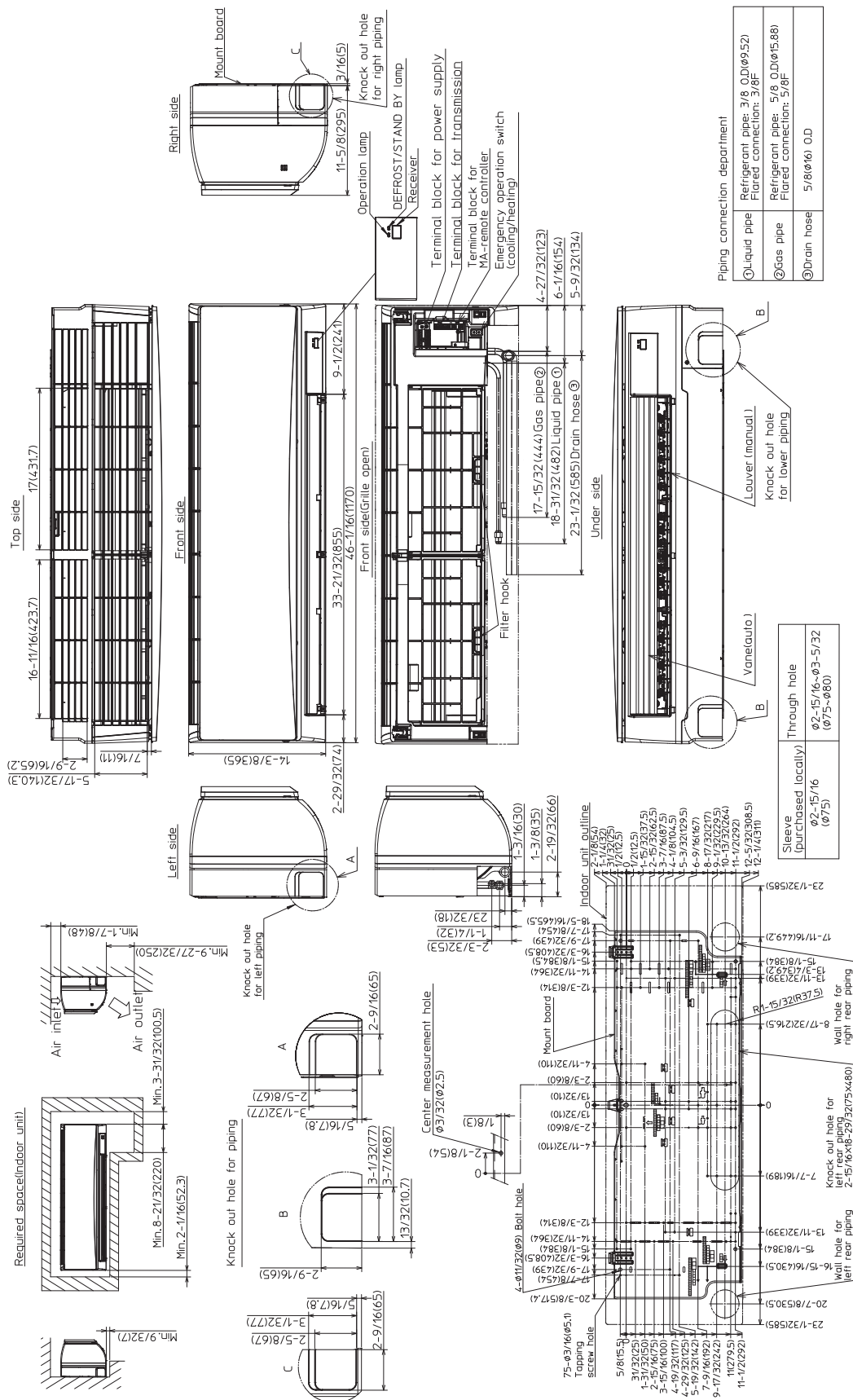


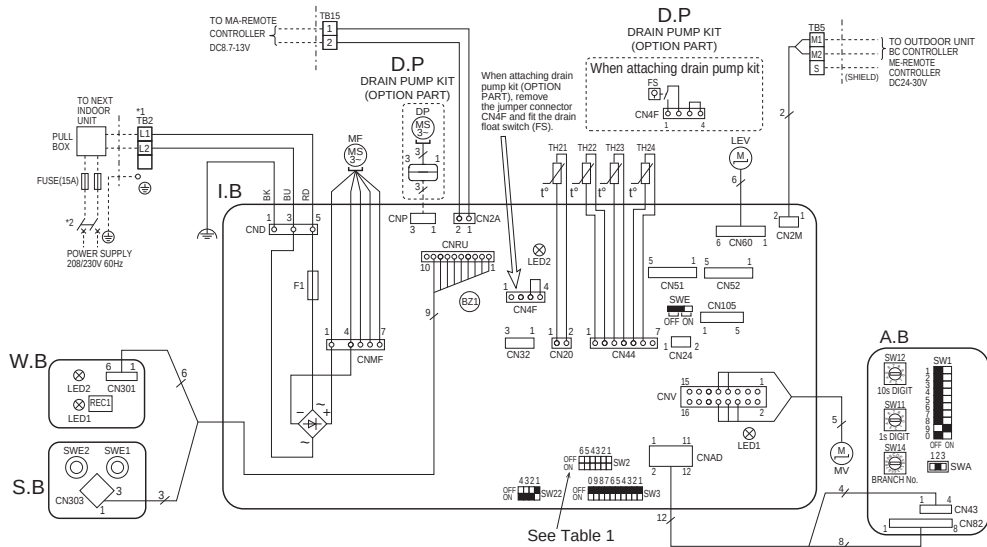
PKFY-P30NKMU-E2R1

External static pressure : 0 Pa

Power source : 208,230 V, 60 Hz







<Table 1>

Models	SW2
24	OFF ON 654321
30	OFF ON 654321

[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
I.B	INDOOR CONTROLLER BOARD	TH23	THERMISTOR PIPE TEMP. DETECTION / GAS1 (0°C/15kΩ, 25°C/5.4kΩ)
CN32	CONNECTOR REMOTE SWITCH	TH24	PIPE TEMP. DETECTION / GAS2 (0°C/15kΩ, 25°C/5.4kΩ)
CN51	CENTRALLY CONTROL	A.B	ADDRESS BOARD
CN52	REMOTE INDICATION	SWA	SWITCH FAN SPEED SELECTOR
CN105	IT TERMINAL	SW1	MODE SELECTION
BZ1	BUZZER	SW11	ADDRESS SETTING 1s DIGIT
F1	FUSE (T3, 15AL 250V)	SW12	ADDRESS SETTING 10s DIGIT
SW2	SWITCH CAPACITY CODE	SW14	BRANCH No.
SW3	MODE SELECTION	S.B	SWITCH BOARD
SW22	PAIR NO. SETTING	SWE1	EMERGENCY OPERATION(HEAT)
SWE	DRAIN PUMP(TEST MODE)	SWE2	EMERGENCY OPERATION(COOL)
LEV	LINEAR EXPANSION VALVE	W.B	PCB FOR WIRELESS REMOTE CONTROLLER
MF	FAN MOTOR	LED1	LED(OPERATION INDICATOR : GREEN)
MV	VANE MOTOR	LED2	LED(PREPARATION FOR HEATING : ORANGE)
TB2	TERMINAL POWER SUPPLY	REC1	RECEIVING UNIT
TB5	BLOCK TRANSMISSION	D.P	DRAIN PUMP KIT (OPTIONAL PARTS)
TB15	MA-REMOTE CONTROLLER	DP	DRAIN PUMP
TH21	THERMISTOR ROOM TEMP. DETECTION (0°C/15kΩ, 25°C/5.4kΩ)	FS	DRAIN FLOAT SWITCH
TH22	PIPE TEMP. DETECTION / LIQUID (0°C/15kΩ, 25°C/5.4kΩ)		

NOTES:

- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- In case of using MA-Remote controller, please connect to TB15. (Remote controller wire is non-polar.)
- In case of using M-NET, please connect to TB5. (Transmission line is non-polar.)
- Symbol [S] of TB5 is the shield wire connection.
- Symbols used in wiring diagram are:
 : terminal block, : connector.
 The setting of the SW2 dip switches differs in the capacity, for the detail, see Table 1.
- The black square (■) in the wiring diagram indicates a switch position.

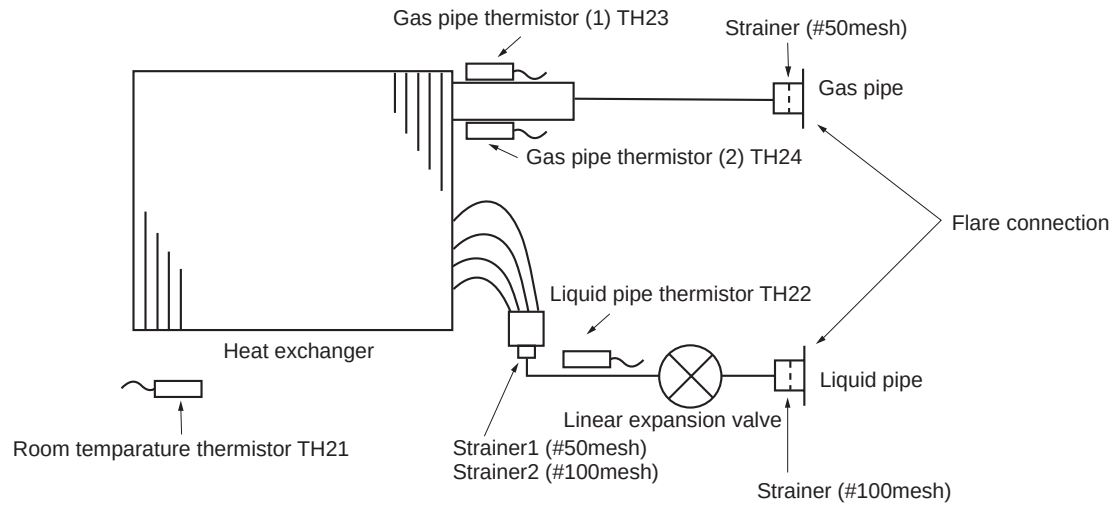
*1 Use copper supply wires.

Utiliser des fils d'alimentation en cuivre.

*2 A disconnect should be required by local code.
 Se procurer un sectionneur conforme aux réglementations locales.

LED on indoor board for service

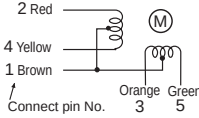
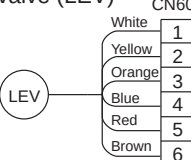
Mark	Meaning	Function
LED1	Main power supply	Main power supply (Indoor unit: 208/230V 60Hz) Power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit



Unit : mm (in.)

Item	Service Ref.	
	PKFY-P24NKMU-E2R1	PKFY-P30NKMU-E2R1
Gas pipe	ø15.88 (5/8)	ø15.88 (5/8)
Liquid pipe	ø9.52 (3/8)	ø9.52 (3/8)

6-1. HOW TO CHECK THE PARTS

Parts name	Checkpoints				
Room temperature thermistor (TH21)	Disconnect the connector then measure the resistance with a tester. (At the ambient temperature 50°F~86°F)				
Liquid pipe temperature thermistor (TH22)	Refer to 7-1-1.				
Gas pipe temperature thermistor (TH23 ,24)					
	Normal	Abnormal			
	4.3 kΩ~9.6 kΩ	Open or short			
Vane motor (MV)	Measure the resistance between the terminals with a tester. (Coil temperature 68°F)				
	Normal				Abnormal
	1-2 Brown-Red	1-3 Brown-Orange	1-4 Brown-Yellow	1-5 Brown-Green	Open or short
	250 Ω ± 7%				
Fan motor (MF)	Refer to 7-1-3.				
Linear expansion valve (LEV)	Disconnect the connector then measure the resistance value with a tester. (Coil temperature 68°F)				
	Normal				Abnormal
	1-5 White-Red	2-6 Yellow-Brown	3-5 Orange-Red	4-6 Blue-Brown	Open or short
	200 Ω ± 10%				

6-1-1. Thermistor

<Thermistor characteristic graph>

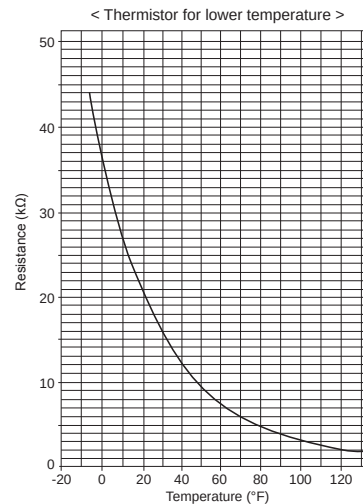
Thermistors for lower temperature

Room temperature thermistor (TH21)
 Liquid pipe temperature thermistor (TH22)
 Gas pipe temperature thermistor (TH23) (TH24)

Thermistor $R_0 = 15 \text{ k}\Omega \pm 3\%$
 Fixed number of $B = 3480 \pm 1\%$

$$R_t = 15 \exp \left\{ 3480 \left(\frac{1}{273 + (t - 32)/1.8} - \frac{1}{273} \right) \right\}$$

30°F	15.8 kΩ
50°F	9.6 kΩ
70°F	6.0 kΩ
80°F	4.8 kΩ
90°F	3.9 kΩ
100°F	3.2 kΩ

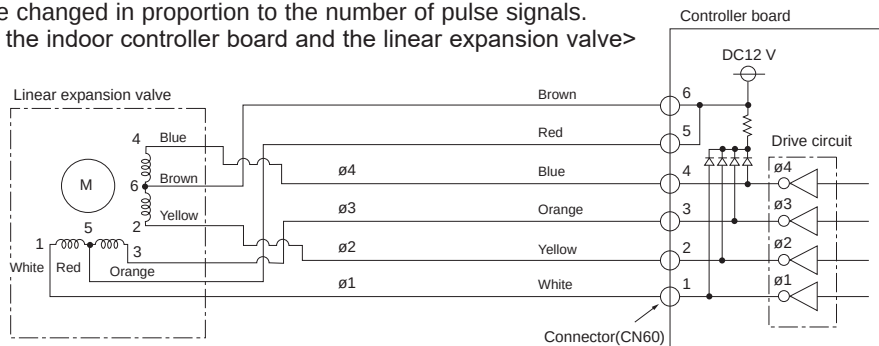


6-1-2. Liner expansion valve

① Operation summary of the linear expansion valve

- Linear expansion valve open/close through stepping motor after receiving the pulse signal from the indoor controller board.
- Valve position can be changed in proportion to the number of pulse signals.

<Connection between the indoor controller board and the linear expansion valve>



<Output pulse signal and the valve operation>

Output (Phase)	Output			
	1	2	3	4
ø1	ON	OFF	OFF	ON
ø2	ON	ON	OFF	OFF
ø3	OFF	ON	ON	OFF
ø4	OFF	OFF	ON	ON

The output pulse shifts in the following order.

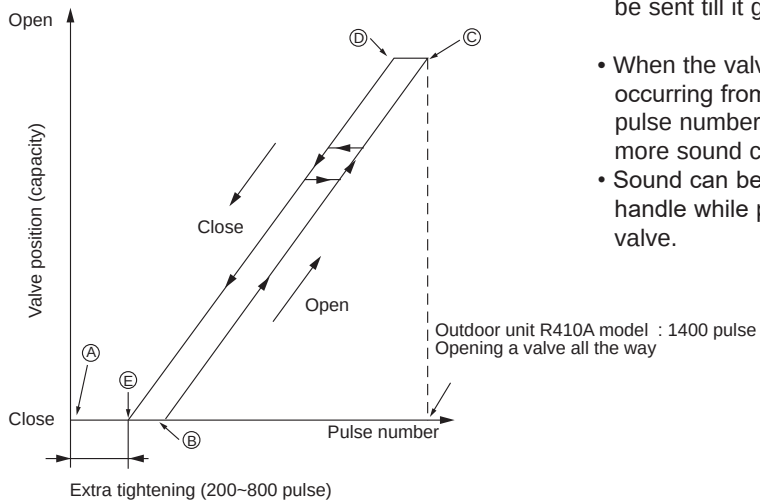
Closing a valve : 1 → 2 → 3 → 4 → 1

Opening a valve : 4 → 3 → 2 → 1 → 4

Note:

- When linear expansion valve operation stops, all output phase become OFF.
- At phase interruption or when phase does not shift in order, motor does not rotate smoothly and motor will lock and vibrate.
- When the switch is turned on, 2200 pulse closing valve signal will be sent till it goes to point ① in order to define the valve position.
- When the valve moves smoothly, there is no sound or vibration occurring from the linear expansion valves, however, when the pulse number moves from ⑤ to ① or when the valve is locked, more sound can be heard than in a normal situation.
- Sound can be detected by placing the ear against the screw driver handle while putting the screw driver tip to the linear expansion valve.

② Linear expansion valve operation

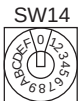
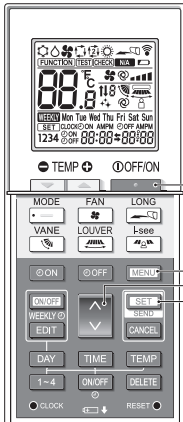
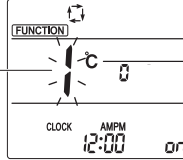
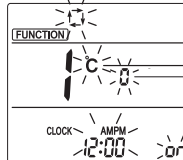


③ Trouble shooting

Symptom	Checkpoints	Countermeasures
Operation circuit failure of the micro processor	Disconnect the connector on the controller board, then connect LED for checking. 1kΩ LED When power is turned on, pulse signals will be output for 10 seconds. There must be some defects in the operation circuit if the LED does not light while the signals are output or keeps lighting even after the signals stop.	Exchange the indoor controller board at drive circuit failure.
Linear expansion valve mechanism is locked.	Motor will idle and make a ticking noise when the motor is operated while the linear expansion valve is locked. This ticking sound is the sign of the abnormality.	Exchange the linear expansion valve.
Short or breakage of the motor coil of the linear expansion valve	Measure the resistance between each coil (white-red, yellow-brown, orange-red, blue-brown) using a tester. It is normal if the resistance is in the range of 200 Ω ±10%.	Exchange the linear expansion valve.
Valve does not close completely.	To check the linear expansion valve, operate the indoor unit in fan mode and at the same time operate other indoor units in cooling mode, then check the pipe temperature <liquid pipe temperature> of the indoor unit by the outdoor multi controller board operation monitor. During fan operation, linear expansion valve is closed completely and if there is any leaking, detecting temperature of the thermistor will go lower. If the detected temperature is much lower than the temperature indicated in the remote controller, it means the valve is not closed all the way. It is not necessary to exchange the linear expansion valve, if the leakage is small and not affecting normal operation. Thermistor (Liquid pipe) Linear expansion valve	If large amount of refrigerant is leaked, exchange the linear expansion valve.
Wrong connection of the connector or contact failure	Check the color of lead wire and missing terminal of the connector.	Disconnect the connector at the controller board, then check the continuity.

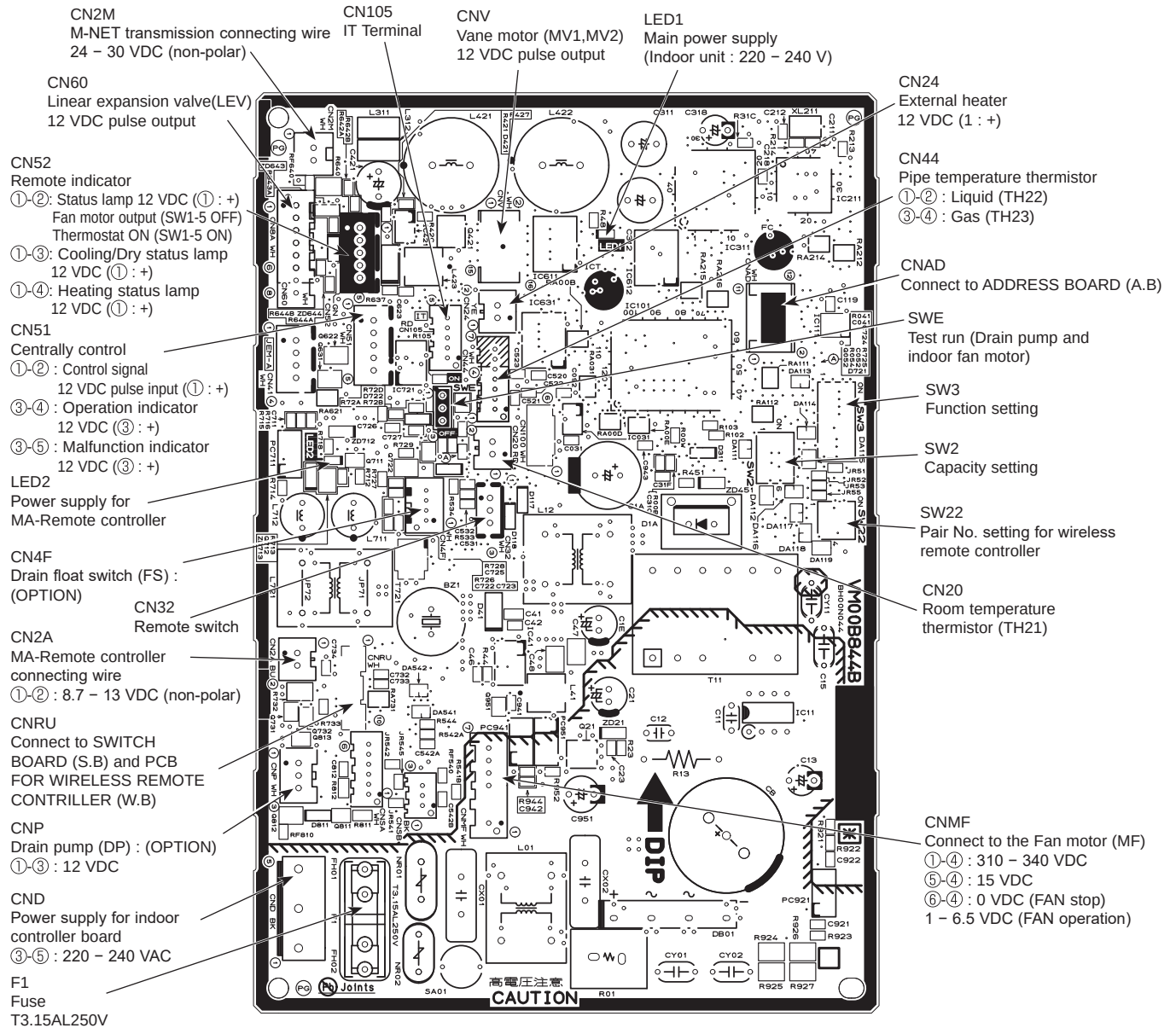
6-2. Function of Dip switch

Switch	Pole	Function	Operation by switch		Effective timing	Remarks															
			ON	OFF																	
SW1 Mode selection	1	Thermistor<Room temperature> position	Built-in remote controller	Indoor unit	Under suspension	Address board <Initial setting> ON OFF 12345678910 NOTE: *1 <table><tr><td>SW1-7</td><td>SW1-8</td><td>Fan speed</td></tr><tr><td>OFF</td><td>OFF</td><td>Extra low</td></tr><tr><td>ON</td><td>OFF</td><td>Low</td></tr><tr><td>OFF</td><td>ON</td><td>Setting air flow</td></tr><tr><td>ON</td><td>ON</td><td>Stop</td></tr></table> *2 It is impossible to intake the fresh air.	SW1-7	SW1-8	Fan speed	OFF	OFF	Extra low	ON	OFF	Low	OFF	ON	Setting air flow	ON	ON	Stop
	SW1-7	SW1-8	Fan speed																		
	OFF	OFF	Extra low																		
	ON	OFF	Low																		
	OFF	ON	Setting air flow																		
	ON	ON	Stop																		
	2	Filter clogging detection	Provide	Not provide																	
	3	Filter cleaning sign	2,500 hr	100 hr																	
	4	Fresh air intake *2	Not effective	Not effective																	
	5	Remote indication switching	Thermo ON signal indication	Fan output indication																	
6	—	—	—																		
7	Air flow set in case of heat thermo OFF	Low *1	Extra low *1																		
8		Setting air flow *1	Depends on SW1-7																		
9	Auto restart function	Effective	Not effective																		
10	Power ON/OFF by breaker	Effective	Not effective																		
SW2 Capacity code switch	1~6	<table><tr><th>Models</th><th>SW2</th></tr><tr><td rowspan="2">P24</td><td> ON OFF 123456 </td></tr><tr><td> ON OFF 123456 </td></tr><tr><td rowspan="2">P30</td><td> ON OFF 123456 </td></tr><tr><td> ON OFF 123456 </td></tr></table>	Models	SW2	P24	ON OFF 123456	ON OFF 123456	P30	ON OFF 123456	ON OFF 123456	Before power supply ON	Indoor controller board									
Models	SW2																				
P24	ON OFF 123456																				
	ON OFF 123456																				
P30	ON OFF 123456																				
	ON OFF 123456																				
SW3 Function selection	1	Heat pump/Cool only	Cooling only	Heat pump	Under suspension	Indoor controller board <Initial setting> ON OFF 1234567890 *1 Second setting is same as first setting.															
	2	Not used	—	—																	
	3	Not used	—	—																	
	4	Not used	—	—																	
	5	Vane horizontal angle	Second setting *1	First setting																	
	6	Not used	—	—																	
	7	Indoor linear expansion valve opening	Effective	Not effective																	
	8	Heating 4 degree up	Not effective	Effective																	
	9	Not used	—	—																	
	0	Not used	—	—																	

Switch		Operation by switch	Effective timing	Remarks																																								
SW11 1s digit address setting SW12 10ths digit address setting	Rotary Switch	SW12  SW11  How to set addresses Example : If address is "3", remain SW12 (for over 10) at "0", and match SW11 (for 1 to 9) with "3".	Before power supply ON	Address board <Initial setting> SW12  SW11 																																								
SW14 Branch No. Setting	Rotary switch	SW14  How to set branch numbers SW14 (Series R2 only) Match the indoor unit's refrigerant pipe with the BC controller's end connection number. Remain other than series R2 at "0".		Address board <Initial setting> SW14 																																								
SW22 Function selection	Switch	<table border="1"><thead><tr><th></th><th>Function</th><th>ON</th><th>OFF</th></tr></thead><tbody><tr><td>1</td><td>—</td><td>—</td><td>—</td></tr><tr><td>2</td><td>—</td><td>—</td><td>—</td></tr><tr><td>3</td><td>Pair No. of wireless remote controller</td><td colspan="2" rowspan="2">Depends on SW22-3, 22-4</td></tr><tr><td>4</td><td>Pair No. of wireless remote controller</td></tr></tbody></table> - To operate each indoor unit by each remote controller when installed 2 indoor units or more are near, Pair No. setting is necessary. - Pair No. setting is available with the 4 patterns. - Make setting for SW22-3, 22-4 of indoor controller board and the Pair No. of wireless remote controller. - Pair No. setting is not set necessarily when operating it by one remote controller. ①Setting for indoor unit - Set SW22-3, 22-4 on the indoor controller board according to the table below. ②Wireless remote controller pair number: - Setting operation (Fig. 1 A) - Press the  button ① to stop the air conditioner. - Press the  button ②. - Check that function No."1" is displayed, and then press the  button ③. The Screen display setting screen will be displayed. (Fig. 2.) - Pair No. changing operation (Fig. 2 B) - Press the  button ④. - Each time the  button ④ is pressed, the pair No.0-3 changes. - Press the  button ③ to check the setting. - Press the  button ②. <table border="1"><thead><tr><th colspan="2">Indoor unit SW22</th><th rowspan="2">Pair No. of wireless remote controller</th><th rowspan="2"></th></tr><tr><th>SW22-3</th><th>SW22-4</th></tr></thead><tbody><tr><td>ON</td><td>ON</td><td>0</td><td>Initial setting</td></tr><tr><td>OFF</td><td>ON</td><td>1</td><td>—</td></tr><tr><td>ON</td><td>OFF</td><td>2</td><td>—</td></tr><tr><td>OFF</td><td>OFF</td><td>3-9</td><td>—</td></tr></tbody></table>		Function	ON	OFF	1	—	—	—	2	—	—	—	3	Pair No. of wireless remote controller	Depends on SW22-3, 22-4		4	Pair No. of wireless remote controller	Indoor unit SW22		Pair No. of wireless remote controller		SW22-3	SW22-4	ON	ON	0	Initial setting	OFF	ON	1	—	ON	OFF	2	—	OFF	OFF	3-9	—	Under operation or suspension	<Initial setting>   Fig. 1  Fig. 2
	Function	ON	OFF																																									
1	—	—	—																																									
2	—	—	—																																									
3	Pair No. of wireless remote controller	Depends on SW22-3, 22-4																																										
4	Pair No. of wireless remote controller																																											
Indoor unit SW22		Pair No. of wireless remote controller																																										
SW22-3	SW22-4																																											
ON	ON	0	Initial setting																																									
OFF	ON	1	—																																									
ON	OFF	2	—																																									
OFF	OFF	3-9	—																																									
SWE Test run for Drain pump	Connector	Drain pump and fan are activated simultaneously after the connector SWE is set to ON and turn on the power. SWE  OFF ON → SWE  OFF ON The connector SWE is set to OFF after test run.	Under operation	<Initial setting> SWE  OFF ON																																								

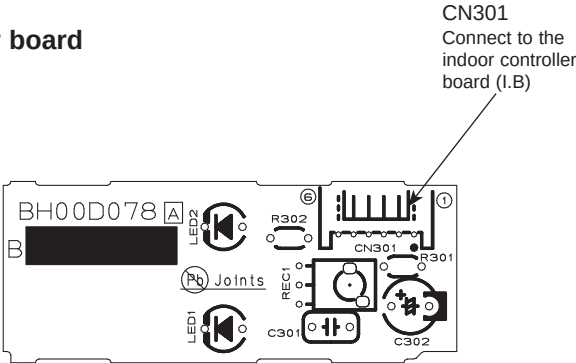
6-3. TEST POINT DIAGRAM

6-3-1. Indoor controller board

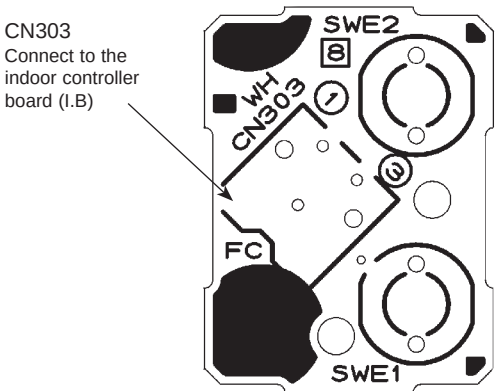


Note: The voltage range of 12 VDC in this page is between 11.5 to 13.7 VDC.

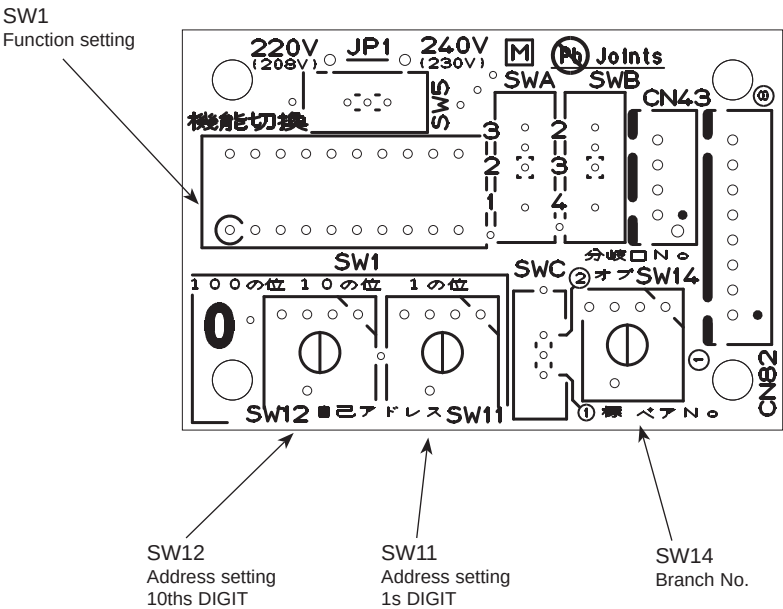
6-3-2. Wireless remote controller board



6-3-3. Switch board



6-3-4. Address board



————> : Indicates the visible parts in the photos/figures.
 -----> : Indicates the invisible parts in the photos/figures.

NOTE: Turn OFF the power supply before disassembly.
 Be careful when removing heavy parts.

OPERATION PROCEDURE

PHOTOS/FIGURES

1. REMOVING THE PANEL

- (1) Press and unlock the knobs on both sides of the front grille and lift the front grille until it is level. Pull the hinges forward to remove the front grille. (See Photo 1)
- (2) Remove 3 screw caps of the panel. Remove 5 screws. (See Photo 1)
- (3) Unfix 3 hooks. (See Figure 1)
- (4) Hold the lower part of both ends of the panel and pull it slightly toward you, and then remove the panel by pushing it upward.
- (5) Remove the screw of the corner box. (See Photo 1)
 Remove the corner box.

Photo 1

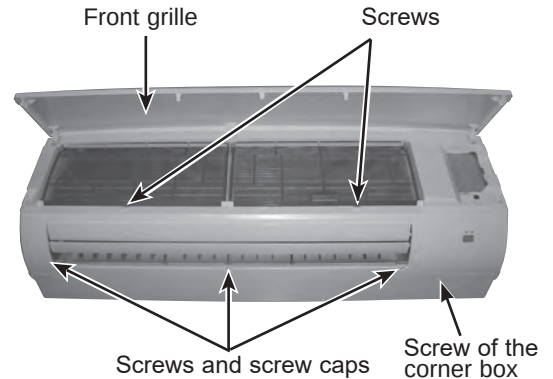
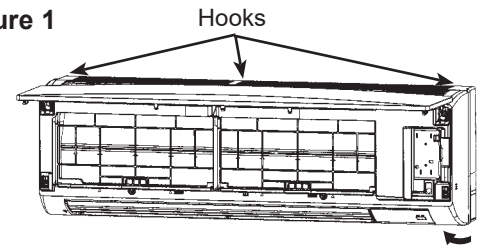


Figure 1



2. REMOVING THE ADDRESS BOARD, THE INDOOR CONTROLLER BOARD, THE WIRELESS CONTROLLER BOARD

- (1) Remove the panel and the corner box. (Refer to procedure 1)
- (2) Remove the screw and hook of address board case. (See Photo 2)
- (3) Disconnect the connectors of address board.
- (4) Remove the front and side electrical box covers (each 1 screw).
- (5) Disconnect the connectors on the indoor controller board. (See Photo 3)
- (6) Remove the switch board holder and open the cover.
- (7) Pull out the indoor controller board toward you then remove the indoor controller board and switch board. (See Photo 3)
- (8) Remove the holder of wireless remote controller board.
- (9) Disconnect the connector of wireless remote controller board and remove the wireless remote controller board from the holder.

Photo 2

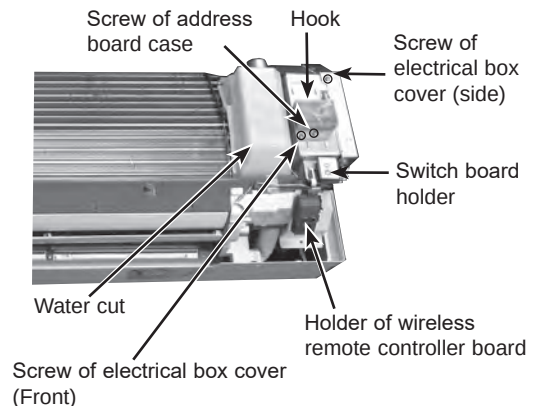
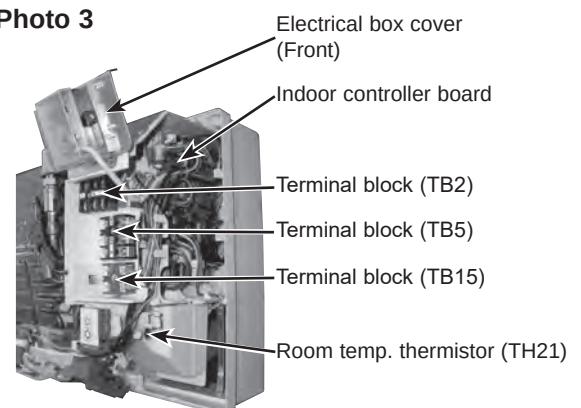
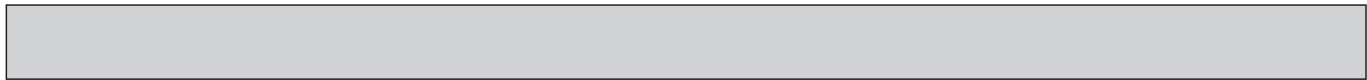


Photo 3





OPERATION PROCEDURE	PHOTOS/FIGURES
3. REMOVING THE ELECTRICAL BOX (1) Remove the panel and the corner box. (Refer to procedure 1) (2) Remove the screw and hook of address board case. (3) Remove the front and side electrical box covers (each 1 screw). (4) Remove the transmission wiring of TB5, the power supply wiring of TB2 and the wiring of MA-remote controller (TB15). (5) Disconnect the connectors on the indoor controller board. (6) Disconnect the connector for ground wire. (7) Remove the screw on lower side of the electrical box. (See Photo 5) (8) Push up the upper fixture catch to remove the box, then remove it from the box fixture.	Photo 4
4. REMOVING THE NOZZLE ASSEMBLY (with VANE and VANE MOTOR) AND DRAIN HOSE (1) Remove the panel and corner box. (Refer to procedure 1) (2) Remove the electrical box covers. (Refer to procedure 2) (3) Disconnect the vane motor connector (CN151 or CNV) on the indoor controller board. (4) Pull out the drain hose from the nozzle assembly, and remove nozzle assembly. (See Photo 5)	Photo 5 (see the bottom)
5. REMOVING THE VANE MOTOR (1) Remove the nozzle assembly. (Refer to procedure 4) (2) Remove 2 screws of the vane motor unit cover, and pull out the vane motor unit. (3) Remove 2 screws of the vane motor unit. (4) Remove the vane motor from the vane motor unit. (5) Disconnect the connector from the vane motor.	Photo 6

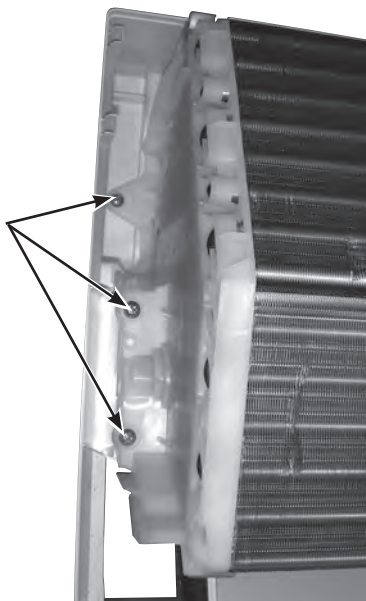
OPERATION PROCEDURE

6. REMOVING THE INDOOR FAN MOTOR AND THE LINE FLOW FAN

- (1) Remove the panel and the corner box. (Refer to procedure 1)
- (2) Remove the electrical box (Refer to procedure 2) and the nozzle assembly (Refer to procedure 4).
- (3) Remove the water cut. (See Photo 2)
- (4) Remove the screw fixing the line flow fan. (See Photo 8)
- (5) Remove 5 screws fixing the motor bed. (See Photo 7)
- (6) Remove the lead wire of pipe thermistor from the hook of motor bed. (See Photo 7)
- (7) Remove the screw fixing motor band. (See Photo 7)
- (8) Remove the motor bed together with fan motor and motor band.
- (9) Remove 3 screws fixing the left side of the heat exchanger. (See Photo 9)
- (10) Lift the heat exchanger, and pull out the line flow fan to the lower-left.

Photo 9

Screws of the left side of the heat exchanger



PHOTOS/FIGURES

Photo 7

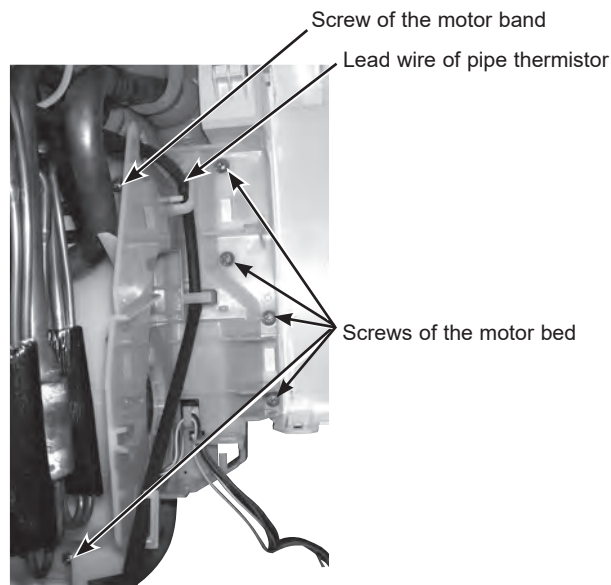


Photo 8

Screw of the line flow fan

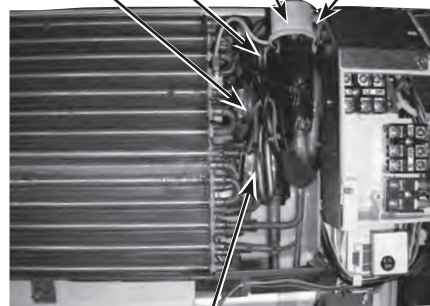


7. REMOVING THE LIQUID PIPE THERMISTOR AND GAS PIPE THERMISTOR

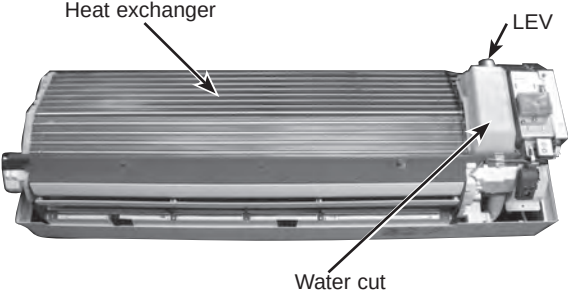
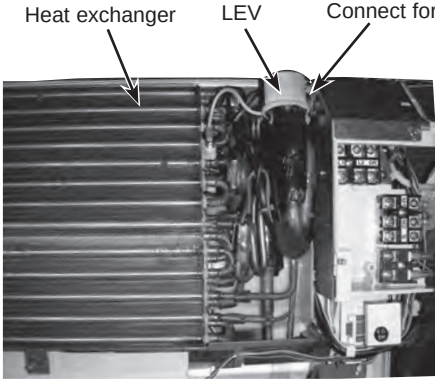
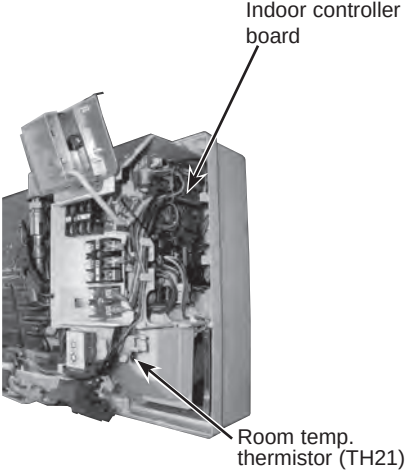
- (1) Remove the panel and the corner box. (Refer to procedure 1)
- (2) Remove the electrical box covers. (Refer to procedure 2)
- (3) Remove the water cut. (See Photo 2)
- (4) Remove the liquid pipe thermistor and gas pipe thermistors.
- (5) Disconnect the connector (CN44 and CN2G) or (CN44) on the indoor controller board. (TH22 and TH23/CN44, TH24/CN2G)

Photo 10

Gas pipe thermistor (TH23) (TH24) LEV Connect for ground



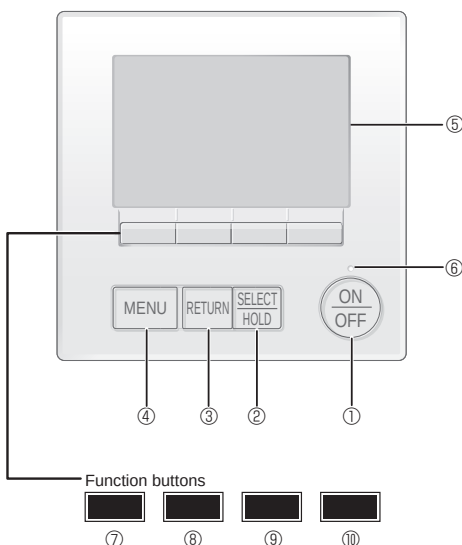
Liquid pipe thermistor (TH22)

OPERATION PROCEDURE	PHOTOS/FIGURES
8. REMOVING THE HEAT EXCHANGER AND LEV (1) Remove the panel and the corner box. (Refer to procedure 1) (2) Remove the electrical box (Refer to procedure 3) and the nozzle assembly (Refer to procedure 4.). (3) Remove the water cut. (4) Remove the pipe thermistors (Refer to procedure 7). (5) Disconnect the connector (CN60) on the indoor controller board and the connector for ground wire. (6) Remove 3 screws fixing the left side of the heat exchanger. (7) Remove the heat exchanger with LEV.	Photo 11  Photo 12  Photo 13 
9. REMOVING THE ROOM TEMPERATURE THERMISTOR (1) Remove the panel and corner box. (Refer to procedure 1) (2) Remove the electrical box covers. (Refer to procedure 2) (3) Remove the room temperature thermistor. (4) Disconnect the connector (CN20) on the indoor controller board.	

8-1. REMOTE CONTROLLER FUNCTIONS

<PAR-41MAA>

Controller interface



① [ON/OFF] button

Press to turn ON/OFF the indoor unit.

② [SELECT] button

Press to save the setting.

③ [RETURN] button

Press to return to the previous screen.

④ [MENU] button

Press to bring up the Main menu.

⑤ Backlit LCD

Operation settings will appear.

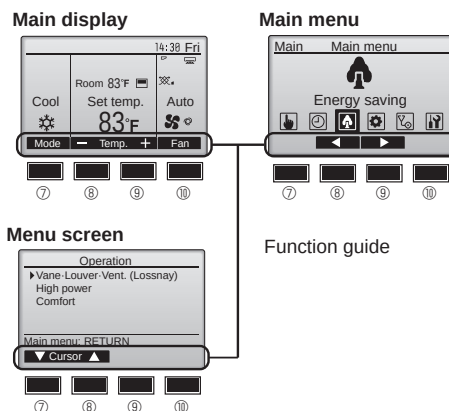
When the backlight is off, pressing any button turns the backlight on and it will stay lit for a certain period of time depending on the screen.

When the backlight is off, pressing any button turns the backlight on and does not perform its function. (except for the [ON/OFF] button)

The functions of the function buttons change depending on the screen.

Refer to the button function guide that appears at the bottom of the LCD for the functions they serve on a given screen.

When the system is centrally controlled, the button function guide that corresponds to the locked button will not appear.



⑥ ON/OFF lamp

This lamp lights up in green while the unit is in operation. It blinks while the remote controller is starting up or when there is an error.

⑦ Function button [F1]

Main display: Press to change the operation mode.

Menu screen: The button function varies with the screen.

⑧ Function button [F2]

Main display: Press to decrease temperature.

Main menu: Press to move the cursor left.

Menu screen: The button function varies with the screen.

⑨ Function button [F3]

Main display: Press to increase temperature.

Main menu: Press to move the cursor right.

Menu screen: The button function varies with the screen.

⑩ Function button [F4]

Main display: Press to change the fan speed.

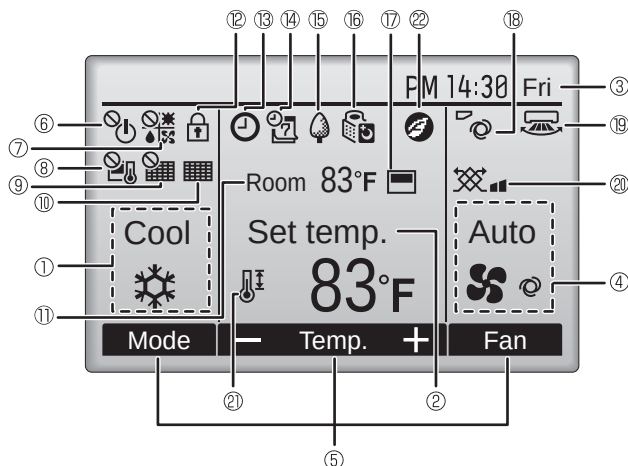
Menu screen: The button function varies with the screen.

Display

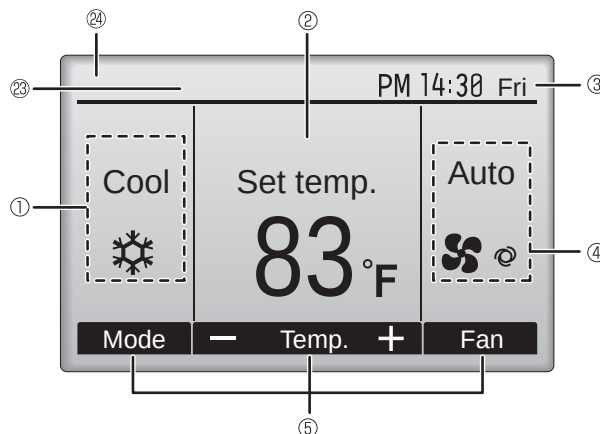
The main display can be displayed in two different modes: "Full" and "Basic". The initial setting is "Full". To switch to the "Basic" mode, change the setting on the Main display setting. (Refer to operation manual included with remote controller.)

<Full mode>

* All icons are displayed for explanation.



<Basic mode>



① Operation mode

② Preset temperature

③ Clock

④ Fan speed

⑤ Button function guide

Functions of the corresponding buttons appear here.



Appears when the ON/OFF operation is centrally controlled.



Appears when the operation mode is centrally controlled.



Appears when the preset temperature is centrally controlled.



Appears when the filter reset function is centrally controlled.



Indicates when filter needs maintenance.

⑪ Room temperature



Appears when the buttons are locked.



Appears when the On/Off timer, Night setback, or Auto-off timer function is enabled.



appears when the timer is disabled by the centralized control system.



Appears when the Weekly timer is enabled.



Appears while the units are operated in the energy saving mode. (Will not appear on some models of indoor units)



Appears while the outdoor units are operated in the silent mode.



Appears when the built-in thermistor on the remote controller is activated to monitor the room temperature (⑪).



appears when the thermistor on the indoor unit is activated to monitor the room temperature.



Indicates the vane setting.



Indicates the louver setting.



Indicates the ventilation setting.



Appears when the preset temperature range is restricted.



Appears when an energy-saving operation is performed using a "3D i-see Sensor" function.

②③ Centrally controlled

Appears for a certain period of time when a centrally-controlled item is operated.

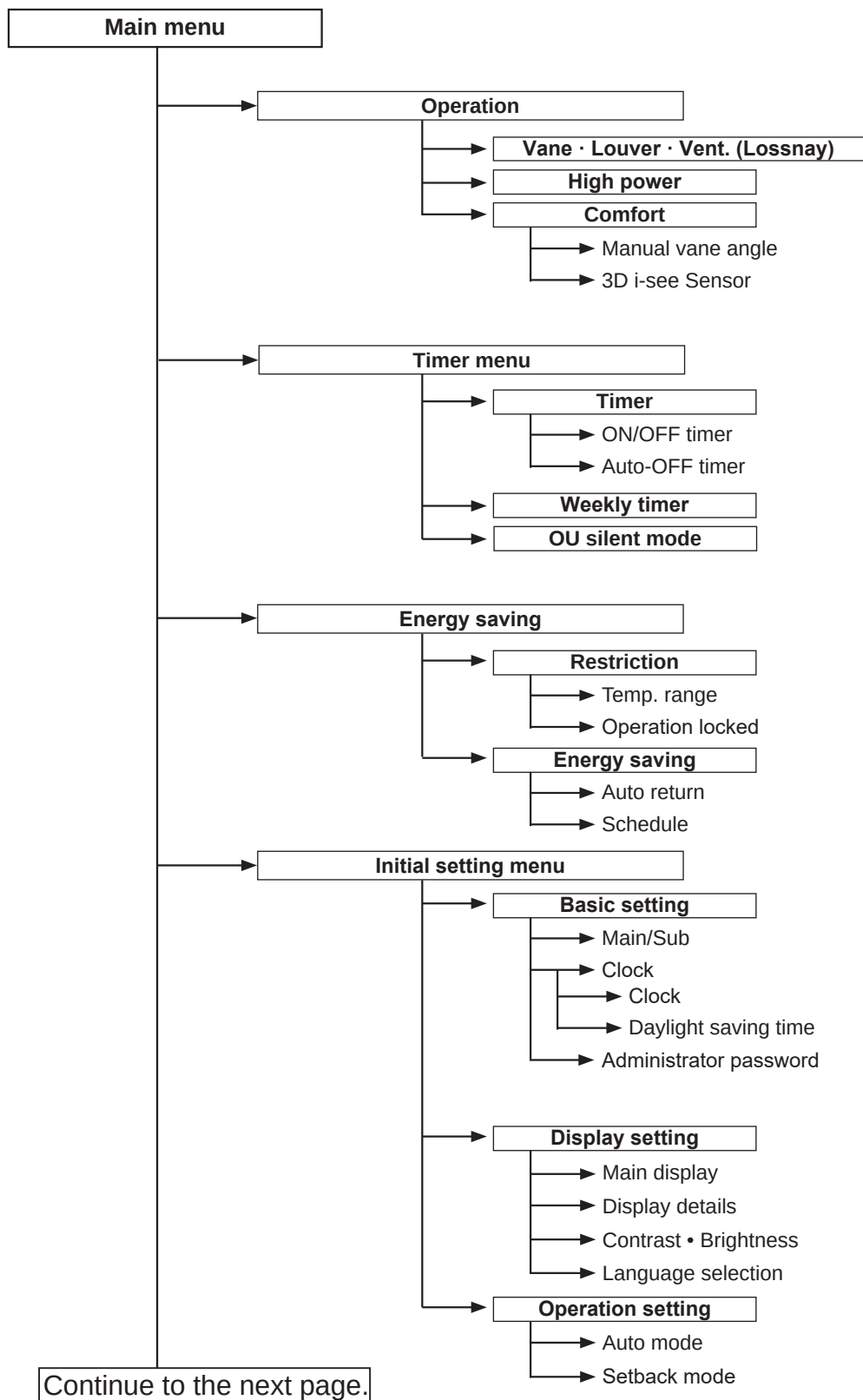
②④ Preliminary error display

A check code appears during the preliminary error.

Most settings (except ON/OFF, mode, fan speed, temperature) can be made from the Main menu.

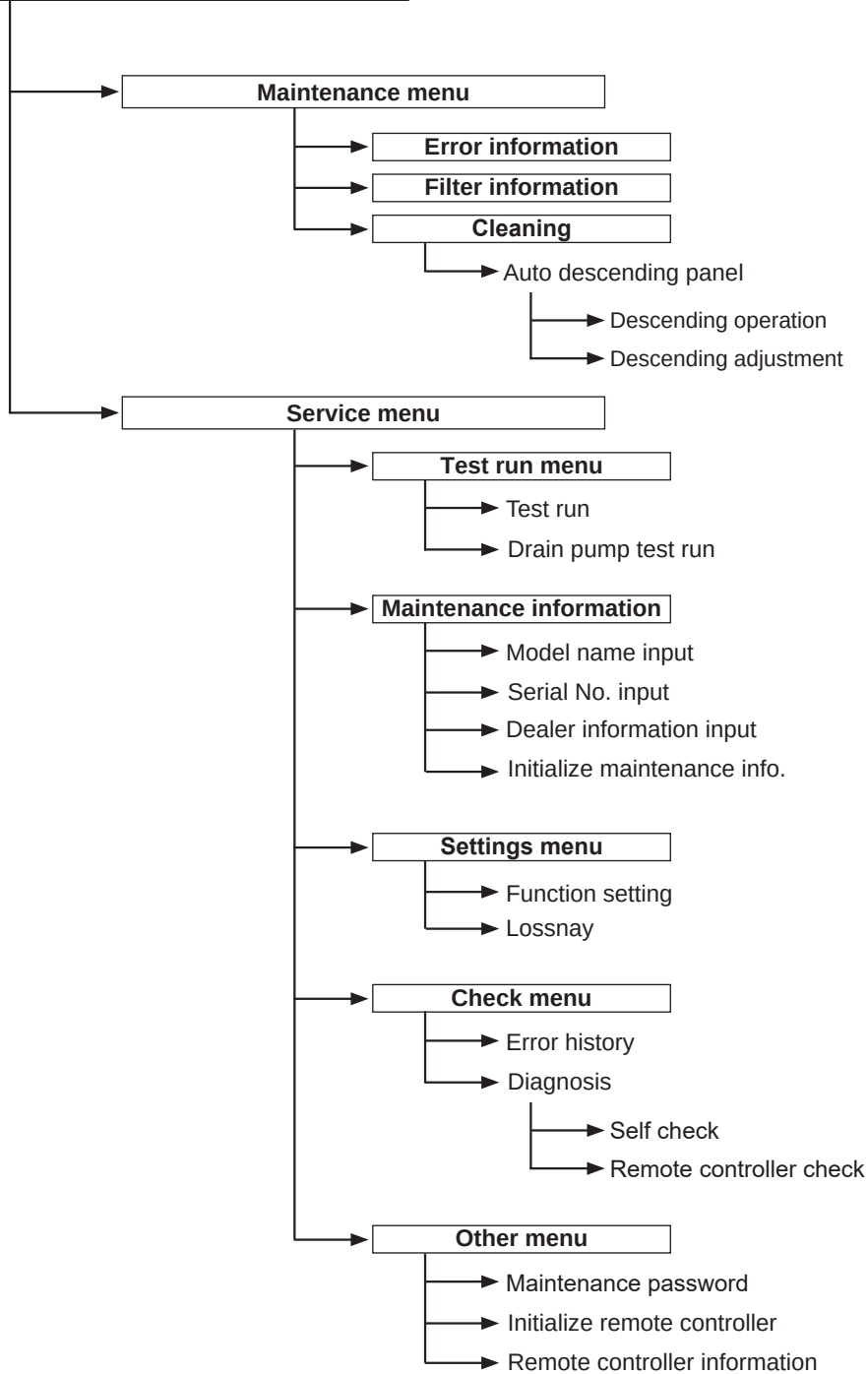
*1 These functions are not applied to the floor standing models.

Menu structure

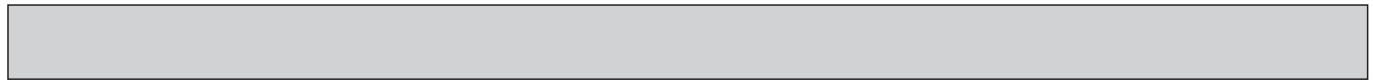


Not all functions are available on all models of indoor units.

Continue from the previous page.



Not all functions are available on all models of indoor units.



Main menu list

Main menu	Setting and display items		Setting details
Operation	Vane · Louver · Vent. (Lossnay)		Use to set the vane angle. • Select a desired vane setting. Use to turn ON/OFF the louver. • Select a desired setting from "ON" and "OFF." Use to set the amount of ventilation. • Select a desired setting from "Off," "Low," and "High."
	High power ^{*3}		Use to reach the comfortable room temperature quickly. • Units can be operated in the High-power mode for up to 30 minutes.
	Comfort	Manual vane angle	Use to fix each vane angle.
		3D i-see Sensor	Use to set the following functions for 3D i-see Sensor. • Air distribution • Energy saving option • Seasonal airflow
Timer	Timer	ON/OFF timer ^{*1}	Use to set the operation ON/OFF times. • Time can be set in 5-minute increments.
		Auto-OFF timer	Use to set the Auto-OFF time. • Time can be set to a value from 30 to 240 in 10-minute increments.
	Weekly timer ^{*1, *2}		Use to set the weekly operation ON/OFF times. • Up to 8 operation patterns can be set for each day. (Not valid when the ON/OFF timer is enabled.)
	OU silent mode ^{*1, *3}		Use to set the time periods in which priority is given to quiet operation of outdoor units over temperature control. Set the Start/Stop times for each day of the week. • Select the desired silent level from "Normal," "Middle," and "Quiet."
Energy saving	Restriction	Temp. range ^{*2}	Use to restrict the preset temperature range. • Different temperature ranges can be set for different operation modes.
		Operation lock	Use to lock selected functions. • The locked functions cannot be operated.
	Energy saving	Auto return ^{*2}	Use to get the units to operate at the preset temperature after performing energy saving operation for a specified time period. • Time can be set to a value from 30 and 120 in 10-minute increments. (This function will not be valid when the preset temperature ranges are restricted.)
		Schedule ^{*1, *3}	Set the start/stop times to operate the units in the energy saving mode for each day of the week, and set the energy saving rate. • Up to 4 energy saving operation patterns can be set for each day. • Time can be set in 5-minute increments. • Energy saving rate can be set to a value from 0% or 50 to 90% in 10% increments.

^{*1} Clock setting is required.

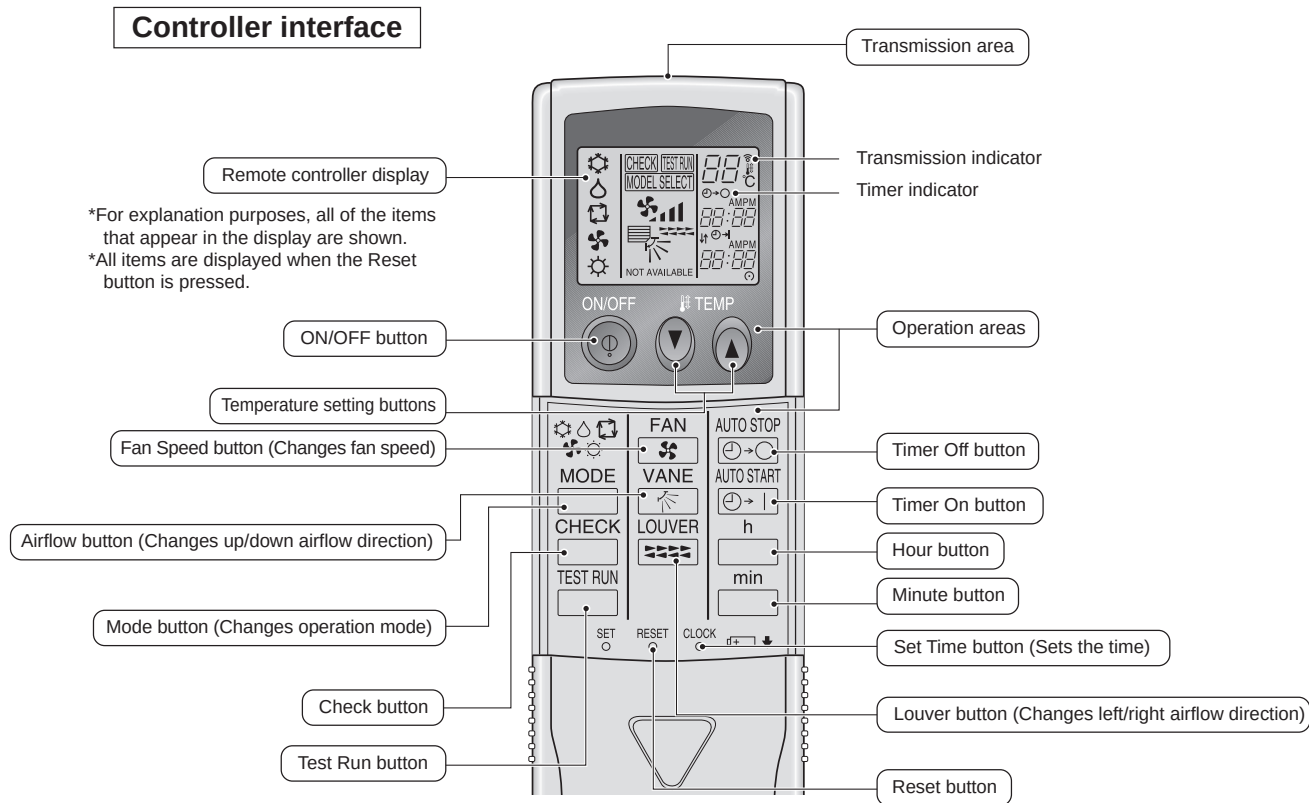
^{*2} 2°F (1°C) increments.

^{*3} This function is available only when certain outdoor units are connected.



Main menu	Setting and display items		Setting details
Initial setting	Basic setting	Main/Sub	When connecting 2 remote controllers, one of them needs to be designated as a sub controller.
		Clock	Use to set the current time.
		Daylight saving time	Set the daylight saving time.
		Administrator password	The administrator password is required to make the settings for the following items. • Timer setting • Energy saving setting • Weekly timer setting • Restriction setting • Outdoor unit silent mode setting • Night set back
	Display setting	Main display	Use to switch between "Full" and "Basic" modes for the Main display, and use to change the background colors of the display to black.
		Display details	Make the settings for the remote controller related items as necessary. Clock: The initial settings are "Yes" and "24h" format. Temperature: Set either Celsius (°C) or Fahrenheit (°F). Room temp.: Set Show or Hide. Auto mode: Set Auto mode display or Only Auto display.
		Contrast • Brightness	Use to adjust screen contrast and brightness.
		Language selection	Use to select the desired language.
	Operation setting	Auto mode	Whether or not to use Auto mode can be selected by using the button. This setting is valid only when indoor units with Auto mode function are connected.
		Setback mode	Whether or not to use the Setback mode can be selected by using the button. This setting is valid only when indoor units with the Setback mode function are connected.
Maintenance	Error information		Use to check error information when an error occurs. • Check code, error source, refrigerant address, model name, manufacturing number, contact information (dealer's phone number) can be displayed. (The model name, manufacturing number, and contact information need to be registered in advance to be displayed.)
	Filter information		Use to check the filter status. • The filter sign can be reset.
	Cleaning	Auto descending panel	Use to lift and lower the auto descending panel (Optional parts).
Service	Test run		Select "Test run" from the Service menu to bring up the Test run menu. • Test run • Drain pump test run
	Input maintenance info.		Select "Input maintenance Info." from the Service menu to bring up the Maintenance information screen. The following settings can be made from the Maintenance Information screen. • Model name input • Serial No. input • Dealer information input • Initialize maintenance info.
	Settings	Function setting	Make the settings for the indoor unit functions via the remote controller as necessary.
		LOSSNAY setting	This setting is required only when the operation of CITY MULTI units is interlocked with LOSSNAY units.
	Check	Error history	Display the error history and execute "delete error history".
		Diagnosis	Self check: Error history of each unit can be checked via the remote controller. Remote controller check: When the remote controller does not work properly, use the remote controller checking function to troubleshoot the problem.
	Others	Maintenance password	Use to change the maintenance password.
		Initialize remote controller	Use to initialize the remote controller to the factory shipment status.
		Remote controller information	Use to display the remote controller model name, software version, and serial number.

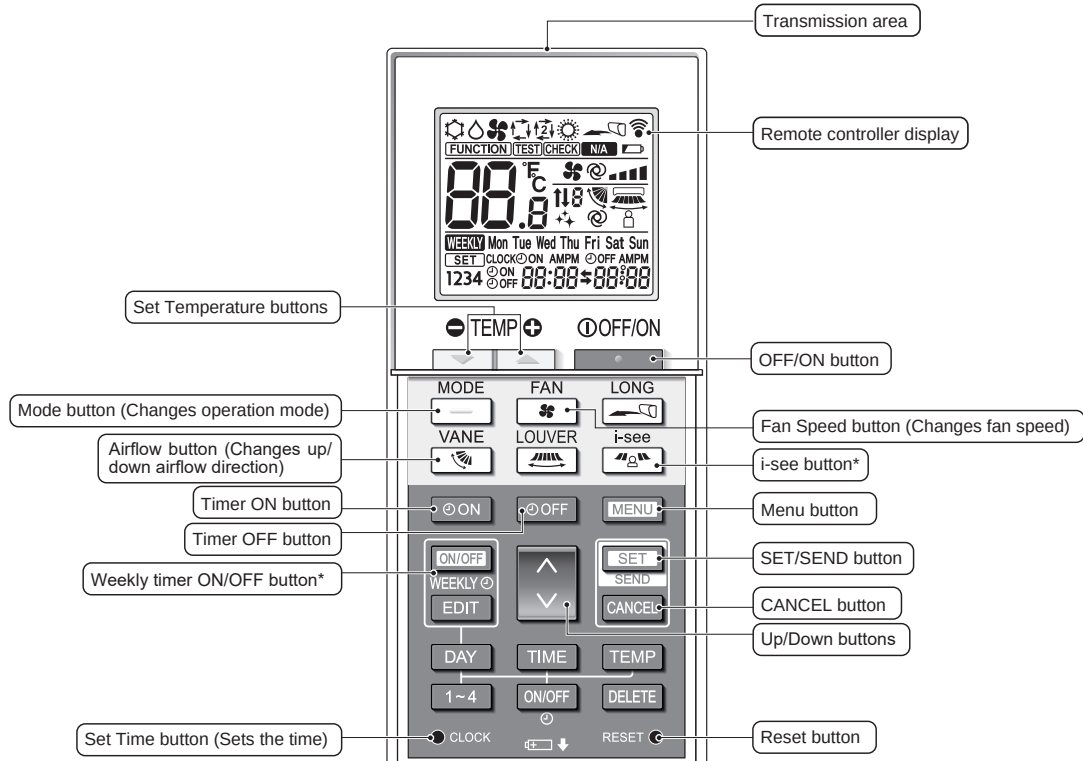
<PAR-FL32MA>



- When using the wireless remote controller, point it towards the receiver on the indoor unit.
- If the remote controller is operated within approximately three minutes after power is supplied to the indoor unit, the indoor unit may beep three times as the unit is performing the initial automatic check.
- The indoor unit beeps to confirm that the signal transmitted from the remote controller has been received. Signals can be received up to approximately 7 meters in a direct line from the indoor unit in an area 45° to the left and right of the unit. However, illumination such as fluorescent lights and strong light can affect the ability of the indoor unit to receive signals.
- If the operation lamp near the receiver on the indoor unit is blinking, the unit needs to be inspected. Consult your dealer for service.
- Handle the remote controller carefully! Do not drop the remote controller or subject it to strong shocks. In addition, do not get the remote controller wet or leave it in a location with high humidity.
- To avoid misplacing the remote controller, install the holder included with the remote controller on a wall and be sure to always place the remote controller in the holder after use.

<PAR-SL101A-E>

Controller interface



Note:

* This button is enabled or disabled depending on the model of the indoor unit.

Display

Operation mode

- Cool (fan icon)
- Dry (water drop icon)
- Fan (fan icon)
- Auto (single set point) (fan icon with circular arrow)
- Heat (sun icon)
- Auto (dual set point) (fan icon with circular arrow)

Temperature setting

The units of temperature can be changed. For details, refer to the Installation Manual.

Vane setting

Step 1 Step 2 Step 3 Step 4 Step 5 Swing Auto

Not available

Appears when a non-supported function is selected.

Battery replacement indicator

Appears when the remaining battery power is low.

Fan speed setting

Auto

3D i-see Sensor (Air distribution)

Default Direct Indirect

When Direct or Indirect is selected, the vane setting is set to "Auto".

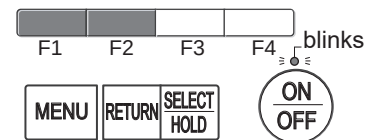
8-2. ERROR INFORMATION

When an error occurs, the following screen will appear.
Check the error status, stop the operation, and consult your dealer.

1. Check code, error unit, refrigerant address, date and time of occurrence, model name, and serial number will appear.
The model name and serial number will appear only if the information have been registered.

Press the **[F1]** or **[F2]** button to go to the next page.

Error information		1/2
Error code	2502	
Error unit	IU 1	
Time Occurred	02/01 4:48	
Model name		
Serial No.		
Reset error: Reset button		
▼ Page ▲	Reset	



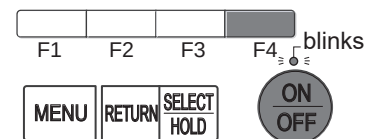
Contact information (dealer's phone number) will appear if the information has been registered.

Error information		2/2
Contact information		
Dealer		
Tel		
Reset error: Reset button		
▼ Page ▲	Reset	

2. Press the **[F4]** button or the **[ON/OFF]** button to reset the error that is occurring.

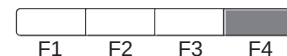
Errors cannot be reset while the ON/OFF operation is prohibited.

Error information		1/2
Error code	2502	
Error unit	IU 1	
Time Occurred	02/01 4:48	
Model name		
Serial No.		
Reset error: Reset button		
▼ Page ▲	Reset	



Select "OK" with the **[F4]** button.

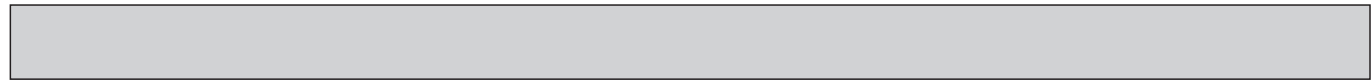
Error reset	
Reset current error?	
Cancel	OK



Error reset	
Error reset	
Main menu: [MENU]	

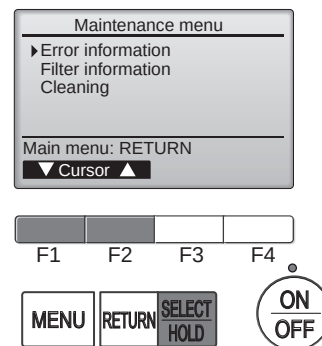
Navigating through the screens

- To go back to the Service menu **[MENU]** button



• Checking the error information

While no errors are occurring, page 2/2 of the error information can be viewed by selecting "Error information" from the Maintenance menu. Errors cannot be reset from this screen.

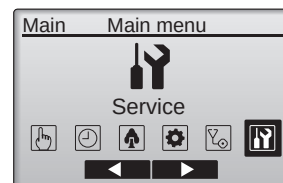


8-3. SERVICE MENU

Maintenance password is required

1. Select "Service" from the Main menu, and press the [SELECT] button.

*At the main display, the menu button and select "Service" to make the maintenance setting.



2. When the Service menu is selected, a window will appear asking for the password.

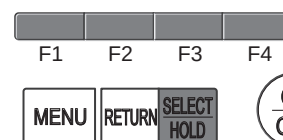
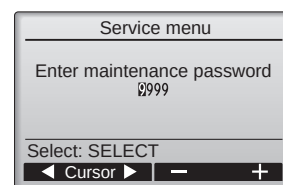
To enter the current maintenance password (4 numerical digits), move the cursor to the digit you want to change with the [F1] or [F2] button.



Set each number (0 through 9) with the [F3] or [F4] button.



Then, press the [SELECT] button.



Note: The initial maintenance password is "9999". Change the default password as necessary to prevent unauthorized access. Have the password available for those who need it.

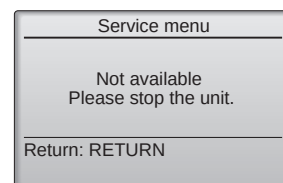
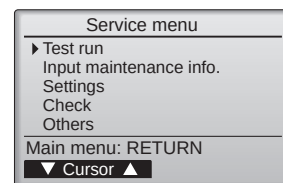
If you forget your maintenance password, you can initialize the password to the default password "9999" by pressing and holding the [F1] button for 10 seconds on the maintenance password setting screen.

3. If the password matches, the Service menu will appear.

Note: Air conditioning units may need to be stopped to make only at "Settings". There may be some settings that cannot be made when the system is centrally controlled.



A screen will appear that indicates the setting has been saved.



Navigating through the screens

- To go back to the Service menu[MENU] button
- To return to the previous screen.....[RETURN] button

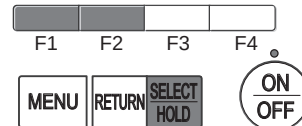
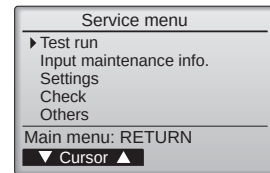
8-4. TEST RUN

8-4-1. PAR-41MAA

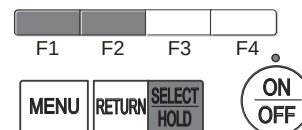
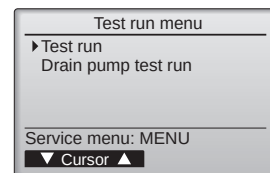
1. Select "Service" from the Main menu, and press the [SELECT] button.



Select "Test run" with the [F1] or [F2] button, and press the [SELECT] button.



2. Select "Test run" with the [F1] or [F2] button, and press the [SELECT] button.



Test run operation

Press the [F1] button to go through the operation modes in the order of "Cool and Heat".

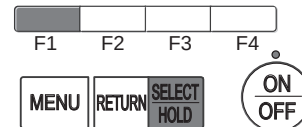
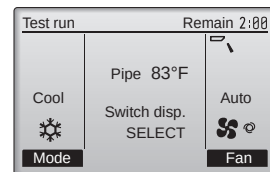
Cool mode: Check the cold air blows out.

Heat mode: Check the heat blows out.

Check the operation of the outdoor unit's fan.



Press the [SELECT] button and open the Vane setting screen.



Auto vane check

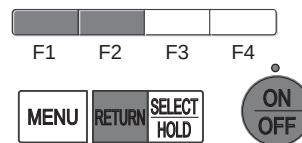
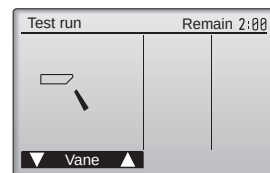
Check the auto vane with the [F1] [F2] buttons.



Press the [RETURN] button to return to "Test run operation".



Press the [ON/OFF] button.



When the test run is completed, the "Test run menu" screen will appear. The test run will automatically stop after 2 hours.

*The function is available only for the model with vanes.

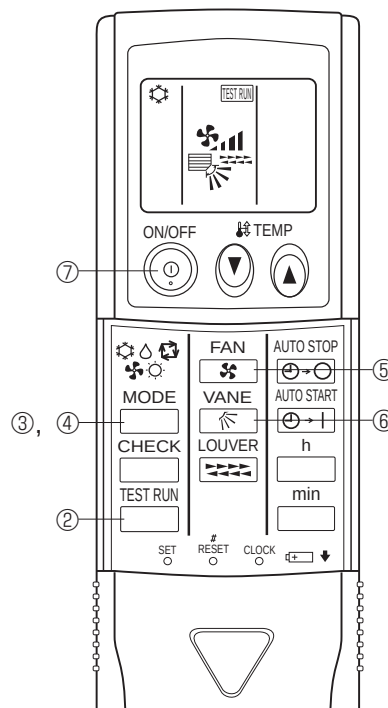
8-4-2. PAR-FL32MA

Measure an impedance between the power supply terminal block on the outdoor unit and ground with a 500 V Megger and check that it is equal to or greater than 1.0 MΩ.

1. Turn on the main power to the unit.
2. Press the  button twice continuously.
(Start this operation from the status of remote controller display turned off.)
A  and current operation mode are displayed.
3. Press the  () button to activate  mode, then check whether cool air blows out from the unit.
4. Press the  () button to activate  mode, then check whether warm air blows out from the unit.
5. Press the  button and check whether strong air blows out from the unit.
6. Press the  button and check whether the auto vane operates properly.
7. Press the ON/OFF button to stop the test run.

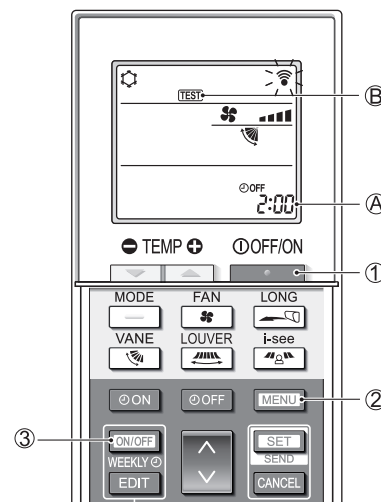
Note:

- Point the remote controller towards the indoor unit receiver while following steps 2 to 7.
- It is not possible to run in FAN, DRY or AUTO mode.



8-4-3. PAR-SL101A-E

1. Press the  button ① to stop the air conditioner.
 - If the weekly timer is enabled ( is on), press the  button ③ to disable it ( is off).
2. Press the  button ② for 5 seconds.
 -  comes on and the unit enters the service mode.
3. Press the  button ②.
 -  ⑥ comes on and the unit enters the test run mode.
4. Press the following buttons to start the test run.
 - : Switch the operation mode between cooling and heating and start the test run.
 - : Switch the fan speed and start the test run.
 - : Switch the airflow direction and start the test run.
 - : Switch the louver and start the test run.
 - : Start the test run.
5. Stop the test run.
 - Press the  button ① to stop the test run.
 - After 2 hours, the stop signal is transmitted.



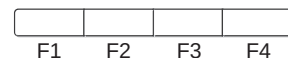
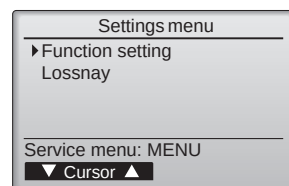
8-5. FUNCTION SETTING

8-5-1. PAR-41MAA

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Setting" from the Service menu, and press the [SELECT] button.

Select "Function setting", and press the [SELECT] button.



2. The Function setting screen will appear.

Press the [F1] or [F2] button to move the cursor to one of the following: M-NET address, function setting number, or setting value. Then, press the [F3] or [F4] button to change the settings to the desired settings.

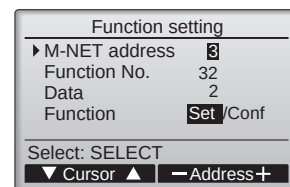
Once the settings have been completed, press the [SELECT] button.

A screen will appear indicating that the settings information is being sent.

To check the current settings of a given unit, enter the setting for its M-NET address and function setting number, select Conf for the Function, and press the [SELECT] button.

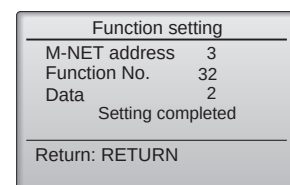
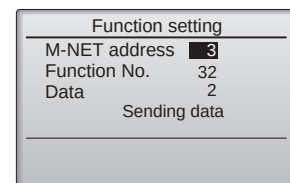
A screen will appear indicating that the settings are being searched for.

When the search is done, the current settings will appear.



When the settings information has been sent, a screen will appear indicating its completion.

To make additional settings, press the [RETURN] button to return to the screen shown in the above step. Set the function numbers for other indoor units by following the same steps.



Note:

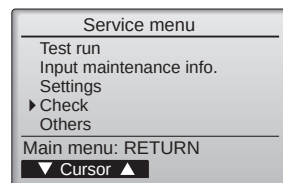
- Refer to the indoor unit Installation Manual for information about the factory settings of indoor units, function setting numbers, and setting values.
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

8-6. ERROR HISTORY

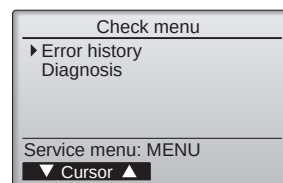
1. Select "Service" from the Main menu, and press the [SELECT] button.



Select "Check" with the **[F1]** or **[F2]** button, and press the [SELECT] button.

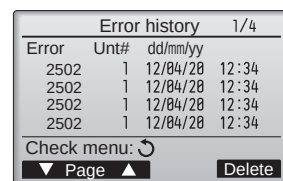


2. Select "Error history" with the **[F1]** or **[F2]** button, and press the [SELECT] button.



3. 16 error history records will appear.

4 records are shown per page, and the top record on the first page indicates the latest error record.



4. Deleting the error history

To delete the error history, press the **[F4]** button (Delete) on the screen that shows error history.

A confirmation screen will appear asking if you want to delete the error history.

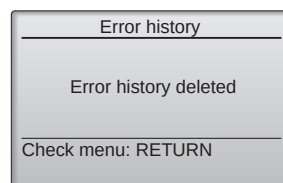
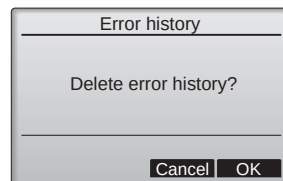


Press the **[F4]** button (OK) to delete the history.



"Error history deleted" will appear on the screen.

Press the [RETURN] button to go back to the Check menu screen.



8-7. SELF-DIAGNOSIS

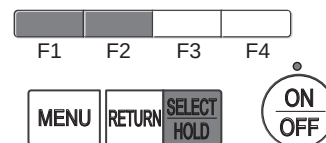
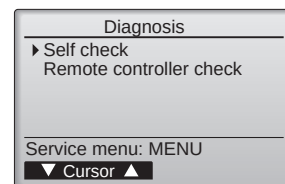
8-7-1. PAR-41MAA

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Check" from the Service menu, and press the [SELECT] button.

Select "Diagnosis" from the Check menu, and press the [SELECT] button.

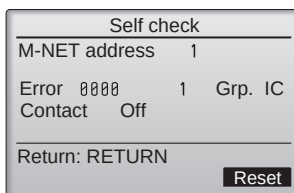
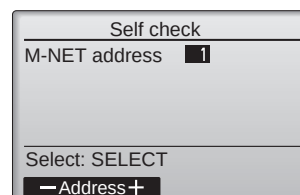
Select "Self check" with the [F1] or [F2] button, and press the [SELECT] button.



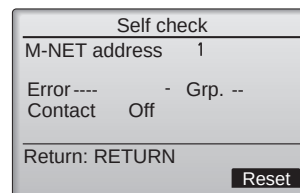
2. Select "Self check" from the Diagnosis menu, and press the [SELECT] button to view the Self check screen.

With the [F1] or [F2] button, enter the M-NET address, and press the [SELECT] button.

Error code, unit number, attribute, and indoor unit demand signal ON/OFF status at the contact will appear. "-" will appear if no error history is available.



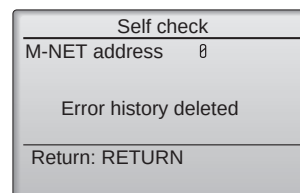
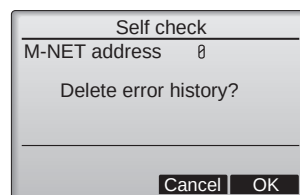
When there is no error history



3. Resetting the error history

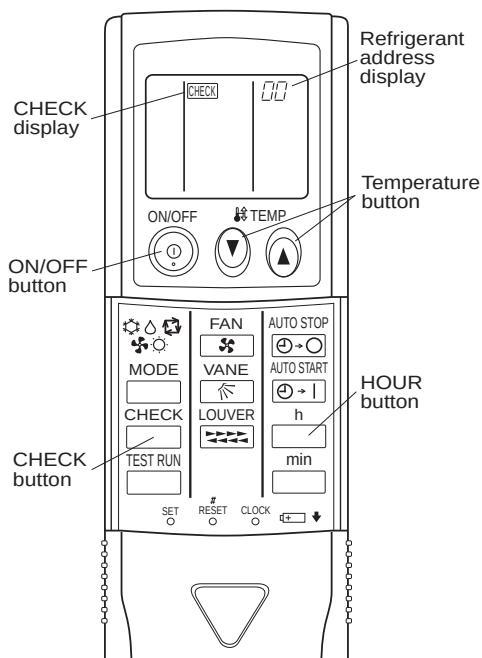
Press the [F4] button (Reset) on the screen that shows the error history. A confirmation screen will appear asking if you want to delete the error history.

Press the [F4] button (OK) to delete the error history. If deletion fails, "Request rejected" will appear, and "Unit not exist" will appear if indoor units that are correspond to the entered address are not found.



8-7-2. PAR-FL32MA

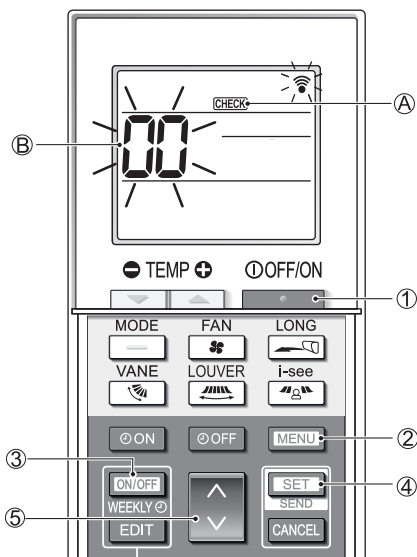
<Malfunction-diagnosis method at maintenance service>



[Procedure]

1. Press the CHECK button twice.
 - "CHECK" lights, and refrigerant address "00" blinks.
 - Check that the remote controller's display has stopped before continuing.
2. Press the TEMP (⬇️) (⬆️) buttons to select the refrigerant address of the indoor unit for self-diagnosis.
 - Set the address of the indoor unit that is to be self-diagnosed.
3. Point the remote controller at the sensor on the indoor unit and press the HOUR button.
 - If an air conditioner error occurs, the indoor unit's sensor emits an intermittent buzzer sound, the operation light blinks, and the check code is output.
4. Point the remote controller at the sensor on the indoor unit and press the ON/OFF button.
 - The check mode is cancelled.

8-7-3. PAR-SL101A-E



[Procedure]

1. Press the (⬆️) button ① to stop the air conditioner.
 - If the weekly timer is enabled (WEEKLY is on), press the (ON/OFF WEEKLY) button ③ to disable it (WEEKLY is off).
2. Press the (MENU) button ② for 5 seconds.
 - (CHECK) (A) comes on and the unit enters the self-check mode.
3. Press the (⬆️) button ⑤ to select the refrigerant address (M-NET address) (B) of the indoor unit for which you want to perform the self-check.
4. Press the (SET) button ④.
 - If an error is detected, the check code is indicated by the number of beeps from the indoor unit and the number of blinks of the OPERATION INDICATOR lamp.
5. Press the (⬆️) button ①.
 - (CHECK) (A) and the refrigerant address (M-NET address) (B) go off and the self-check is completed.

8-8. REMOTE CONTROLLER CHECK

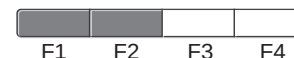
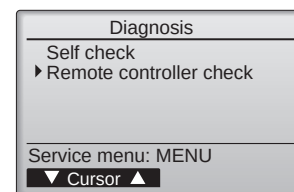
If operations cannot be completed with the remote controller, diagnose the remote controller with this function.

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Check" from the Service menu, and press the [SELECT] button.

Select "Diagnosis" from the Check menu, and press the [SELECT] button.

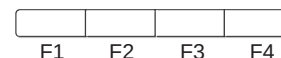
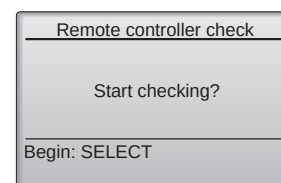
Select "Remote controller check" with the [F1] or [F2] button, and press the [SELECT] button.



2. Select "Remote controller check" from the Diagnosis menu, and press the [SELECT] button to start the remote controller check and see the check results.

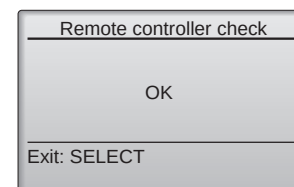
To cancel the remote controller check and exit the "Remote controller check" menu screen, press the [MENU] or the [RETURN] button.

The remote controller will not reboot itself.



3.
 - OK: No problems are found with the remote controller. Check other parts for problems.
 - E3, 6832: There is noise on the transmission line, or the indoor unit or another remote controller is faulty. Check the transmission line and the other remote controllers.
 - NG (ALLO, ALL1): Send-receive circuit fault. The remote controller needs replacing.
 - ERC: The number of data errors is the discrepancy between the number of bits in the data transmitted from the remote controller and that of the data that was actually transmitted over the transmission line. If data errors are found, check the transmission line for external noise interference.

Remote controller check results screen



If the [SELECT] button is pressed after the remote controller check results are displayed, remote controller check will end, and the remote controller will automatically reboot itself.

Check the remote controller display and see if anything is displayed (including lines). Nothing will appear on the remote controller display if the correct voltage (8.5–12 VDC) is not supplied to the remote controller. If this is the case, check the remote controller wiring and indoor units.

CITY MULTI

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