

No. OC254

TECHNICAL & SERVICE MANUAL

Series PKFY Wall Mounted R407C / R22

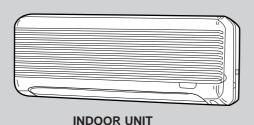
Indoor unit [Model names]

[Service Ref.]

PKFY-P20VAM-A

PKFY-P20VAM-A PKFY-P25VAM-A

PKFY-P25VAM-A



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SAFETY PRECAUTION

Cautions for using with the outdoor unit which adopts R407C refrigerant.

- · Do not use the existing refrigerant piping.
 - -The old refrigerant and lubricant in the existing piping contains a large amount of chlorine which may cause the lubricant deterioration of the new unit.
- · Use "low residual oil piping".
 - -If there is a large amount of residual oil (hydraulic oil, etc.) inside the piping and joints, deterioration of the lubricant will result.
- Store the piping to be used during installation indoors with keep both ends sealed until just before brazing.
 (Store elbows and other joints in a plastic bag.)
 - -If dust, dirt, or water enters the refrigerant cycle, deterioration of the oil and compressor trouble may result.
- · Use ESTR, ETHER or HAB as the lubricant to coat flares and flange connection parts.

Use liquid refrigerant to seal the system.

- -If gas refrigerant is used to seal the system, the composition of the refrigerant in the cylinder will change and performance may drop.
- Do not use a refrigerant other than R407C.
 - -If another refrigerant (R22, etc.) is used, the chlorine in the refrigerant may cause the lubricant deterioration.
- · Use a vacuum pump with a reverse flow check valve.
 - -The vacuum pump oil may flow back into the refrigerant cycle and cause the lubricant deterioration.

[1] Service tools

Use the below service tools as exclusive tools for R407C refrigerant.

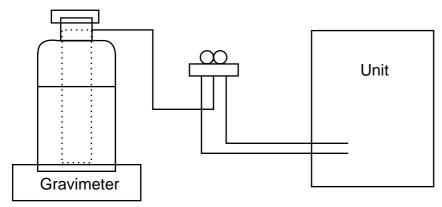
No.	Tool name	Specifications		
1	Gauge manifold	·Only for R407C.		
		·Use the existing fitting SPECIFICATIONS. (UNF7/16)		
		·Use high-tension side pressure of 3.43MPa·G or over.		
2	Charge hose	·Only for R407C.		
		·Use pressure performance of 5.10MPa·G or over.		
3	Electronic scale			
4	Gas leak detector	·Use the detector for R134a or R407C.		
(5)	Adapter for reverse flow check.	·Attach on vacuum pump.		
6	Refrigerant charge base.			
7	Refrigerant cylinder.	·For R407C ·Top of cylinder (Brown)		
		·Cylinder with syphon		
8	Refrigerant recovery equipment.			

[2] Notice on repair service

- After recovering the all refrigerant in the unit, proceed to working.
- ·Do not release refrigerant in the air.
- After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

[3] Refrigerant recharging

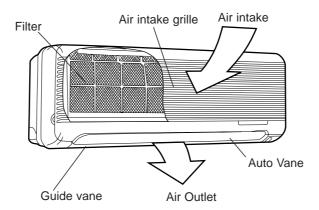
- (1) Refrigerant recharging process
 - ①Direct charging from the cylinder.
 - •R407C cylinder are available on the market has a syphon pipe.
 - ·Leave the syphon pipe cylinder standing and recharge it. (By liquid refrigerant)



- (2) Recharge in refrigerant leakage case
 - ·After recovering the all refrigerant in the unit, proceed to working.
 - •Do not release the refrigerant in the air.
 - ·After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

PART NAMES AND FUNCTIONS

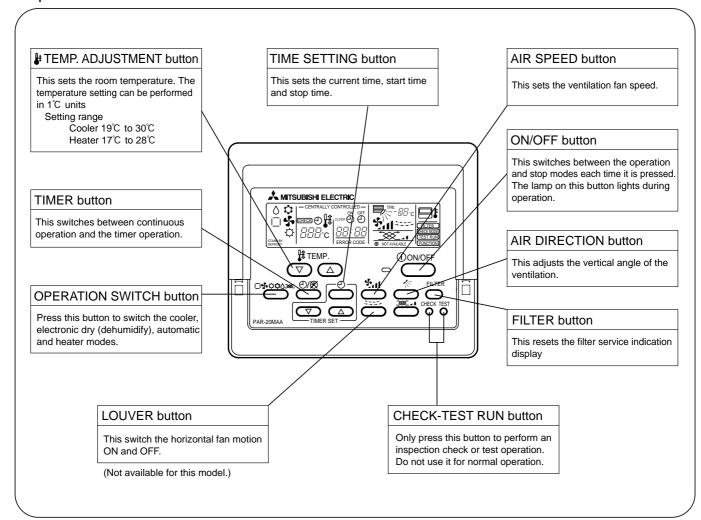
● Indoor Unit PKFY-P20VAM-A PKFY-P25VAM-A



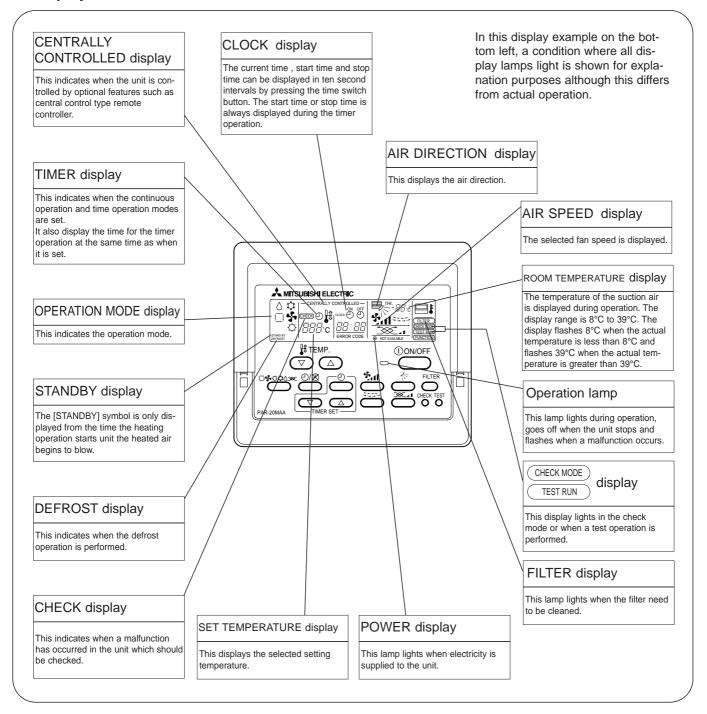
● MA remote controller [PAR-20MAA]

 Once the operation of the unit is set, subsequent operations can only be performed by pressing the ON/OFF button repeatedly.

Operation buttons



Display



Caution

- Only the Power display lights when the unit is stopped and power supplied to the unit.
- When the central control remote control unit, which is sold separately, is used the ON-OFF button, operation switch button and # TEMP. adjustment button do not operate.
- "NOT AVAILABLE" is displayed when the Air speed button are pressed. This indicates that this room unit is not equipped with the fan direction adjustment function and the louver function.
- When power is turned ON for the first time, it is normal that "H0" is displayed on the room temperature indication (For max. 2minutes). Please wait until this "H0" indication disappear then start the operation.

SPECIFICATION

3-1. Specification

3

Item			Unit	PKFY-P20VAM-A	PKFY-P25VAM-A	
Power			φ,V,Hz	Single phase, 220 Single phase, 220	-230-240V, 50Hz V, 60Hz	
Coolin	Cooling capacity			2.2	2.8	
Heating capacity			kW	2.5	3.2	
iic	Power Supply	Cooling	kW	0.0	4	
Electric characteristic	Power Supply	Heating	kW	0.0	4	
Elec narac	Starting Current	Cooling	А	0.2	0	
СР	Starting Current	Heating	А	0.2	0	
Exterio	or <munsell symbol:<="" td=""><td>></td><td>_</td><td>Plastic munsell : <</td><td>2.60Y 8.66/0.69></td></munsell>	>	_	Plastic munsell : <	2.60Y 8.66/0.69>	
Out dir	mensions	Height	mm	29	5	
	Width			815		
		Depth	mm	158		
Heat e	xchanger		_	Cross fin		
	Fan X No.		— Lineflow fan X 1		fan X 1	
Fan	Air flow * 2		m³/min	5.9-5.6-	5.2-4.9	
ган	External static pressure		Pa	0		
	Fan motor output		kW	0.0	17	
Insulat	or		_	Polyethyle	ne sheet	
Air filte	er		_	PP hone	y comb	
Dinad	imensions	Gas side	ømm(in.)	12.7 (1/2")	
Pipe a	imensions	Liquid side	ømm(in.)	6.35 (1/4")	
Unit dr	ain pipe size		ømm	PVC pipe VP-16 cor	nnectable (I.D. 16)	
Noise	level *2		dB	36-35-3	33-32	
Produc	ct weight		kg	8.8	5	

Note 1. Rating conditions

Cooling :Indoor D.B. 27°C W.B. 19.0°C Outdoor D.B. 35°C W.B. 24°C

Heating: Indoor D.B. 20°C

Outdoor D.B. 7°C W.B. 6°C

* 2. Air flow and the noise level are indicated as High-Middium 1-Middium2-Low.

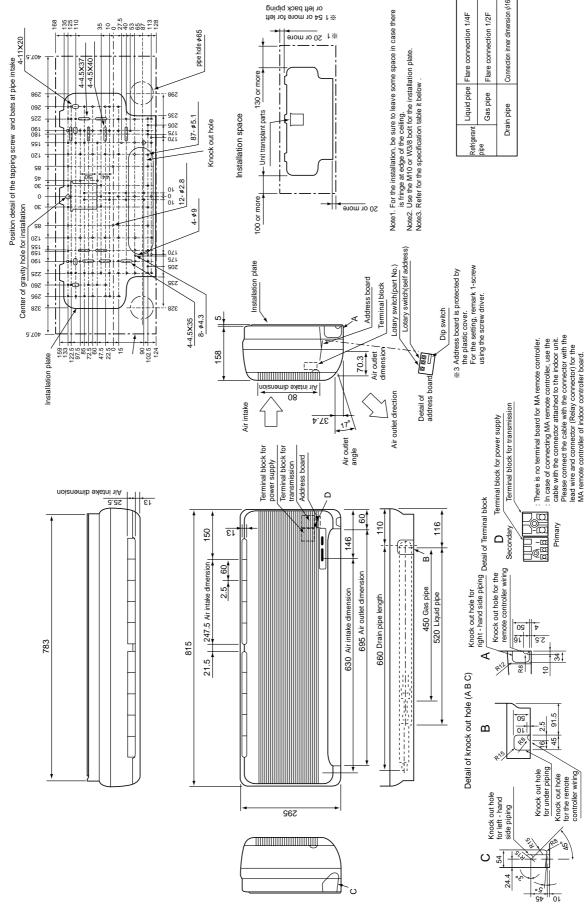
3-2. Electrical parts specifications

Model Parts name	Symbol	PKFY-P20VAM-A	PKFY-P25VAM-A					
Room temperature thermistor	TH21	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.2kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ						
Liquid pipe thermistor	TH22	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.2kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ					
Gas pipe thermistor	TH23	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.2kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ					
Fuse (Indoor controller board)	FUSE	250V 6.3A						
Fan motor (with thermal fuse)	MF	4-Pole Output	4-Pole Output 17W / RC4V17					
Fan motor capacitor	C1	1.5μF	× 440V					
Vane motor (with limit switch)	MV	MSFBC20A	A76 DC12V					
Linear expansion valve	LEV		DC12V Stepping motor drive Port ϕ 3.2 (0~2000pulse) EDM-402ME					
Power supply terminal block	TB2	(L, N, ⊕)	(L, N, ⊕) 250V 20A					
Transmission terminal block	TB5	(M1, M2) 250V 10A						

OUTLINES AND DIMENSIONS

Unit: mm





WIRING DIAGRAM

PKFY-P20VAM-A PKFY-P25VAM-A

Legend

Symbol		Name	Symbol	ol Name		Symbol		Name
M.B	Indoor contr	oller board	TH23	Thermistor Pipe temperature, dete		TB2	Terminal	Power supply
CN32	Connector	Remote switch		(0°C/15kΩ,25°C/5.4kΩ)		TB5	block	Transmission
CN41		HA terminal-A	P.B	Indoor powe	r board	A.B	Circuit board	Address board
CN51		Centrally control	ZNR	Varistor		SW1 <a.b></a.b>	Switch	Mode selection
CN52		Remote indication	FUSE	Fuse (6.3A)		SW5 <a.b></a.b>		Voltage selection
SW2	Switch	Capacity code	F.C	Fan phase control		SW11 <a.b></a.b>		Address setting 1st digit
SW3		Mode selection	MF	Fan motor		SW12 <a.b></a.b>		Address setting 2nd digit
TH21	Thermistor	Room temperature, detection	C1	Capacitor(fan motor)		SW14 <a.b></a.b>		Connection No.
		(0°C/15kΩ,25°C/5.4kΩ)	MV	Vane motor				
TH22		Pipe temperature,detection/liquid	LEV	Linear expansion valve				

(0°C/15kΩ,25°C/5.4kΩ) TO NEXT INDOOR UNIT TO OUTDOOR LINIT TO MA-REMOTE CONTROLLER DC8.7-13V BC CONTROLLER M-NET REMOTE CONTROLLER TH23 TH22 TH21 TB2 PULL BOX GRNYLW MF BLU BLU 123456 12345 1234 RED CN60 LEV (WHT) CN5V (BLU) A.B POWER SUPPLY ORN ORN ~/N 220-230-240V 50Hz ~/N 220V 60Hz 220V 240V CN81 ADDRESS (RED) SW1 9 BOARD (BLU) ZNR CN53F MICON BOARD 5 4 3 2 1 SW14 \Diamond 0 (RED) LED2 CN53M POWER BOARD 12345 (RED) 3RD 2ND 1ST DIGIT DIGIT DIGIT CONNECTION CN35M POWER BOARD 1123 (BLU) See fig: *1 LED1 P.B M.B

- Note
- 1. At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- 2. In case of connecting MA-remote controller, please connect MA remote controller cable in an accessorie to the connector 12. (Remote controller wire is non-polar.)
- 3. In case of using M-NET, please connect to TB5.(Transmission line is non-polar.)
- 4. Symbols used in wiring diagram above are, ⊚: terminal block, □□: connecter.
- 5. The setting of the SW2 dip switches differs in the capacity. For the detail, refer to the fig: *1.
- 6. Please set the switch SW5 according to the power supply voltage. Set SW5 to 240V side when the power supply is 230 and 240 volts.

When the power supply is 220 volts, set SW5 to 220V side.

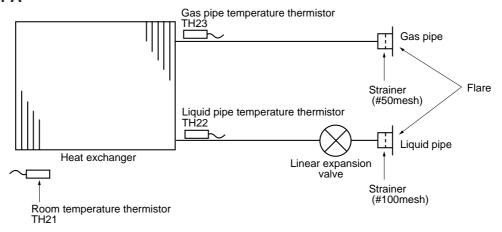
LED on indoor board for service

Mark	Meaning	Function
LED1	Main power supply	Main power supply(Indoor unit:220-230-240V) power on → lamp is lit
LED2	Power supply for MA-Remote controller	Power supply for MA-Remote controller on → lamp is lit

			<*1>
Models	SW2	Models	SW2
PKFY-P20VAM	ON OFF 1 2 3 4	PKFY-P25VAM	ON

REFRIGERANT SYSTEM DIAGRAM

PKFY-P20VAM-A PKFY-P25VAM-A

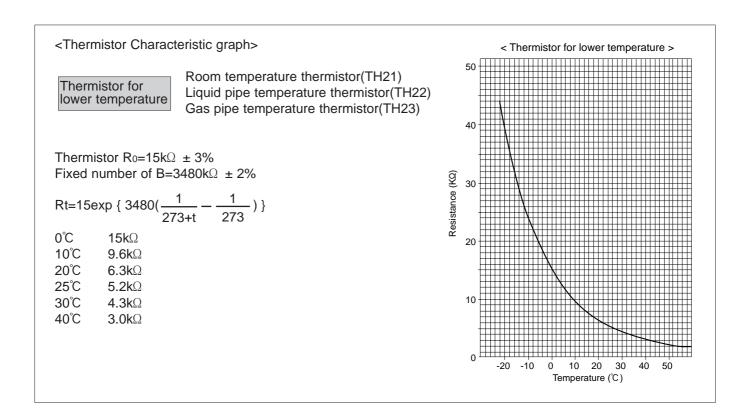


Models Item	PKFY-P20VAM-A, PKFY-P25VAM-A
Gas pipe	φ12.7 (1/2")
Liquid pipe	ø6.35 (1/4")

TROUBLESHOOTING

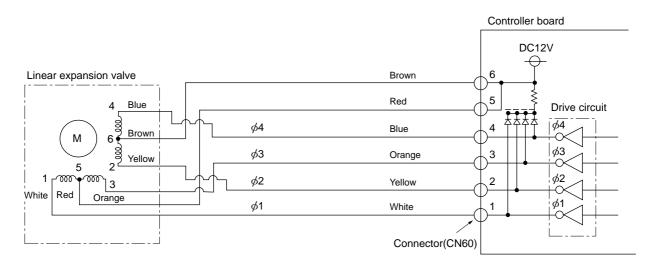
7-1. How to check PKFY-P20VAM-A, PKFY-P25VAM-A

Part Name	Check points							
Room temperature thermistor(TH21) Liquid pipe temperature	Disconnect the con (Surrounding temporal)			resistance	using	a tester.		
thermistor(TH22)	Normal	P	Abnormal	(Dof	far ta tl	ha navt naga far	r a datail \	
Gas pipe temperature thermistor(TH23)	4.3k Ω ~9.6k Ω	Ор	en or short	— (Kei	iei to ti	he next page for	r a detail.)	
Vane motor	①Measure the resi	stance be	tween the term	nals using a	a tester	r.(Surrounding te	emperature 2	5℃.)
③Blue		No	rmal			Abnormal		
© Yellow	0-2	1-3	1)-4)	1)-(5)				
①Red —	Red-Pink R	ed-Blue	Red-Orange	Red-Yello	ow (Open or short		
Connect pin No. Orange Pink Orange Pink Orange Pink		4009	2 ± 7%					
Fan motor	①Measure the resi	stance be	tween the term	nals using a	a tester	r.(Surrounding te	emperature 2	0℃.)
			Normal		Α	bnormal		
FAN	White-Black		195Ω		Open or short			
White 1	Red-Black		200Ω		Open of short			
Red 4 Black 6	©Without disassembling the parts, measure the electrical pressure of the gray wire(Signal line) and brown wire (GND) while the power is on.						ine) and	
3 2 1 CN34	Normal	 (1)At first, check if the electrical pressure is 12V between the brown wire(GND) and yellow wire(VCC). (2)Slowly start running the fan. It is normal if while the fan rotate once, the electrical pressure change from 0V to12V then go back to 0V. 						
	Abnormal		ectrical pressure as the defects.	stay at aro	und 0\	or 10V, it mear	ns the fan	
Linear expansion valve CN60 Disconnect the connector then measure the resistance valve using a (Coil temperature 20°C)						sing a tester.		
White 1 Yellow 2		Nor	mal			Abnormal		
Orange 3 Blue 4		2)-(6) w-Brown	(3)-(5) Orange-Red	(4)-(6) Blue-Brow	vn C	pen or short	-	
Red 5 Brown 6		150 Ω	±10%			•		



Linear 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 signal.
- <Connection between the indoor controller board and the linear expansion valve>

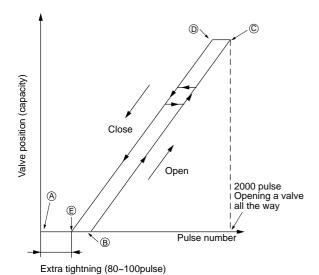


Note: Since the number of the connector at the controller board side and the relay connector are different, follow the color of the lead wire.

<Output pulse signal and the valve operation>

Output	Output					
(Phase)	1	2	3	4		
φ1	ON	OFF	OFF	ON		
φ2	ON	ON	OFF	OFF		
φ3	OFF	ON	ON	OFF		
φ4	OFF	OFF	ON	ON		

2 Linear expansion valve operation



Closing a valve : $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 1$ Opening a valve : $4 \rightarrow 3 \rightarrow 2 \rightarrow 1 \rightarrow 4$

The output pulse shift in above order.

- * 1. When linear expansion valve operation stops, all output phase become OFF.
 - 2. At phase interruption or when phase does not shift in order, motor does not rotate smoothly and motor lock, and vibrates.
 - When the switch is turned on, 2200 pulse closing valve signal will be send till it goes to @ point in order to define the valve position.

When the valve move smoothly, there is no noise or vibration occurring from the linear expansion valve; however, when the pulse number moves from © to @ or when the valve is locked, more noise can be heard than normal situation.

Noise can be detected by placing the ear against the screw driver handle while putting the screw driver to the linear expansion valve.

3 Trouble shooting

Symptom	Check points	Countermeasures
Operation circuit fail- ure of the micro processor.	Disconnect the connector on the controller board, then connect LED for checking.	Exchange the indoor controller board at drive circuit failure.
	Pulse signal will be sent out for 10 seconds as soon as the main switch is turn on. If there is LED with lights on or lights off, it means the operation circuit is abnormal.	
Linear expansion valve mechanism is locked.	Motor will idle and make ticking noise when 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 the each coil (red-white, red-orange, brown-yellow, brown-blue) using a tester. It is normal if the resistance is in the range of 150 Ω +10%.	Exchange the linear expansion valve.
Valve doesn't close completely (thermistor leaking).	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 quid 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 are some 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 making any trouble.	If large amount of thermistor 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.

7-2. FUNCTION OF DIP SWITCH PKFY-P20VAM-A, PKFY-P25VAM-A

Switch	Polo	Function	Operation	on by switch	Remarks		
SWILCH	Pole	Function	ON	OFF	- Remarks		
	1	Thermistor <intake temperature=""> position</intake>	Built-in remote controller	Indoor unit	Address board		
	2	Filter clogging	Provide	Not provide	<at delivery=""></at>		
	3	Filter sign indication	2,500 hr	100 hr	ON OFF 1 2 3 4 5 6 7 8 9 10		
0)4/4	4	Air intake (Note 2)	Not effective	Not effective	(Note 1) SW1-7=OFF, SW1-8=ON		
SW1 Mode	5	Remote indication switching	Thermostat ON signal indication	Fan output indication	→ Setting air flow. SW1-7=OFF, SW1-8=ON →Indoor fan stop.		
selection	6	Humidifier control	Fan operation at Heating mode	Heat thermostat ON is operating	(Note 2) It is impossible to intake		
	7	Air flow at heat thermostat	Low (Note 1)	Extra low (Note 1)	the fresh air.		
	8	OFF	Setting air flow (Note 1)	Reset to SW1-7			
	9	Auto restart function	Effective	Not effective			
	10	Power ON/OFF	Effective	Not effective			
SW2 Capacity code switch	1~4	MODEL PKFY-P20VAM-A PKFY-P25VAM-A	SW2 ON 1 2 3 4		Set while the unit is off. <at delivery=""> Set for each capacity.</at>		
	1	Heat pump/Cool only	Cooling only	Heat pump	Indoor controller board		
	2	Capacity save	Available	Not available	Set while the unit is off.		
	3	Vane	Available	Not available	<at delivery=""></at>		
SW3	4	Reading change of LEV opening on reversion of after defrosting			ON OFF 1 2 3 4 5 6 7 8 9 10		
Function	5	Vane horizontal angle	Second setting	First setting	(Note 1) At cooling mode, each		
selection	6	Vane cooling limit angle setting (Note 1)	Horizontal angle	Down B,C	angle can be used only 1 hour.		
	7	Indoor linear expansion valve opening	Effective	Not effective			
	8	Heater 4 degreed up	Not effective	Effective			
	9	Target Superheat setting temperature	9 degreed	6 degreed			
	10	Target Subcool setting temperature	15 degreed	10 degreed			

Switch			Remarks			
SW11 1st digit address setting SW12 2nd digit address setting	Rotary switch	SW12 SW11	Address setting should be done when M-NET remote controller is being used.			
SW14 Connection No. Setting	Rotary switch	SW14	This is the switch to be used when the indoor unit is operated with R2 series outdoor unit as a set.	Address board <at delivery=""> SW14 SGO SGENERAL SCORE Address board</at>		
SW5 Voltage selection	2	220V 240V	If the unit is used at the 230V or 240V area, set the voltage to 240V. If the unit is used at the 220V, set the voltage to 220V.	Address board <at delivery=""> 220V 240V</at>		

DISASSEMBLY PROCEDURE

PKFY-P25VAM-A

Be careful on removing heavy parts.

OPERATION PROCEDURE

1. REMOVING THE LOWER SIDE OF THE INDOOR UNIT FROM THE INSTALLATION PLATE

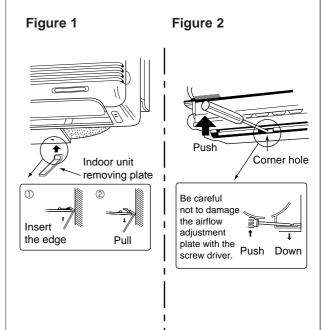
When there is removing plate

- Remove the corner box at right lower side of the indoor unit.
- (2) Insert the removing plate at the back side of the corner box to remove the indoor unit.
- (3) Remove the hook by pulling the lower side of the indoor unit down as shown in the figure 1.

When there is no removing plate or it can not be used for some reason.

- (1) Remove the front panel.
- (2) Insert the screw driver to the corner hole at both left and right side as shown in the figure **2**.
- (3) Push it up then, pull down the lower side of indoor unit and remove the hook.

PHOTOS & ILLUSTRATIONS

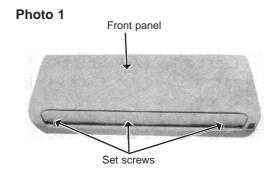


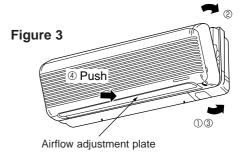
2. REMOVING THE FRONT PANEL

- Before removing the front panel, leave the open space at upper side of air flow adjustment plate approximately 2 to 3 cm.
- (1) Remove the screw caps then remove the set screws. (Refer to the photo 1)
- (2) Remove the left side of the front panel, then right side.
- (3) After removing the lower side of the front panel a little, remove it as pulling the upper side toward you.
- * Please pay attention to the nozzle assemble.

INSTALLING THE FRONT PANEL

- (1) Insert the lower side of the front panel under the air adjustment plate.
- (2) Set the upper side of the front panel.
- (3) Set the lower side of the front panel then fix it with the screws.
- (4) Press the area indicated as arrow sign and set it to the air conditioner unit.





OPERATION PROCEDURE

3. REMOVING THE INDOOR MICRO CONTROLLER BOARD AND INDOOR POWER BOARD

- (1) Remove the front panel. (Refer to 2)
- (2) Remove the electrical box cover (screw 4 X 10). (Refer to the photo 2)

INDOOR MICRO CONTROLLER BOARD

 Disconnect the following connectors on the indoor micro controller board.

(connector in front of)

- CN60, CN5V, CN34, CN29, CN21
- CN42, CN81, CN3A, CN20
- (2) Pull out the indoor micro controller board toward you, then disconnect the rest of connectors.
 - CN53M, CN35M (See the photo 3)

INDOOR POWER BOARD

- Disconnect the following connectors on the indoor power board.
 - FAN, CN53P, CN35P, CN2M, CND
- (2) Remove the screws of the indoor power board, then pull out the indoor power board toward you. (See the photo $\bf 3$)

PHOTOS & ILLUSTRATIONS

Photo 2

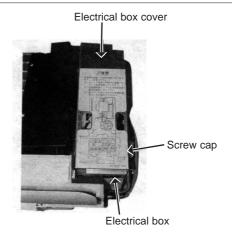
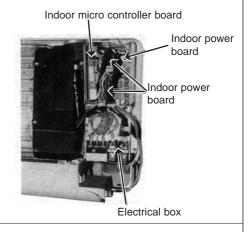
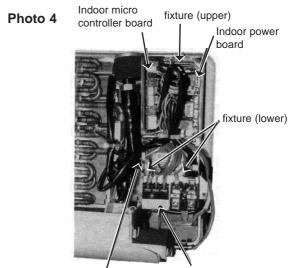


Photo 3



4. REMOVING THE ELECTRICAL BOX

- (1) Remove the front panel. (Refer to 2)
- (2) Remove the electrical box cover.
- (3) Pull the nozzle assembly toward you as opening the catch of the nozzle assembly.
- (4) Disconnect the indoor/outdoor connector.
- (5) Disconnect the following connector on the indoor micro controller board. (See the photo 4)
 - CN60, CN5V, CN34, CN29, CN21, CN20, CN3A
- (6) Disconnect the following connector on the indoor power board. (See the photo 4)
 - FAN, CN2M, CND
- (7) Disconnect the ground wire.
- (8) Pull the disconnected lead wire out from the electrical box.
- (9) Push up the upper fixture catch to remove the box, then pull the lower fixture and remove it from the box fixture.



Electrical box

Ground wire set screw

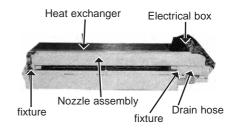
OPERATION PROCEDURE

5. REMOVING THE NOZZLE ASSEMBLY

- (1) Remove the front panel (Refer to 2).
- (2) Remove the electrical box cover.
- (3) Disconnect the connector (CN5V) on the indoor micro con troller board.
- (4) After unhook the right side of the corner box, press the upper left side and remove the corner box.
- (5) Remove the nozzle assemble from the fixture. (See the photo 5)
- (6) Remove the drain hose.

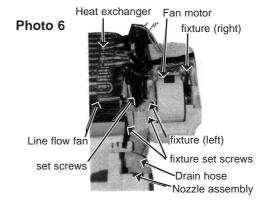
PHOTOS & ILLUSTRATIONS

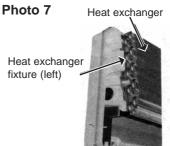
Photo 5



6. REMOVING THE LINE FLOW FAN AND THE FAN MOTOR

- (1) Remove the front panel. (Refer to 2)
- (2) Remove the nozzle assembly. (Refer to 5)
- (3) Remove the electrical parts box.
- (4) Remove the fixture while pressing the right side of motor fixture catch. (See the photo 6)
- (5) Remove the left side of the motor fixture.
- (6) Loosen the screw which fixes the line flow fan to the fan motor, then remove the fan motor by sliding it to the right side. (See the photo 6)
- (7) Pull the left-hand side of the heat exchanger toward you. (See the photo **7**)
- (8) Remove the line flow fan.





7. REMOVING THE VANE MOTOR

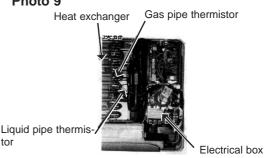
- (1) Remove the front panel.
- (2) Remove the screw of the electrical parts box cover, and remove the cover.
- (3) Remove the screw of the vane motor, and remove the motor from the shaft.
- (4) Disconnect the vane motor connector (CN5V) on the indoor controller board.

Photo 8 Heat exchanger Vane motor Vane motor connect screws Nozzle assembly

8. REMOVING THE LIQUID PIPE THERMISTOR AND GAS PIPE THERMISTOR

- (1) Remove the front panel. (Refer to 2)
- (2) Remove the electrical box cover.
- (3) Remove the pipe cover.
- (4) Cut the wiring fixed band.
- (5) Remove the liquid pipe thermistor and gas pipe thermistor. (See the photo 9)
- (6) Disconnect the connector (CN29) (CN21) on the indoor micro controller board.

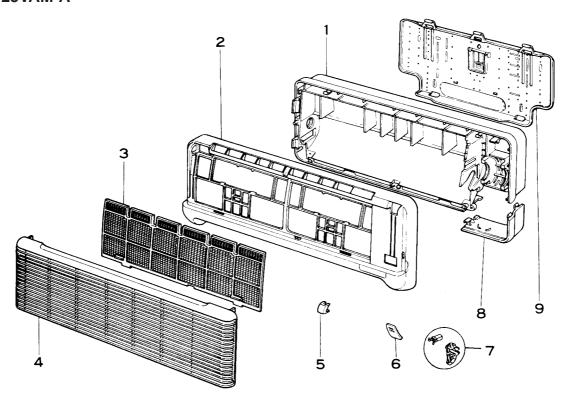
Photo 9



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PARTS LIST

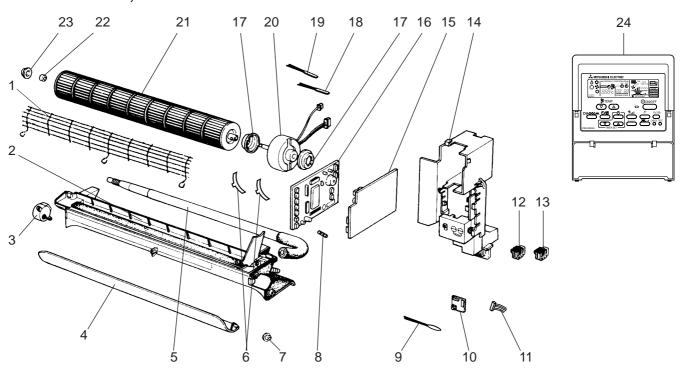
PANEL PARTS PKFY-P20VAM-A PKFY-P25VAM-A



Part number that is circled is not shown in the figure.

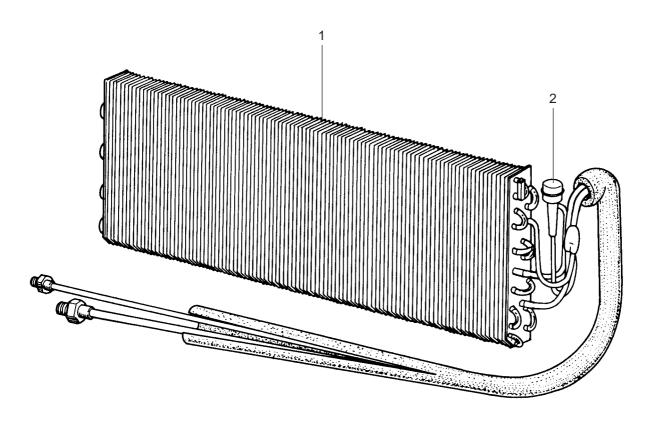
	. Parts No.	Parts Name	Specifications	Q'ty / set		Recom- mended Q'ty	Price	
No.				PKFY-P20VAM-A PKFY-P25VAM-A	Remarks (Drawing No.)		Unit	Amount
1	R01 22A 635	вох		1				
2	R01 22A 651	FRONT PANEL		1				
3	R01 22A 500	AIR FILTER		1				
4	R01 22A 691	INTAKE GRILLE		1				
5	R01 22A 096	SCREW CAP		1	3PCS/SET			
6	_	RECEVING COVER		1	(DT25C174H03)			
7	R01 22A 054	GRILLE CATCH		1				
8	T7W A00 658	CORNER BOX		1				
9	R01 22A 808	BACK PLATE		1				
10	_	BRAND LABEL		1	(BC79R798H02)			

ELECTRICAL PARTS PKFY-P20VAM-A, PKFY-P25VAM-A



	. Parts No.	Parts Name	Specifications	Q'ty / set			Wiring	Recom-	Price	
No.				PKFY- P20VAM-A	PKFY- P25VAM-A	Remarks (Drawing No.)		mended	Unit	Amount
1	T7W B00 675	FAN GUARD		1	1					
2	R01 22A 530	NOZZLE		1	1					
3	R01 22A 223	VANE MOTOR		1	1		MV			
4	R01 22A 002	AUTO VANE		1	1					
5	R01 22A 527	DRAIN HOSE		1	1					
6	R01 22A 126	MOTOR BAND	SET (LEFT, RIGHT)	1	1					
7	R01 07Y 092	VANE SLEEVE		1	1					
8	T7W 520 239	FUSE	250V 6.3A	1	1		FUSE			
9	T7W E12 202	ROOM TEMPERATURE THERMISTOR		1	1		TH21			
10	T7W B01 294	ADDRESS BOARD		1	1		A.B			
11	T7W E00 304	ADDRESS CABLE		1	1					
12	T7W 512 716	TERMINAL BLOCK	3P (L, N, ⊕)	1	1		TB2			
13	T7W E05 716	TERMINAL BLOCK	2P (M1, M2)	1	1		TB5			
14	_	ELECTRICAL BOX		1	1	(BG00J285G16)				
15	T7W E03 313	POWER BOARD		1	1		P.B			
16	R01 E27 310	INDOOR CONTROLLER BOARD		1	1		M.B			
17	R01 22A 105	RUBBER MOUNT		2	2					
18	R01 E38 202	PIPE TEMPERATURE THERMISTOR	GAS	1	1		TH23			
19	T7W E06 202	PIPE TEMPERATURE THERMISTOR	LIQUID	1	1		TH22			
20	T7W E11 762	FAN MOTOR	RC4V17-AA	1	1		MF			
21	R01 22A 114	LINE FLOW FAN		1	1					
22	R01 005 103	SLEEVE BEARING		1	1					
23	R01 22A 102	BEARING MOUNT		1	1					
24	_	REMOTE CONTROLLER	PAR-20MAA	1	1		R.B			

HEAT EXCHANGER PARTS PKFY-P20VAM-A PKFY-P25VAM-A



Г			Parts Name	Specifications	Q'ty / set			Wiring	Recom-	Price	
١	lo.	Parts No.			1	PKFY- P25VAM-A	Remarks (Drawing No.)	Diagram Symbol			Amount
ſ	4	T7W E83 480	HEAT EXCHANGER	With connection pipe	1						
	•	T7W E84 480	HEAT EXCHANGER	With connection pipe		1					
	2	R01 E27 401	LINEAR EXPANSION VALVE		1	1		LEV			

