

[8] TROUBLESHOOTING GUIDE

1. Self-Diagnosis Function and Display Mode

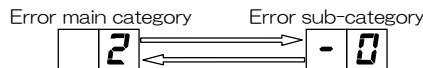
To call out the content of the self-diagnosis memory, hold down the emergency operation button for more than 5 seconds when the indoor unit is not operating.

- The number of indications displayed by the LEDs on the outdoor unit differs from that for the 2001 cooling unit models (for detailed display of malfunction information).

The display of malfunction No. differs from that of the 2001 cooling unit models. To show detailed malfunction information, two types of numbers flash alternately. (example: "21" ↔ "-0")

- The content of the self-diagnosis memory can be called out and displayed on the seven-segment display section on the indoor unit. (The error data cannot be called out for display by the LED on the outdoor unit.)
- If the power cord is unplugged from the AC outlet or the circuit breaker is turned off, the self-diagnosis memory loses the stored data.
 - (*1) The self-diagnosis display function of the indoor unit indicates the content of diagnosis by showing the error main category (number) and the error sub-category (-number) alternately in 1-second intervals on the seven-segment display section of the indoor unit.

Example of self-diagnosis display on indoor unit: Compressor high-temperature error

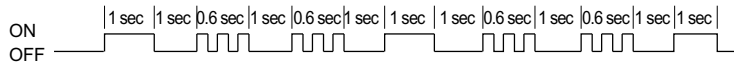


- (*2) The self-diagnosis display function of the outdoor unit indicates the error information by flashing LED1 on the outdoor unit according to the content of self-diagnosis.

The self-diagnosis display function of the outdoor unit is active only for about 3 to 10 minutes after self-diagnosis is performed during operation, and the display returns to normal condition after this display period.

The content of self-diagnosis cannot be called out by the self-diagnosis display function of the outdoor unit.

Example of self-diagnosis display on outdoor unit: Compressor high-temperature error



- (*3) The content of diagnosis is transferred to the indoor unit via serial communication, but it does not trigger a complete shutdown operation.

● : Flashes in 2-sec. intervals (normal), ● : On, × : Off, ● : Flashes 3 times in 0.2-sec. intervals (When LED1 on the outdoor unit flashes in 2-sec. intervals, the outdoor unit is in normal condition.)

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy
		Main category	Sub-category	Main category	Sub-category		
Indoor/outdoor units in operation	● Normal flashing	0	0		Normal	-	-
Indoor/outdoor units in complete shutdown	● 1 time	1	-0	Outdoor unit thermistor short-circuit	Heat exchanger thermistor short-circuit error	(1) Measure resistance of the outdoor unit thermistors. (TH2 to TH5: Approx. 4.4 kΩ at 25°C) (2) Check the lead wire of the outdoor unit thermistor for torn sheath and short-circuit. (3) No abnormality found in above inspections (1) and (2).	(1) Replace the outdoor unit thermistor assembly. (2) Replace the outdoor unit thermistor assembly. (3) Replace the outdoor unit control PWB assembly.
			-1		Outside temperature thermistor short-circuit error		
			-2		Suction thermistor short-circuit error		
			-3		2-way valve thermistor short-circuit error		

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy
		Main category	Sub-category	Main category	Sub-category		
Indoor/outdoor units in complete shutdown	● 2 times	2	-0	Cycle temperature	Compressor high-temperature error	(1) Check the outdoor unit air outlet for blockage. (2) Check if the power supply voltage is 200 V or higher at full power. (3) Check the pipe connections for refrigerant leaks. (4) Measure resistance of the outdoor unit compressor thermistor. (TH1: Approx. 53 kΩ at 25°C) (5) Check the expansion valve for proper operation.	(1) Ensure unobstructed air flow from the outdoor unit air outlet. (2) Connect power supply of proper voltage. (3) Charge the specified amount of refrigerant. (4) Replace the outdoor unit compressor thermistor assembly. (5) Replace the expansion valve coil, expansion valve or outdoor unit control PWB assembly.
Indoor unit in operation Outdoor unit in temporary stop			-1		Temporary stop due to compressor discharge overheat *3	(Temporary stop for cycle protection)	–
			-2		Temporary stop due to outdoor unit heat exchanger overheat *3	(Temporary stop for cycle protection)	–
			-3		Temporary stop due to outdoor unit heat exchanger overheat *3	(Temporary stop for cycle protection)	–
			-4		Temporary stop due to 2-way valve freeze *3	(Temporary stop for cycle protection)	–
Indoor unit in operation Outdoor unit in temporary stop	● 3 times	3	-0	Dry operation	Temporary stop due to dehumidifying operation *3	(Temporary stop for cycle protection)	–
Indoor/outdoor units in complete shutdown	● 5 times	5	-0	Outdoor unit thermistor open-circuit	Heat exchanger thermistor open-circuit error	(1) Check connector CN8 of the outdoor unit thermistor for secure installation.	(1) Correct the installation.
			-1		Outside temperature thermistor open-circuit error	(2) Measure resistance of outdoor thermistors TH1 to TH5.	(2) Replace the outdoor unit thermistor assembly.
			-2		Suction thermistor open-circuit error	(3) Check the lead wires of thermistors TH1 to TH5 on the outdoor unit control PWB for open-circuit.	(3) Replace the outdoor unit thermistor assembly.
			-3		2-way valve thermistor open-circuit error	(4) No abnormality found in above inspections (1) through (3).	(5) Replace the outdoor unit control PWB assembly.
			-4		Discharge thermistor open-circuit error		

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy
		Main category	Sub-category	Main category	Sub-category		
Indoor/outdoor units in complete shutdown	● 6 times	6	-0	Outdoor unit DC	DC over current error	(1) IPM continuity check (2) Check the IPM and heat sink for secure installation. (3) Check the outdoor unit fan motor for proper rotation. (4) No abnormality found in above inspections (1) through (3). (5) No abnormality found in above inspections (1) through (4).	(1) Replace the outdoor unit control PWB assembly. (2) Correct the installation (tighten the screws). (3) Replace the outdoor unit fan motor. (4) Replace the outdoor unit control PWB assembly. (5) Replace the compressor.
			-1		IPM pin level error	Check the IPM is attached correctly to the outdoor unit control PWB.	Replace the outdoor unit control PWB assembly.
Indoor/outdoor units in complete shutdown	● 7 times	7	-0	Outdoor unit AC	AC over current error	(1) Check the outdoor unit air outlet for blockage. (2) Check the outdoor unit fan for proper rotation.	(1) Ensure unobstructed air flow from the outdoor unit air outlet. (2) Check the outdoor unit fan motor.
			-1		AC over current error in OFF status	(1) IPM continuity check	(1) Replace the outdoor unit control PWB assembly.
			-2		AC maximum current error	(1) Check the outdoor unit air outlet for blockage. (2) Check the outdoor unit fan for proper rotation.	(1) Ensure unobstructed air flow from the outdoor unit air outlet. (1) Check the outdoor unit fan motor.
			-3		AC current deficiency error	(1) Check if there is an open-circuit in the secondary winding of the current transformer of the outdoor unit control PWB. (2) Check if the refrigerant volume is abnormally low. (3) Check if the refrigerant flows properly.	(1) Replace the outdoor unit control PWB assembly. (2) Charge the specified amount of refrigerant. (3) Correct refrigerant clogs. (2-way valve, 3-way valve, pipe, expansion valve)

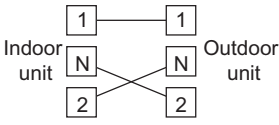
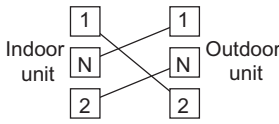
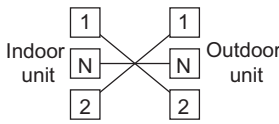
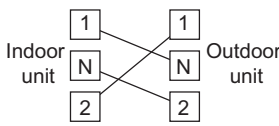
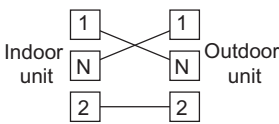
Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy	
		Main category	Sub-category	Main category	Sub-category			
Indoor/outdoor units in complete shutdown	● 9 times	9	-0	Outdoor unit cooling/heating switch over	Thermistor installation error or 4-way valve error	(1) Check to make sure outdoor unit thermistor TH2 (heat exchanger) and TH5 (2-way valve) are installed in correct positions. (2) Measure resistance of thermistors TH1 and TH5. (3) Check the 4-way valve for proper operation. (4) No abnormality found in above inspections (1) through (3).	(1) Correct the installation. (2) Replace the thermistor assembly. (3) Replace the 4-way valve. (4) Replace the outdoor unit control PWB assembly.	
			-3		Torque control error			(1) Check if the refrigerant volume is abnormally low. (2) Check the 4-way valve for proper operation. (3) check to see compressor type is correct.
			-4	Gas leak error	(1) Check to make sure outdoor unit thermistor TH2(heateexchange) or indoor unit thermistor TH2(heateexchange) is installed in correct positions. (2) Check of the refrigerant volume is abnormally low.			
Indoor/outdoor units in complete shutdown	● 10 times	10	-0	EEPROM error		EEPROM (outdoor) error		(1) Replace the outdoor unit control PWB assembly.
			-1		EEPROM (outdoor) data error			
Indoor/outdoor units in complete shutdown	● 11 times	11	-0	Outdoor unit DC fan	Outdoor unit DC fan rotation error	(1) Check connector CN3 of the outdoor unit DC fan motor for secure installation. (2) Check the outdoor unit fan motor for proper rotation. (3) Check fuse FU3. (4) Outdoor unit control PWB	(1) Correct the installation. (2) Replace the outdoor unit fan motor. (3) Replace the outdoor unit control PWB assembly. (4) Replace the outdoor unit control PWB assembly.	
Indoor/outdoor units in complete shutdown	● 12 times	12	-0	outdoor terminal board fuse	outdoor terminal board fuse open error	(1) Check connector CN10 for secure installation. (2) Check the fuse open of outdoor terminal board.	(1) Correct the installation. (2) Replace the outdoor terminal board.	

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy		
		Main category	Sub-category	Main category	Sub-category				
Indoor/outdoor units in complete shutdown	● 13 times	13	-0	DC compressor	Compressor startup error	(1) Check the colors (red, white, orange) of the compressor cords for proper connection. (PWB side, compressor side)	(1) Correct the installation. (U: Red, V: White, W: Orange)		
			-1		Compressor rotation error (120° energizing error)	(2) Check if the IPM terminal resistance values are uniform. (3) No abnormality found in above inspections (1) and (2).	(2) Replace the outdoor unit control PWB assembly. (3) Replace the outdoor unit control PWB assembly.		
			-2		Compressor rotation error (180° energizing error)	(4) No abnormality found in above inspections (1) through (3).	(4) Replace the compressor.		
			-3		Inverter current detection circuit error	Check inverter current detection circuit.	Replace the outdoor unit control PWB assembly.		
Indoor/outdoor units in complete shutdown	● 14 times	14	-0	Outdoor unit PAM	PAM over voltage error Compressor rotation error	(1) Check the AC power supply voltage for fluctuation. (2) No abnormality found in above inspection (1).	(1) Connect stable power supply. (2) Replace the outdoor unit control PWB assembly.		
Indoor/outdoor units in operation			-1		PAM clock error	(1) Check the PAM clock for proper input.	(1) Replace the outdoor unit control PWB assembly.		
Indoor unit in operation Outdoor unit in complete shutdown	●	17	-0	Wires between units	Serial open-circuit	(1) Check the wires between units. (2) Check voltage between Nos. 1 and 2 on the indoor/outdoor unit terminal boards.	(1) Connect stable power supply. (2) Replace the outdoor unit control PCB assembly.		
					×	Outdoor unit does not turn on due to erroneous wiring	(1) Check the wires between units. (2) Check the outdoor unit fuse. (3) Check 15-V, 13-V and 5-V voltages on the PWB. Check resistance between IPM terminals. (4) Check pins No. 5 and 7 of connector CN3 of the outdoor unit fan motor for short-circuit. (5) Outdoor unit control PCB	(1) Correct the wiring. (2) Replace the fuse/outdoor unit control PCB assembly. (3) Replace the outdoor unit control PCB assembly. (4) Replace the outdoor unit fan motor. (5) Replace the outdoor unit control PCB board.	
	●					-0	Serial short-circuit	(1) Check the wires between units.	(1) Correct the wiring.
						-1	Serial erroneous wiring	(1) Check the wires between units.	(1) Correct the wiring.

Status of indoor/outdoor units	Indication by LED1 on outdoor unit *2	Malfunction No. displayed on main unit display section *1		Content of diagnosis		Inspection location/method	Remedy
		Main category	Sub-category	Main category	Sub-category		
Indoor/outdoor units in complete shutdown	×	19	-0	Indoor unit fan	Indoor unit fan error	(1) Check the indoor fan motor for proper rotating operation.(Check fan lock.) (2) Check the lead wire of the indoor fan motor for open-circuit. (3) Check CN1 of the indoor unit fan motor for secure installation. (4) No abnormality found in above inspections (1) through (3).	(1) Replace the indoor fan motor. (2) Replace the indoor fan motor. (3) Correct the installation of CN1 of the indoor fan motor. (4) Replace the indoor unit control PWB.
Indoor/outdoor units in operation	×	20	-0	Indoor unit control PCB	EEPROM data error	(EEPROM read data error)	Replace the indoor unit control PWB.
Indoor/outdoor units in operation	×	29	-0	Panel	Panel open error	(1) Caught of panel hook	(1) Replace or adjustment of the panel.
			-1		Panel close error	(2) Limit switch breakdown	(2) Replace the limit switch.
Indoor/outdoor units in operation	×	88		Control and display PCB	Communication error	(1) Check for disconnected connector between control PCB and display PCB, and open-circuit in lead wires. (2) Check that control PCB outputs signals correctly.	(1) Insert connectors correctly, or replace control PWB. (2) Replace control PWB.

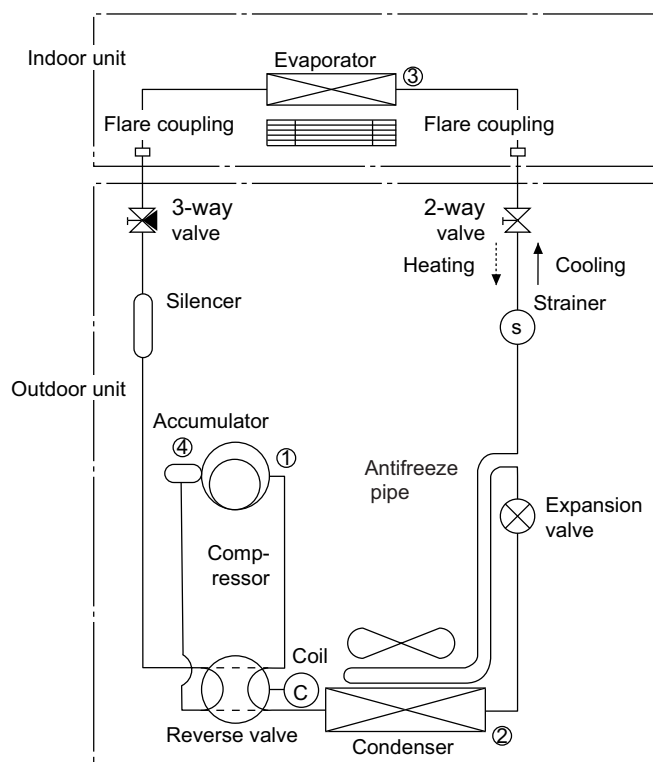
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Malfunction indications due to erroneous wiring during air conditioner installation

Inter-unit wiring error mode	Symptom
<p>1</p> 	<p>Malfunction diagnosis display "18-1"</p>
<p>2</p> 	<p>Malfunction diagnosis display None (Displays "18-0" when malfunction code is called out.)</p>
<p>3</p> 	<p>Malfunction diagnosis display None (Displays "18-0" when malfunction code is called out.)</p>
<p>4</p> 	<p>Malfunction diagnosis display "18-1"</p>
<p>5</p> 	<p>Malfunction diagnosis display "18-1"</p>

CHAPTER 4. REFRIGERATION CYCLE

[1] FLOW FOW REFRIGERANT



[2] STANDARD CONDITION

	Indoor side		Outdoor side	
	Dry-bulb Temp. (°C)	Relative Humidity (%)	Dry-bulb Temp. (°C)	Relative Humidity (%)
Cooling	27	47	35	40
Heating	20	—	7	87

* REFRIGERANT PIPE LENGTH 5m

[3] TEMPERATURE AT EACH PART AND PRESSURE IN 3-WAY VALVE

Model	12KHR-N	
	Cooling	Heating
Temp. on ① (°C)	67	56
Temp. on ② (°C)	37	3
Temp. on ③ (°C)	14	22
Temp. on ④ (°C)	17	5
3-way valve pressure (MPaG)	1.00	2.09

* On test run mode

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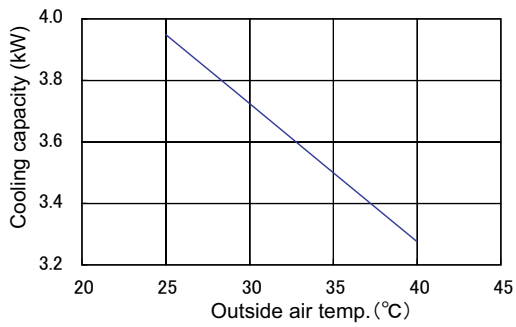
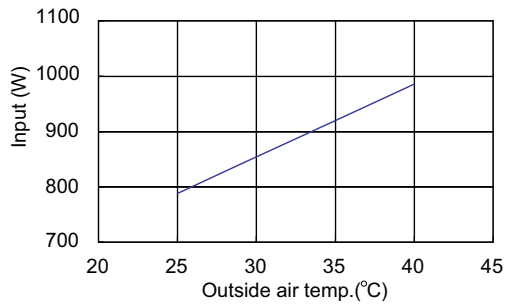
[4] PERFORMANCE CURVES

NOTE

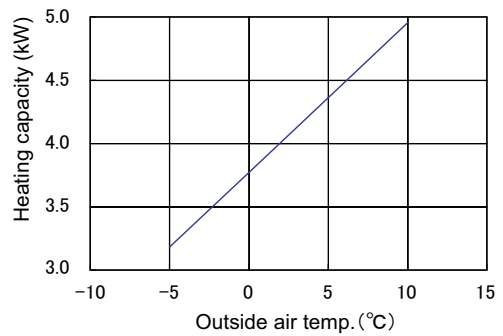
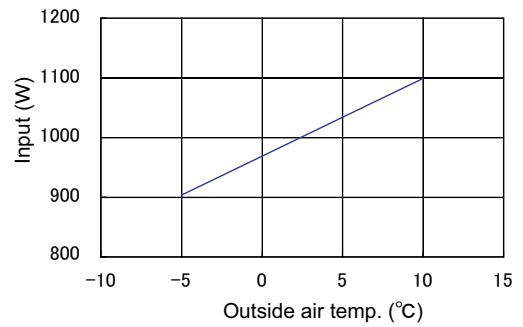
- 1) Indoor fan speed: Hi
- 2) Vertical adjustment louver "45°", Horizontal adjustment louver "front"
- 3) Indoor air temp. : Cooling 27°C, Heating 20°C
- 4) Power source : 230V, 50Hz

1. 12KHR-N

1.1. At Cooling



1.2. At Heating



CHAPTER 5. DISASSEMBLING PROCEDURE

If, in carrying out repairs and modifications, the work requires the use of arc- and flame-producing apparatus, such as welding, brazing and soldering equipment, this work shall only be started after the rooms have been thoroughly ventilated. While the work is being carried out, the mechanical ventilation, if any, shall be kept in constant operation and all windows and doors kept open. In the case of repairs to parts of the refrigerant circuit, it may be necessary that not only the workman but also a second person shall be present for observation and assistance.

Necessary protective equipment shall be available and, in the case of open flames or arcs, fire extinguishing apparatus shall be ready to hand.

Welding and brazing shall be carried out by qualified workmen.

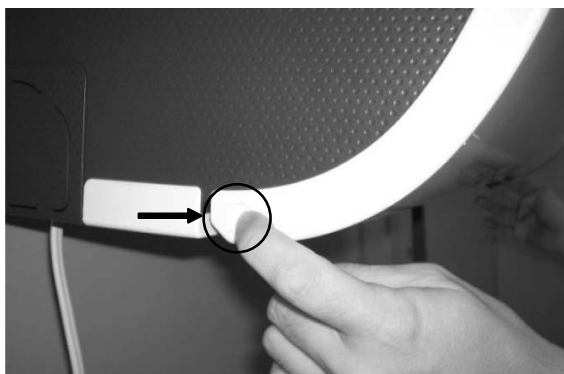
[1] DISASSEMBLY OF INDOOR UNIT

Be sure to disconnect the power cord from the AC power outlet before starting the disassembly procedure. When reassembling the unit after repairing, be sure to install screws to their original positions.

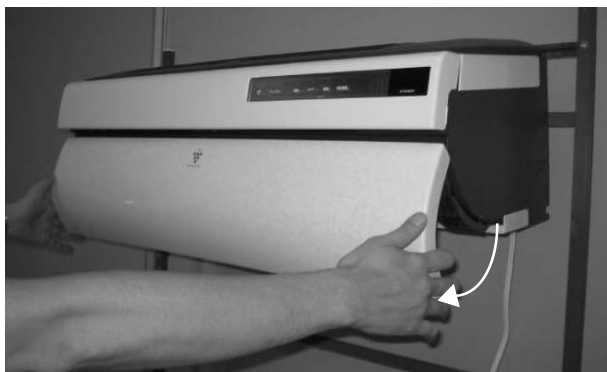
The screws used are not the same in specifications such as corrosion-resistant treatment, tip shape and length.

After the air conditioner is repaired or parts are replaced, measure insulation resistance of the equipment using an insulation resistance meter. If the measured resistance is lower than 1 M Ω , inspect parts and repair or replace defective parts.

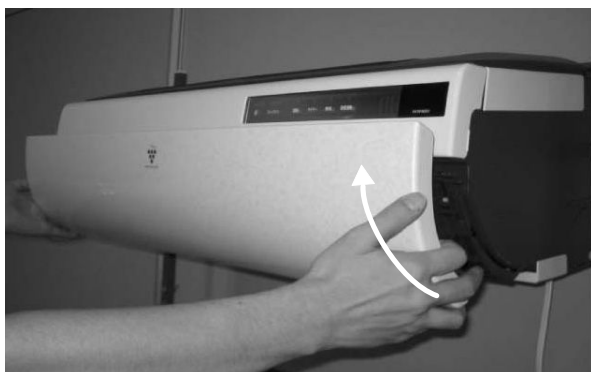
1) The lock button on a lower both sides of the panel is pushed.



2) The lower side of the panel is pulled forward.



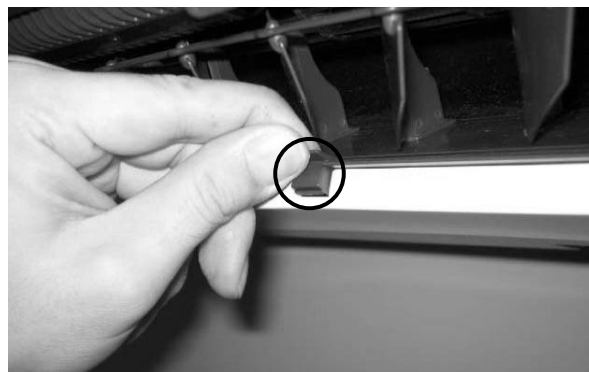
3) The panel is raised up and removed.



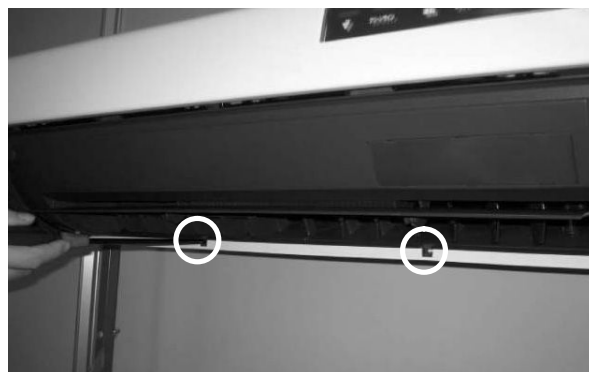
4) The filter cover is opened, and one screw at the center is removed.



5) The 2 screw covers are removed. (plunder the balloon entrance)



6) The 2 screws are removed.

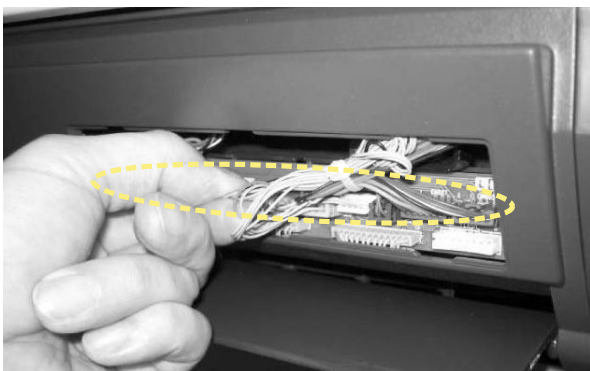


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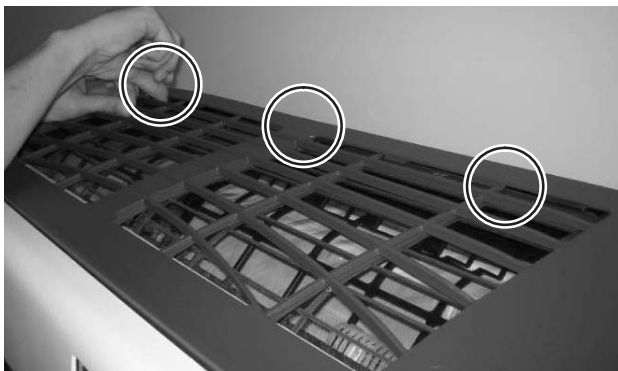
7) Remove the connector cover. (use the (-) screwdriver).



8) All of the nine connectors are removed.



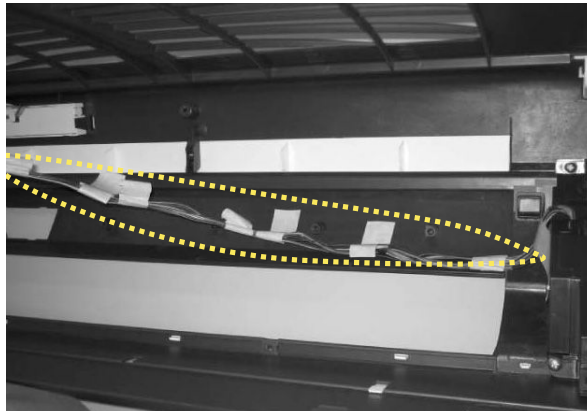
9) The hook three places of the part interior of front panel on are removed.



10) Front panel is pulled to front this side and removed.



11) The tapes that is the fixation of the lead wire is peeled off.



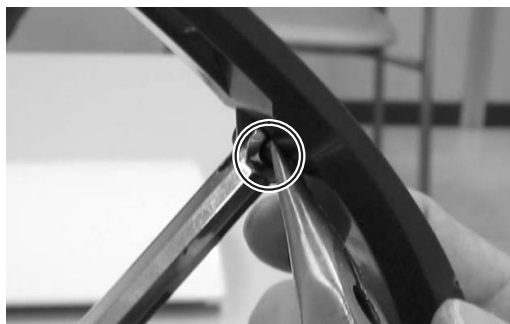
12) The panel base is drawn out forward. (both sides)



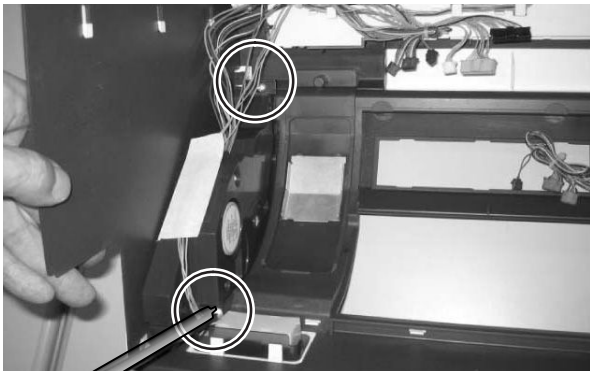
13) The gear is turned, and the panel base is removed. For a minus screw driver etc.



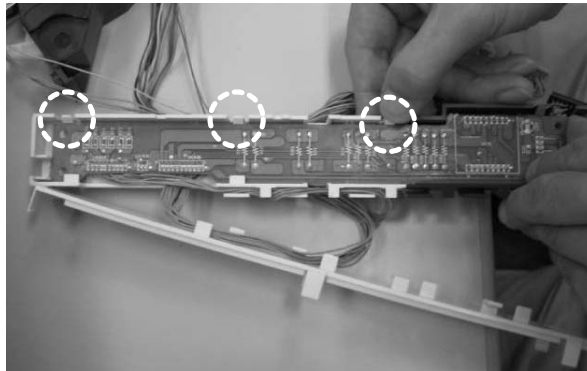
14) The pin that is the fixation of the panel base and the link is removed.



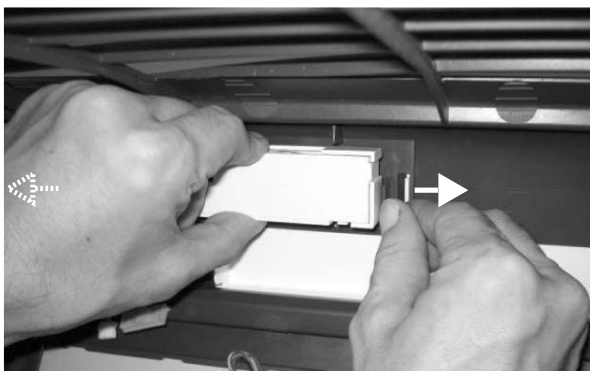
15)The panel mechanism assembly is removed. (2 screws)



19)The display printed board is removed. (Hook three places)



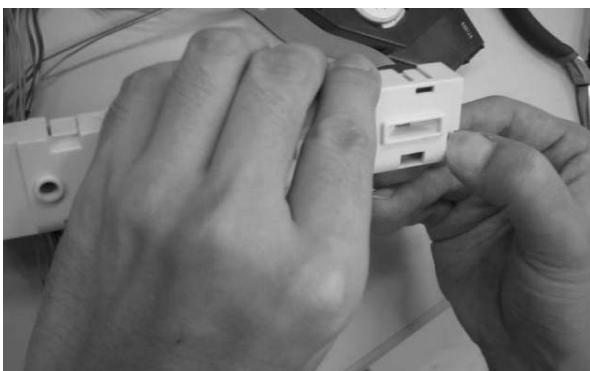
16)The display assembly is removed. (right and left two hooks place)



20)The panel mechanism cover is removed. (3 screws)



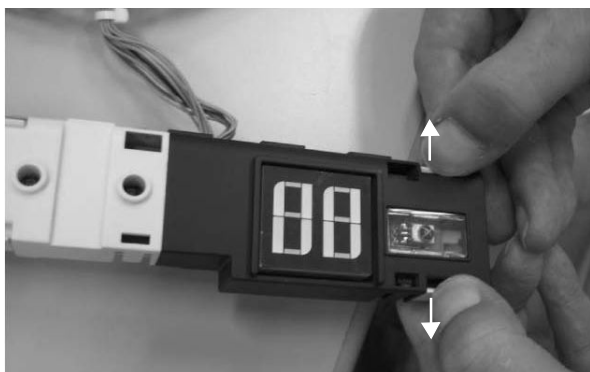
17)The cover of the display printed board is removed.



21)The screw that is the fixation of the panel motor is removed, and is turned to the left and it is removed.



18)The display panel is removed.

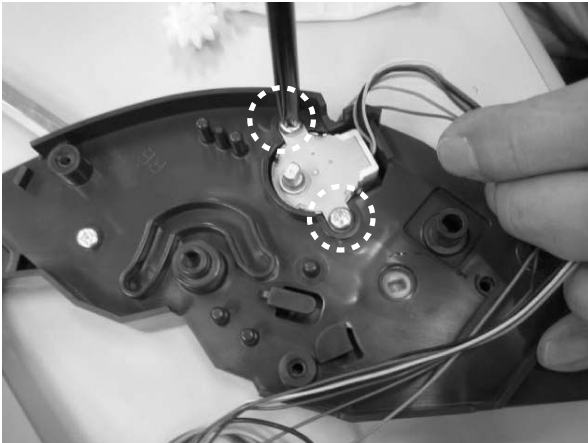


22)The gear, the crank, and the arm are removed.

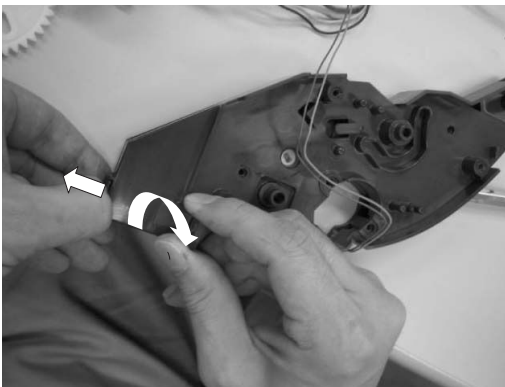


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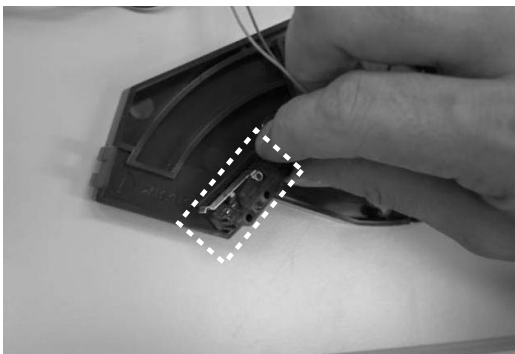
23)The panel motor is removed. (2 screws)



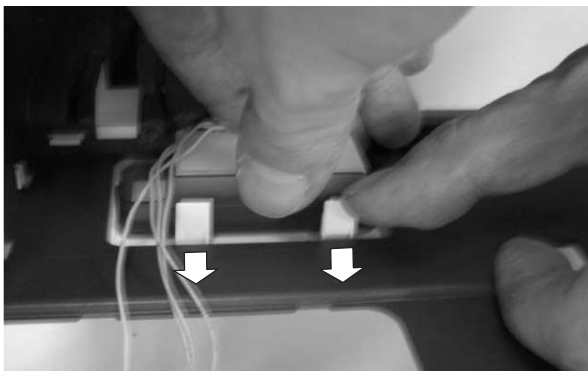
24)The mechanism case is removed. (Hook one place)



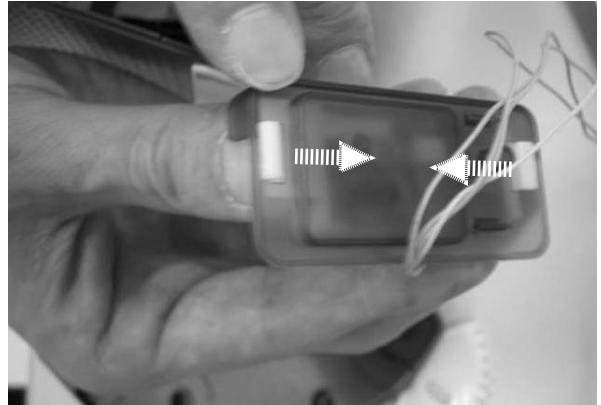
25)The limit switch is removed.



26)The reception part is removed. (Hook two places)



27)The reception cover is removed.



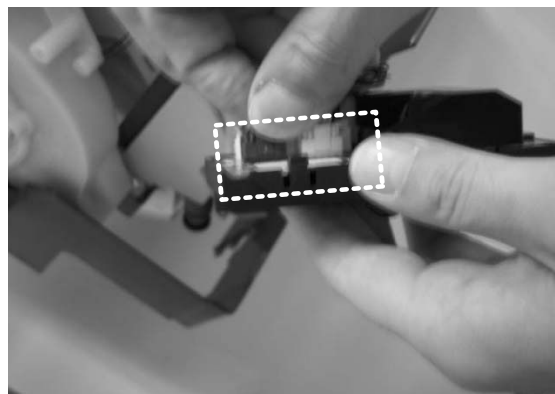
28)The fixing band of the sub.printed boad assembly is cut.



29)The sub.printed boad assembly is removed. (2 screws)



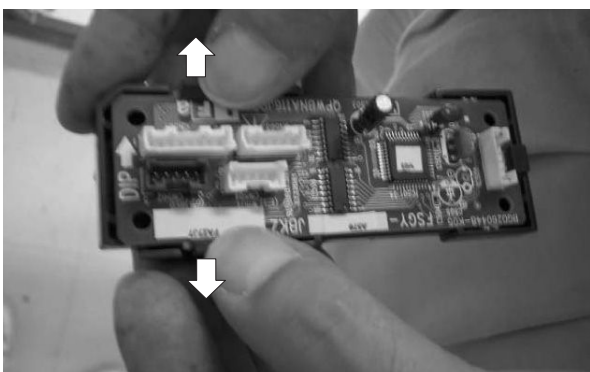
30)Five connectors are removed from sub. printed boad.



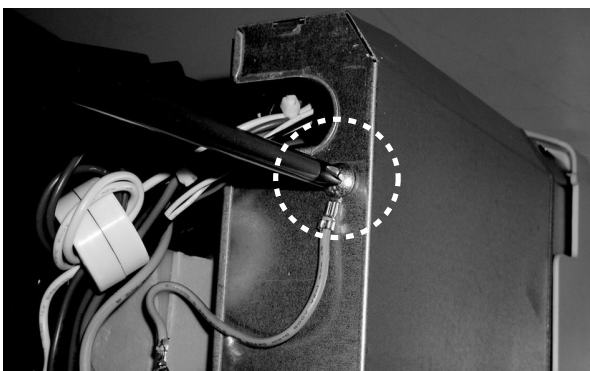
31)The sub.printed board cover is removed. (Hook two places)



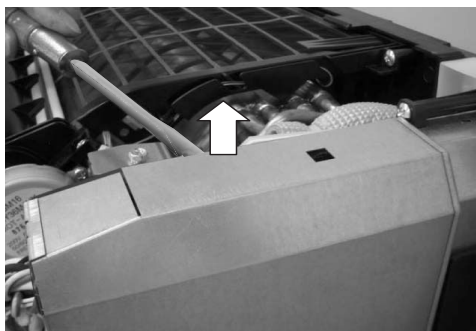
32)The sub.printed board is removed. (Hook two places)



33)A fixed screw for P.W.B. box cover is removed.



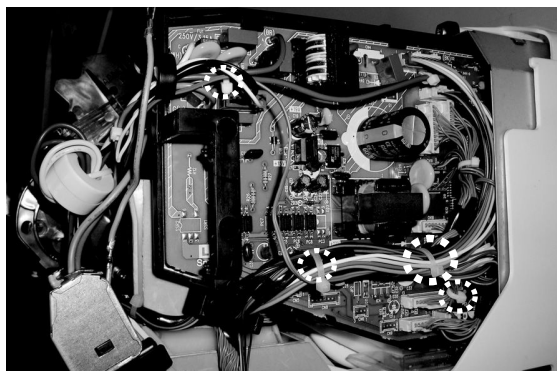
34)Hook is removed by handling a minus driver.



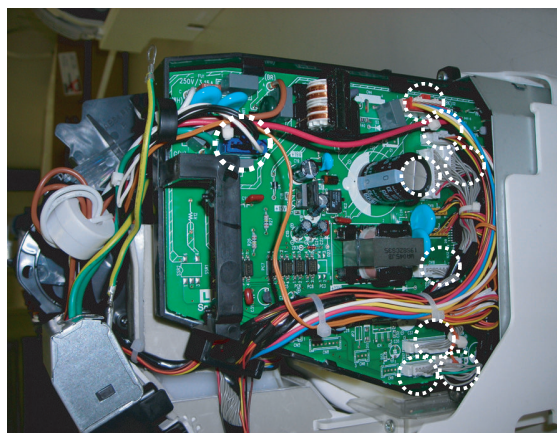
35)The P.W.B. box cover is removed.



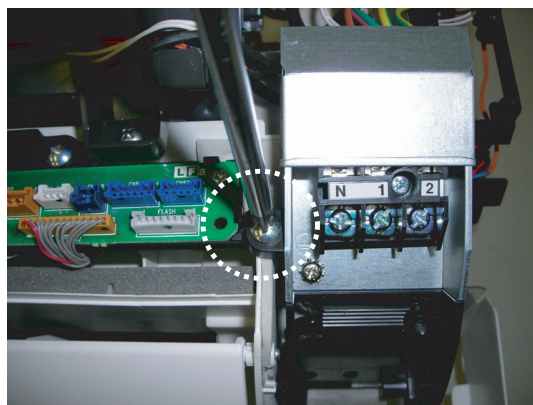
36)The fixing band in the P.W.B. assembly is cut. (4 parts)



37)The connectors in nine places are removed.

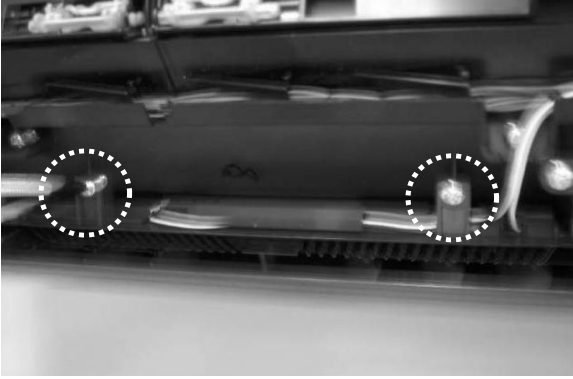


38)The Terminal board removed. (1 screw)



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39)The plasmacluster assembly is removed. (2 screws)



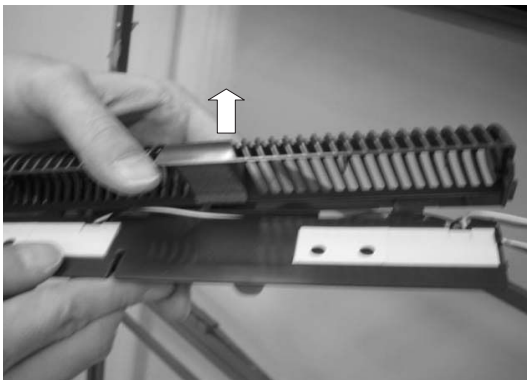
40)The plasmacluster assembly is pulled forward, and detached.



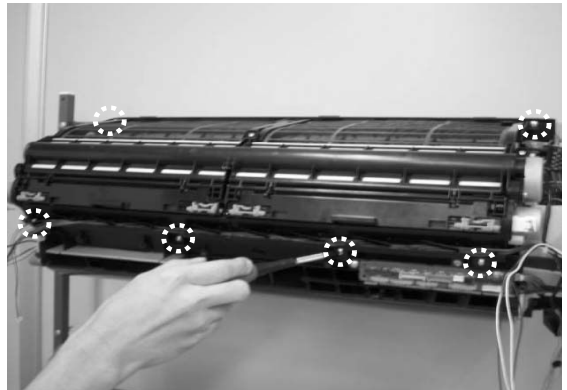
41)Two hooks of the plasmacluster cover are removed by using (-) screwdriver.



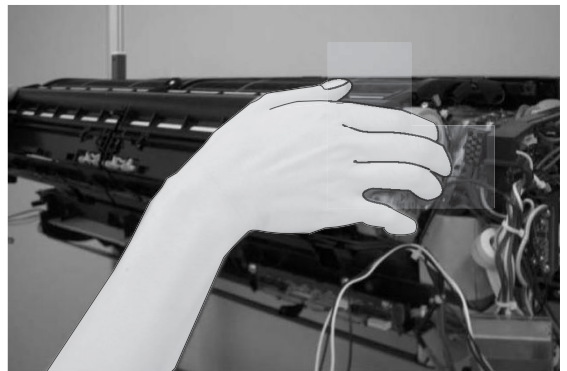
42)After the plasmacluster that removes the PC cover is taken out, the wire connector is removed.



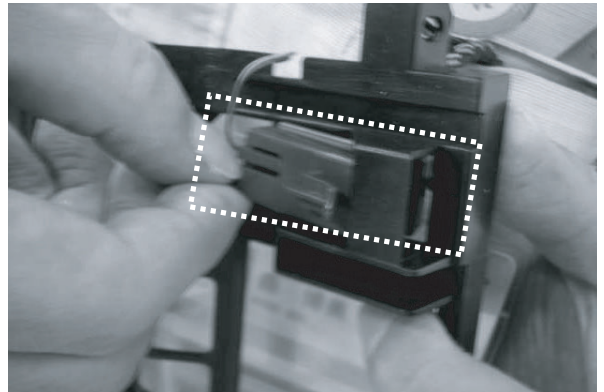
43)Six screws for the fixation of the air filter cleaning mechanism assembly is removed.



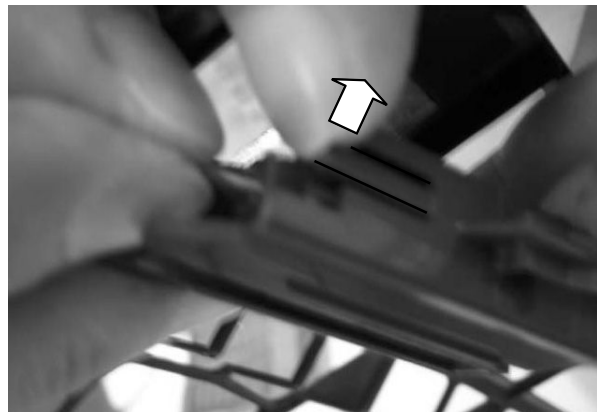
44)Air filter cleaning mechanism assembly is pulled forward and removed.



45)The limit switch cover is removed.



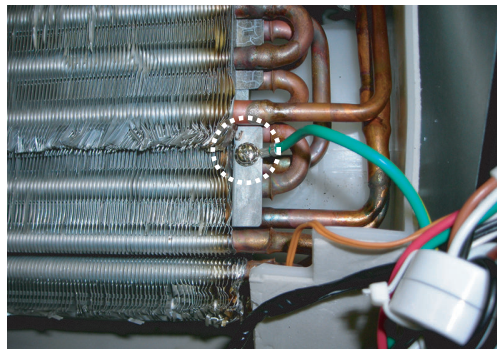
46)The limit switch is removed. (Hook one place)



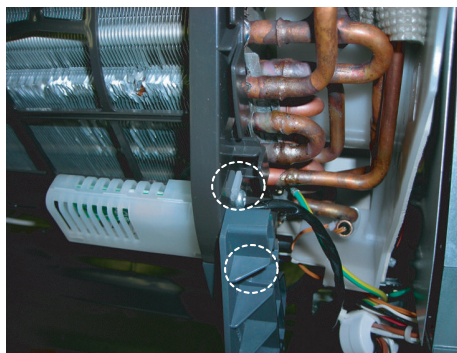
47)The wire connector of the limit switch is removed.



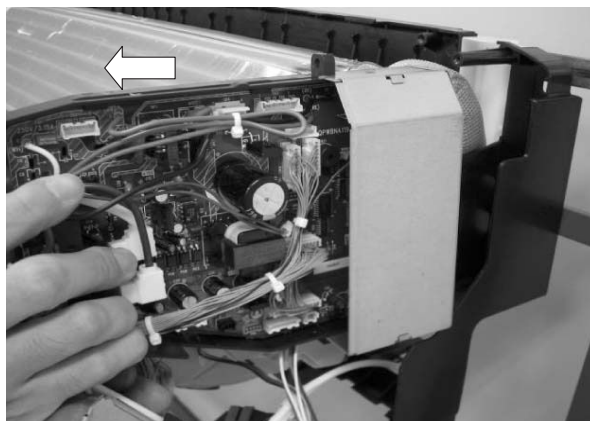
51)The earth cable is removed. (1 earth screw)



48)The thermally sensitive resistor holder is removed.
(Hook two places)



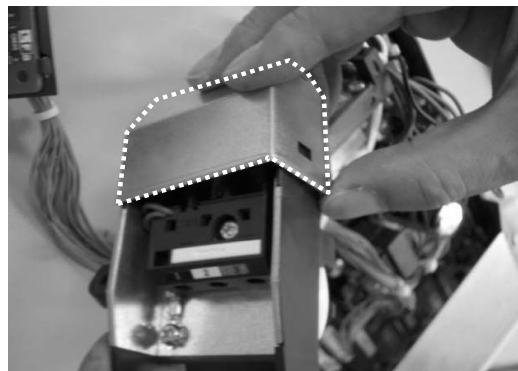
52)The P.W.B. assembly is drawn out forward.



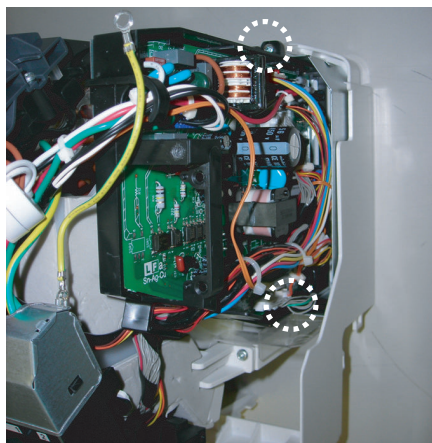
49)The relay printed board holder removed. (2 screws)



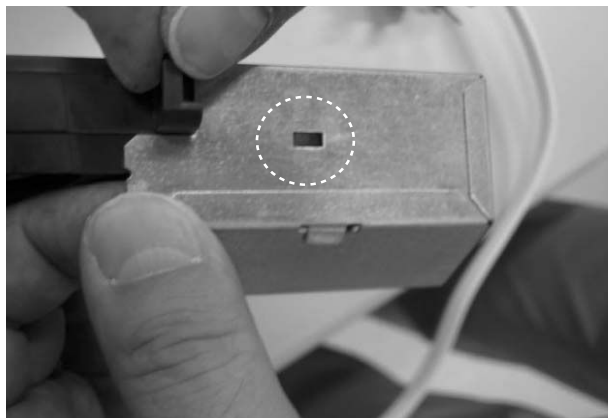
53)The Terminal cover of the Terminal stand assembly is removed.
(Hook two places)



50)P.W.B. assmby is removed. (2 screws)

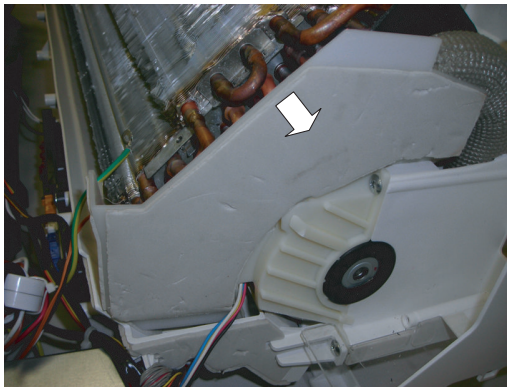


54)The P.W.B. box cover is removed. (Hook one place) And the control bord unit is removed.



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55)The dew cover is removed. (The slide is done right and remove.)



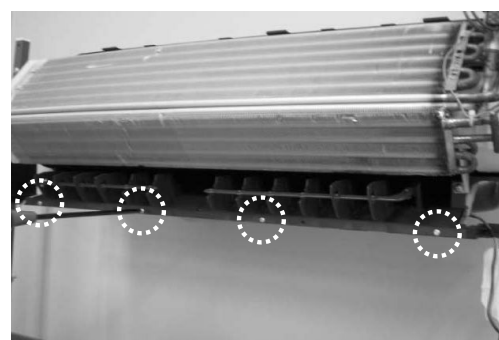
59)The drain pan is detached.



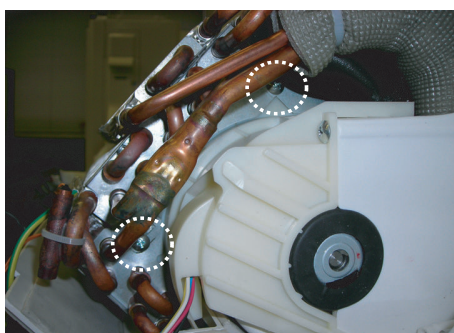
56)Two screws of cover L are removed.



60)Four fixed screws of the vertical direction louver stand assembly removed.



57)Two screws for the evaporator fixation (right side) are removed.



61)Driving motor of the vertical direction louver stand assembly is removed. (2 screws)



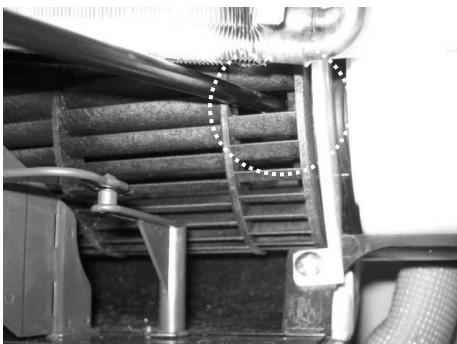
58)One screw for the drain pan fixation (right side) is removed.



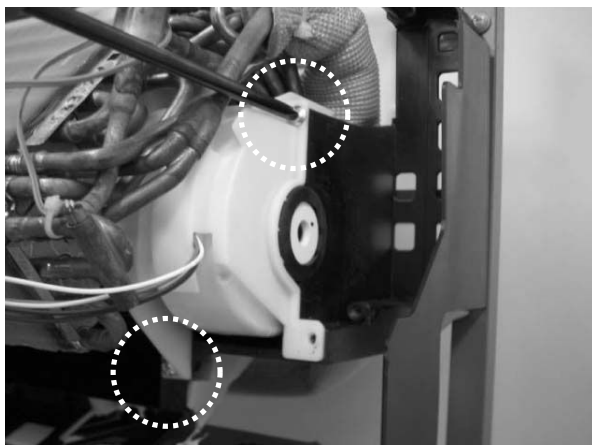
62)The bearing holder is removed. (1 screw)



63)The cross flow fan fixation screw is loosened.

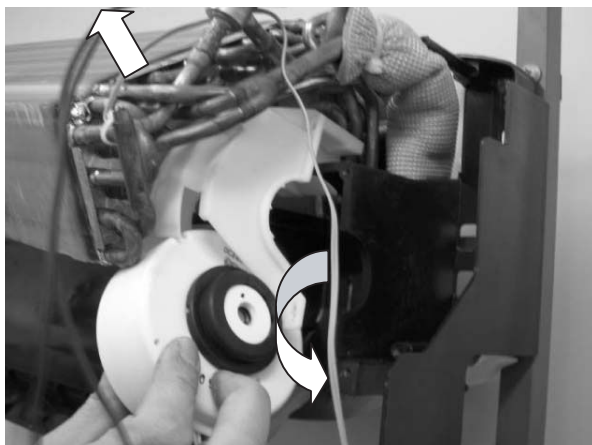


64)The two screws for the fan motor cover fixation are removed.



65)The cross flow fan is pulled out at the left of the unit and it removes.

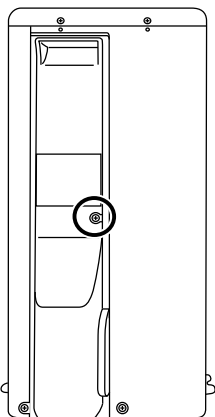
66)Fan motor is removed.



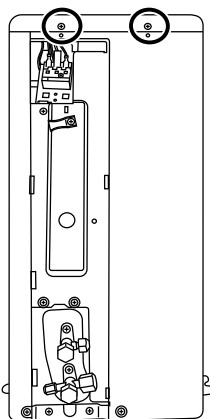
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[2] DISASSEMBLY OF OUTDOOR UNIT

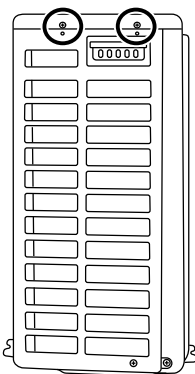
1) The fixed screw of control box cover is removed and control box cover is removed.



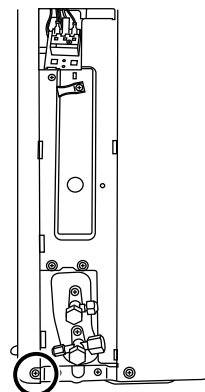
2) The 2 screws on the right-hand side of top plate ass'y is removed.



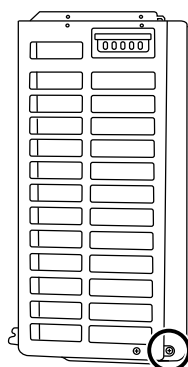
3) The 2 screws on the left-hand side of top plate ass'y is removed.



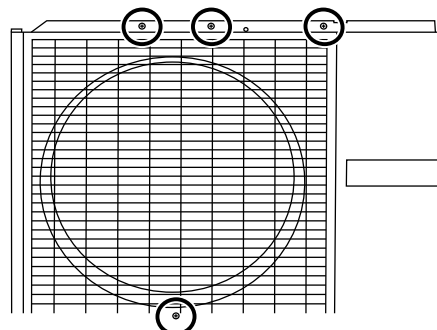
4) The screw on the right-hand side of front panel is removed



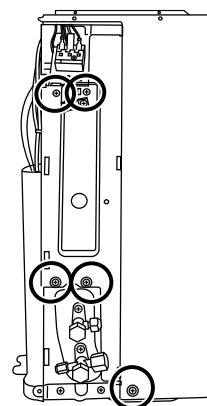
5) The screw on the right-hand side of front panel is removed



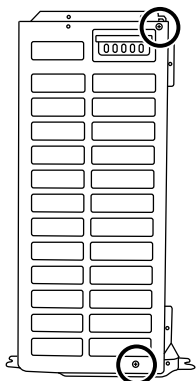
6) The 4 screws of the front of a front panel is removed.



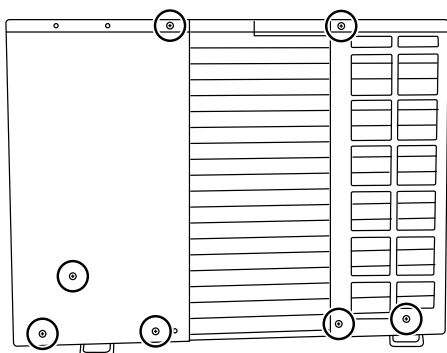
7) The 5 screws on the right-hand side of side cover R is removed.



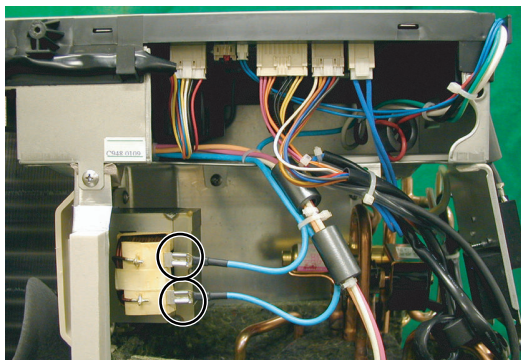
8) The 2 screws on the right-hand side of side cover L is removed.



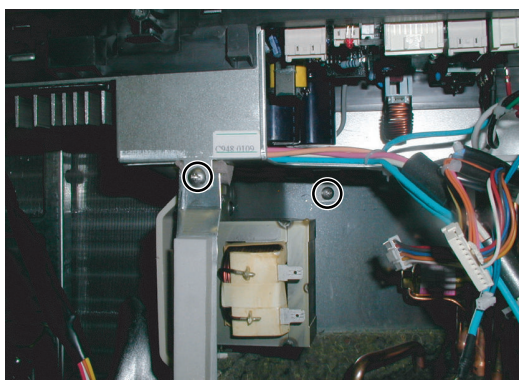
9) The 7 screws of the side cover L and side cover R back is removed.



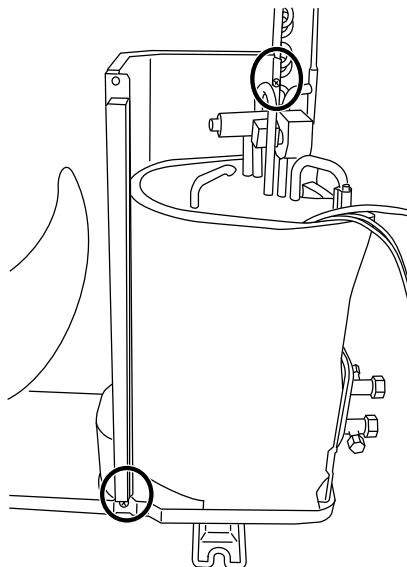
10)The connectors in the control box BOX and reactor is removed.



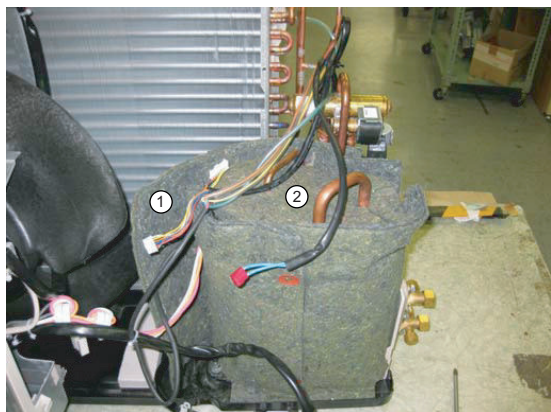
11)A control box BOX fixed 2 screws is removed.



12)A bulkhead plate fixed 2 screws is removed.



13)The compressor covers 1, 2 removed.

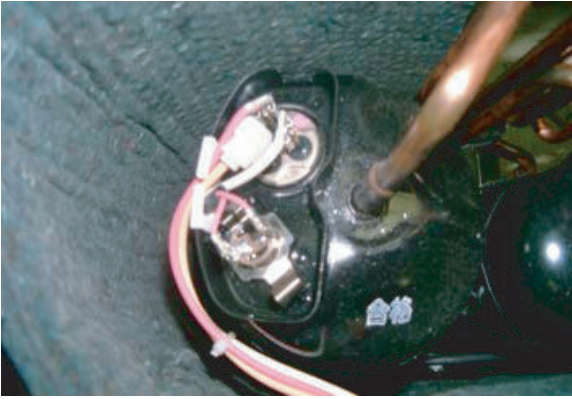


14)A nut is removed and a terminal cover is removed.

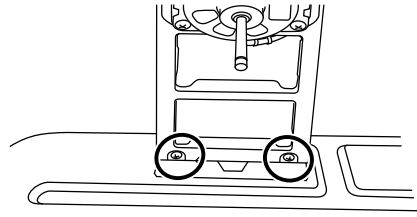


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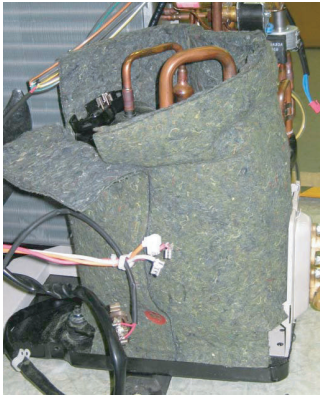
15) A lead wire, a thermistor, and a cover gasket are removed.



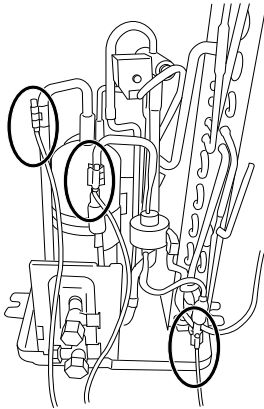
19) The fixed 2 screws of a motor angle is removed.



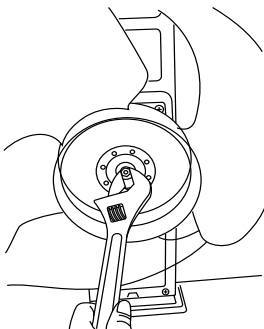
16) The compressor cover is removed.



17) A thermistor is removed. (1 place)

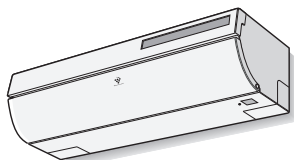


18) An outdoor fan is removed.





PARTS GUIDE



SPLIT TYPE AIR TO AIR HEAT PUMP

MODEL **12KHR-N**

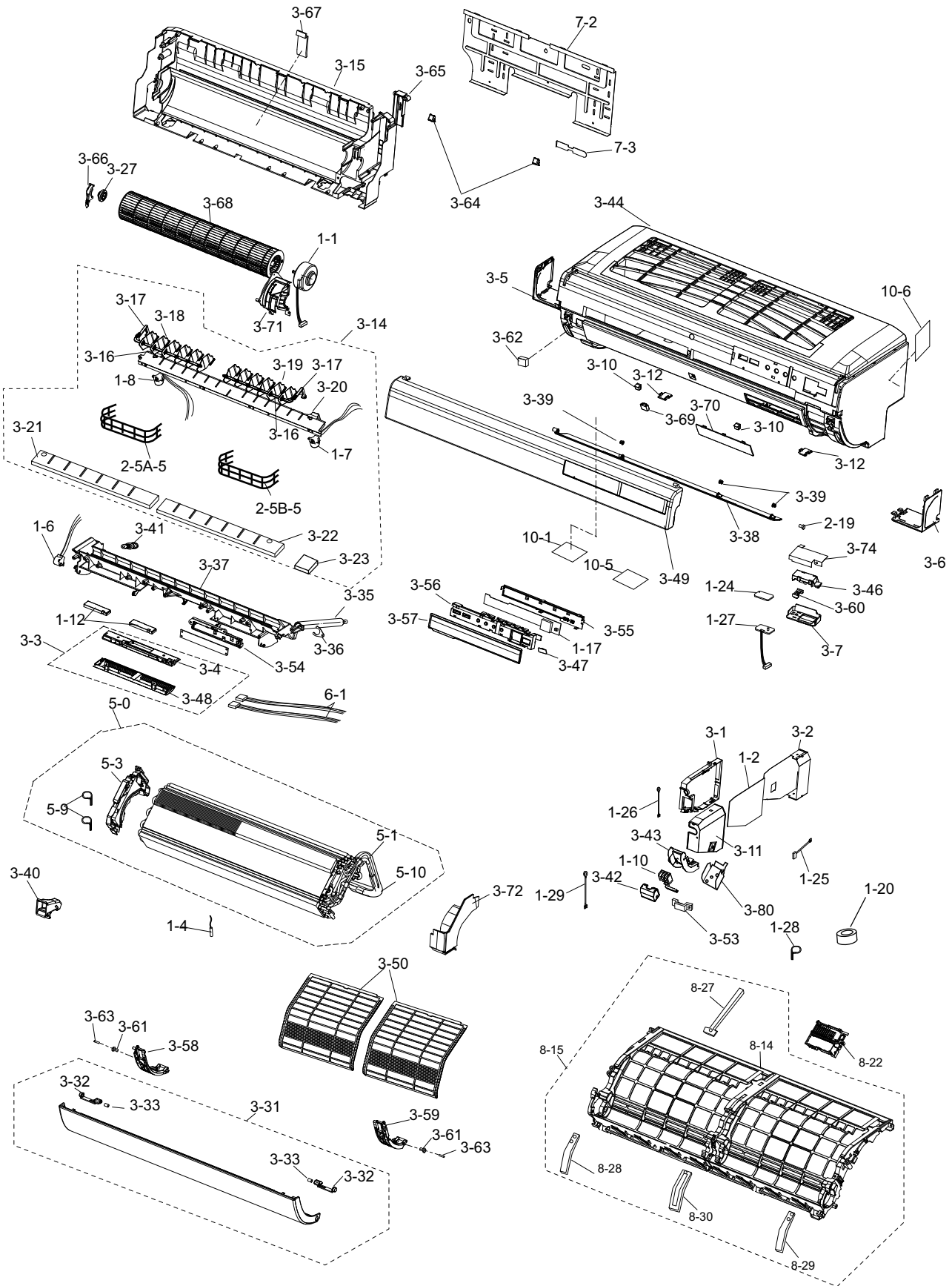
In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

- | | |
|---|---------------------------|
| [1] INDOOR UNIT PARTS | [6] INDOOR PACKING PARTS |
| [2] Panel opening and shutting mechanism R Assembly | [7] OUTDOOR UNIT PARTS |
| [3] Panel opening and shutting mechanism L Assembly | [8] OTHER PARTS |
| [4] ACCESSORY PARTS | [9] OUTDOOR PACKING PARTS |
| [5] OTHER PARTS | ■ INDEX |

Parts marked with "▲" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

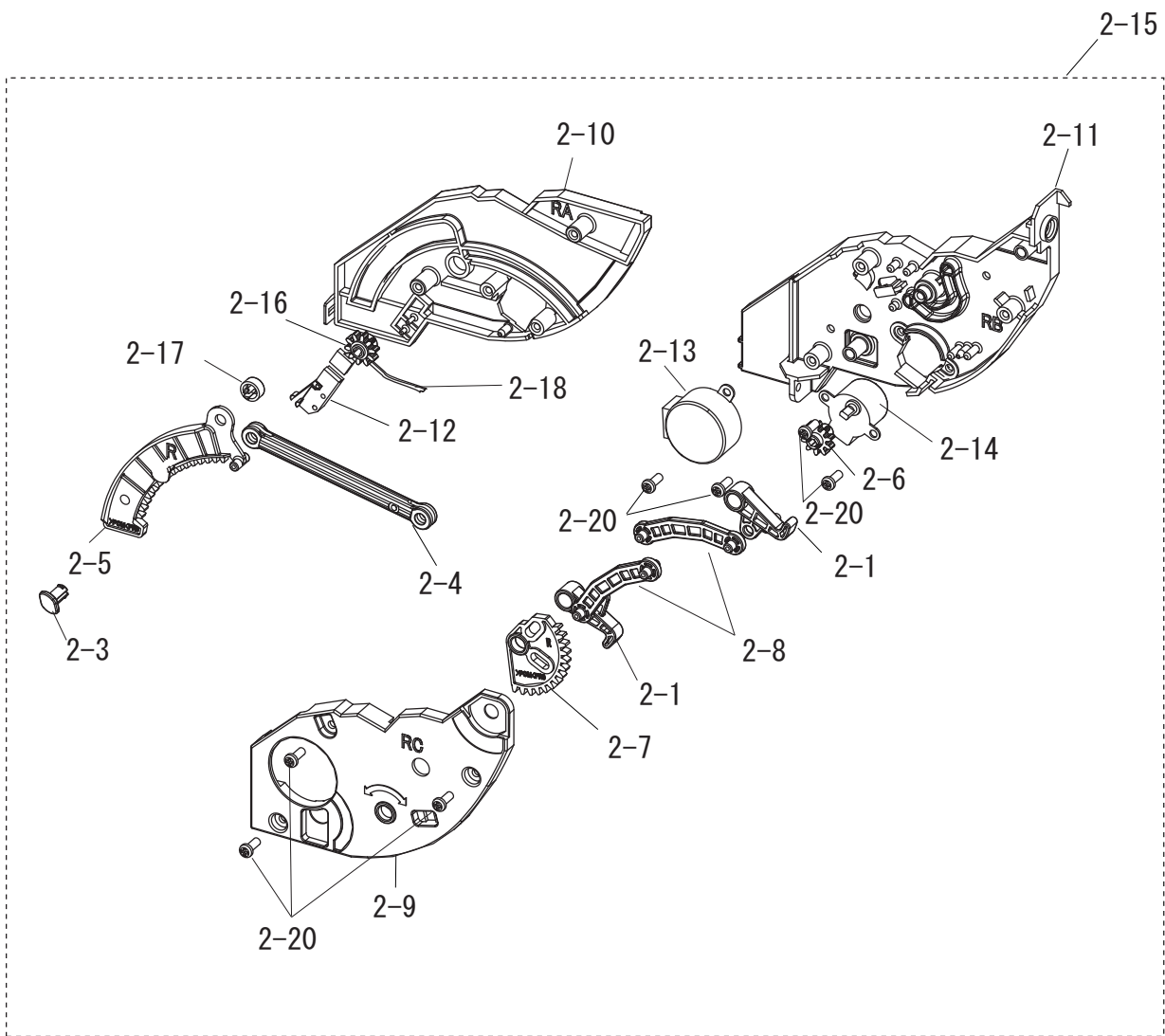
[1] INDOOR UNIT PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INDOOR UNIT PARTS					
△	1-1	CMÖT-A515JBKZ	BN		FAN MOTOR SUB ASS'Y
△	1-2	DSGY-C901JBKZ	BU	N	CONTROL BOARD UNIT
	1-4	RH-HXA113JBZZ	AK		THERMISTOR K
	1-6	RMÖT-A174JBZZ	AN		LOUVER MOTOR
	1-7	RMÖT-A179JBZZ	AN		LOUVER MOTOR VR
	1-8	RMÖT-A176JBZZ	AM		LOUVER MOTOR VL
△	1-10	QTANZA054JBZZ	AT		TERMINAL
△	1-12	CKITTA125AKKZ	BF		PLASUMA CLUSTER UNIT
△	1-17	FSGY-A709JBKZ	BG		DISPLAY BOARD UNIT
	1-20	RNF--A001VBE0	AF		FERRITE CORE
△	1-24	FSGY-A583JBKZ	AP		BOARD UNIT
	1-25	QW-VZG044JBZZ	AL		LEAD WIRE
	1-26	QW-VZF948JBZZ	AD		LEAD WIRE
	1-27	DSGY-C403JBKZ	BE		SENCER PWB UNIT
	1-28	LBND-A014JBE0	AA		FIXING BAND
	1-29	QW-VZG165JBZZ			LEAD WIRE
	2-19	XTPS723P10000	AB		SCREW
	2-5A-5	GGAD-A069JBTA	AS		WIRE GUARD
	2-5B-5	GGAD-A072JBTA	AS		WIRE GUARD R
	3-1	PBOX-A515JBFZ	AS		P.W.B BOX
	3-2	PCÖV-B475JBWZ	AT		P.W.B BOX COVER
	3-3	CCÖV-A255JBKZ	AG		CLUSTER COVER ASS'Y
	3-4	LHLD-A944JBFZ	AF		CLUSTER HOLDER
	3-5	PCÖV-B501JBFA	AE		FRONT PANEL COVER L SE
	3-6	PCÖV-B502JBFA	AE		FRONT PANEL COVER R SE
	3-7	PCÖV-B467JBFA	AD		COVER
	3-10	DCÖV-A327JBKZ			SCREW COVER K(PANEL SIDE)
	3-11	PCÖV-B476JBWZ	AK		TERMINAL COVER
	3-12	PCÖV-B503JBFZ	AC		SCREW COVER(CABINET SIDE)
	3-14	CDAi-A046JBKZ	BC		V-LOUVER BASE ASS'Y
	3-15	DCHS-A638JBKZ	BB		CABINET DK
	3-16	MJNTPA150JBFZ	AD		LOUVER LINK
	3-17	MJNTPA155JBFA	AC		V-LOUVER-JOINT
	3-18	MLÖV-A501JBFZ	AD		V-LOUVER-A
	3-19	MLÖV-A502JBFZ	AD		V-LOUVER-B
	3-20	PDAi-A231JBFA	AK		V-LOUVER BASE
	3-21	PFPPFD504JBEZ	AD		INSULATOR A
	3-22	PFPPFD505JBEZ	AD		INSULATOR B
	3-23	PFPPFD549JBEZ	AB		LOUVER INSULATOR C
	3-27	CHLD-A139JBKZ	AG		BEARING ASS'Y
	3-31	CPNL-A631JBKZ	BC		PANEL ASS'Y
	3-32	JBTN-A012JBFA	AD		PANEL BOTTOM
	3-33	MSPR-A188JBEZ	AC		SPLING
	3-35	PHOS-A052JBEZ	AM		DRAIN HOSE
	3-36	LPLT-A058JBPZ	AC		HOSE HOLDAR
	3-37	CSRA-A715JBKZ	BD		DRAIN PAN SUB ASS'Y
	3-38	MLÖV-A503JBFZ	AL		AIR FLOW LOUVER
	3-39	NBRG-A038JBFA	AC		BEARING C
	3-40	PGiD-A166JBFA	AD		DRAIN GUIDE
	3-41	PGUMMA381JBEZ	AF		DRAIN PLUG
	3-42	PCÖV-B477JBWZ	AF		COVER
	3-43	PDAi-A218JBFA	AP		HOLDER
	3-44	CWAK-C834JBKZ	BR		FRONT PANEL ASS'Y
	3-46	LHLD-A879JBFA	AD		HOLDER
	3-47	PCÖV-B381JBFA	AK		COVER
	3-48	PCÖV-B526JBFZ	AF		COVER
	3-49	HPNL-B019JBFA	AR		FILTER COVER
	3-50	PFiLMA249JBEA	AH		AIR FILTER
	3-53	LHLD-A956JBFA	AE		COAD HOLDER
	3-54	LHLD-A960JBFZ	AE		HOLDER
	3-55	LHLD-A933JBFA	AH		LED HOLDER
	3-56	PCÖV-B533JBFA	AM		LED GUIDE
	3-57	HDECQA231JBFA	AW		DISPLAY PANEL
	3-58	LHLD-A945JBFZ	AF		PANEL
	3-59	LHLD-A946JBFZ	AF		PANEL BASE R
	3-60	LHLD-A948JBFA	AD		SW BUTTON
	3-61	LPiN-A010JBEZ	AB		PIN C
	3-62	PFTA-A125JBFZ	AC		COVER
	3-63	XPSSJ20-12000	AB		SPRING PIN
	3-64	PCÖV-B521JBFA	AD		COVER S
	3-65	LHLD-A394JBFA	AD		PIPE HOLDER
	3-66	LHLD-A947JBFZ	AD		BEARING SUPPORT
	3-67	LHLD-A951JBFA	AD		PIPE HOLDER
	3-68	NFANCA116JBEZ	AX		CROSS FLOW FAN
	3-69	PCÖV-B525JBFZ	AC		COVER B (for screws)
	3-70	PFTA-A124JBFZ	AE		COVER
	3-71	PPLT-A661JBFZ	AH		SIDE COVER R
	3-72	DCÖV-A293JBKZ	AG		COVER ASS'Y
	3-74	PSHE-A294JBEZ	AD		SHEET
	3-80	PDAi-A240JBWZ	AG		PLATE
	10-1	TSPC-G536JBFA	AD	N	NAME BADGE
	10-6	TLABCC631JBRZ	AC	N	WIRING DIAGRAM
	5-0	DEVA-A407JBKZ	BX		EVAPORATOR ASS'Y
	5-1	CPiPCB213JBKZ	AX		TUBE ASS'Y

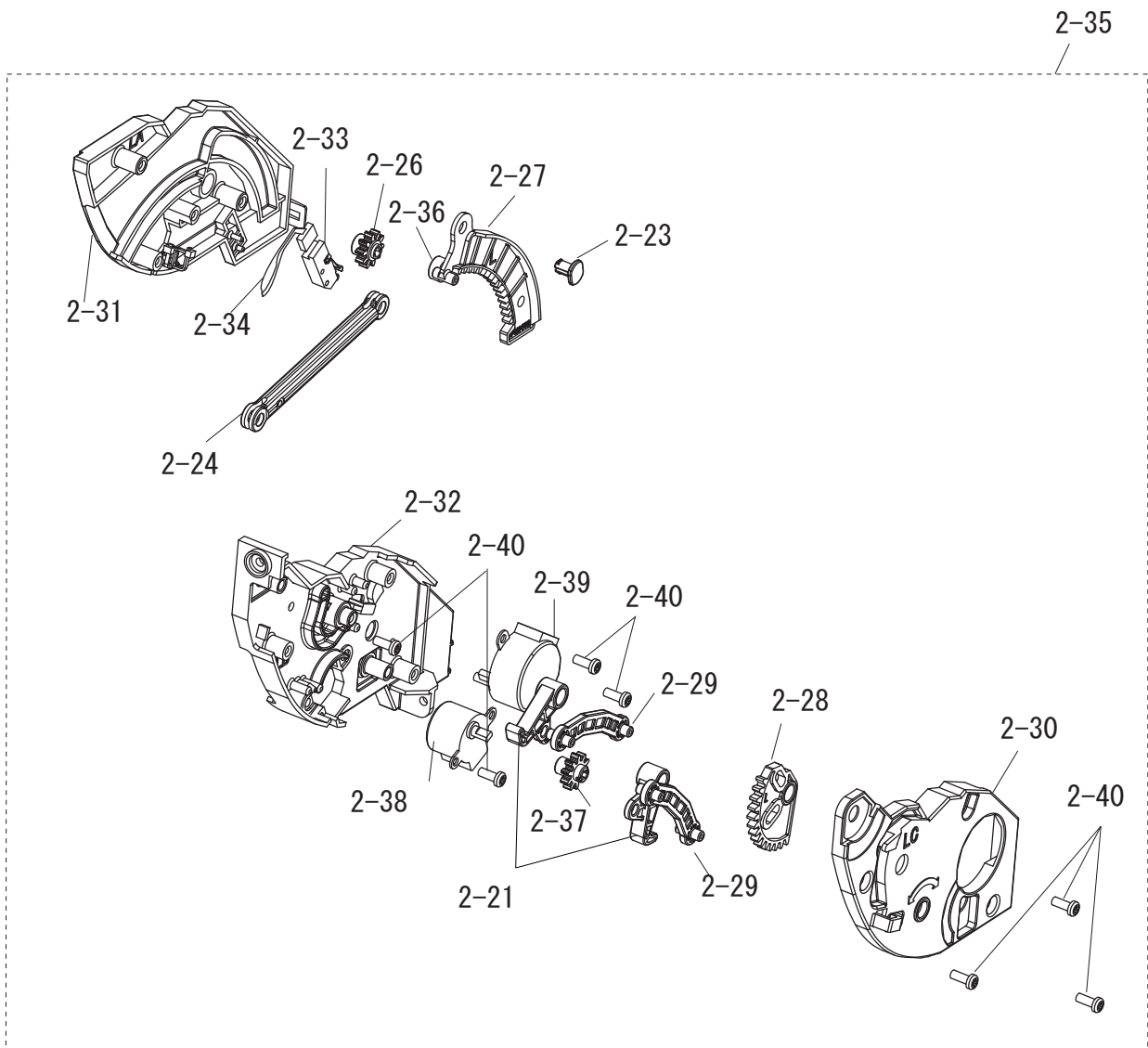
NO.	PARTS CODE	PRICE RANK	N E W MARK	P A R T RANK	DESCRIPTION
[1] INDOOR UNIT PARTS					
5-3	PCÖV-B485JBFZ	AH			COVER L
5-9	LBND-A046JBE0	AE			FIXING BAND
5-10	PPFPD646JBEZ	AF			INSULATOR
6-1	QW-VZF947JBZZ	AH			LEAD WIRE (for PC unit)
7-2	DPLT-A083JBKZ	AV			MOUNTING ANGLE ASS'Y
7-3	PPLTNA118JBWZ	AE			PIPE GAUGE
8-14	CGiD-A047JBKZ	AM			FILTER GUIDE KJH
8-15	CGiD-A045JBKZ	AY			FILTER GUIDE K
8-22	LHLD-A995JBFZ	AH			THERMISTOR HOLDER
8-27	LHLD-A991JBFA	AE			GUIDE STRONG
8-28	PGiD-A167JBFA	AE			FILTER GUIDE L
8-29	PGiD-A168JBFA	AE			FILTER GUIDE R
8-30	PGiD-A169JBFA	AF			FILTER GUIDE C

[2] Panel opening and shutting mechanism R Assembly

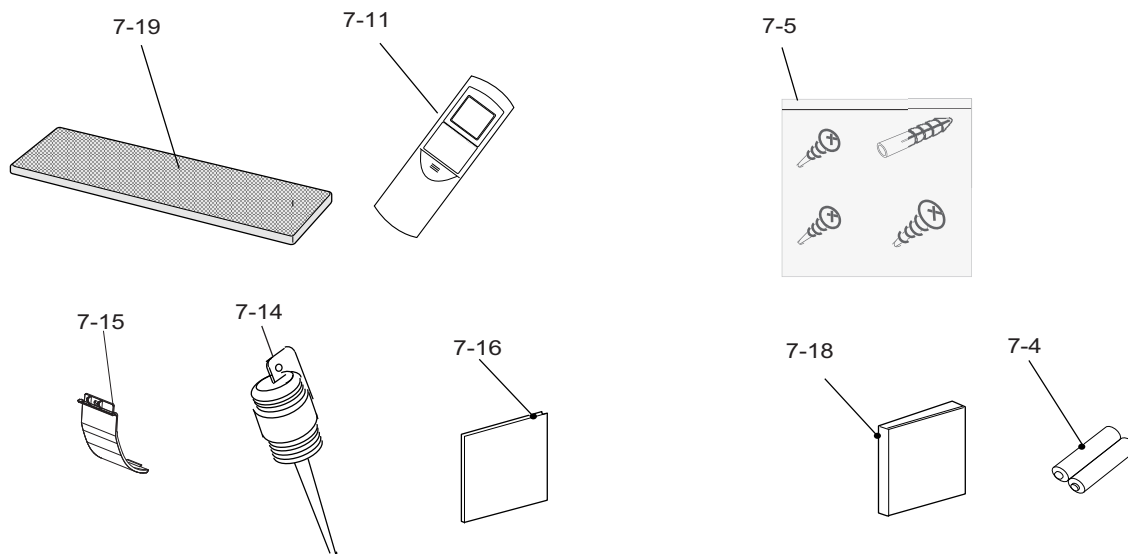


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] Panel opening and shutting mechanism R Assembly					
2-15	CBÖX-A053JBKZ	BB			PANEL MECHANISM R ASSY
2-1	LHLD-A943JBFB	AC			HOOK
2-3	LPiN-A009JBEZ	AB			PIN
2-4	MARMPA067JBMA	AL			GEAR-C
2-5	MCAMPA010JBFBZ	AD			CAM R
2-6	NGER-A040JBEZ	AD			GEAR 24
2-7	NGER-A041JBEZ	AD			GEAR 35
2-8	NSFT-A047JBFBZ	AD			HOOK ARM
2-9	PCAS-A076JBFA	AF			CASE RC
2-10	PCAS-A077JBFA	AF			CASE RA
2-11	PCAS-A078JBFA	AG			CASE RB
2-12	QSW-MA013JBZZ	AH			SWITCH
2-13	RMÖT-A164JBZZ	AQ			STEPPING MOTOR
2-14	RMÖT-A172JBZZ	AP			STEPPING MOTOR
2-16	MCAMPA012JBFBZ	AC			CAM
2-17	NBRGPA001JBEZ	AC			BEARING
2-18	QW-VZF950JBZZ	AF			LEAD WIRE
2-20	XUPS740P10000	AC			SCREW

[3] Panel opening and shutting mechanism L Assembly



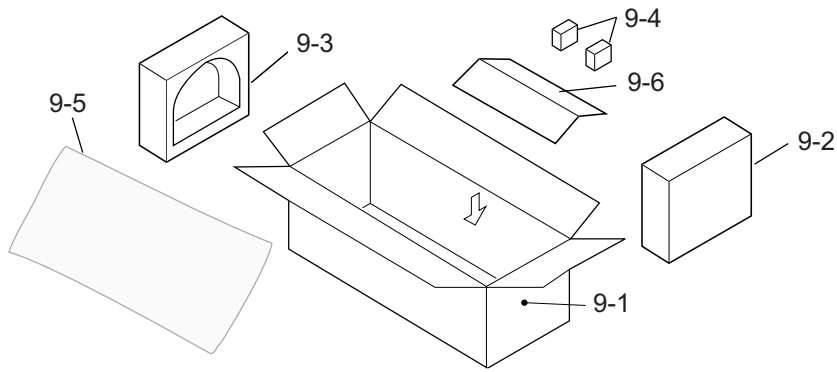
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] Panel opening and shutting mechanism L Assembly					
2-35	CBOX-A054JBKZ	BB			PANEL MECHANISM L ASS'Y
2-21	LHLD-A943JBFB	AC			HOOK
2-23	LPIN-A009JBEZ	AB			Pin
2-24	MARMPA067JBMA	AL			GEAR-C
2-26	MCAMPA012JBFZ	AC			CAM
2-27	MCAMPA013JBFZ	AD			CAM L
2-28	NGER-A041JBEZ	AD			GEAR 35
2-29	NSFT-A047JBFZ	AD			HOOK ARM
2-30	PCAS-A079JBFA	AF			CASE LC
2-31	PCAS-A080JBFA	AF			CASE LA
2-32	PCAS-A081JBFA	AG			CASE LB
2-33	QSW-MA013JBZZ	AH			SWITCH
2-34	QW-VZF949JBZZ	AF			LEAD WIRE
2-36	NBRGPA001JBEZ	AC			BEARING
2-37	NGER-A040JBEZ	AD			GEAR 24
2-38	RMOT-A167JBZZ	AQ			STEPPING MOTOR
2-39	RMOT-A173JBZZ	AP			STEPPING MOTOR
2-40	XUPS740P10000	AC			SCREW

[4] ACCESSORY PARTS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[4] ACCESSORY PARTS					
7-4	UBATUA027JBE0	AE			BATTERY
7-5	FFZK-A247JBKZ	AD			SCREWS KIT
7-11	CRMC-A768JBEZ	AZ			REMOTE CONTROLER
7-14	USPT-A003CDEZ				SPIIT
7-15	LHLD-A998JBKZ	AG			COVER (for Cabel)
7-16	TINS-B218JBRZ	AC	N		INSTALLATION MANUAL
7-18	TINSEA605JBRZ	AE	N		OPERATION MANUAL
7-19	CFIL-A106JBKZ	AZ			PURIFY FILTER ASS'Y
[5] OTHER PARTS					
1-22	QFS-GA078JBZZ	AD			FUSE (3.15A 250V)
1-23	VHVTNR9V511-A+	AD			VARISTOR
5-1-2	PSEN-A070JBKZ	AL			FLERE NUT ASS'Y 3/8
5-1-5	PSEN-A071JBKZ	AH			FLERE NUT ASS'Y 1/4
10-2	TLAB-D386JBRZ	AC			ERROR CODE LABEL
10-3	TLAB-D387JBRZ	AC			URGENT LABEL
10-4	TLAB-D388JBRZ	AC			SERVICE LABEL
10-5	TLAB-E653JBEZ	AD			EU-ENERGY LABEL
11-5	LX-BZA075JBE0	AA			SPECIAL SCREW
11-8	XTPS723P14000	AC			SCREW
11-9	XTPS730P10000	AC			SCREW
11-10	XTPS740P08000	AC			SCREW
11-11	XTPS740P12000	AC			SCREW
11-12	XTPS740P14000	AC			SCREW
11-14	XTTS740P10000	AC			SCREW
11-15	XTTS740P12000	AC			SCREW
11-16	XTTS740P14000	AC			SCREW
11-18	XTTS740P20000	AC			SCREW
11-21	XTPS740P16000	AC			SCREW
11-22	QW-VZG030JBZZ	AF			LEAD WIRE BLUE
11-23	QW-VZG031JBZZ	AF			LEAD WIRE 5P
11-24	QW-VZG032JBZZ	AL			LEAD WIRE 6P
11-25	QW-VZG033JBZZ	AF			LEAD WIRE

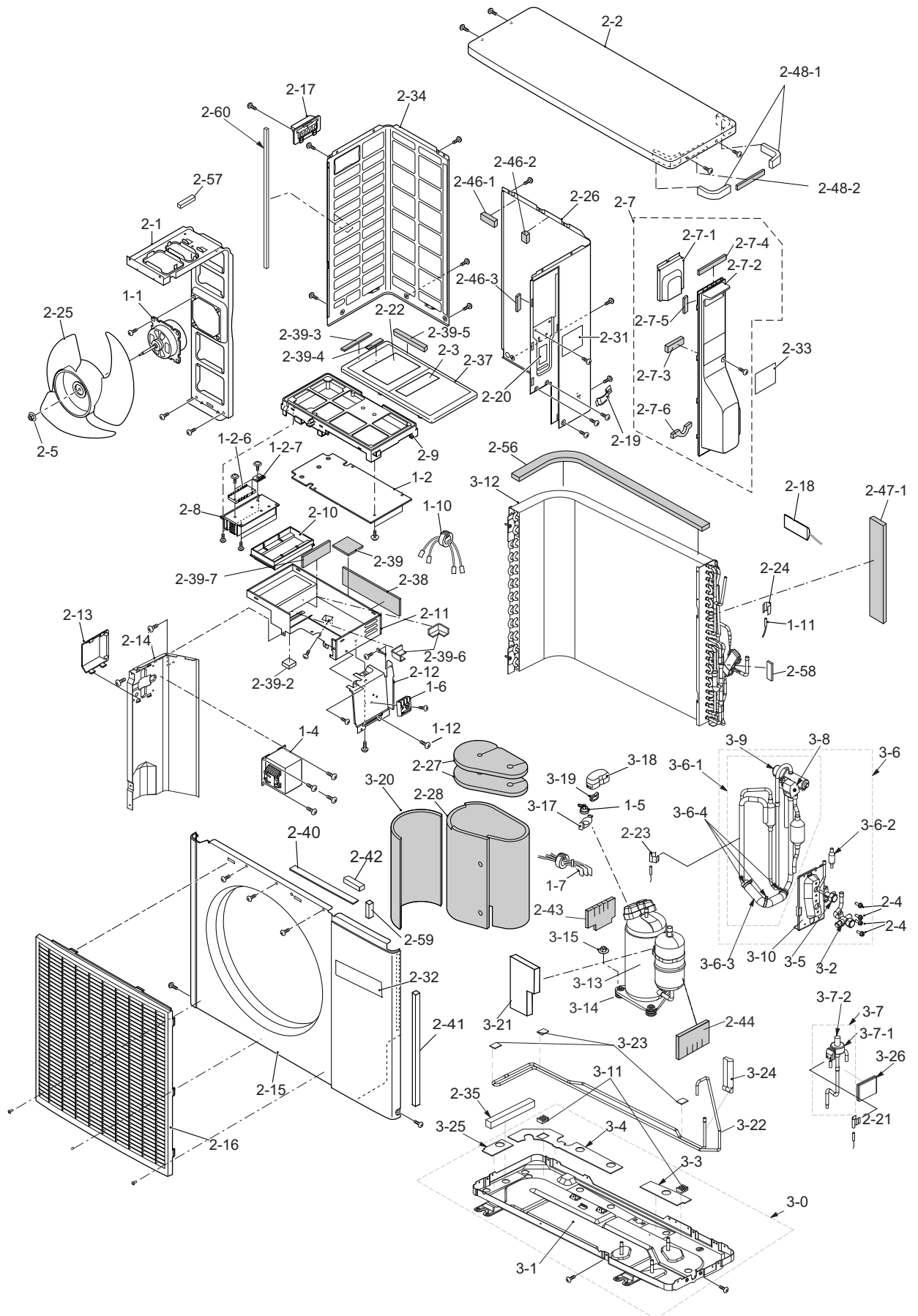
12KHR-N

[6] INDOOR PACKING PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[6] INDOOR PACKING PARTS					
9-1	SPAKCC685JBEZ	AR	N		PACKING CASE
9-2	SPADBA448JBEZ				PAD R
9-3	SPADBA449JBEZ				PAD L
9-4	SPADBA462JBEZ	AC			CABI PAD
9-5	SSAKAA106JBEZ	AE			BAG
9-6	SPAKCJ944YDEZ	AF			CASE

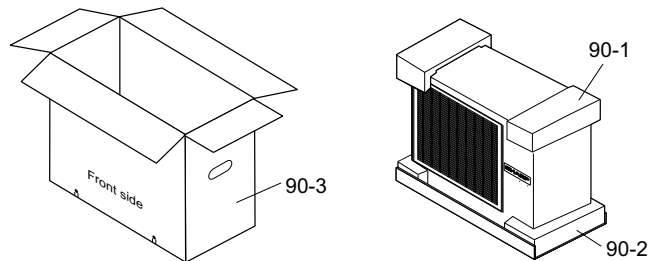
[7] OUTDOOR UNIT PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[7] OUTDOOR UNIT PARTS					
△	1-1	CMÖTLB078JBEZ	BL		FAN MOTER
△	1-2	DSGY-C902JBKZ		N	CONTROL BOARD UNIT
△	1-2-6	RH-iXA856JBZZ	BA		IPM
△	1-2-7	VHDD25XB60+-F	AH		DIODE BRIDGE
△	1-4	RCiLZA027JBZZ			REACTOR
	1-5	RTHM-A022JBE0	AN		THERMISTOR
△	1-6	QTANZA053JBZZ	AR		TERMINAL BOARD
	1-7	FW-VZA070JBKZ	AP		WIRE
	1-10	RFiL-A126JBZZ	AD		FERRITE CORE
	1-11	RH-HXA029JBZZ	AX		THERMISTOR ASSY
	1-12	LX-BZA075JBE0	AA		SPECIAL SCREW
	2-1	LANGKA263JBPZ			MOTOR ANGLE
	2-2	CCAB-A408JBKZ	BA		TOP PLATE ASSY
	2-3	TLABCC632JBRZ	AC	N	WIRING DIAGRAM
	2-4	LX-BZA355JBEZ	AE		SPECIAL SCREW
	2-5	LX-NZA312JBEZ	AD		SPECIAL NUT
	2-7	CFTA-A268JBKZ	AN		COVER
	2-7-1	PCÖV-A594JBPZ	AE		TERMINAL COVER
	2-7-2	PFTA-A090JBFA	AL		COVER
	2-7-3	PSEL-C025JBEZ	AE		SEALNET SEAL
	2-7-4	PSEL-C225JBEZ	AB		SEAL
	2-7-5	PSEL-C116JBEZ	AC		CONDENSER SEAL
	2-7-6	PSEL-C157JBEZ	AF		SEAL
	2-8	PRDAFA211JBEZ	AV		HEAT SINK
	2-9	LHLD-A684JBFA	AN		HOLDER
	2-10	LHLD-A685JBFA	AF		HOLDER
	2-11	DBOX-A077JBWZ	AT		CONTROL BOX ASSY
	2-12	PDAi-A239JBWZ	AF		TERMINAL HOLDER
	2-13	PCÖV-A595JBFZ	AE		COVER
	2-14	PSKR-A284JBPZ	AT		BULKHEAD
	2-15	GCAB-A376JBTA	BB		FRONT PANEL
	2-16	GGADPA014JBFA	AT		FAN GUARD
	2-17	JHNDPA015JBFA	AD		HANDLE
	2-18	LHLD-A449JBF0	AH		THERMISTOR HOLDER
	2-19	LHLD-0079SRFZ	AC	N	CORD CLAMP
	2-20	LHLD-A699JBFA	AF		HOLDER BASE
	2-21	MSPR-A195JBEZ	AF		SPRING
	2-22	TLAB-C814JBRZ	AF		LABEL
	2-23	MSPR-A036JBE0	AB		THERMISTOR SPRING
	2-24	MSPR-A143JBEZ	AD		SPRING
	2-25	NFANPA118JBEZ	AU		PROPELLER FAN
	2-26	PPLT-A663JBTA	AL		SIDE COVER R
	2-27	PSPF-B004JBEZ	AH		COMP COVER TOP
	2-28	PSPF-B005JBEZ	AX		COMPRESSOR COVER
	2-31	TLAB-C511JBRA	AC		LABEL
	2-32	TLABBA160JBRA	AL		IVTLABEL
	2-33	TSPC-G537JBRZ	AC	N	NAME LABEL
	2-34	PPLT-A195JBTA	AS		SIDE COVER L
	2-35	PSEL-E122JBEZ		N	BASE PAN SEAL
	2-37	PCÖV-A997JBWZ	AM		COVER
	2-38	PSEL-C685JBEZ	AC		SEAL
	2-39	PSEL-C686JBEZ	AC		SEAL
	2-39-2	PSEL-C769JBEZ	AB		SEAL
	2-39-3	PSEL-C684JBEZ	AB		SEAL
	2-39-4	PSEL-D053JBEZ	AB		INSULATOR
	2-39-5	PSEL-D052JBEZ	AC		INSULATOR
	2-39-6	PSEL-C345JBEZ	AL		SEAL
	2-39-7	PSEL-C767JBEZ	AB		SEAL
	2-40	PSEL-C029JBEZ	AC		SEAL A
	2-41	PSEL-C222JBEZ	AB		SEAL B
	2-42	PSEL-C270JBEZ	AC		SEAL
	2-43	PFPPFD261JBEZ	AF		INSULATOR
	2-44	PFPPFD262JBEZ	AF		INSULATOR
	2-46-1	PSEL-C341JBEZ	AB		SEAL SIDE-R
	2-46-2	PSEL-C340JBEZ	AN		SEAL SIDE-R
	2-46-3	PSEL-C339JBEZ	AB		SEAL
	2-47-1	PSEL-C342JBEZ	AB		SEAL
	2-48-1	PSEL-C338JBEZ	AC		SEAL TOP
	2-48-2	PSEL-C337JBEZ	AB		SEAL TOP
	2-56	PSEL-E103JBEZ	AE	N	CONDENSER SEAL
	2-57	PSEL-D063JBEZ	AC		INSULATOR
	2-58	PSEL-0194SRE0	AA		SEAL
	2-59	PSEL-C491JBEZ	AB		F-PANEL SEAL
	2-60	PSEL-E106JBEZ	AC	N	CONDENSER SEAL L
	3-0	CCHS-B127JBKZ	BD	N	BASE PAN ASSY
	3-1	CCHS-A931JBTA	BB		BASE PAN SUB ASSY
	3-2	DVLV-A857JBKZ	AZ		3WAY VALVE UNIT
	3-3	PFPPFE118JBEZ	AB	N	BASE PAN INSULATOR A
	3-4	PFPPFE119JBEZ	AE	N	BASE PAN INSULATOR B
	3-5	DVLV-A757JBKZ	AR		2WAY VALVE UNIT
	3-6	CVLV-B042JBKZ	BR	N	REVERSE VALVE ASSY
	3-7	DVLV-B019JBKZ	BE	N	CONTROL VALVE ASSY
	3-8	CCiL-A142JBKZ	AT		COIL ASSY
	3-9	PVLVXA085JBEZ		N	REVERSE VALVE

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[7] OUTDOOR UNIT PARTS					
3-10	PDAi-A123JBTA	AL			FLARE COUPLING BASE
3-11	PGUM-A203JBEZ	AD	N		TUBE HOLDER RUBBER
3-12	DCON-A547JBPZ	BV	N		CONDENSER ASS'Y
3-13	FCMPRA204JBKZ	CC			COMPRESSOR
3-14	GLEG-A149JBEZ	AD			COMPRESSOR CUSHION
3-15	LX-NZA313JBEZ	AE			SPECIAL NUT
3-17	MSPR-A046JBE0	AD			PROTECTOR SPRING
3-18	PCOV-A833JBEZ	AH			TERMINAL COVER
3-19	PGUM-A142JBEZ	AE			TERMINAL BUSH
3-20	PSPF-A977JBEZ	AQ			COMPRESSOR COVER
3-21	PSPF-B083JBEZ	AD			COMPRESSOR COVER
3-22	CPiPCB352JBKZ	AK	N		HEAT TUBE ASS'Y
3-23	PGUMSA415JBEZ	AB	N		DAMPER RUBBER
3-24	PGUMS0170JBE0	AE			DAMPER RUBBER
3-25	PFPFPE148JBEZ		N		BASE PAN INSULATOR C
3-26	PGUMSA386JBEZ		N		DAMPER RUBBER
3-6-1	DVLV-B030JBKZ		N		REVERSE VALVE ASS'Y
3-6-2	PSRN-A091JBEZ	AG			STRAINER
3-6-3	PFPFPE149JBEZ	AE			PIPE INSULATOR
3-6-4	LBND-A014JBE0	AA			WIRE FIXING BAND
[8] OTHER PARTS					
1-2-1	QFS-CA001JBZZ	AK			FUSE 20A 250V
1-2-2	QFS-GA051JBZZ	AD			FUSE 2A 250V
1-2-3	QFS-GA052JBZZ	AD			FUSE 3.15A 250V
1-2-4	QFS-CA002JBZZ	AH			FUSE 15A 250V
1-2-5	QFS-GA064JBZZ	AF			FUSE 1A 250V
2-50	PSEL-C345JBEZ	AL			SEAL
2-51	PSEL-C684JBEZ	AB			SEAL
2-52	PSEL-C767JBEZ	AB			SEAL
2-53	PSEL-C769JBEZ	AB			SEAL
3-7-1	RMOTSA023JBZZ	AX			COIL
3-7-2	PVLVRA036JBEZ	BE			CONTROL VALVE

[9] OUTDOOR PACKING PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] OUTDOOR PACKING PARTS					
90-1	CPADBA048JBKZ	AF			TOP PAD ASS'Y
90-2	CPADBA049JBKZ	AM			BOTTOM PAD ASS'Y
90-3	SPAKCC686JBEZ	AR	N		PACKING CASE

INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CBÖX-A053JBKZ	2-2-15	BB		
CBÖX-A054JBKZ	3-2-35	BB		
CCAB-A408JBKZ	7-2-2	BA		
CCHS-A931JBTA	7-3-1	BB		
CCHS-B127JBKZ	7-3-0	BD	N	
CCiL-A142JBKZ	7-3-8	AT		
CCÖV-A255JBKZ	1-3-3	AG		
CDAi-A046JBKZ	1-3-14	BC		
CFiL-A106JBKZ	4-7-19	AZ		
CFTA-A268JBKZ	7-2-7	AN		
CGiD-A045JBKZ	1-8-15	AY		
CGiD-A047JBKZ	1-8-14	AM		
CHLD-A139JBKZ	1-3-27	AG		
CKiTTA125AKKZ	1-1-12	BF		
CMÖT-A515JBKZ	1-1-1	BN		
CMÖTLB078JBEZ	7-1-1	BL		
CPADBA048JBKZ	9-90-1	AF		
CPADBA049JBKZ	9-90-2	AM		
CPiPCB213JBKZ	1-5-1	AX		
CPiPCB352JBKZ	7-3-22	AK	N	
CPNL-A631JBKZ	1-3-31	BC		
CRMCA-A768JBEZ	4-7-11	AZ		
CSRA-A715JBKZ	1-3-37	BD		
CVLV-B042JBKZ	7-3-6	BR	N	
CWAK-C834JBKZ	1-3-44	BR		
【 D 】				
DBÖX-A077JBWZ	7-2-11	AT		
DCHS-A638JBKZ	1-3-15	BB		
DCÖN-A547JBPZ	7-3-12	BV	N	
DCÖV-A293JBKZ	1-3-72	AG		
DCÖV-A327JBKZ	1-3-10			
DEVA-A407JBKZ	1-5-0	BX		
DPLT-A083JBKZ	1-7-2	AV		
DSGY-C403JBKZ	1-1-27	BE		
DSGY-C901JBKZ	1-1-2	BU	N	
DSGY-C902JBKZ	7-1-2		N	
DVLV-A757JBKZ	7-3-5	AR		
DVLV-A857JBKZ	7-3-2	AZ		
DVLV-B019JBKZ	7-3-7	BE	N	
DVLV-B030JBKZ	7-3-6-1		N	
【 F 】				
FCMPRA204JBKZ	7-3-13	CC		
FFZK-A247JBKZ	4-7-5	AD		
FSGY-A583JBKZ	1-1-24	AP		
FSGY-A709JBKZ	1-1-17	BG		
FW-VZA070JBKZ	7-1-7	AP		
【 G 】				
GCAB-A376JBTA	7-2-15	BB		
GGAD-A069JBTA	1-2-5A-5	AS		
GGAD-A072JBTA	1-2-5B-5	AS		
GGADPA014JBFA	7-2-16	AT		
GLEG-A149JBEZ	7-3-14	AD		
【 H 】				
HDECQA231JBRA	1-3-57	AW		
HPNL-B019JBRA	1-3-49	AR		
【 J 】				
JBTN-A012JBFA	1-3-32	AD		
JHNDPA015JBFA	7-2-17	AD		
【 L 】				
LANGKA263JBPZ	7-2-1			
LBND-A014JBE0	1-1-28	AA		
"	7-3-6-4	AA		
LBND-A046JBE0	1-5-9	AE		
LHLD-0079SRFZ	7-2-19	AC	N	
LHLD-A394JBFA	1-3-65	AD		
LHLD-A449JBF0	7-2-18	AH		
LHLD-A684JBFA	7-2-9	AN		
LHLD-A685JBFA	7-2-10	AF		
LHLD-A699JBFA	7-2-20	AF		
LHLD-A879JBFA	1-3-46	AD		
LHLD-A933JBFA	1-3-55	AH		
LHLD-A943JBF0	2-2-1	AC		
"	3-2-21	AC		
LHLD-A944JBF0	1-3-4	AF		
LHLD-A945JBF0	1-3-58	AF		
LHLD-A946JBF0	1-3-59	AF		
LHLD-A947JBFZ	1-3-66	AD		
LHLD-A948JBFA	1-3-60	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
LHLD-A951JBFA	1-3-67	AD		
LHLD-A956JBFA	1-3-53	AE		
LHLD-A960JBFZ	1-3-54	AE		
LHLD-A991JBFA	1-8-27	AE		
LHLD-A995JBFZ	1-8-22	AH		
LHLD-A998JBKZ	4-7-15	AG		
LPiN-A009JBEZ	2-2-3	AB		
"	3-2-23	AB		
LPiN-A010JBEZ	1-3-61	AB		
LPLT-A058JBPZ	1-3-36	AC		
LX-BZA075JBE0	5-11-5	AA		
"	7-1-12	AA		
LX-BZA355JBEZ	7-2-4	AE		
LX-NZA312JBEZ	7-2-5	AD		
LX-NZA313JBEZ	7-3-15	AE		
【 M 】				
MARMPA067JBMA	2-2-4	AL		
"	3-2-24	AL		
MCAMPA010JBFZ	2-2-5	AD		
MCAMPA012JBFZ	2-2-16	AC		
"	3-2-26	AC		
MCAMPA013JBFZ	3-2-27	AD		
MJNTPA150JBFB	1-3-16	AD		
MJNTPA155JBFA	1-3-17	AC		
MLOV-A501JBFB	1-3-18	AD		
MLOV-A502JBFB	1-3-19	AD		
MLOV-A503JBFB	1-3-38	AL		
MSPR-A036JBE0	7-2-23	AB		
MSPR-A046JBE0	7-3-17	AD		
MSPR-A143JBEZ	7-2-24	AD		
MSPR-A188JBEZ	1-3-33	AC		
MSPR-A195JBEZ	7-2-21	AF		
【 N 】				
NBRG-A038JBFA	1-3-39	AC		
NBRGPA001JBEZ	2-2-17	AC		
"	3-2-36	AC		
NFANCA116JBEZ	1-3-68	AX		
NFANPA118JBEZ	7-2-25	AU		
NGER-A040JBEZ	2-2-6	AD		
"	3-2-37	AD		
NGER-A041JBEZ	2-2-7	AD		
"	3-2-28	AD		
NSFT-A047JBFZ	2-2-8	AD		
"	3-2-29	AD		
【 P 】				
PBÖX-A515JBFZ	1-3-1	AS		
PCAS-A076JBFA	2-2-9	AF		
PCAS-A077JBFA	2-2-10	AF		
PCAS-A078JBFA	2-2-11	AG		
PCAS-A079JBFA	3-2-30	AF		
PCAS-A080JBFA	3-2-31	AF		
PCAS-A081JBFA	3-2-32	AG		
PCÖV-A594JBPZ	7-2-7-1	AE		
PCÖV-A595JBFZ	7-2-13	AE		
PCÖV-A833JBEZ	7-3-18	AH		
PCÖV-A997JBWZ	7-2-37	AM		
PCÖV-B381JBFA	1-3-47	AK		
PCÖV-B467JBFA	1-3-7	AD		
PCÖV-B475JBWZ	1-3-2	AT		
PCÖV-B476JBWZ	1-3-11	AK		
PCÖV-B477JBWZ	1-3-42	AF		
PCÖV-B485JBFZ	1-5-3	AH		
PCÖV-B501JBFA	1-3-5	AE		
PCÖV-B502JBFA	1-3-6	AE		
PCÖV-B503JBFB	1-3-12	AC		
PCÖV-B521JBFA	1-3-64	AD		
PCÖV-B525JBFB	1-3-69	AC		
PCÖV-B526JBFB	1-3-48	AF		
PCÖV-B533JBFA	1-3-56	AM		
PDAi-A123JBTA	7-3-10	AL		
PDAi-A218JBFA	1-3-43	AP		
PDAi-A231JBFA	1-3-20	AK		
PDAi-A239JBWZ	7-2-12	AF		
PDAi-A240JBWZ	1-3-80	AG		
PFiLMA249JBEA	1-3-50	AH		
PFPPFD261JBEZ	7-2-43	AF		
PFPPFD262JBEZ	7-2-44	AF		
PFPPFD504JBEZ	1-3-21	AD		
PFPPFD505JBEZ	1-3-22	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
PFFPFD549JBEZ	1-3-23	AB		
PFFPFD646JBEZ	1-5-10	AF		
PFFPPE118JBEZ	7-3-3	AB	N	
PFFPPE119JBEZ	7-3-4	AE	N	
PFFPPE148JBEZ	7-3-25		N	
PFFPPE149JBEZ	7-3-6-3	AE		
PFTA-A090JBFA	7-2-7-2	AL		
PFTA-A124JBFB	1-3-70	AE		
PFTA-A125JBFB	1-3-62	AC		
PGID-A166JBFA	1-3-40	AD		
PGID-A167JBFA	1-8-28	AE		
PGID-A168JBFA	1-8-29	AE		
PGID-A169JBFA	1-8-30	AF		
PGUM-A142JBEZ	7-3-19	AE		
PGUM-A203JBEZ	7-3-11	AD	N	
PGUMMA381JBEZ	1-3-41	AF		
PGUMS0170JBE0	7-3-24	AE		
PGUMSA386JBEZ	7-3-26		N	
PGUMSA415JBEZ	7-3-23	AB	N	
PHOS-A052JBEZ	1-3-35	AM		
PPLT-A195JBTA	7-2-34	AS		
PPLT-A661JBFZ	1-3-71	AH		
PPLT-A663JBTA	7-2-26	AL		
PPLTNA118JBWZ	1-7-3	AE		
PRDFAA211JBEZ	7-2-8	AV		
PSEL-0194SRE0	7-2-58	AA		
PSEL-C025JBEZ	7-2-7-3	AE		
PSEL-C029JBEZ	7-2-40	AC		
PSEL-C116JBEZ	7-2-7-5	AC		
PSEL-C157JBEZ	7-2-7-6	AF		
PSEL-C222JBEZ	7-2-41	AB		
PSEL-C225JBEZ	7-2-7-4	AB		
PSEL-C270JBEZ	7-2-42	AC		
PSEL-C337JBEZ	7-2-48-2	AB		
PSEL-C338JBEZ	7-2-48-1	AC		
PSEL-C339JBEZ	7-2-46-3	AB		
PSEL-C340JBEZ	7-2-46-2	AN		
PSEL-C341JBEZ	7-2-46-1	AB		
PSEL-C342JBEZ	7-2-47-1	AB		
PSEL-C345JBEZ	7-2-39-6	AL		
"	8-2-50	AL		
PSEL-C491JBEZ	7-2-59	AB		
PSEL-C684JBEZ	7-2-39-3	AB		
"	8-2-51	AB		
PSEL-C685JBEZ	7-2-38	AC		
PSEL-C686JBEZ	7-2-39	AC		
PSEL-C767JBEZ	7-2-39-7	AB		
"	8-2-52	AB		
PSEL-C769JBEZ	7-2-39-2	AB		
"	8-2-53	AB		
PSEL-D052JBEZ	7-2-39-5	AC		
PSEL-D053JBEZ	7-2-39-4	AB		
PSEL-D063JBEZ	7-2-57	AC		
PSEL-E103JBEZ	7-2-56	AE	N	
PSEL-E106JBEZ	7-2-60	AC	N	
PSEL-E122JBEZ	7-2-35		N	
PSEN-A070JBKZ	5-5-1-2	AL		
PSEN-A071JBKZ	5-5-1-5	AH		
PSHE-A294JBEZ	1-3-74	AD		
PSKR-A284JBPZ	7-2-14	AT		
PSPF-A977JBEZ	7-3-20	AQ		
PSPF-B004JBEZ	7-2-27	AH		
PSPF-B005JBEZ	7-2-28	AX		
PSPF-B083JBEZ	7-3-21	AD		
PSRN-A091JBEZ	7-3-6-2	AG		
PVLVRA036JBEZ	8-3-7-2	BE		
PVLVXA085JBEZ	7-3-9		N	
【 Q 】				
QFS-CA001JBZZ	8-1-2-1	AK		
QFS-CA002JBZZ	8-1-2-4	AH		
QFS-GA051JBZZ	8-1-2-2	AD		
QFS-GA052JBZZ	8-1-2-3	AD		
QFS-GA064JBZZ	8-1-2-5	AF		
QFS-GA078JBZZ	5-1-22	AD		
QSW-MA013JBZZ	2-2-12	AH		
"	3-2-33	AH		
QTANZA053JBZZ	7-1-6	AR		
QTANZA054JBZZ	1-1-10	AT		
QW-VZF947JBZZ	1-6-1	AH		
QW-VZF948JBZZ	1-1-26	AD		
QW-VZF949JBZZ	3-2-34	ZF		
QW-VZF950JBZZ	2-2-18	AF		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QW-VZG030JBZZ	5-11-22	AF		
QW-VZG031JBZZ	5-11-23	AF		
QW-VZG032JBZZ	5-11-24	AL		
QW-VZG033JBZZ	5-11-25	AF		
QW-VZG044JBZZ	1-1-25	AL		
QW-VZG165JBZZ	1-1-29			
【 R 】				
RCILZA027JBZZ	7-1-4			
RFIL-A126JBZZ	7-1-10	AD		
RH-HXA029JBZZ	7-1-11	AX		
RH-HXA113JBZZ	1-1-4	AK		
RH-IXA856JBZZ	7-1-2-6	BA		
RMOT-A164JBZZ	2-2-13	AQ		
RMOT-A167JBZZ	3-2-38	AQ		
RMOT-A172JBZZ	2-2-14	AP		
RMOT-A173JBZZ	3-2-39	AP		
RMOT-A174JBZZ	1-1-6	AN		
RMOT-A176JBZZ	1-1-8	AM		
RMOT-A179JBZZ	1-1-7	AN		
RMOTSA023JBZZ	8-3-7-1	AX		
RNF--A001VBE0	1-1-20	AF		
RTHM-A022JBE0	7-1-5	AN		
【 S 】				
SPADBA448JBEZ	6-9-2			
SPADBA449JBEZ	6-9-3			
SPADBA462JBEZ	6-9-4	AC		
SPAKCC685JBEZ	6-9-1	AR	N	
SPAKCC686JBEZ	9-90-3	AR	N	
SPAKCJ944YDEZ	6-9-6	AF		
SSAKAA106JBEZ	6-9-5	AE		
【 T 】				
TINS-B218JBRZ	4-7-16	AC	N	
TINSEA605JBRZ	4-7-18	AE	N	
TLABBA160JBRA	7-2-32	AL		
TLAB-C511JBRA	7-2-31	AC		
TLAB-C814JBRZ	7-2-22	AF		
TLABCC631JBRZ	1-10-6	AC	N	
TLABCC632JBRZ	7-2-3	AC	N	
TLAB-D386JBRZ	5-10-2	AC		
TLAB-D387JBRZ	5-10-3	AC		
TLAB-D388JBRZ	5-10-4	AC		
TLAB-E653JBEZ	5-10-5	AD		
TSPC-G536JBRA	1-10-1	AD	N	
TSPC-G537JBRZ	7-2-33	AC	N	
【 U 】				
UBATUA027JBE0	4-7-4	AE		
USPT-A003CDEZ	4-7-14			
【 V 】				
VHDD25XB60+-F	7-1-2-7	AH		
VHVTNR9V511-A+	5-1-23	AD		
【 X 】				
XPSSJ20-12000	1-3-63	AB		
XTPS723P10000	1-2-19	AB		
XTPS723P14000	5-11-8	AC		
XTPS730P10000	5-11-9	AC		
XTPS740P08000	5-11-10	AC		
XTPS740P12000	5-11-11	AC		
XTPS740P14000	5-11-12	AC		
XTPS740P16000	5-11-21	AC		
XTTS740P10000	5-11-14	AC		
XTTS740P12000	5-11-15	AC		
XTTS740P14000	5-11-16	AC		
XTTS740P20000	5-11-18	AC		
XUPS740P10000	2-2-20	AC		
"	3-2-40	AC		

