RESIDENTIAL AIR-CONDITIONING TECHNICAL MANUAL & PARTS LIST

INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONER (Split system, air cooled cooling only type) SRK10YJ-S, 13YJ-S, 18YJ-S





Большая библиотека технической документации http://splitoff.ru/tehn-doc.html каталоги, инструкции, сервисные мануалы, схемы.

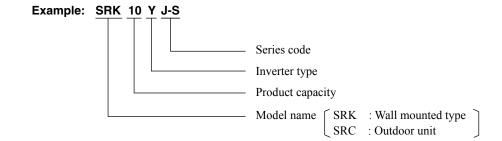
TECHNICAL MANUAL

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■How to read the model name



				Model	SRK10YJ-S		
Item	_				Indoor unit SRK10YJ-S	Outdoor unit SRC10YJ-S	
Cooling capacity (1)			W	2500 (1000 (Min	.)~2700 (Max.))	
Power supply					1 Phase, 220~240	V, 50Hz / 220V, 60Hz	
	Power consumption		Cooling	kW	0.70 (0.21 ~ 0.88)		
Operation	Running current Cooling		Cooling	A	3.5 / 3.4 / 3.2 (22	20 / 230 / 240 V)	
data (1)	Inrush c	urrent			3.5 / 3.4 / 3.2 (22	20 / 230 / 240 V)	
	COP		Cooling		3.9	57	
	Noise	Coolina	Sound level	dB(A)	Hi : 40 Me : 30 Lo : 24	49	
	level	Cooling	Power level	dB	56	59	
Exterior dimensior	ns (Height :	x Width x [Depth)	mm	268 x 790 x 213	540 x 780 (+62) x 290	
Exterior appearan (Munsell color)	ce				Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent	
Net weight				kg	8.5	32	
	Compre	ssor type 8	& Q'ty		-	RM-B5077MDE1 (Rotary type) x 1	
	Motor	(Starting m	ethod)	kW		0.75 (Line starting)	
Defidences	Refrigerant oil		Q	0.35 (DIAMOND	FREEZE MA68)		
Refrigerant equipment	Refriger	ant (3)		kg	R410A 0.75 (Pre-Charged up	to the piping length of 10m)	
equipment	Heat ex	changer			Louver fins & inner grooved tubing	M fins & inner grooved tubing	
	Refrigerant control			Capillary tubes + Electronic expansion valve			
	Deice control			Microcomputer control			
	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1	
A . I II.	Motor		W	38	24		
Air handling equipment	Air flow		Cooling	CMM	Hi: 8.0 Me: 6.2 Lo: 4.5	29.5	
equipment	Fresh air intake			Not possible	_		
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2	_		
Shock & vibration	absorber				_	Cushion rubber (for compressor)	
	Operation	on switch			Wireless-Remote control	_	
Operation	Room temperature control			Microcomputer thermostat	_		
control	Operation Display			RUN : Green, TIMER : Yellow, HI POWER : Green, 3D AUTO : Orange			
Safety devices					Compressor overheat protec Frost protection, Serial signal error pr Cooling overlo	otection, Fan motor error protection,	
	Refriger	ant piping	size (O.D)	mm	Liquid line: φ 6.35 (1/4")	Gas line: ϕ 9.52 (3/8")	
	connect	ting metho	d		Flare co	nnecting	
Installation	Attache	d length of	piping	m	Liquid line : 0.4 Gas line : 0.33	-	
data	Insulation	on for pipin	g		Necessary (Both s	des), independent	
	Refriger	ant line (or	ne way) length		Max	. 15	
		height diffe unit and ir	erence between ndoor unit	m	Max.10 (Outdoo Max.10 (Outdoo		
Drain hose					Connectable (VP 16)		
Power cable					2m (3 Cores wih Earth)		
Recommended breaker size				Α	1	6	
Connection wiring		Size x	Core number		1.5mm² x 4 cores (In	cluding earth cable)	
		Conne	ecting method		Terminal block (S	crew fixing type)	
Accessories (inclu	ded)				Mounting kit		
Optional parts				1 T	-	-	

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

Item	Indoor air t	emperature	Outdoor air	temperature	Standards	
Operation	DB	WB	DB	WB	Standards	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612	

⁽²⁾ This air-conditioner is manufactured and tested in conformity with the ISO.

⁽³⁾ The operation data are applied to the 220/230/240V districts respectively.(4) The refrigerant quantity to be charged includes the refrigerant in 10m connecting piping. (Purging is not required even for the short piping.)

				Model	SRK13YJ-S		
Item	_				Indoor unit SRK13YJ-S	Outdoor unit SRC13YJ-S	
Cooling capacity	(1)			W	3500 (1000 (Mir	n.)~3700 (Max.))	
Power supply					1 Phase, 220~240	V, 50Hz / 220V, 60Hz	
	Power consum	nption	Cooling	kW	0.99 (0.2	21~1.24)	
Operation	Running		Cooling	A	4.7 / 4.5 / 4.3 (2	20 / 230 / 240 V)	
data (1)	Inrush o	current	1	1 '' F	4.7 / 4.5 / 4.3 (2	20 / 230 / 240 V)	
. ,	COP		Cooling			.54	
	Noise		Sound level	dB(A)	Hi : 46 Me : 34 Lo : 28	50	
	level	Cooling	Power level	dB	62	60	
Exterior dimension	ns (Height	x Width x [Depth)	mm	268 x 790 x 213	540 x 780 (+62) x 290	
Exterior appearar (Munsell color)	nce		. ,		Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent	
Net weight				kg	8.5	35	
	Compre	essor type	& Q'ty		_	RM-B5077MDE1 (Rotary type) x 1	
		(Starting m		kW	_	0.90 (Line starting)	
	Refrige	rant oil		l	0.35 (DIAMONE	FREEZE MA68)	
Refrigerant	Refrige	rant (3)		kg	R410A 1.05 (Pre-Charged up to the piping length of 15m)		
equipment	Heat ex	changer			Slit fins & inner grooved tubing	M fins & inner grooved tubing	
	Refrige	rant contro	I		Capillary tubes + Electronic expansion valve		
	Deice control			Microcomputer control			
	Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1		
	Motor			W	38	24	
Air handling	Air flow		Cooling	CMM	Hi: 8.5 Me: 6.8 Lo: 4.6	27.8	
equipment	Fresh air intake				Not possible	_	
	Air filter	, Quality / 0	Quantity		Polypropylene net (washable) x 2	_	
Shock & vibration	absorber				-	Cushion rubber (for compressor)	
	Operati	Operation switch			Wireless-Remote control	_	
Operation	Room temperature control				Microcomputer thermostat	_	
control	Operation Display				RUN : Green, TIMER : Yellow, HI POWER : Green, 3D AUTO : Orange		
Safety devices					Frost protection, Serial signal error p	ction, Overcurrent protection, protection, Fan motor error protection, oad protection	
	Refrige	rant piping	size (O.D)	mm	Liquid line : φ 6.35 (1/4") Gas line : ϕ 9.52 (3/8")	
	connec	ting metho	d		Flare co	nnecting	
Installation	Attache	d length of	piping	m	Liquid line : 0.40 Gas line : 0.33	_	
data	Insulation	on for pipir	ıg		Necessary (Both s	sides), independent	
	Refrige	rant line (or	ne way) length		Ma	x. 15	
			erence between	m		or unit is higher)	
outdoor unit and indoor unit			Max.10 (Outdoor unit is lower)				
Drain hose					Connectable (VP 16) —		
Power cable					2m (3 Cores wih Earth)		
Recommended breaker size		Α	16				
Connection wiring	a		Core number			ncluding earth cable)	
		Conn	ecting method		,	Screw fixing type)	
Accessories (incl	uded)				Moun	ting kit	
Optional parts						_	

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

Item	Indoor air temperature		Outdoor air temperature		Standards	
Operation	DB	WB	DB	WB	Standards	
Cooling	27°C	19°C	35°C	24°C	ISO-T1 , JIS C 9612	

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.
 (3) The operation data are applied to the 220/230/240V districts respectively.
 (4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping. (Purging is not required even for the short piping.)

				Model	SRK18YJ-S		
Item					Indoor unit SRK18YJ-S	Outdoor unit SRC18YJ-S	
Cooling capacity	(1)			W	5000 (1600 (Mir	n.)~5500 (Max.))	
Power supply					1 Phase, 220~240	V, 50Hz / 220V, 60Hz	
	Power consumption		Cooling	kW	1.56 (0.4	10~2.20)	
O	Running		Cooling	A	7.5 / 7.1 / 6.8 (2	20 / 230 / 240 V)	
Operation data (1)	Inrush			-	75 / 71 / 60 /0	20 / 220 / 240 \	
uaia (1)	COP	urrent	Cooling	+ +		20 / 230 / 240 V) 21	
			Sound level	dB(A)	Hi : 49 Me : 37 Lo : 28	51	
	Noise level	Cooling	Power level	dB(A)	63	61	
Exterior dimension			1	mm	268 x 790 x 213	640 x 800 (+71) x 290	
Exterior appeara		X WIGHT X I	Бери і)	111111	Fine snow	Stucco white	
(Munsell color)	ice				(8.0Y 9.3/0.1) near equivalent	(4.2Y 7.5/1.1) near equivalent	
Net weight				kg	8.5	42	
Tot Worght	Compre	essor type	& O'tv	19		5RS132XAB21 (Rotary type) x 1	
		(Starting m		kW		1.50 (Line starting)	
	Refriger	<u> </u>	ictriouj	e l		FV50S)	
Refrigerant	Refriger			kg	<u> </u>	to the piping length of 15m)	
equipment		changer		I Ng	Slit fins & inner grooved tubing	M fins & inner grooved tubing	
		rant contro				etronic expansion valve	
	Deice control			Microcomputer control			
	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1	
	Motor			w	38	34	
Air handling	Air flow		Cooling	CMM	Hi : 11.0 Me : 7.6 Lo : 4.7	36.0	
equipment	Fresh air intake		Cooming	Olvilvi	Not possible	30.0	
		; Quality / (Quantity	+ +	Polypropylene net (washable) x 2	_	
Shock & vibration		, Quality / V	Quantity	+ +	- Usypropylene net (washable) x 2	Cushion rubber (for compressor)	
SHOOK & VIBIATION		on switch			Wireless-Remote control	— Cusinon rubber (for compressor)	
Operation	-		e control		Microcomputer thermostat	_	
control	Room temperature control Operation Display			RUN : Green, TIMER : Yellow, HI POWER : Green, 3D AUTO : Orange			
Safety devices					Compressor overheat protection, Serial signal error p	or orange ction, Overcurrent protection, protection, Fan motor error protection, load protection	
	Refriger	rant piping	size (O.D)	mm	· · · · · · · · · · · · · · · · · · ·) Gas line : φ 12.7 (1/2")	
		ting metho	. ,			nnecting	
Installation	Attache	ed length of	f piping	m	Liquid line : 0.4 Gas line : 0.33	_	
data	Insulation	on for pipir	ng		Necessary (Both s	sides), independent	
	Refriger	rant line (or	ne way) length		Max	x. 25	
			erence between	m	Max. 15 (Outdo	or unit is higher)	
outdoor unit and indoor unit			Max. 15 (Outdoor unit is lower)				
Drain hose					Connectable (VP 16) —		
Power cable					2m (3 Cores wih Earth)		
Recommended breaker size				Α	1	16	
Connection wirin		Size	Core number		1.5mm ² x 4 cores (li	ncluding earth cable)	
	y 	Conn	ecting method		Terminal block (S	Screw fixing type)	
Accessories (incl	uded)				Moun	ting kit	
Optional parts							

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

,	,					
	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation	DB	WB	DB	WB	Standards
ĺ	Coolina	27°C	19°C	35°C	24°C	ISO-T1 . JIS C 9612

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.
 (3) The operation data are applied to the 220/230/240V districts respectively.
 (4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping. (Purging is not required even for the short piping.)

Indoor units Models SRK10YJ-S, 13YJ-S, 18YJ-S

Symbol Content Model 10,13 φ9.52 (3/8") (Flare) Gas piping Α Model 18 φ 12.7 (1/2") (Flare) В Liquid piping φ6.35 (1/4") (Flare) Hole on wall for right rear piping $(\phi 65)$ Hole on wall for left rear piping D $(\phi 65)$ Е Drain hose VP16 Outlet for wiring G Outlet for piping (on both side)

17.5 60 27 213 790 11110 8 45 Terminal block တ Outlet for down piping (Refer to the above view) Installation plate (Service space) . 50 . (Service space) 450 100 138 202 (Service space) 206.5 450 133.5 585 102.5 102.5 43.2 99 15 (Service space) 252.2 44.5 44.5

788

6

Space for installation and service when viewing from the front

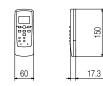
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53.5

380.6 448.6 520

53.5

Wireless remote controller



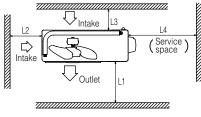
Note (1) The model name label is attach on the underside of the panel.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Models SRC10YJ-S, 13YJ-S

Outdoor units

(5) A wall in front of the blower outlet must not exceed the units height. (6) The model name label is attached on the lower right comer of the front panel.



Notes

Terminal block

33.5

138.4

42.5

(1) It must not be surrounded by walls on the four sides.

(3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly

protrude more the 15mm.

to the dominant wind direction. (4) Leave 1m or more space above the unit.

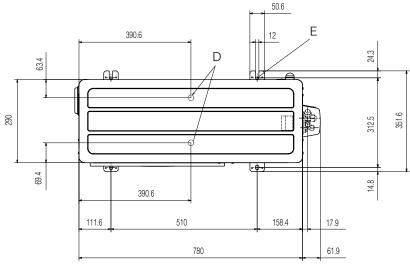
(2) The unit must be fixed with anchor bolts. An anchor bolt must not

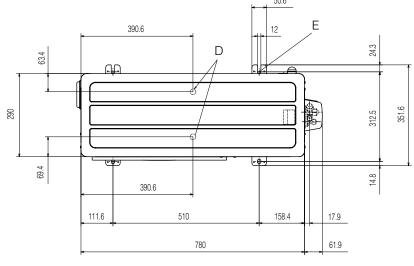
Minimum installation space

Examples of installation Dimensions		II	III	IV
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open

Symbol	Content	
Α	Service valve connection (gas side)	φ9.52 (3/8") (Flare)
В	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)
С	Pipe/cable draw-out hole	
D	Drain discharge hole	φ20 × 2places
Е	Anchor bolt hole	M10 × 4places

Unit:mm



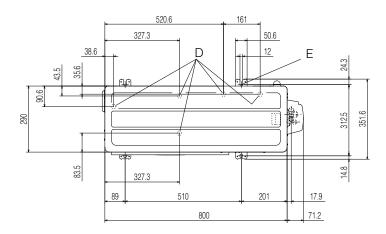


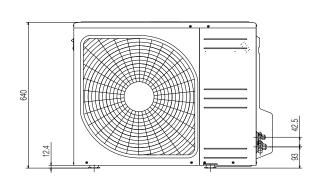
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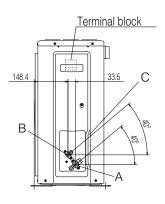
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15.8

Symbol	Content		
Cymbol	Odnichi		
Α	Service valve connection (gas side)	φ12.7 (1/2") (Flare)	
В	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)	
С	Pipe/cable draw-out hole		
D	Drain discharge hole	φ20 × 5places	
Е	Anchor bolt hole	M10 x 4places	

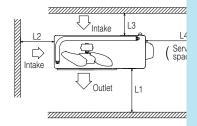






Notes

- (1) It must not be surrounded by walls on the four sides.
 (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more the 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
 (5) A wall in front of the blower outlet must not exceed the units
- (6) The model name label is attached on the right side of the ur



Minimum installation space

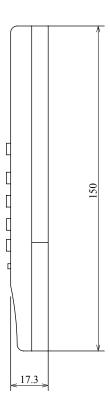
Examples of installation Dimensions	I	II	III
L1	Open	280	280
L2	100	75	Open
L3	100	80	80
L4	250	Open	250

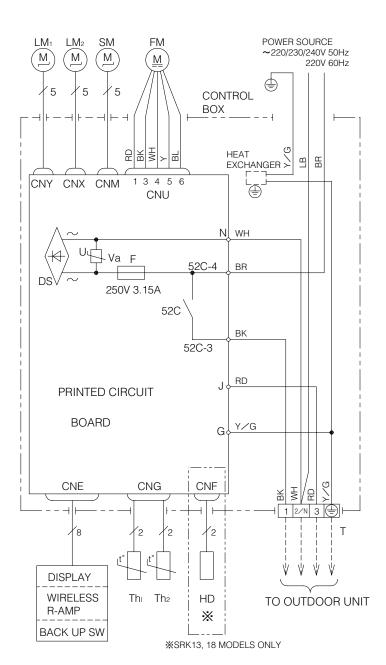
Все каталоги и

(3) Wireless remote controller

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html





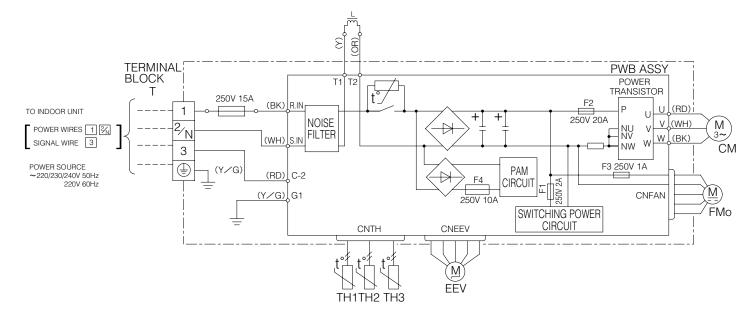


3. ELECTRICAL WIRING (1) Indoor units

Models SRK10YJ-S, 13YJ-S, 18YJ-S

Item	Description
CNE-CNU	Connector
FM	Fan motor
SM	Flap motor
LM _{1,2}	Louver motor
HD	Humidity sensor
Thı	Room temp. sensor
Th ₂	Heat exch. sensor
DS	Diode stack
F	Fuse
Т	Terminal block
Va	Varistor

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Υ	Yellow
Y/G	Yellow/Green
LB	Light blue
BR	Brown



Mark

BK

OR

WH

Υ

Y/G

Color

Black

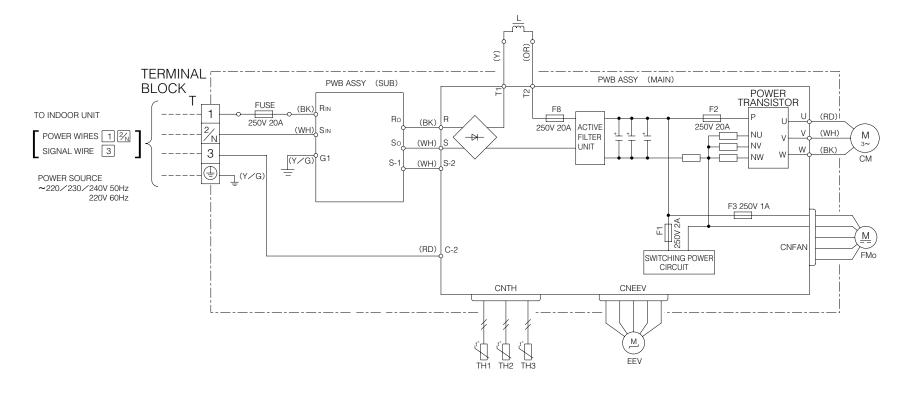
Orange Red

White

Yellow

Yellow/Green

Item	Description
CM	Compressor motor
CNTH CNEE	Connector
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
Т	Terminal block
TH1	Heat exchanger sensor (outdoor unit)
TH2	Outdoor air temp.sensor
TH3	Discharge pipe temp.sensor

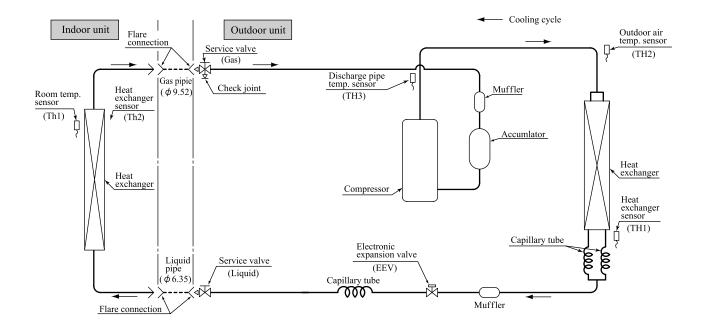


Item	Description
СМ	Compressor motor
CNTH CNEE	Connector
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
T	Terminal block
TH1	Heat exchanger sensor (outdoor unit)
TH2	Outdoor air temp.sensor
TH3	Discharge pipe temp.sensor

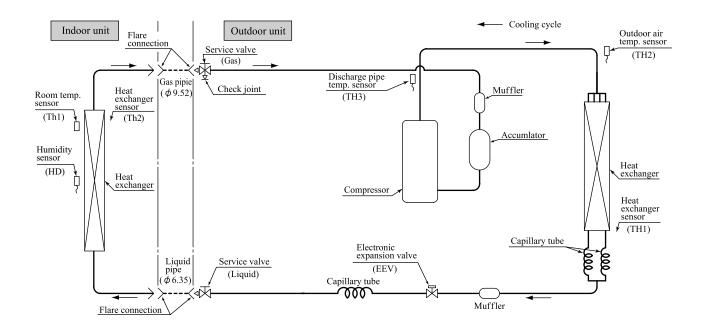
Mark	Color
BK	Black
OR	Orange
RD	Red
WH	White
Υ	Yellow
Y/G	Yellow/Green

4. PIPING SYSTEM

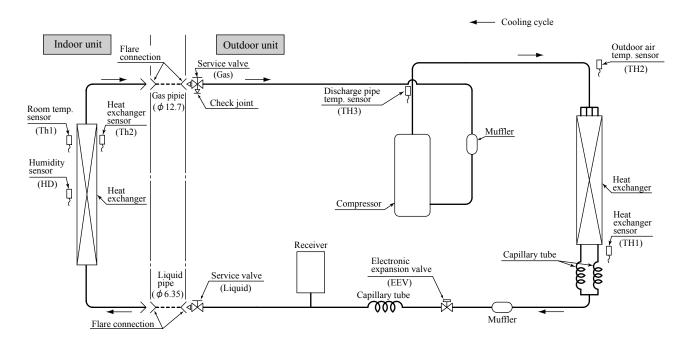
Model SRK10YJ-S



Model SRK13YJ-S



Model SRK18YJ-S



5. RANGE OF USAGE & LIMITATIONS

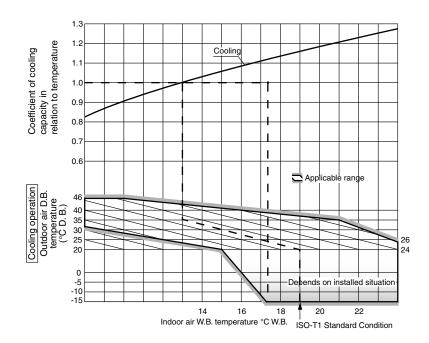
Models	SRK10, 13YJ-S	SRK18YJ-S	
Indoor return air temperature (Upper, lower limits)	Cooling operation : Approximately 18 to 32°C D.B. (Refer to the selection chart)		
Outdoor air temperature (Upper, lower limits)	Cooling operation : Approximately 21 to 46°C D.B. (Refer to the selection chart)		
Refrigerant line (one way) length	Max. 15m	Max. 25m	
Vertical height difference between outdoor unit and indoor unit	Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)	Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	
Power source voltage	Rating $\pm 10\%$		
Voltage at starting	Min. 85% of rating		
Frequency of ON-OFF cycle	Max. 4 times/h (Inching prevention 10 minutes) Max. 7 times/h (Inching prevention 5 minutes)		
ON and OFF interval	Min. 3	minutes	

Selection chart

Correct the cooling capacity in accordance with the conditions as follows. The net cooling capacity can be obtained in the following way.

Net capacity = Capacity shown on specification × Correction factors as follows.

(1) Coefficient of cooling capacity in relation to temperatures



(2) Correction of cooling capacity in relation to one way length of refrigerant piping

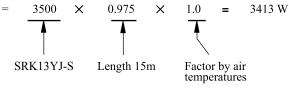
It is necessary to correct the cooling capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15	20	25	30
Cooling	1.0	0.99	0.975	0.965	0.95	0.935

How to obtain the cooling capacity

 $Example: The \ net\ cooling\ capacity\ of\ the\ model\ SRK13YJ-S\ \ with\ the\ piping\ length\ of\ 15m,\ indoor\ wet-bulb\ temperature\ at\ 19.0^{\circ}C$

and outdoor dry-bulb temperature 35°C is Net cooling capacity =



6. APPLICATION DATA

Safety precautions

- When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.
- We recommend you to read this "SAFETY PRECAUTIONS" carefully before the installation work in order to gain full advantage of the functions of the unit and to avoid malfunction due to mishandling
- The precautions described below are divided into **AWARNING** and **ACAUTION**. The matters with possibilities leading to serious consequences such as death or serious personal injury due to erroneous handling are listed in the **AWARNING** and the matters with possibilities leading to personal injury or damage of the unit due to erroneous handling including probability leading to serious consequences in some cases are listed in **ACAUTION**. These are very important precautions for safety. Be sure to observe all of them without fail.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- Symbols which appear frequently in the text have the following meaning:



Observe instructions with great care



Strictly prohibited



Provide proper earthing

WARNING



· Installation must be carried out by the qualified installer.

If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction.

- Install the system in full accordance with the instruction manual. Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- Be sure to use only for household and residence.

If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.

- · Use the original accessories and the specified components for installation. If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- · Install the unit in a location with good support.

Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.

Ensure the unit is stable when installed, so that it can withstand earth-quakes and strong winds.

Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.

Ventilate the working area well in the event of refrigerant leakage during installation. If the refrigerant comes into contact with naked flames, poisonous gas is

When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage.

Consult the expert about prevention measures. If the density of refrigerant exceeds the limit in the event of leakage, lack of oxygen can occur, which can cause serious accidents.

- After completed installation, check that no refrigerant leaks from the system. If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- Use the prescribed pipes, flare nuts and tools for R410A.

Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.

Tighten the flare nut by torque wrench with specified method.

If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.

Do not open the operation valves for liquid line and gas line until completed refrigerant piping work, air tightness test and evacuation. If the compressor is operated in state of opening operation valves before completed connection of refrigerant piping work, air can be sucked into refrigerant circuit, which can cause bust or personal injury due to anomalously high pressure in the refrigerant. The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated

Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.

Be sure to shut off the power before starting electrical work.

Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.

Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.

Unconformable cables can cause electric leak, anomalous heat production or

- This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:16A) with a contact separation of at least
- When plugging this appliance, a plug conforming to the norm $\rm IEC60884-1\ must$ be used.
- Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.

Loose connections or cable mountings can cause anomalous heat production or fire.

- Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.
- Incorrect installation may result in overheating and fire. Be sure to fix up the service panels.

Incorrect fixing can cause electric shocks or fire due to intrusion of dust or

Be sure to switch off the power supply in the event of installation, inspection or servicing.

If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.

Stop the compressor before disconnecting refrigerant pipes in case of pump down operation.

If disconnecting refrigerant pipes in state of opening operation valves before compressor stopping, air can be sucked, which can cause burst or personal injury due to anomalously high pressure in the refrigerant circuit

Only use prescribed optional parts. The installation must be carried out by the qualified installer.

If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.



Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.

Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety.

· Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.

If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury. Do not processing, splice the power cord, or share a socket with other

power plugs. This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc. Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it. This may cause fire or heating.

Do not vent R410A into the atmosphere: R410A is a fluorinated green-house gas, covered by the Kyoto Protocol with Global Warming Poten-tial (GWP)=1975.

Do not run the unit with removed panels or protections.

Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.

Do not perform any change of protective device itself or its setup condition. The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.



· Carry out the electrical work for ground lead with care.

Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

CAUTION



Use the circuit breaker with sufficient breaking capacity.

If the breaker does not have sufficient breaking capacity, it can cause the unit malfunction and fire.

Earth leakage breaker must be installed.

If the earth leakage breaker is not installed, it can cause electric shocks.

- Install isolator or disconnect switch on the power supply wiring in ac-cordance with the local codes and regulations.
- Be sure to install indoor unit properly according to the instruction manual in order to run off the drainage smoothly.

Improper installation of indoor unit can cause dropping water into the room and damaging personal property.

• Install the drainage pipe to run off drainage securely according to the installation manual. Incorrect installation of the drainage pipe can cause dropping water into the

room and damaging personal property Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.

Check if the drainage runs off securely during commissioning and ensure the pace for inspection and maintenance

After maintenance, all wiring, wiring ties and the like, should be returned to their original state and wiring route, and the necessary clearance from all metal parts should be secured.

Secure a space for installation, inspection and maintenance specified in the manual.

Insufficient space can result in accident such as personal injury due to falling from the installation place.

· Take care when carrying the unit by hand.

If the unit weights more than 20kg, it must be carried by two or more persons. Do not carry by the plastic straps, always use the carry handle when carrying the unit by hand. Use gloves to minimize the risk of cuts by the aluminum fins.

Dispose of any packing materials correctly.

Any remaining packing materials can cause personal injury as it contains nails and wood. And to avoid danger of suffocation, be sure to keep the plastic wrapper away from children and to dispose after tear it up.

- For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.
- Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.

Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.

damage on the ceiling, floor, furniture and any other valuables. When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.



- · Do not install the unit in the locations listed below.
- · Locations where carbon fiber, metal powder or any powder is floating
- Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
- · Vehicles and ships.
- · Locations where cosmetic or special sprays are often used.
- Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
- Locations where any machines which generate high frequency harmonics are used.
- · Locations with salty atmospheres such as coastlines
- Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
- Locations where the unit is exposed to chimney smoke
- Locations at high altitude (more than 1000m high).
- Locations with ammonic atmospheres.

components, malfunction and fire.

- Locations where heat radiation from other heat source can affect the unit. • Locations without good air circulation.
- · Locations with any obstacles which can prevent inlet and outlet air of the
- · Locations where short circuit of air can occur (in case of multiple units installation).
- · Locations where strong air blows against the air outlet of outdoor unit It can cause remarkable decrease in performance, corrosion and damage of
- Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).
- · Locations with any obstacles which can prevent inlet and outlet air of the
- · Locations where vibration can be amplified due to insufficient strength of
- Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
- Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
- · Locations where drainage cannot run off safely.
- It can affect performance or function and etc
- Do not install the outdoor unit in the locations listed below.
- · Locations where discharged hot air or operating sound of the outdoor unit can bother neighborhood
- · Locations where outlet air of the outdoor unit blows directly to plants Locations where vibration can be amplified and transmitted due to insufficient strength of structure.
- Locations where vibration and operation sound generated by the outdoor unit can affect seriously (on the wall or at the place near bed room).
 Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m)
- · Locations where drainage cannot run off safely.
- It can affect surrounding environment and cause a claim

- Do not install the unit near the location where leakage of combustible
 - gases can occur.

 If leaked gases accumulate around the unit, it can cause fire
- Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled. Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- Do not use the indoor unit at the place where water splashes may occur such as in laundries.
- Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.

Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.

Do not place any variables which will be damaged by getting wet under the indoor unit.

When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the da ables.

- · Do not install the remote control at the direct sunlight
- It can cause malfunction or deformation of the remote control
- Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.

 It can cause the damage of the items.
- Do not install the outdoor unit in a location where insects and small ani-Insects and small animals can enter the electric parts and cause damage or

Insects and small animals can enter the electric pairs and cause damage or fire. Instruct the user to keep the surroundings clean.

Do not use the base flame for outdoor unit which is corroded or damaged due to long periods of operation.

Using an old and damage base flame can cause the unit falling down and cause personal injury.

Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.

Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.

- · Do not touch any buttons with wet hands.
- It can cause electric shocks
- Do not touch any refrigerant pipes with your hands when the system is

During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost

- Do not touch the suction or aluminum fin on the outdoor unit. This may cause injury.
- Do not put anything on the outdoor unit and operating unit.

This may cause damage the objects or injury due to falling to the object.

Standard accessories (Installation kit) Accessories for indoor unit		
1	Installation board (Attached to the rear of the indoor unit)	1
2	Wireless remote control	1
3	Remote contorol holder	1
4	Tapping screws (for installation board 4dia. by 25mm)	5
(5)	Wood screw (for remote contorol switch holder 3.5dia. by 16mm)	2
6	Baterry [R03 (AAA, Micro) 1.5V]	2
7	Air-cleaning filters	2
8	Filter holders (Attached to the front panel of the indoor unit)	2

	Option parts	Q'ty
(a)	Sealing plate	1
(b)	Sleeve	1
©	Inclination plate	1
d	Putty	1
e	Drain hose (extention hose)	1
(f)	Piping cover (for insulation of connection piping)	1

	Necessary tools for the installation work
1	Plus headed driver (Phillips screwdriver)
2	Knife
3	Saw
4	Tape measure
5	Hammer
6	Spanner wrench
7	Torque wrench $ \begin{pmatrix} 14.0 \sim 62.0 \text{N} \cdot \text{m} \\ (1.4 \sim 6.2 \text{kgf} \cdot \text{m}) \end{pmatrix} $
8	Hole core drill (65mm in diameter)
9	Wrench key (Hexagon) [4m/m]
10	Vacuum pump
11	Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
12	Gauge manifold (Designed specifically for R410A)
13	Change hose Designed specifically for R410A
14	Flaring tool set (Designed specifically for R410A)
15	Gas leak detector (Designed specifically) for R410A
16	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
17	Pipe bender

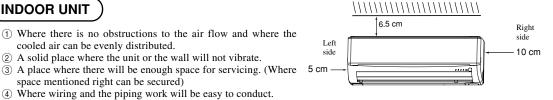
Selection of installation location

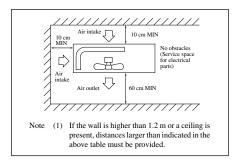
INDOOR UNIT

- 1) Where there is no obstructions to the air flow and where the cooled air can be evenly distributed.
- 2 A solid place where the unit or the wall will not vibrate.
- space mentioned right can be secured) 4 Where wiring and the piping work will be easy to conduct.
- (5) The place where receiving part is not exposed to the direct rays of the sun or the strong rays of the street lighting.
- (6) A place where it can be easily drained.
- (7) A place separated at least 1m away from the television or the
 - (To prevent interfence to images and sounds.)

OUTDOOR UNIT

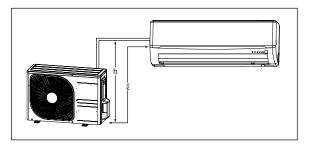
- (1) A place where good air circulation can be obtained and where rain, snow or sunshine will not directly strike the unit.
- A place where discharged hot air or unit's operating sound will not be a nuisance to the neighborhood.
- ③ A place where servicing space can be secured.
- 4 A place where vibration will not be enlarged.
 - *Avoid installing in the following places.
 - •A place near the bedroom and the like, so that the operation noise will cause no trouble.
 - •A place where there is possibility of flammable gas leakage.
 - •A place exposed to strong wind.
- (5) Blowing out port and suction port on the back side of the unit can be installed at a distance of 10cm from walls.
 - (In case the barrier is 1.2m or above in height, or is overhead, the sufficient space between the unit and wall shall be secured.
- 6 When the unit is installed, the space of the following dimension and above shall be secured.





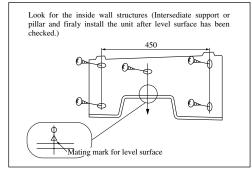
Limitations for one way piping length and vertical height difference

Model	SRK10YJ-S	CDK10V LC
Item	SRK13YJ-S	SRK18YJ-S
Total one way piping length (ℓ)	Max. 15 m	Max. 25 m
Vertical height difference (h)	Max. 10 m	Max. 15 m

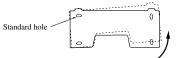


Installation of indoor unit

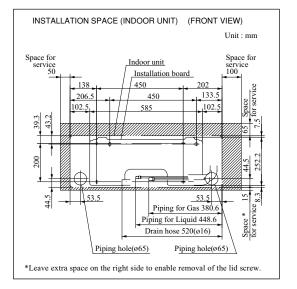
Installation of installation board



 Adjustment of the installation board in the horizontal direction is to be conducted with five screws in a temporary tightened state.

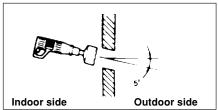


• Adjust so that board will be level by turning the board with the standard hole as the center.



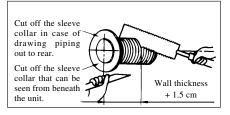
Drilling of holes and fixture sleeve (Option parts)

Drill a hole with Ø65 whole core drill



Note (1) Drill a hole with incline of 5 degree from indoor side to outdoor side.

Adjusting sleeve length



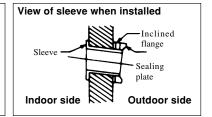
Install the sleeve

(Inserting sleeve)

Turn to

(*Sleeve + *Inclined + *Sealing plate)

Indoor side Outdoor side



Preparation of indoor unit

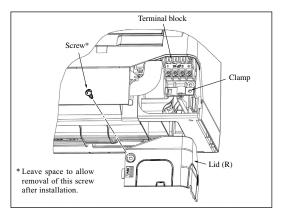
- 1 Mounting of connecting wires
 - a Remove the lid.
 - (b) Remove the wiring clamp.
 - © Connect the connecting wire securely to the terminal block.

Use cable for interconnection wiring to avoid loosening of the wires.

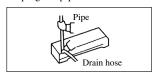
CENELEC code for cables Required field cables.

H05RNR3G1.5 (Example) or 245IEC57

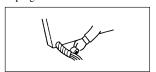
- H Harmonized cable type
- 05 300/500 volts
- R Natural-and/or synth. rubber wire insulation
- N Polychloroprene rubber conductors insulation
- R Standed core
- 4or5 Number of conductors
- G One conductor of the cables is the earth conductor (yellow/green)
- 1.5 Section of copper wire (mm²)
- Connect the connection wire securely to the terminal block.
 If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
- Take care not to confuse the terminal numbers for indoor and outdoor connections.
- Earth lead wire shall be longer than the other lead wires for the electrical safety in case of the slipping out of the cord from the anchorage.
- The earth line of power cord must be properly earthed.
- Affix the connection wire using the wiring clamp.
- d Fix the connecting wire by wiring clamp.
- Attach the lid.
- f) Close the air inlet panel.



② Shaping the pipe

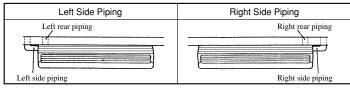


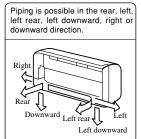
- Hold the bottom of the pipe and change its direction before stretching it and shaping it.
- 3 Taping of the exterior



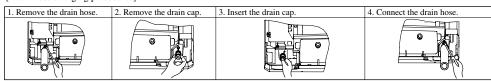
- Tape only the portion that runs through the wall. Always tape the crossover wires with the pipe.
- $\textcircled{4} \ \ \text{Cautions}$ when piping from the left and the rear center of the unit

[Top View]





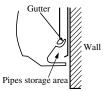
[Drain hose changing procedures]



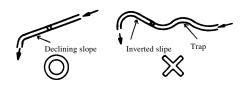
- Remove the screw and drain hose, making it rotate.
- Remove it with hand or pliers.
- Insert the drain cap which was removed at procedure "2" securely using a hexagonal wrench etc. Note: Be careful that If it is not Inserted securely, water leakage may
- Insert the drain hose securely, making rotate. And install the screw.
 Note: Be careful that If it is not Inserted securely, water

leakage may occur.

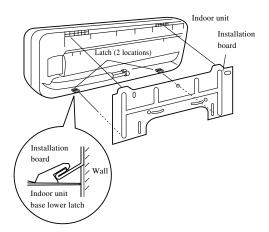
 Do not place the power supply cords above the gutter, because the air conditioner is structured in a way where condensation on the back side is collected in to the drain pan before drainage.

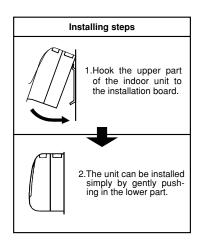


• Do not make traps in the drain hose line.



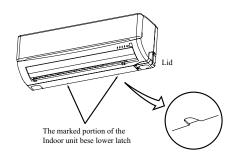
(5) Securing the indoor unit to the installation board





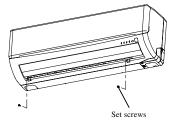
- How to remove the indoor unit from the installation board
 - ① Push up at the marked portion of the indoor unit base lower latch, and slightly pull it toward you. (both right and left hand sides)

 (The indoor unit base lower latch can be removed from the installation board)
 - ② Push up the indoor unit upward. So the indoor unit will be removed from the installation board.



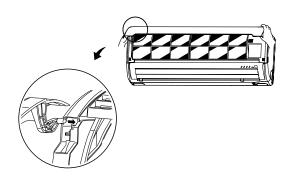
Removal and installation of the front panel

- ① Removing
 - Remove the 2 set screws.
 - Move the lower part of the panel forward and push upwards to remove. (Remove the 3 latches in the upper section.)
- ② Fitting
 - Do remove the air filter.
 - Cover the body with the front panel.
 - Tighten the 2 set screws.
 - Fit the air filter. Carry out in the above order.



Open/close and detachment/attachment of air inlet panel

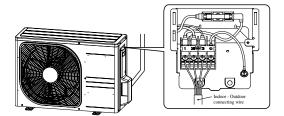
- ① To open, pull the panel at both ends of lower part and release latches, then pull up the panel until you feel resistance. (The air inlet panel stops at approx. 60° open position.)
- ② To close, hold the panel at both ends of lower part to lower downward and push it slightly until the latch works, then push the center portion slightly.
- ③ To remove, pull up the panel to the position shown in right illustration and pull it toward you.
- ④ To install, insert the air inlet panel arm into the slot on the front panel from the position shown in right illustration, hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works and further push the center portion slightly.



Installation of outdoor unit

- Make sure that the unit is stable in installation. Fix the unit to stable base.
- ② Perfrom wiring, making wire terminal numbers conform to terminal numbers of indoor unit terminal block.
- ③ Earth lead wire shall be longer than the other lead wires for the electrical safety in case of the slipping out of the cord from the anchorage.

Connect using ground screw located near @ mark.

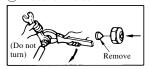


Connection of refrigerant pipings

Preparation

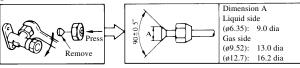
Keep the openings of the pipes covered with tapes etc. to prevent dust, sand, etc. from entering them.





Remove the flared nuts.
 (on both liquid and gas sides)

② Outdoor unit side

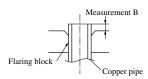


 Remove the flared nuts. (on both liquid and gas sides) • Install the removed flared nuts to the pipes to be connected, then flare the pipes.

⚠ CAUTION

Do not apply refrigerating machine oil to the flared surface.

• Flaring work

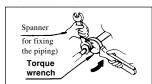


	Mea	surement B (mm)	
Copper pipe diameter	Clutch type flare tool f or R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ø6.35	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
ø9.52	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
ø12.7	0.0 ~ 0.5	10~15	20~25

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use. If a conventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

Connection of refrigerant piping

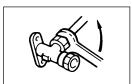
- 1 Indoor unit side
 - Connect firmly gas and liquid side pipings by Torque wrench.



Specified torquing value:

 $\begin{array}{ll} \mbox{Liquid side ($\emptyset 6.35)} &: 14{\sim}18N{\cdot}m \ (1.4{\sim}1.8kgf{\cdot}m) \\ \mbox{Gas side ($\emptyset 9.52)} &: 34{\sim}42N{\cdot}m \ (3.4{\sim}4.2kgf{\cdot}m) \\ \mbox{Gas side ($\emptyset 12.7)} &: 49{\sim}62N{\cdot}m \ (4.9{\sim}6.2kgf{\cdot}m) \end{array}$

- ② Outdoor unit side
 - Connect firmly gas and liquid side pipings by Torque wrench.



• Specified torquing value:

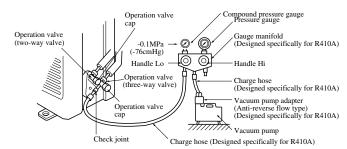
Liquid side (ø6.35) : 14~18N·m (1.4~1.8kgf·m) Gas side (ø9.52) : 34~42N·m (3.4~4.2kgf·m) Gas side (ø12.7) : 49~62N·m (4.9~6.2kgf·m)

• Use one more spanner to fix the valve.

• Always use a Torque wrench and back up spanner to tighten the flare nut.

Air purge

- Tighten all flare nuts in the pipings both indoor and outside wall so as not to cause leak.
- ② Connect service valve, charge hose, manifold valve and vacuum pump as is illustrated below.
- ③ Open manifold valve handle Lo to its full width, and perform vacuum or evacuation.
 - Continue the vacuum or evacuation operation for 15 minutes or more and check to see that the vacuum gauge reads 0.1 MPa (– 76 cmHg).
- 4 After completing vacuum operation, fully open service valve (Both gas and liquid sides) with hexagon headed wrench.
- (5) Detach the charge hoses.
- ⑥ Check for possible leakage of gas in the connection parts of both indoor and outdoor.



Securely tighten the operation valve cap and the check joint blind nut after adjustment.

Operation valve size (mm)	Operation valve cap tightening torque (N•m)	Check joint blind nut tightening torque (N•m)
ø6.35 (1/4")	20~30	
ø9.52 (3/8")	20~30	10~12
ø12.7 (1/2")	25~35	

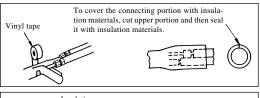
- Since the system uses check joints differing in diameter from those found on the conventional models, a charge hose (for R22) presently in use is not applicable.
 - Please use one designed specifically for R410A.
- Please use an anti-reverse flow type vacuum pump adapter so as to prevent vacuum pump oil from running back into the system.
 Oil running back into an air-conditioning system may cause the refrigerant cycle to break down.

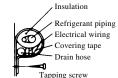
♦ Additional refrigerant charge

ſ	Model	SRK/C10YJ-S	SRK/C13YJ-S	SRK/C18YJ-S
	Additional refrigerant	Less than 10m : Not required More than 10m : 20g/m	Not required	Less than 15m : Not required more than 15m : 20g/m

Insulation of connecting portion

- ① Cover the connection portion of the refrigerant piping with the pipe cover and seal them.
 - If neglecting to do so, moisture occurs on the piping and water will drip out.
- $\ensuremath{\textcircled{2}}$ Finishing and fixing
 - Tie up the piping with wrapping tape, and shape it so that it conforms to which the pipe is attached.
 - (b) Fix them with clamps as right figure.





Cover the exterior portion with covering tape and shape the piping so it will match the contours of the route that the piping to take. Also fix the wiring and pipings to the wall with clamps.

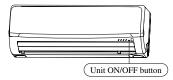
How to relocate or dispose of the unit

- In order to protect the environment, be sure to pump down (recovery of refrigerant).
- Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit when the pipes are removed from the unit.

<How to pump down>

- Connect charge hose to check joint.
- ② Liquid side: Close the liquid valve with hexagon wrench key. Gas side: Fully open the gas valve.
 - Carry out cooling operation. (If indoor temperature is low, operate forced cooling operation.)
- ③ After low pressure gauge become 0.01MPa, stop cooling operation and close the gas valve.
- Forced cooling operation

Turn on a power supply again after a while after turn off a power supply. Then press continually the ON/ OFF button 5 seconds or more.



Installation of remote control switch

Mounting method of battery

 Uncover the remote control switch, and mount the batteries [R03(AAA, Micro)×2 pieces] in the body regularly.

(Fit the poles with the indication marks, \bigoplus & \bigcirc without fail)

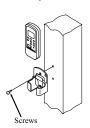


⚠ CAUTION

Do not use new and old batteries together.

Fixing to pillar or wall

- Conventionally, operate the wireless remote control by holding in your hand.
- Avoid installing it on a clay wall etc.



Earthing work

- Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
- The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done.

 City water pipe, Town gas pipe, TV antenna, lightning conductor, telephone line, etc.

Trial run and operation

- ① Conduct trial run after confirming that there is no gas leaks.
- ② When conducting trial run set the remote control thermostat to continuous operation position. However when the power source is cut off or when the unit's operation switch is turned off or was turned to fan operation position, the unit will not go into operation in order to protect the compressor.
- 3 Explain to the customer on the correct usage of the air-conditioner in simple layman's terms.
- 4 Make sure that drain flows properly.

Installations test check points

Check the following points again after completion of the installation, and before turning on the power. Conduct a test run again and ensure that the unit operates properly.

At the same time, explain to the customer how to use the unit and how to take care of the unit following the instruction manual.

After installation	Test run
The power supply voltage is correct as the rating.	Air conditioning operation is normal.
No gas leaks from the joints of the operation valve.	No abnormal noise.
Power cables and crossover wires are securely fixed	Water drains smoothly.
to the terminal board.	Protective functions are not working.
Operation valve is fully open.	The remote control is normal.
The pipe joints for indoor and outdoor pipes have been insulated.	Operation of the unit has been explained to the customer

(Three-minute restart preventive timer)

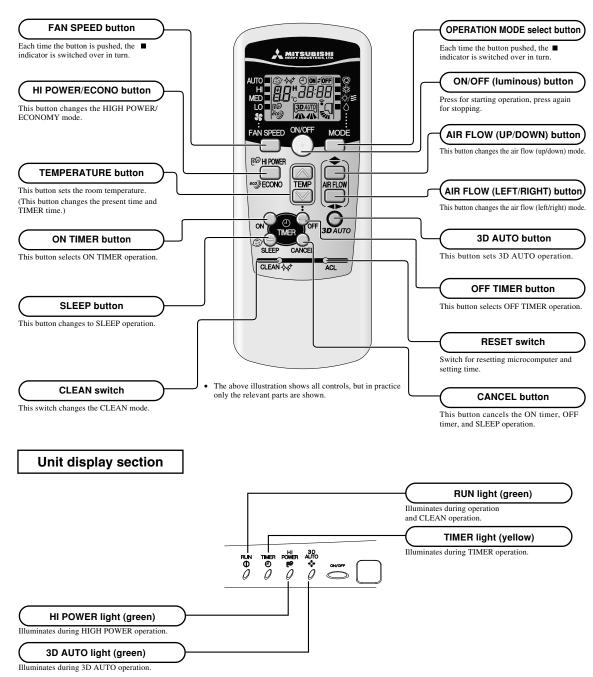
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3 minutes. This is to protect the unit and it is not a malfunction.

7. OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

(1) Operation control function by remote controller

Remote controller

Operation section



(2) Unit ON/OFF button

When the remote controller batteries become weak, or if the remote controller is lost or malfunctioning, this button may be used to turn the unit on and off.

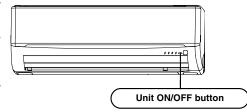
(a) Operation

Push the button once to place the unit in the automatic mode. Push it once more to turn the unit off.

(b) Details of operation

The unit will go into the automatic mode in which it automatically determines, from room temperature (as detected by sensor), whether to go into the cooling or thermal dry modes.

Function Operation mode	Room temperature setting	Fan speed	Flap	Timer switch
Cooling	About 24°C	Auto Auto		Continuous
Thermal dry	About 24°C	Auto	Auto	Continuous



(3) Auto restart function

(a) Auto restart function records the operational status of the air-conditioner immediately prior to be switched off by a power cut, and then automatically resumes operations after the power has been restored.

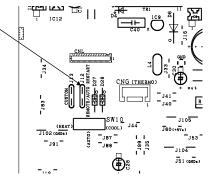
Jumper wire (J12)

Jumper wire (J13)

- (b) The following settings will be cancelled:
 - 1) Timer settings
 - 2) HIGH POWER operations

Notes (1) Auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.

- (2) When power failure ocurrs, the timer setting is cancelled. Once power is resumed, reset the timer.
- (3) If the jumper wire (J12) "AUTO RESTART" is cut, auto restart is disabled. (See the diagram at right)



(4) Custom cord switching procedure

If two wireless remote controller are installed in one room, in order to prevent wrong operation due to mixed signals, please modify the printed circuit board in the indoor unit's control box and the remote controller using the following procedure. Be sure to modify both boards. If only one board is modified, receiving (and operation) cannot be done.

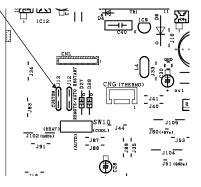
(a) Modifying the indoor unit's printed circuit board

Take out the printed circuit board from the control box and cut off jumper wire (J13) using wire cutters.

After cutting of the jumper wire, take measures to prevent contact with the other the lead wires, etc.

(b) Modifying the wireless remote controller

- 1) Remove the battery.
- 2) Cut the jumper wire shown in the figure at right.



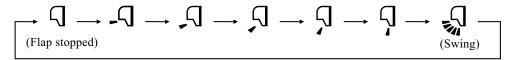


(5) Flap and louver control

Control the flap and louver by AIR FLOW ♦ (UP/DOWN) and ♦ (LEFT/RIGHT) button on the wireless remote controller.

(a) Flap

Each time when you press the AIR FLOW **\(\DOWN \)** (UP/DOWN) button the mode changes as follows.

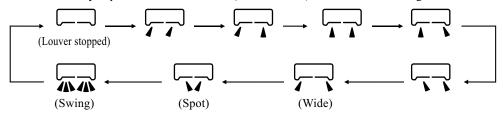


· Angle of Flap from Horizontal

Remote controller display	-7	7	Ţ	7	Ş
COOL , DRY, FAN	Approx. 10°	Approx. 20°	Approx. 30°	Approx. 45°	Approx. 60°

(b) Louver

Each time when you press the AIR FLOW ◆ (LEFT/RIGHT) button the mode changes as follows.



· Angle of Louver

Remote controller display	11				
Center installation	Left Approx. 45°	Left Approx. 20°	Center	Right Approx. 20°	Right Approx. 45°
Right end installation	Left Approx. 45°	Left Approx. 30°	Left Approx. 20°	Center	Right Approx. 20°
Left end installation	Left Approx. 20°	Center	Right Approx. 20°	Right Approx. 30°	Right Approx. 45°

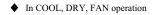
(c) Swing

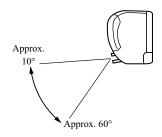
1) Swing flap

Flap moves in upward and downward directions continuously.

2) Swing louver

Louver moves in left and right directions continuously.







(c) Memory flap (Flap or Louver stopped)

When you press the AIR FLOW (UP/DOWN or LEFT/RIGHT) button once while the flap or louver is operating, it stops swinging at the position. Since this angle is memorized in the microcomputer, the flap or louver will automatically be set at this angle when the next operation is started.

(d) When not operating

The flap returns to the position of air flow directly below, when operation has stopped.

(6) 3D auto operation

Control the flap and louver by 3D AUTO button on the wireless remote controller.

Air flow selection and air flow direction are automatically controlled, allowing the entire indoor to efficiently conditioned.

- (a) During Cooling (Including auto cooling)
 - 1) Air flow selection is determined according to indoor temperature and setting temperature.

Operation mode	Air flow selection				
Operation mode	AL	JTO	HI	MED	LO
At cooling	Indoor temp. – Setting temp. >5°C	Indoor temp. – Setting temp. ≦ 5°C	ні	MED	LO
At cooling	HIGH POWER	AUTO	111	MED	LO

- 2) Air flow direction is controlled according to the indoor temperature and setting temperature.
 - a) When 3D auto operation starts

	Cooling
Flap	Up/down Swing
Louver	Wide (Fixed)

b) When Indoor temp. – Setting temp. is $\leq 5^{\circ}$ C during cooling, the system switches to the following air flow direction control. After the louver swings left and right symmetrically for 3 cycles, control is switched to the control in c).

	Cooling
Flap	Horizontal blowing (Fixed)
Louver	Left/right Swing

c) After the flap swings for 5 cycles, control is switched to the control in d).

	Cooling
Flap	Up/down Swing
Louver	Center (Fixed)

d) For 5 minutes, the following air flow direction control is carried out.

Cooling	
Flap	Horizontal blowing (Fixed)
Louver	Wide (Fixed)

e) After 5 minutes have passed, the air flow direction is determined according to the indoor temperature and setting temperature.

Operation mode	Air flow direction contorol				
At cooling	Indoor temp. – Setting temp. ≦2°C	2° C < Indoor temp. – Setting temp. $\leq 5^{\circ}$ C	Indoor temp. – Setting temp. > 5 °C		
At cooling	The control in d) continues.	Control returns to the control in b).	Control returns to the control in a).		

(b) During DRY Operation (including auto DRY operation)

Air flow selection	According to DRY operation.				
Flap	Horizontal blowing (Fixed)				
Louver	Wide (Fixed)				

(7) Timer operation

(a) Comfortable timer setting (ON timer)

If the timer is set at ON when the operation select switch is set at the cooling, or the cooling in auto mode operation is selected, the comfortable timer starts and determines the starting time of next operation based on the initial value of 15 minutes and the relationship between the indoor temperature at the setting time (temperature of room temperature sensor) and the setting temperature.

(b) Sleep timer operation

Pressing the SLEEP button causes the temperature to be controlled with respect to the set temperature.

(c) OFF timer operation

The Off timer can be set at a specific time (in 10-minute units) within a 24-hour period.

(8) Installation location setting

When the indoor unit is installed at the end of a room, control the air flow direction so that it is not toward the side walls. If you set the remote controller installation position, keep it so that the air flow is within the range shown in the following figure.

(a) Setting

1) If the air conditioning unit is running, press the ON/OFF button to stop.

The installation location setting cannot be made while the unit is running.

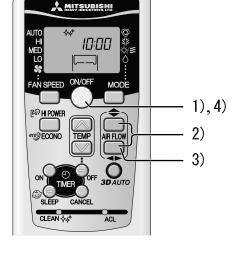
The installation location display illuminates.

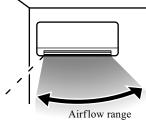
3) Setting the air-conditioning installation location.

Press the AIR FLOW ♠ (LEFT/RIGHT) button and adjust to the desired location.

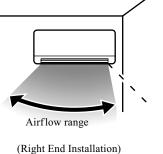
Each time the AIR FLOW **♦** (LEFT/RIGHT) button is pressed, the indicator is switched in the order of:











4) Press the ON/OFF button.

The air-conditioner's installation location is set.

Press within 60 seconds of setting the installation location (while the installation location setting display illuminates).

(9) Outline of cooling operation

(a) Operation of major functional components in Cooling mode

	Cooling							
	Thermostat ON	Thermostat OFF	Failure					
Compressor	ON	OFF	OFF					
Indoor fan motor	ON	ON	ON					
Outdoor fan motor	ON	OFF (few minutes ON)	OFF (few minutes ON)					

(b) Detail of control in each mode (Pattern)

1) Fuzzy operation

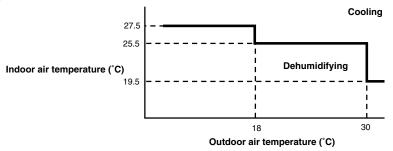
During the fuzzy operation, the air flow and the compressor command speed are controlled by calculating the difference between the room temperature setting correction temperature and the suction air temperature.

Model Fan speed	SRK10YJ-S	SRK13YJ-S	SRK18YJ-S
Auto	20~74rps	20~98rps	23~96rps
Н	20~74rps	20~98rps	23~96rps
MED	20~52rps	20~74rps	23~62rps
LO	20~38rps	20~46rps	23~38rps

(10) Outline of automatic operation

(a) Determination of operation mode

The unit checks the indoor air temperature and the outdoor air temperature, determines the operation mode, and then begins in the automatic operation.



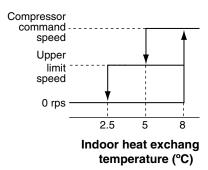
- **(b)** The unit checks the temperature every hour after the start of operation and, if the result of check is not same as the previous operation mode, changes the operation mode.
- **(c)** When the unit is started again within one hour after the stop of automatic operation or when the automatic operation is selected during cooling or dehumidifying operation, the unit is operated in the previous operation mode.
- (d) Setting temperature can be adjusted within the following range. There is the relationship as shown below between the signals of the wireless remote controller and the setting temperature.

	Signals of wireless remote controller (Display)													
		-6	-5	-4	-3	-2	-1	±0	+1	+2	+3	+4	+5	+6
Setting	Cooling	18	19	20	21	22	23	24	25	26	27	28	29	30
temperature	Dehumidifying	19	20	21	22	23	24	25	26	27	28	29	30	31

(11) Protective control function

- (a) Frost prevention for indoor heat exchanger (During cooling or dehumidifying)
 - 1) Operating conditions
 - a) Indoor heat exchanger temperature (Th2) is lower than 5°C.
 - b) 8 minutes after reaching the compressor command speed except 0 rps.
 - 2) Detail of anti-frost operation

Indoor heat exchanger					
Item	5°C or lower	2.5°C or lower			
Upper limit speed	model 10 : 44 rps model 13 : 70 rps model 18 : 76 rps	0rps			
Indoor fan	Depends on operation mode	Protects the fan tap just before frost prevention control			
Outdoor fan	Depends on operation mode	Depends on stop mode			



- 3) Reset conditions: The indoor heat exchanger temperature (Th2) is 8°C or higher after 5 minutes of operation following control of the compressor command speed upper is 0 rps.
- (b) Cooling overload protective control
 - 1) Operating conditions: When the outdoor unit is operating with the compressor command speed of other than 0 rps, and when the outdoor air temperature sensor (TH2) becomes 41°C or over for 30 seconds continuously.
 - 2) Detail of operation
 - a) Outdoor fan is stepped up by 3 speed step. (Upper limit speed is 7th speed.)
 - b) The lower limit of compressor command speed is set to 30 rps and even if the calculated result becomes lower than that after fuzzy calculation, the speed is kept to 30 rps. However, when the thermo becomes OFF, the speed is reduced to 0 rps.
 - 3) Reset conditions: When either of the following condition is satisfied.
 - a) When the outdoor air temperature becomes 40°C or less.
 - b) When the compressor command speed is 0rps.

(c) Compressor overheat protection

- Purpose: It is designed to prevent deterioration of oil, burnout of motor coil and other trouble resulting from the compressor overheat.
- 2) Detail of operation
 - a) Speeds are controlled with temperature detected by the sensor mounted on the discharge pipe.

After lapse of 3 min. or over (3)

Lower limit (4)

0 rps

Discharge pipe temperature (°C)

- Notes (1) When the discharge pipe temperature is in the range of 100 to 110°C, the speed is reduced by 4 rps.
 - (2) When the discharge pipe temperature is raised and continues operation for 20 seconds without changing, then the speed is reduced again by 4 rps.
 - (3) If the discharge pipe temperature is still 90°C or greater but less than 100°C even when the compressor command speed is maintained for 3 minutes when the temperature is 90°C or greater but less than 100°C, the speed is raised by 2 rps and kept at that speed for 3 minutes. This process is repeated until the compressor command speed is reached.
 - (4) Lower limit speed

	Cooling
Models 10, 13	20 rps
Models 18	24 rps

b) If the temperature of 110°C is detected by the sensor on the discharge pipe, then the compressor will stop immediately. When the discharge pipe temperature drops and the time delay of 3 minutes is over, the unit starts again within 1 hour but there is no start at the third time.

(d) Current safe

- Purpose: Current is controlled not to exceed the upper limit of the setting operation current.
- 2) Detail of operation: Input current to the converter is monitored with the current sensor fixed on the printed circuit board of the outdoor unit and, if the operation current value reaches the limiting current value, the compressor command speed is reduced.

If the mechanism is actuated when the speed of compressor command is less than 30 rps, the compressor is stopped immediately. Operation starts again after a delay time of 3 minutes.

(e) Current cut

- 1) **Purpose:** Inverter is protected from overcurrent.
- 2) Detail of operation: Output current from the converter is monitored with a shunt resistor and, if the current exceeds the setting value, the compressor is stopped immediately. Operation starts again after a delay time of 3 minutes.

(f) Outdoor unit failure

This is a function for determining when there is trouble with the outdoor unit during air conditioning.

The compressor is stopped if any one of the following in item 1), 2) is satisfied. Once the unit is stopped by this function, it is not restarted

- 1) When the input current is measured at 1 A or less for 3 continuous minutes or more.
- 2) If the compressor command sends a 0 rps signal to the indoor unit 3 times or more within 20 minutes of the power being turned on.

(g) Inching prevention

When the compressor goes into the thermo operation within 10(5) minutes since operation start or becomes various dehumidifying operations, the operation is continued with the lower limit speed forcibly.

Note (1) Values in () are for the model 18.

(h) Indoor fan motor protection

When the air conditioner is operating and the indoor fan motor is turned ON, if the indoor fan motor has operated at 300 rpm or under for more than 30 seconds, the unit enters first in the stop mode and then stops the entire system.

(i) Serial signal transmission error protection

1) **Purpose:** Prevents malfunction resulting from error on the indoor \leftrightarrow outdoor signals.

2) Detail of operation

a) When the outdoor unit controller cannot receive signals from the indoor unit

If the compressor is operating and a serial signal cannot be received from the indoor control with outdoor control having serial signals continuously for 1 minute and 55 seconds, the compressor is stopped.

After the compressor has been stopped, it will be restarted after the compressor start delay if a serial signal can be received again from the indoor control.

- b) When the indoor unit controller cannot receive signals from the outdoor unit
 - If the outdoor unit inverter signals cannot be received for 10 seconds continuously during the transfer error check at the first time after turning on the power supply, the compressor is stopped immediately.
 - ii) If the outdoor unit inverter signals cannot be received for 1 minute and 50 seconds continuously, it tries to restart two time but stops the operation at third failure of restart.

(j) Rotor lock

If the motor for the compressor does not turn after it has been started, it is determined that a compressor lock has occurred and the compressor is stopped.

(k) Outdoor fan motor protection

If the outdoor fan motor has operated at 75rpm or under for more than 30 seconds, the compressor and fan motor are stopped.

8. MAINTENANCE DATA

(1) Cautions

- (a) If you are disassembling and checking an air conditioner, be sure to turn off the power before beginning. When working on indoor units, let the unit sit for about 1 minute after turning off the power before you begin work. When working on an outdoor unit, there may be an electrical charge applied to the main circuit (electrolytic condenser), so begin work only after discharging this electrical charge (to DC 10 V or lower).
- (b) When taking out printed circuit boards, be sure to do so without exerting force on the circuit boards or package components.
- (c) When disconnecting and connecting connectors, take hold of the connector housing and do not pull on the lead wires.

(2) Items to check before troubleshooting

- (a) Have you thoroughly investigated the details of the trouble which the customer is complaining about?
- (b) Is the air conditioner running? Is it displaying any self-diagnosis information?
- (c) Is a power supply with the correct voltage connected?
- (d) Are the control lines connecting the indoor and outdoor units wired correctly and connected securely?
- (e) Is the outdoor unit's service valve open?

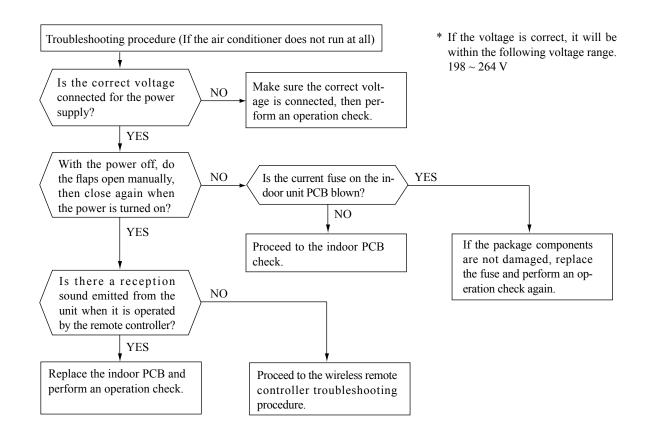
(3) Troubleshooting procedure (If the air conditioner does not run at all)

If the air conditioner does not run at all, diagnose the trouble using the following troubleshooting procedure. If the air conditioner is running but breaks down, proceed to troubleshooting step (4).

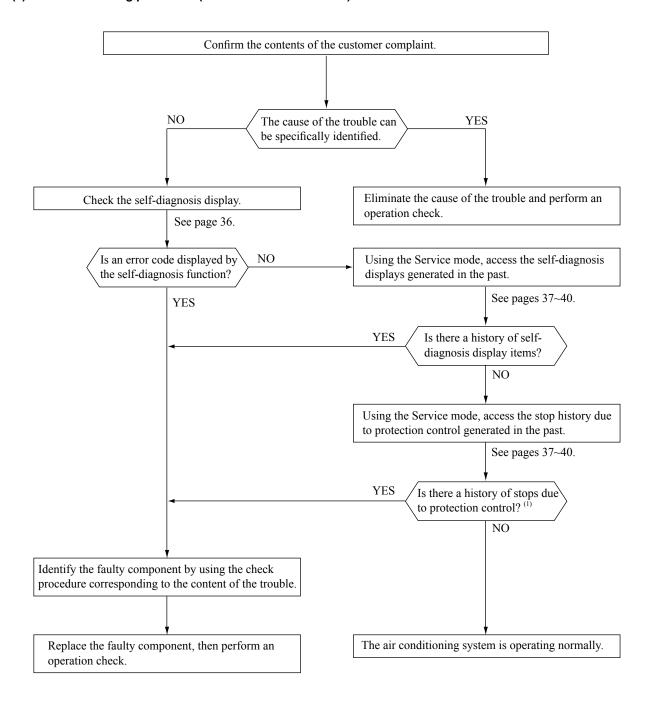
Important

When all the following conditions are met, we say that the air conditioner will not run at all.

- (a) The RUN light does not light up.
- (b) The flaps do not open.
- (c) The indoor unit fan motors do not run.
- (d) The self-diagnosis display does not function.



(4) Troubleshooting procedure (If the air conditioner runs)



Note (1) Even in cases where only intermittent stop data are generated, the air conditioning system is normal. However, if the same protective operation recurs repeatedly (3 or more times), it will lead to customer complaints. Judge the conditions in comparison with the contents of the complaints.

(5) Self-diagnosis table

When this air conditioner performs an emergency stop, the reason why the emergency stop occurred is displayed by the flashing of display lights. If the air conditioner is operated using the remote controller 3 minutes or more after the emergency stop, the trouble display stops and the air conditioner resumes operation. (1)

Indoor unit display panel		Description	00000	Display (flashing) condition
RUN light	TIMER light	of trouble	Cause	Display (flashing) condition
1 time flash	ON	Heat exchanger sensor error	Broken heat exchanger sensor wire, poor connector connection Indoor PCB is faulty	When a heat exchanger sensor wire disconnection is detected while operation is stopped. (If a temperature of -20°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)
2 time flash	ON	Room temperature sensor error	Broken room temperature sensor wire, poor connector connection Indoor PCB is faulty	When a room temperature sensor wire disconnection is detected while operation is stopped. (If a temperature of -20°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)
6 time flash	ON	Indoor fan motor error	Defective fan motor, poor connector connection	When conditions for turning the indoor unit's fan motor on exist during air conditioner operation, an indoor unit fan motor speed of 300 rpm or lower is measured for 30 seconds or longer. (The air conditioner stops.)
Keeps flashing	1 time flash	Outdoor air temperature sensor error	Broken outdoor air temp. sensor wire, poor connector connection Outdoor PCB is faulty	When an outdoor temperature sensor wire disconnection is detected while operation is stopped. (If a temperature of –40°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (The compressor is stopped.)
Keeps flashing	2 time flash	Outdoor heat exchanger sensor error	Broken heat exchanger sensor wire, poor connector connection Outdoor PCB is faulty	When a sensor wire disconnection is detected while operation is stopped. (If a temperature of –50°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (The compressor is stopped.)
Keeps flashing	4 time flash	Discharge pipe sensor error	Broken discharge pipe sensor wire, poor connector connection Outdoor PCB is faulty	When a compressor discharge pipe sensor wire disconnection is detected for 15 seconds or longer (less than 7° C) after the compressor command speed has continued at 0 rps or higher for 9 minutes. (The compressor is stopped.)
ON	1 time flash	Current Cut	Compressor locking, open phase on compressor output, shortcircuit on power transistor, closed service valve	The inverter output current (compressor motor current) exceeds the set value during compressor start. (The air conditioner stops.)
ON	2 time flash	Trouble of outdoor unit	Broken compressor wire Compressor blockage	When there is an emergency stop caused by trouble in the outdoor unit, or the input current value is found to be lower than the set value. (The air conditioner stops.)
ON	3 time flash	Current safe stop	Overload operation Overcharge Compressor locking	When the compressor command speed is lower than the set value and the current safe has operated. (The compressor is stopped.)
ON	4 time flash	Power transistor error	Broken power transistor	When there is an emergency stop caused by trouble in the outdoor unit, or the input current value is found to be lower than the set value continuously for 3 minutes or longer. (The compressor is stopped.)
ON	5 time flash	Over heat of compressor	Gas shortage, defective discharge pipe sensor, closed service valve	When the value of the discharge pipe sensor exceeds the set value. (The air conditioner stops.)
ON	6 time flash	Error of signal transmission	Defective power supply, Broken signal wire, defective indoor/outdoor PCB	When there is no signal between the indoor PCB and outdoor PCB for 10 seconds or longer (when the power is turned on), or when there is no signal for 1 minute 55 seconds or longer (during operation)(the compressor is stopped).
ON	7 time flash	Outdoor fan motor error	Defective fan motor, poor connector connection	When the outdoor unit's fan motor sped continues for 30 seconds or longer at 75 rpm or lower. (3 times) (The air conditioner stops.)
2 time flash	2 time flash			If the compressor motor's magnetic pole positions cannot be correctly detected when the compressor starts. (The air conditioner stops.)
5 time flash	ON	Active filter voltage error	Defective active filter	When the wrong voltage connected for the power supply. When the outdoor PCB is faulty.

 $Notes\ (1) The\ air\ conditioner\ cannot\ be\ restarted\ using\ the\ remote\ controller\ for\ 3\ minutes\ after\ operation\ stops.$

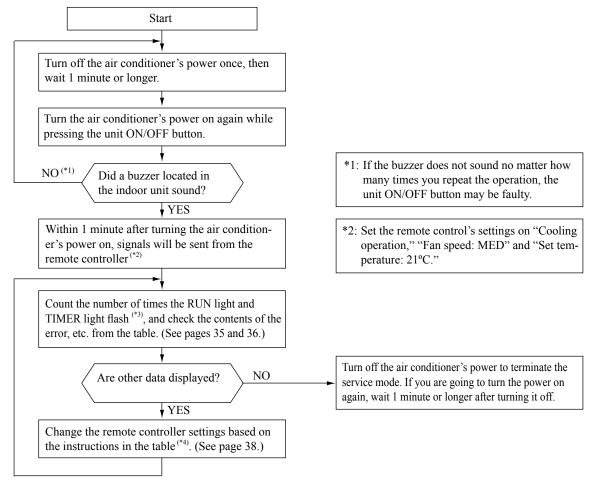
(6) Service mode (Trouble mode access function)

This air conditioner is capable of recording error displays and protective stops (service data) which have occurred in the past. If self-diagnosis displays cannot be confirmed, it is possible to get a grasp of the conditions at the time trouble occurred by checking these service data.

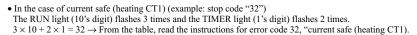
(a) Explanation of terms

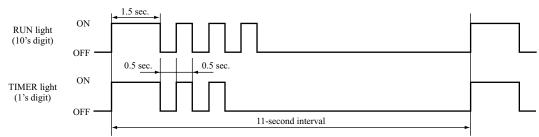
Term	Explanation
Service mode	The service mode is the mode where service data are displayed by flashing of the display lights when the operations in item (b) below are performed with the indoor controller.
Service data	These are the contents of error displays and protective stops which occurred in the past in the air conditioner system. Error display contents and protective stop data from past anomalous operations of the air conditioner system are saved in the indoor unit controller's non-volatile memory (memory which is not erased when the power goes off). There are two types of data, self-diagnosis data and stop data, described below.
Self-diagnosis data	These are the data which display the reason why a stop occurred when an error display (self-diagnosis display) occurred in an indoor unit. Data are recorded for up to 5 previous occurrences. Data which are older than the 5th previous occurrence are erased. In addition, data on the temperature of each sensor (room temperature, indoor heat exchanger, outdoor heat exchanger, outdoor heat exchanger, outdoor air temperature, discharge pipe), remote controller information (operation switching, fan speed switching) are recorded when trouble occurs, so more detailed information can be checked.
Stop data	These are the data which display the reason by a stop occurred when the air conditioning system performed protective stops, etc. in the past. Even if stop data alone are generated, the system restarts automatically. (After executing the stop mode while the display is normal, the system restarts automatically.) Data for up to 10 previous occasions are stored. Data older than the 10th previous occasion are erased. (Important) In cases where transient stop data only are generated, the air conditioner system may still be normal. However, if the same protective stop occurs frequently (3 or more times), it could lead to customer complaints.

(b) Service mode display procedure



*3: To count the number of flashes in the service mode, count the number of flashes after the light lights up for 1.5 second initially (start signal). (The time that the light lights up for 1.5 second (start signal) is not counted in the number of flashes.)





*4: When in the service mode, when the remote controller settings (operation switching, fan speed switching, temperature setting) are set as shown in the following table and sent to the air conditioner unit, the unit switches to display of service data.

1 Self-diagnosis data

What are Self-...... These are control data (reasons for stops, temperature at each sensor, remote controller information) diagnosis Data? from the time when there were error displays (abnormal stops) in the indoor unit in the past.

Data from up to 5 previous occasions are stored in memory. Data older than the 5th previous occasion are erased. The temperature setting indicates how many occasions previous to the present setting the error display data are and the operation switching and fan speed switching data show the type of data.

Remote cont	roller setting	Contents of output data	
Operation switching	Fan speed switching	Contents of output data	
	MED	Displays the reason for stopping display in the past (error code).	
		Displays the room temperature sensor temperature at the time the error code was displayed in the past.	
		Displays the indoor heat exchanger sensor temperature at the time the error code was displayed in the past.	
MED Displays the outdoor air temperature sensor temperature at the ti		Displays the remote controller information at the time the error code was displayed in the past.	
		Displays the outdoor air temperature sensor temperature at the time the error code was displayed in the past.	
Fan	HI	Displays the outdoor heat exchanger sensor temperature at the time the error code was displayed in the past.	
	AUTO	Displays the discharge pipe sensor temperature at the time the error code was displayed in the past.	

Remote controller setting	Indicates the number of occasions previous to the present the error display data are from.	
Temperature setting		
21°C	1 time previous (previous time)	
22°C	2 times previous	
23°C	3 times previous	
24°C	4 times previous	
25°C	5 times previous	

(Example)

Remot	e controller s	etting		
Operation switching			Displayed data	
	MED	21°C	Displays the reason for the stop (error code) the previous time an error was displayed.	
		22°C	Displays the reason for the stop (error code) 2 times previous when an error was displayed.	
Cooling		23°C	Displays the reason for the stop (error code) 3 times previous when an error was displayed.	
		24°C	Displays the reason for the stop (error code) 4 times previous when an error was displayed.	
		25°C	Displays the reason for the stop (error code) 5 times previous when an error was displayed.	

② Stop data

Remote controller setting				
Operation switching	Fan speed switching	Temperature setting	Displayed data	
		21°C	Displays the reason for the stop (stop code) the previous time when the air conditioner was stopped by protective stop control.	
		22°C	Displays the reason for the stop (stop code) 2 times previous when the air conditioner was stopped by protective stop control.	
	LO	ng LO	23°C	Displays the reason for the stop (stop code) 3 times previous when the air conditioner was stopped by protective stop control.
			24°C	Displays the reason for the stop (stop code) 4 times previous when the air conditioner was stopped by protective stop control.
Cooling			25°C	Displays the reason for the stop (stop code) 5 times previous when the air conditioner was stopped by protective stop control.
Coomig			26°C	Displays the reason for the stop (stop code) 6 times previous when the air conditioner was stopped by protective stop control.
			27°C	Displays the reason for the stop (stop code) 7 times previous when the air conditioner was stopped by protective stop control.
		28°C	Displays the reason for the stop (stop code) 8 times previous when the air conditioner was stopped by protective stop control.	
		29°C	Displays the reason for the stop (stop code) 9 times previous when the air conditioner was stopped by protective stop control.	
		30°C	Displays the reason for the stop (stop code) 10 times previous when the air conditioner was stopped by protective stop control.	

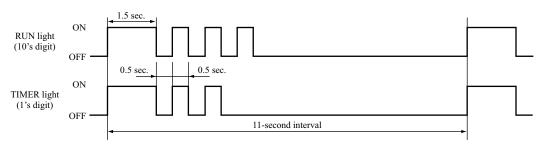
(c) Error code, stop code table (Assignment of error codes and stop codes is done in common for all models.)

	of flashes rvice mode	Stop code		Error content			Error	Auto
RUN light	TIMER light	or Error code			Cause	Occurrence conditions	display	
(10's digit)	(1's digit)		Major category	Minor category				
OFF	OFF	0	Normal	_	_	_		_
	1 time flash	11		Compressor software start	Compressor lock Compressor wiring short circuit Compressor output is open phase Outdoor PCB is faulty	Compressor start fails 42 times in succession and the reason for the final failure is current cut.	(2 times)	0
	2 time flash	12		Lower than 20 rps	Service valve closed Compressor output is open phase. Electronic expansion valve is faulty.	After the compressor starts, it stops due to current cut at less than 20 rps.	_	0
1 time flash	3 time flash	13	Current Cut	20 rps or higher	Service valve is closed. Compressor output is open phase. Compressor is faulty. Electronic expansion valve is faulty.	When operation is stopped by current cut at 20 rps or higher.	_	0
iiasii	4 time flash	14	Cui	Excessive voltage	Outdoor PCB is defective. Power supply is abnormal.	When the DC voltage exceeds 390V.	_	0
	5 time flash	15		Short circuit in the power transistor (high side)	Outdoor PCB is faulty. Power transistor is damaged.	When it is judged that the power transistor was damaged at the time the compressor started.	0	_
	6 time flash	16		Current cut circuit breakdown	Outdoor PCB is faulty. Power transistor is damaged.	When it is judged that the power transistor was damaged at the time the compressor started.	0	_
	7 time flash	17		Software current cut	Service valve is closed. Compressor output is open phase. Compressor is faulty. Electronic expansion valve is faulty.	When the compressor has stopped with the current cut after starting it	0	0
	2 time flash	22		Compressor wiring is unconnection voltage drop	Compressor wiring is disconnected. Outdoor PCB is faulty.	When the curent is 1A or less the time the compressor started.	0	_
	3 time flash	23	Outdoor unit error	Abnormal stop 3 times in 20 minutes.	Service valve is closed. Compressor output is open phase. Electronic expansion valve is faulty. Refrigerant is insufficient.	When an abnormal stop occurs 3 times with automatic recovery within 20 minutes after the outdoor unit's power supply was turned on.	0	_
2 time flash	7 time flash	27	Outdoor	Outdoor unit's fan motor is abnormal	Outdoor fan motor is faulty. Connector connections are poor. Outdoor PCB is faulty.	When a fan speed of 75 rpm or lower continues for 30 seconds or longer.	(3 times)	0
	8 time flash	28	fan motor error	Input of abnormal voltage	Power supply construction is faulty.	When an error voltage of 150 V or less is input	0	0
	9 time flash	29		Voltage drop	Power supply construction is defective. Outdoor PCB is faulty.	When the power supply voltage drops during operation.	-	0
	1 time flash	31		Cooling current safe I	Overcharge Compressor lock	When there is a current safe stop in current safe I mode during cooling operation.	_	0
	2 time flash	32		Heating current safe I	Overcharge Compressor lock	When there is a current safe stop in current safe I mode during heating operation.	_	0
	3 time flash	33		Cooling current safe II	Overcharge Compressor lock	When there is a current safe stop in current safe II mode during cooling operation.		0
3 time flash	4 time flash	34	Current safe	Heating current safe II	Overcharge Compressor lock	When there is a current safe stop in current safe II mode during heating operation.		0
	5 time flash	35		Cooling current safe III	Overcharge Compressor lock	When there is a current safe stop in current safe III mode during cooling operation.		0
	6 time flash	36		Heating current safe III	Overcharge Compressor lock	When there is a current safe stop in current safe III mode during heating operation.	_	0
	7 time flash	37		Heating current safe III + 3A	Overcharge Compressor lock	When there is a current safe stop in current safe III + 3A mode during heating operation.	L-	0

Number of flashes when in service mode RUN light (10's digit) RUN light (1's digit)		Stop code		Error content			Error	Auto
		or Error code	de		Cause	Occurrence conditions		recovery
(10's aigit)	1 time flash	41	Major category	Minor category Cooling overload 1 (outdoor temperature: 36~40°C)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 1 mode during cooling operation.	_	0
	2 time flash	42		Heating overload 1 (outdoor temperature: 5~12°C)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 1 mode during heating operation.	_	0
4 time	3 time flash	43	Current	Cooling overload 2 (outdoor temperature: 40~45°C)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 2 mode during cooling operation.	_	0
flash	4 time flash	44	safe	Heating overload 2 (outdoor temperature: 12~17°C)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 2 mode during heating operation.	_	0
	5 time flash	45		Cooling overload 3 (outdoor temperature: 45°C~)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 3 mode during cooling operation.	_	0
	6 time flash	46		Heating overload 3 (outdoor temperature: 17°C~)	Overcharge Compressor lock Overload operation	When there is a current safe stop in overload 3 mode during heating operation.	_	0
5 time flash	OFF	50	Compressor overheat	110°C	Refrigerant is insufficient. Discharge pipe sensor is faulty. Service valve is closed.	When the discharge pipe sensor's value exceeds the set value.	(2 times)	0
C diman	OFF	60	Serial signal	Can't receive signals for 1 minute 55 seconds (if communications have recovered)	Power supply is faulty. Power supply cables and signal lines are improperly wired. Indoor or outdoor PCB is faulty.	When 1 minute 55 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.	_	0
6 time flash	1 time flash	61	transmission error	Connection lines between the indoor and outdoor units are faulty.	Connection lines between the indoor and outdoor units are faulty. Indoor or outdoor PCB are faulty.	When 10 seconds passes after the power is turned on without communications signals from the indoor or outdoor unit being detected correctly.	0	_
	2 time flash	62		Serial transmission error.	Indoor or outdoor PCB are faulty. Noise is causing faulty operation.	When 1 minute 55 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.	(3 times)	0
7 time	OFF	70	Rotor lock	Rotor lock	Compressor is faulty. Compressor output is open phase. Electronic ex[ansion valve is faulty. Overload operation. Outdoor PCB is faulty	After the compressor starts, when the compressor stops due to rotor lock.	(2 times)	0
nasn	6 time flash	76		Compressor software start (within 4 seconds after phase switching)	Compressor is faulty Compressor wiring is disconnected. Compressor wiring is short circuited. Outdoor PCB is faulty.	When compressor start fails 42 times in succession and the reason for the final failure is rotor lock.	(2 times)	0
	OFF	80		Indoor unit fan motor is abnormal.	Fan motor is faulty. Connector connections are poor. Indoor PCB is faulty.	When the indoor unit's fan motor is detected to be running at 300 rpm or lower speed with the fan motor in the ON condition while the air conditioner is running.	0	_
	1 time flash	81		Discharge pipe sensor is abnormal (anomalous stop).	Discharge pipe sensor wire is disconnected. Connector connections are poor.	When a disconnection signal is sent for 15 seconds or longer as the discharge pipe sensor data after the outdoor unit's speed is 0 rps or higher continuously for 9 minutes.	(4 times)	0
	2 time flash	82		Indoor heat exchanger sensor is abnormal (anomalous stop).	Indoor heat exchanger sensor wire is disconnected. Connector connections are poor.	When a temperature of -20°C or lower is sensed continuously for 40 minutes during heating operation (the compressor stops).	0	_
	3 time flash	83		Outdoor heat exchanger sensor is abnormal (anomalous stop).	Outdoor heat exchanger sensor wire is disconnected. Connector connections are poor.	When a temperature of -55°C or lower is sensed continuously for 40 minutes during heating operation (the compressor stops).	0	
8 time flash	4 time flash	84	Control	Anti-condensation control	High humidity condition. Humidity sensor is faulty.	Anti-condensation prevention control is operating.		0
	5 time flash	operation 85	Anti-frost control	Indoor unit fan speed drops. Indoor heat exchanger sensor short circuit	When the anti-frost control operates and the compressor stops during cooling operation.	_	0	
	6 time flash	86		High pressure control	Heating overload Indoor unit fan speed drops Indoor heat exchanger sensor short circuit	When high pressure control operates during heating operation and the compressor stops.		0
	7 time flash	87		Compressor overheating protection control	Refrigerant is insufficient. Discharge pipe sensor is faulty. Service valve is closed.	When compressor overheating protective control operates and the compressor stops.	_	0
	8 time flash	88		Refrigeration cycle system protective control	Service valve is closed. Refrigerant is insufficient.	When refrigeration cycle system protective control operates.	_	0

Note (1) The number of flashes when in the Service Mode do not include the 1.5 second period when the lights light up at first (starting signal). (See the example shown below.)

In the case of current safe (heating CT1) (example: stop code "32")
 The RUN light (10's digit) flashes 3 times and the TIMER light (1's digit) flashes 2 times.
 3 × 10 + 2 × 1 = 32 → From the table, read the instructions for error code 32, "Current safe (heating CT1).



(2) Abnormal Stop:
— Is not displayed. (automatic recovery only)

 \bigcirc Displayed.

If there is a (___) displayed, the error display shows the number of times that an automatic recovery occurred for the same reason has reached the number of times in (___).

If no () is displayed, the error display shows that the trouble has occurred once

(3) Automatic Recovery: — Does not occur

OAutomatic recovery occurs.

(d) Remote controller information tables

1) Operation switching

Display pattern when in service mode	Operation switching when there is an abnormal stop	
RUN light (Operation switching)		
0	AUTO	
1	DRY	
2	COOL	
3	FAN	
4	HEAT	

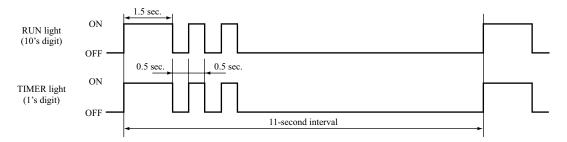
2) Fan speed switching

Display pattern when in service mode	Fan speed switching when	
TIMER light (Fan speed switching)	there is an abnormal stop	
0	AUTO	
2	HI	
3	MED	
4	LO	
6	HI POWER	
7	ECONO	

* If no data are recorded (error code is normal), the information display in the remote controller becomes as follows.

Remote controller setting	Display when error code is normal.
Operation switching	AUTO
Fan speed switching	AUTO

(Example): Operation switching, fan speed switching, cooling HI



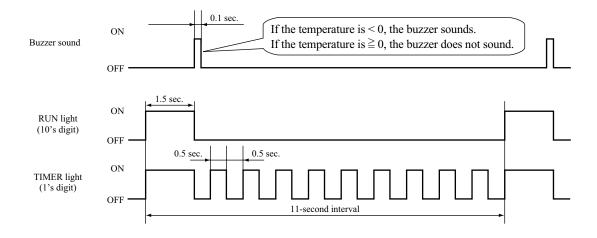
(e) Room temperature sensor temperature, indoor heat exchanger sensor temperature, outdoor air temperature sensor temperature, outdoor heat exchanger sensor temperature table

Units: °C **TIMER light** (1's digit) **RUN light** (10's digit) **Buzzer sound** -60 -63 -61 -62 -64 -50 -51 -52 -53 -54 -55 -56 -57 -58 -59 -47 -40 -41 -42 -43 -44 -45 -46 -48 -49 Yes -31 -35 -36 -30 -32 -33 -34 -37 -38 -39 (sounds for 0.1 second) -20 -21 -22 -23 -24 -25 -26 -27 -28 -29 -11 -14 -19 -10 -12 -13 -15 -16 -17 -18 -1 -2 -3 -4 -5 -6 -7 -9 No (does not sound)

^{*} If no data are recorded (error code is normal), the display for each sensor becomes as shown below.

Sensor name	Sensor value displayed when the error code is normal
Room temperature sensor temperature	-19°C
Indoor heat exchanger sensor temperature	-64°C
Outdoor air temperature sensor temperature	-64°C
Outdoor heat exchanger sensor temperature	-64°C

(Example) Room temperature, indoor heat exchanger, outdoor air temperature, outdoor heat exchanger: "-9°C"



(f) Discharge pipe temperature table

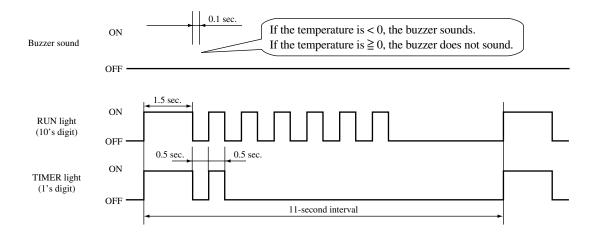
										Ur	nits: °C
RUN lig (10's di	TIMER light (1's digit) ght git)	0	1	2	3	4	5	6	7	8	9
	3	-60	-62	-64							
Yes	2	-40	-42	-44	-46	-48	-50	-52	-54	-56	-58
(sounds for 0.1 second)	1	-20	-22	-24	-26	-28	-30	-32	-34	-36	-38
	0		-2	-4	-6	-8	-10	-12	-14	-16	-18
	0	0	2	4	6	8	10	12	14	16	18
	1	20	22	24	26	28	30	32	34	36	38
	2	40	42	44	46	48	50	52	54	56	58
No	3	60	62	64	66	68	70	72	74	76	78
(does not sound)	4	80	82	84	86	88	90	92	94	96	98
	5	100	102	104	106	108	110	112	114	116	118
	6	120	122	124	126	128	130	132	134	136	138
	7	140	142	144	146	148	150				

* If no data is recorded (error code is normal), the display for sensor becomes as shown below.

Sensor name	Sensor value displayed when the error code is normal
Discharge pipe sensor temperature	-64°C

(Example) Discharge pipe temperature: "122°C"

* In the case of discharge pipe data, multiply the reading value by 2. (Below, $61 \times 2 = \text{``}122^{\circ}\text{C''}$)



Service data record form

Customer				Model				
Date of inve	estigation							
Machine na								
a								
Content of o	complaint							
Remo	te controller	settings		1	Display resu	lts		Display content
Temperature setting	Operation switching	Fan speed switching	Content of displayed data	Buzzer (Yes/No.)	RUN light (Times) TIMER light (Times)		Display content
		MED	Error code on previous occasion.					
	Cooling	HI	Room temperature sensor temperature on previous occasion.					
		AUTO	Indoor heat exchanger sensor temperature on previous occasion.					
21		LO	Remote control information on previous occasion.					
	Fan	MED	Outdoor air temperature sensor temperature on previous occasion.					
		HI	Outdoor heat exchanger sensor temperature on previous occasion.					
		AUTO	Discharge pipe sensor temperature on previous occasion.					
	Caalina	MED	Error code on second previous occasion.					
	Cooling	HI	Room temperature sensor temperature on second previous occasion.					
22		AUTO	Indoor heat exchanger sensor temperature on second previous occasion.					
22		LO	Remote control information on second previous occasion.					
	Fan	MED	Outdoor air temperature sensor temperature on second previous occasion.					
		HI	Outdoor heat exchanger sensor temperature on second previous occasion.					
		AUTO	Discharge pipe sensor temperature on second previous occasion.					
	Cooling	MED	Error code on third previous occasion.					
	Cooling	HI	Room temperature sensor temperature on third previous occasion.					
23		AUTO LO	Indoor heat exchanger sensor temperature on third previous occasion. Remote control information on third previous occasion.					
23		MED	•					
	Fan	HI	Outdoor air temperature sensor temperature on third previous occasion. Outdoor heat exchanger sensor temperature on third previous occasion.					-
		AUTO	Discharge pipe sensor temperature on third previous occasion.					
		MED	Error code on fourth previous occasion.					
	Cooling	HI	Room temperature sensor temperature on fourth previous occasion.					
		AUTO	Indoor heat exchanger sensor temperature on fourth previous occasion.					
24		LO	Remote control information on fourth previous occasion.					
24		MED	Outdoor air temperature sensor temperature on fourth previous occasion.					
	Fan	HI	Outdoor heat exchanger sensor temperature on fourth previous occasion.					
		AUTO	Discharge pipe sensor temperature on fourth previous occasion.					
		MED	Error code on fifth previous occasion.					
	Cooling	HI	Room temperature sensor temperature on fifth previous occasion.					
		AUTO	Indoor heat exchanger sensor temperature on fifth previous occasion.					
25		LO	Remote control information on fifth previous occasion.					
		MED	Outdoor air temperature sensor temperature on fifth previous occasion.					
	Fan	HI	Outdoor heat exchanger sensor temperature on fifth previous occasion.					
		AUTO	Discharge pipe sensor temperature on fifth previous occasion.					
21			Stop code on previous occasion.					
22			Stop code on second previous occasion.					
23			Stop code on third previous occasion.					
24			Stop code on fourth previous occasion.					
25	a 1:		Stop code on fifth previous occasion.					
26	Cooling	Lo	Stop code on sixth previous occasion.					
27			Stop code on seventh previous occasion.					
28			Stop code on eighth previous occasion.					
29			Stop code on ninth previous occasion.					
30			Stop code on tenth previous occasion.					
							er	
Judgment							Examiner	
-							Exa	
Dage - 1								
Remarks								

(7) Inspection procedures corresponding to detail of trouble

Is connector connection good? NO Correct connection. YES Is sensor resistance value good? NO Replace sensor.

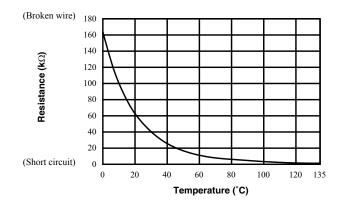
♦ Discharge pipe sensor temperature characteristics

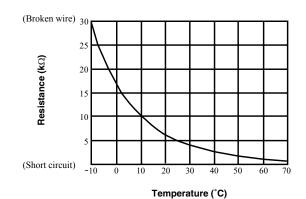
Replace PCB.

 Sensor temperature characteristics (Room temp., indoor heat exchanger temp., outdoor heat exchanger temp., outdoor air temp.)

[Broken sensor wire.

connector poor connection]





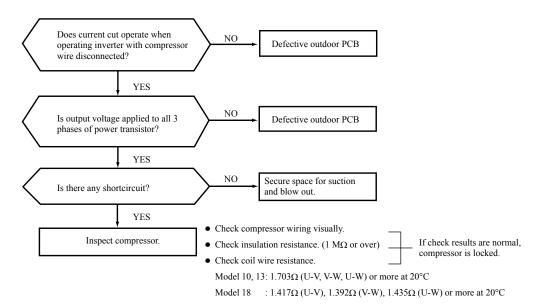
[Defective fan motor, connector poor Indoor fan motor error connection, defective indoor PCB] Is connector connection good? Correct connector connection YES NO Is DC fan motor resistance value good? * Disconnect the fan motor connector, then investigate YES the DC fan motor and indoor PCB separately. Replace indoor fan motor NO Is the output of the indoor unit PCB normal? Notes (1) See pages 50 for the DC fan motor and indoor PCB check (2) After making sure the DC fan motor and indoor PCB are Replace indoor PCB normal, connect the connectors and confirm that the fan motor is turning. (If power is turned on while one or the other is broken down, it could cause the other to break down also.) Power supply neset Replace fan motor (If anomaly Is normal state restored? persiste after replacing fan motor, replace indoor PCB) Malfunction by temporary

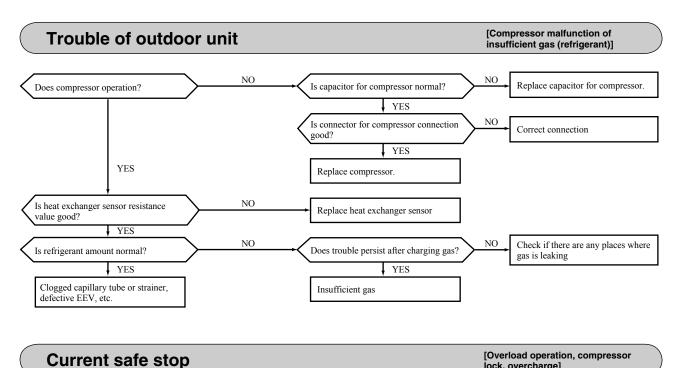
Current cut

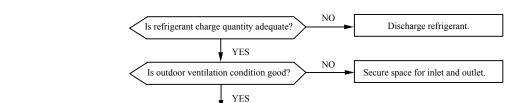
[Open phase on compressor output terminal, compressor lock]

lock, overcharge]

Replace compressor.







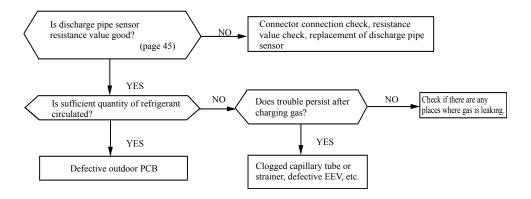
Inspect compressor.

YES Defective outdoor PCB

NO

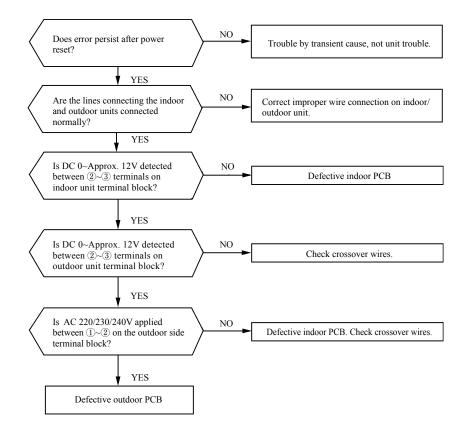
Over heat of compressor

[Gas shortage, defective discharge pipe sensor]



Error of signal transmission

[Wiring error including power cable, defective indoor/ outdoor PCB]

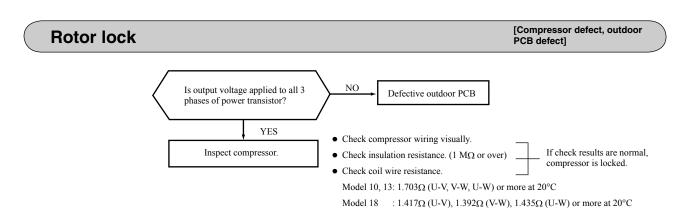


[Defective fan motor, connector poor connection, defective PCB] **Outdoor fan motor error** Is connector connection good? Correct connector connection YES NO Is DC fan motor resistance value good? * Disconnect the fan motor connector, then investigate YES the DC fan motor and outdoor PCB separately. Replace outdoor fan motor NO Is the output of the outdoor PCB normal? Notes (1) See pages 52 for the DC fan motor and outdoor PCB check YES procedure. (2) After making sure the DC fan motor and outdoor PCB are Replace outdoor PCB normal, connect the connectors and confirm that the fan motor is turning. (If power is turned on while one or the other is broken down, it could cause the other to break down also.) Power supply reset Replace fan motor (If anomaly NO persiste after replacing fan motor, replace outdoor PCB) Is normal state restored?

YES

Malfunction by temporary

noise



(8) Phenomenon observed after shortcircuit, wire breakage on sensor

(a) Indoor unit

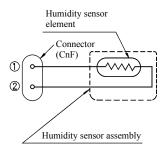
Compan	Operation	Pheno	menon
Sensor	mode	Shortcircuit	Broken wire
Room temperature sensor	Cooling	Release of continuous compressor operation command	Continuous compressor operation command is not released.
Heat exchanger sensor	Cooling	System can be operated normally.	Continuous compressor operation command is not released. (Anti-frosting)
Humidity Sensor	Cooling	① in the table below.	① in the table below.

Note (1) The humidity sensor is included in the model 13 and 18 only.

① Humidity sensor operation

Failure mode		Control input circuit reading	Air conditioning system operation			
ted	① Disconnected wire	Humidity reading is 0%	Operates in the Dry region			
Disconnected wire	② Disconnected wire	Humidity reading is 0%	Operates in the Dry region			
Disc	12 Disconnected wire	Humidity reading is 0%	Operates in the Dry region			
Short Circuit	① and ② are short circuited	Humidity reading is 100%	Operates in the Cooling region.			

Remark: Do not perform a continuity check of the humidity sensor with a tester. If DC current is applied, it could damage the sensor.

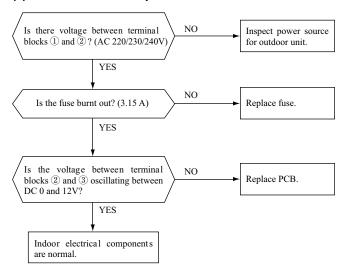


(b) Outdoor unit

Camaan	Operation	Pheno	menon				
Sensor	mode	Shortcircuit	Broken wire				
Heat exchanger sensor Cooling		System can be operated normally.	System can be operated normally.				
Outdoor air temperature sensor	Cooling	System can be operated normally.	System can be operated normally.				
Discharge pipe sensor	All modes	Compressor overload protection is disabled. (Can be operated.)	Compressor stop				

(9) Checking the indoor electrical equipment

(a) Indoor PCB check procedure



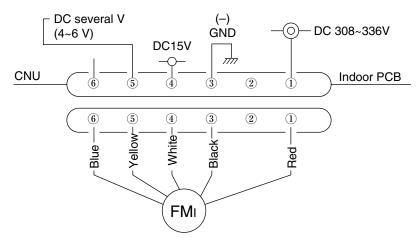
(b) Indoor unit fan motor check procedure

This is a diagnostic procedure for determining if the indoor unit fan motor or the indoor PCB is broken down.

1) Indoor PCB output check

- a) Turn off the power.
- b) Remove the front panel, then disconnect the fan motor lead wire connector.
- c) Turn on the power. If the unit operates when the ON/OFF button is pressed, if trouble is detected after the voltages in the following figure are output for approximately 30 seconds, it means that the indoor PCB is normal and the fan motor is broken down.

If the voltages in the following figure are not output at connector pins No. ①, ④ and ⑤, the indoor indoor PCB has failed and the fan motor is normal.



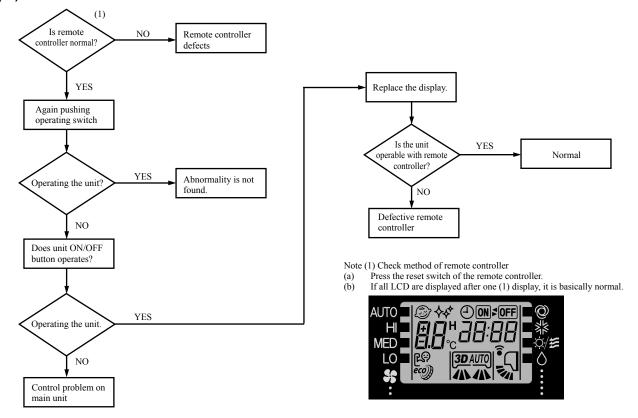
2) DC Fan motor resistance check

Measuring Point	Resistance when Normal
① – ③ (Red – Black)	25 M Ω or higher
4 – 3 (White – Black)	30 kΩ or higher

Notes (1) Remove the fan motor and measure it without power connected to it.

(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

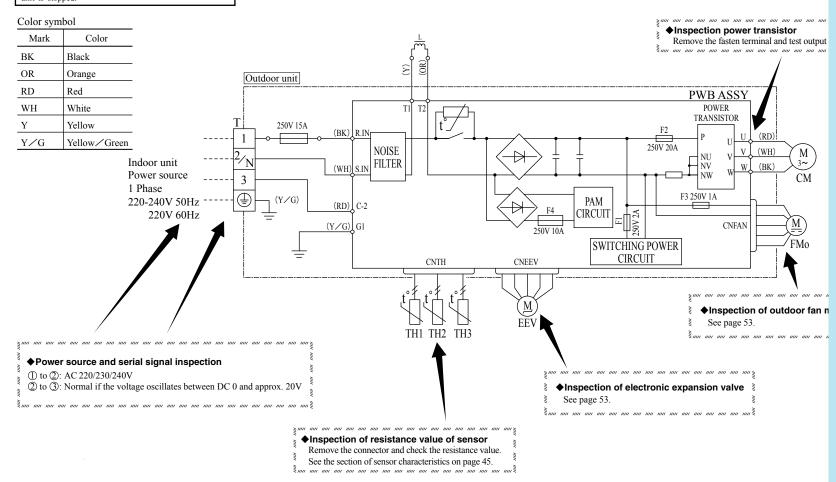
(10) How to make sure of wireless remote controller



♦ Check point of outdoor unit

↑ CAUTION- HIGH VOLTAGE

High voltage is produced in the control box. Don't touch electrical parts in the control box for 5 minutes after the unit is stopped.

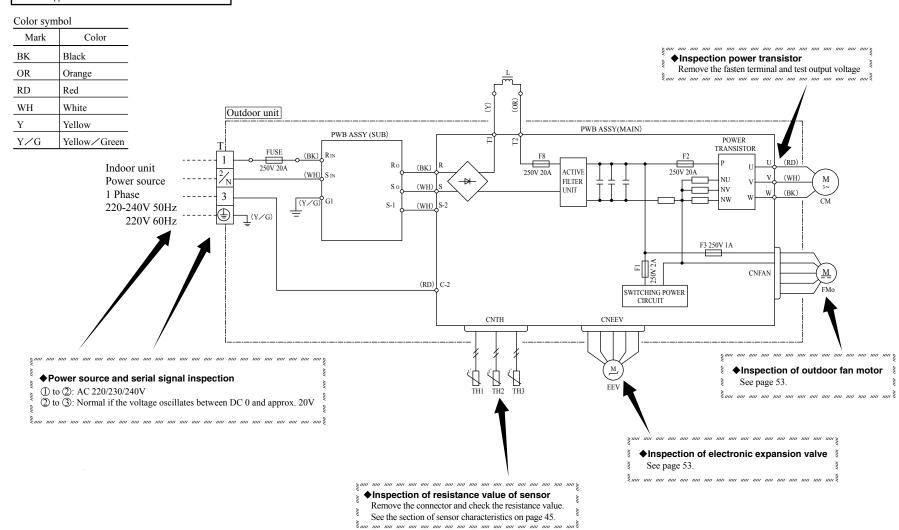


Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

♦ Check point of outdoor unit

^CAUTION− HIGH VOLTAGE

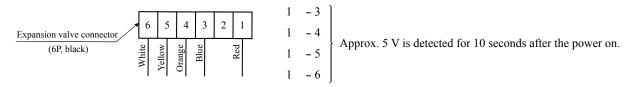
High voltage is produced in the control box. Don't touch electrical parts in the control box for 5 minutes after the unit is stopped.



(a) Inspection of electronic expansion valve

Electronic expansion valve operates for approx. 10 seconds after the power on, in order to determine its aperture. Check the operating sound and voltage during the period of time. (Voltage cannot be checked during operation in which only the aperture change occurs.)

- 1) If it is heard the sound of operating electronic expansion valve, it is almost normal.
- 2) If the operating sound is not heard, check the output voltage.



- 3) If voltage is detected, the outdoor PCB is normal.
- 4) If the expansion valve does not operate (no operating sound) while voltage is detected, the expansion valve is defective.

• Inspection of electronic expansion valve as a separate unit

Measure the resistance between terminals with an analog tester.

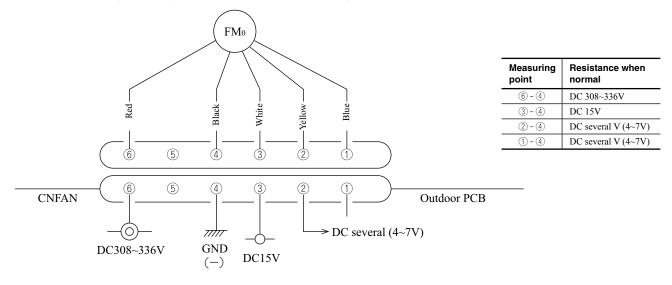
	Measuring point	Resistance when normal
	1-6	
	1-4	$46 \pm 4\Omega$
	1-3	(at 20°C)
•	1-5	

(b) Outdoor unit fan motor check procedure

- When the outdoor unit fan motor error is detected, diagnose which of the outdoor unit fan motor or outdoor PCB is defective.
- Diagnose this only after confirming that the indoor unit is normal.
- (1) Outdoor PCB output check
 - 1) Turn off the power.
 - 2) Disconnect the outdoor unit fan motor connector CNFAN.
 - 3) When the indoor unit is operated by inserting the power supply plug and pressing (ON) the backup switch for more than 5 seconds, if the voltage of pin No. ② in the following figure is output for 30 seconds at 20 seconds after turning "ON" the backup switch, the outdoor PCB is normal but the fan motor is defective.

If the voltage is not detected, the outdoor PCB is defective but the fan motor is normal.

Note (1) The voltage is output 3 times repeatedly. If it is not detected, the indoor unit displays the error message.



2) Fan motor resistance check

Measuring point	Resistance when normal
6 - 4 (Red - Black)	20 MΩ or higher
③ - ④ (White - Black)	30 KΩ or higher

Notes (1) Remove the fan motor and measure it without power connected to it.

(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

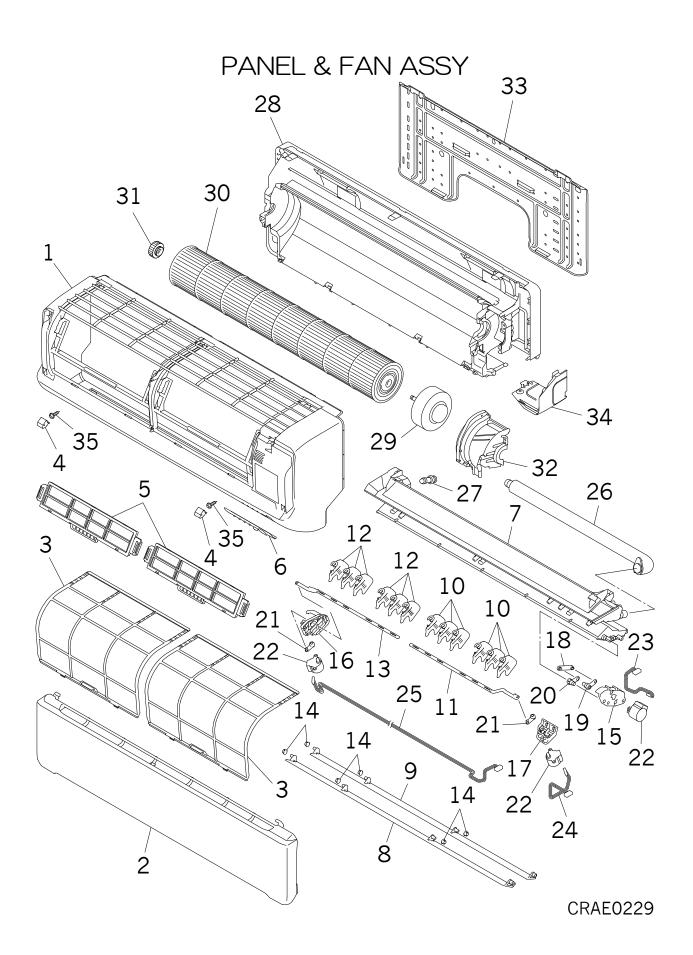
PARTS LIST

INDOOR UNIT

SRK10YJ-S, SRK13YJ-S, SRK18YJ-S

OUTDOOR UNIT

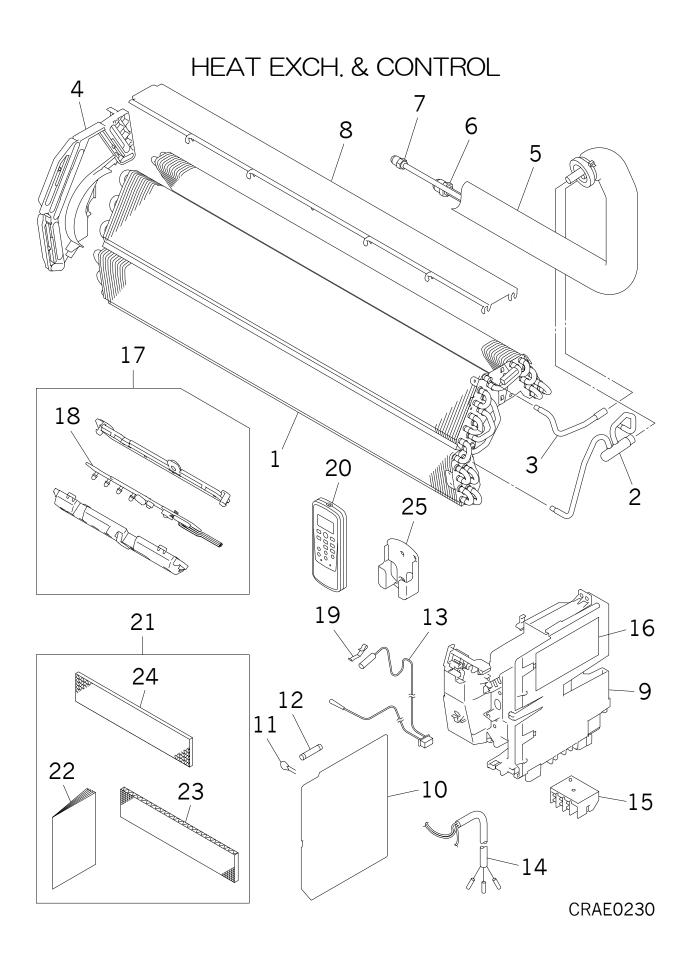
SRC10YJ-S, SRC13YJ-S, SRC18YJ-S



SRK10YJ-S

END ITEM NO.: RMA002F016

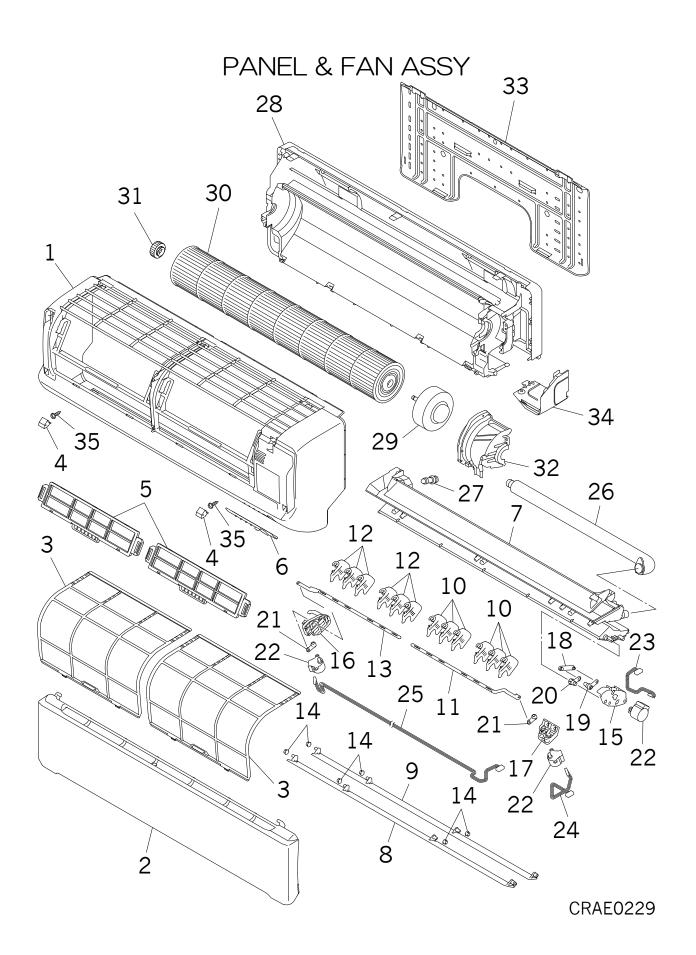
LINDI	TEWING	RIVIAUUZFU16	Recommendable Purchased Q't							
No.	Part No.	Part Name	RE.Q		_		_			- Note
				10	30	50	100	500	1000	
	RMA102A100C	PANEL ASSY,FRONT	_ 1			1	1	1	2	
	RKX122A300N	PANEL,FRONT	1							
2	RMA435A100B	PANEL,AIR INLET	1			1	1	2		
	RKX437A300	FILTER,AIR	2			1	1	1	2	W315.5×H299.7(t2)
4	RKX129A013	CAP	2							
5	RKX129A014	HOLDER,FILTER	2			1	1	1	2	
6	RKX133A300	PLATE,ORNAMENT	1			1	1	1	2	
7~27	RKX435A302C	GRILLE ASSY,AIR OUT	1			1	1	2	3	
7	RKX435A303	GRILLE,AIR OUTLET	1							
8	RKX436A001	FLAP(A)	1							UPPER
9	RKX436A002	FLAP(B)	1							LOWER
10 • 11	RKX436A003	LOUVER ASSY(R)	1			1	1	2	2	
10	RKX436A005	LOUVER	6							
11	RKX129A008	PLATE,CONNECTING(R)	1							
12 • 13	RKX436A004	LOUVER ASSY(L)	1			1	1	2	2	
12	RKX436A005	LOUVER	6							
13	RKX129A009	PLATE,CONNECTING(L)	1							
14	RKW935C200	COLLAR	6							
15	RKX129A010	BRACKET,MOTOR(A)	1			1	1	1	2	
16	RKX129A011	BRACKET,MOTOR(B)	1			1	1	1	2	
17	RKX129A012	BRACKET,MOTOR(C)	1			1	1	1	2	
18	RKX144A001	LINK	1			1	1	1	2	
19	RKX144A002	CRANK(A)	1			1	1	1	2	
20	RKX144A003	CRANK(B)	1			1	1	1	2	
21	RKW144A204	CRANK(C)	2			1	1	1	2	
22	SSA512T096	MOTOR,STEPPING	3			1	1	1	2	
23	RKS504A100G	HARNESS ASSY	1			1	1	1	2	FOR FLAP MOTOR
24	RKS504A100	HARNESS ASSY	1			1	1	1	2	FOR RIGHT LOUVER MOTOR
25	RKS504A100L	HARNESS ASSY	1			1	1	1	2	FOR LEFT LOUVER MOTOR
26	SSA423A102	HOSE,DRAIN	1							
27	SSA326A047	PLUG	1							
28	RKX111A001	BASE ASSY	1			1	1	1	2	
	SSA512T081	MOTOR,DC	1			1	1	1	2	FOR IMPELLER
	SSA431G046A	IMPELLER	1			1	1	2	4	
31	SSA923C114	BEARING,PLANE	1			1	1	1	2	
	RKX129A005	COVER(MOTOR)	1			1	1	1	2	
	RKX032A001	PLATE, INSTALLATION	1			1	1	1	2	
	RKX132A001A	LID	1			1	1	2		
	SSA913A007A	SCREW,TAP	2	-						4×14



SRK10YJ-S

END ITEM NO.: RMA002F016

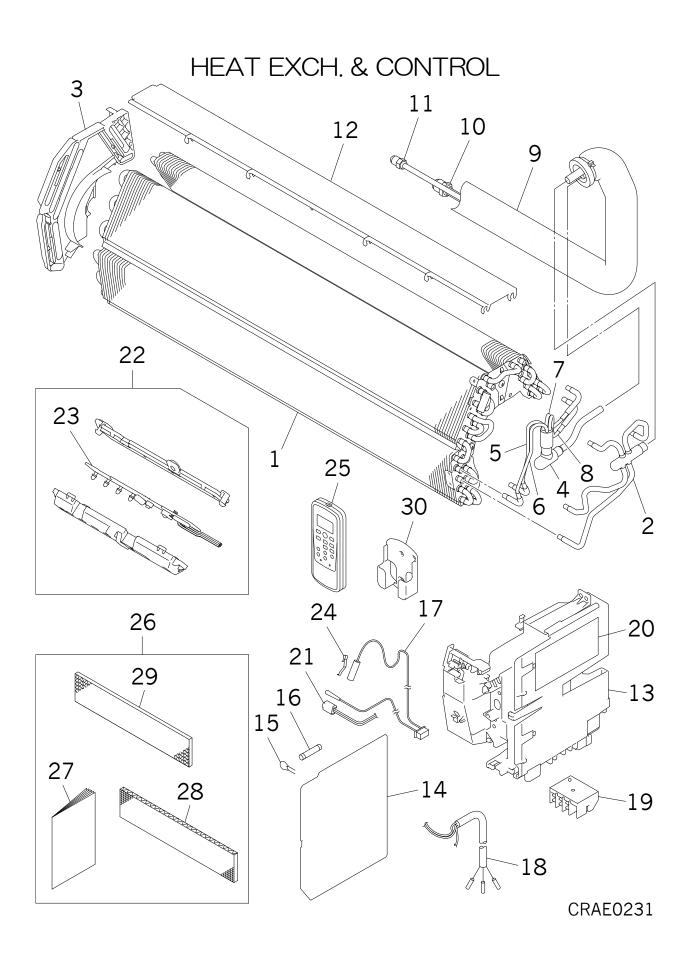
No.	Part No.	Part Name	RE.Q	Reco	mmei	ndable	Purc	hase	d Q'ty	Note
NO.	Part No.	Part Name	KE.Q	10	30	50	100	500	1000	Note
1~8	RKX301A302	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2	RKX315D006	HEADER ASSY	1							
3	RKX321A034	PIPE	1							
4	RKX129A016	BRACKET ASSY(L)	1							
5 ~ 7	RKX321A001	PIPE ASSY	1							
6	SSA323F088	UNION(SLD)	1							FOR GAS
7	SSA323F088A	UNION(SLD)	1							FOR LIQ.
8	RKX129A001B	PLATE ASSY,BAFFLE	1			1	1	1	2	
9	RKX142A001	BOX,CONTROL	1							
10~12	RKX505A500HD	PWB ASSY	1			2	2	4	8	
11	SSA555B058AD	VARISTOR	1			1	1	1	2	Z
12	SSA564A132	FUSE(CURRENT)	1			1	1	2	4	F 3A
13	SSA551A163L	SENSOR ASSY	1			1	1	2	4	INCL.SENSOR(ROOM TEMP.& HEAT EXCH.)
14	RKV504A500	HARNESS ASSY(POWER)	1			1	1	1	2	
15	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	Т
16	RKX011G602A	LABEL,WIRING	1							
17	RKX503A300	DISPLAY ASSY	1			1	1	2	3	
18	RKX505A006	PWB ASSY(DISPLAY)	1			2	2	4	8	
19	RKJ941F001	SPRING,LEAF	1							
20	RKX502A001	CONTROL ASSY,REMOTE	1			2	3	5	10	
21	RMA008A011	PARTS,STANDARD	1							
22	RMA012A031	MANUAL,INSTRUCTION	1							
23	RKT437A011	FILTER,CLEAN	1			2	2	4	8	
24	RKT437A005	FILTER,LIGHT CLEAN	1			2	2	4	8	
25	RKN032A002C	HOLDER(REMO-CON)	1			1	1	1	2	
(26)	RMA011F013	LABEL,MODEL NAME	1							



SRK13YJ-S

END ITEM NO.: RMA002F016A

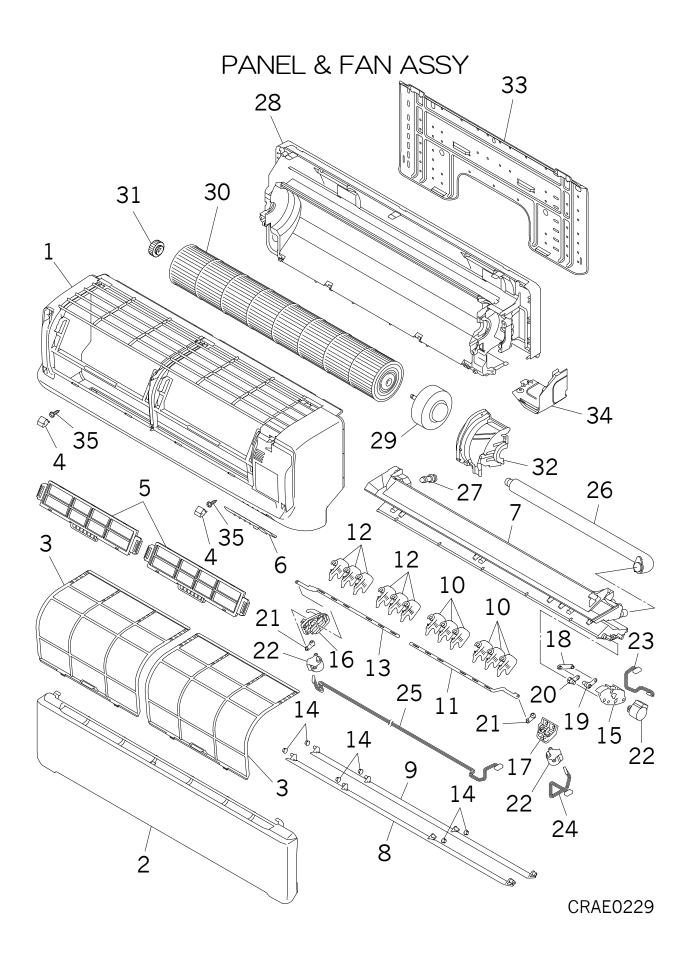
	I EIVI NO. :	RIVIAUUZFUTGA	1	Recommendable Purchased Q'ty						
No.	Part No.	Part Name	RE.Q	10	30	50	100		1000	Note
1~6	RMA102A100C	PANEL ASSY,FRONT	1			1	1	1	2	
	RKX122A300N	PANEL.FRONT	1							
-	RMA435A100B	PANEL,AIR INLET	1			1	1	2	3	
-	RKX437A300	FILTER,AIR	2			1	1			W315.5×H299.7(t2)
	RKX129A013	CAP	2					-		(-)
-	RKX129A014	HOLDER,FILTER	2	_		1	1	1	2	
	RKX133A300	PLATE,ORNAMENT	1			1	1	1	2	
-	RKX435A302C	GRILLE ASSY,AIR OUT	1			1	1	2	3	
	RKX435A303	GRILLE,AIR OUTLET	1							
	RKX436A001	FLAP(A)	1							UPPER
	RKX436A002	FLAP(B)	1							LOWER
	RKX436A003	LOUVER ASSY(R)	1			1	1	2	2	
-	RKX436A005	LOUVER	6							
	RKX129A008	PLATE,CONNECTING(R)	1							
	RKX436A004	LOUVER ASSY(L)	1			1	1	2	2	
	RKX436A005	LOUVER	6							
	RKX129A009	PLATE,CONNECTING(L)	1							
14	RKW935C200	COLLAR	6							
15	RKX129A010	BRACKET,MOTOR(A)	1	_		1	1	1	2	
16	RKX129A011	BRACKET,MOTOR(B)	1			1	1	1	2	
17	RKX129A012	BRACKET,MOTOR(C)	1			1	1	1	2	
18	RKX144A001	LINK	1			1	1	1	2	
19	RKX144A002	CRANK(A)	1			1	1	1	2	
20	RKX144A003	CRANK(B)	1			1	1	1	2	
21	RKW144A204	CRANK(C)	2			1	1	1	2	
22	SSA512T096	MOTOR,STEPPING	3			1	1	1	2	
23	RKS504A100G	HARNESS ASSY	1			1	1	1	2	FOR FLAP MOTOR
24	RKS504A100	HARNESS ASSY	1			1	1	1	2	FOR RIGHT LOUVER MOTOR
25	RKS504A100L	HARNESS ASSY	1			1	1	1	2	FOR LEFT LOUVER MOTOR
26	SSA423A102	HOSE,DRAIN	1							
27	SSA326A047	PLUG	1							
28	RKX111A001	BASE ASSY	1			1	1	1	2	
29	SSA512T081	MOTOR,DC	1			1	1	1	2	FOR IMPELLER
30	SSA431G046A	IMPELLER	1			1	1	2	4	
31	SSA923C114	BEARING,PLANE	1			1	1	1	2	
32	RKX129A005	COVER(MOTOR)	1			1	1	1	2	
33	RKX032A001	PLATE,INSTALLATION	1			1	1	1	2	
34	RKX132A001A	LID	1			1	1	2	4	
35	SSA913A007A	SCREW,TAP	2							4×14



SRK13YJ-S

END ITEM NO.: RMA002F016A

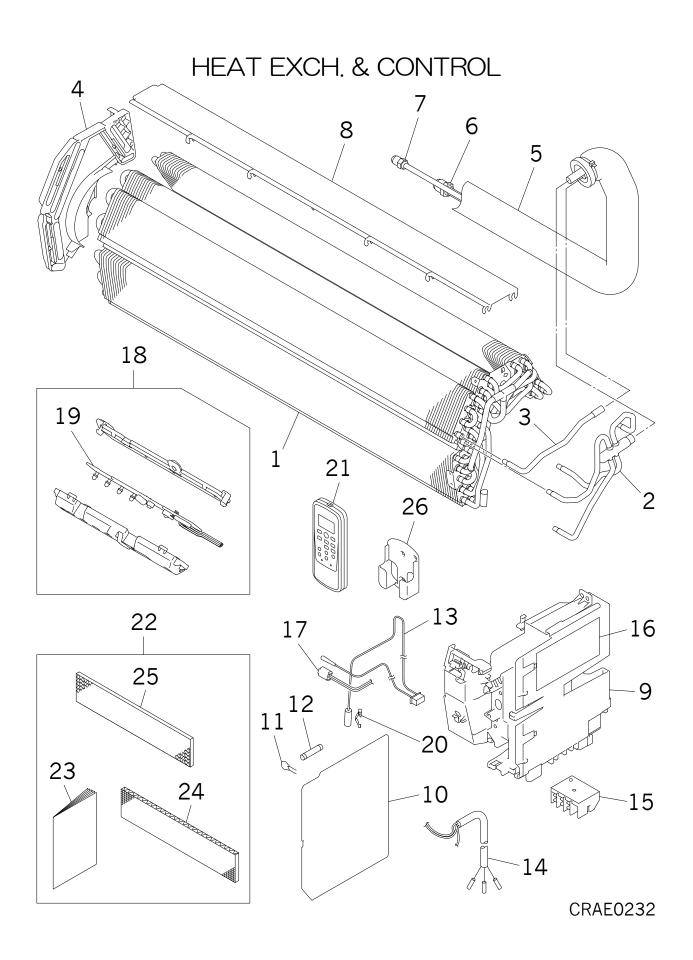
Na	Dowt No.	Port Name	RE.Q	Reco	mmer	ndable	Purc	chase	d Q'ty	Note
No.	Part No.	Part Name	KE.Q	10	30	50	100	500	1000	
1~12	RKX301A007B	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2	RKX315D005	HEADER ASSY	1							
3	RKX129A016	BRACKET ASSY(L)	1							
4~8	RKX315A004	DISTRIBUTOR ASSY	1							
4	RKX315A003	DISTRIBUTOR	1							
5	RKX315B001	CAPILLARY	1							
6	RKX315B002	CAPILLARY	1							
7	RKX315B005	CAPILLARY	1							
8	RKX315B006	CAPILLARY	1							
9~11	RKX321A001	PIPE ASSY	1							
10	SSA323F088	UNION(SLD)	1							FOR GAS
11	SSA323F088A	UNION(SLD)	1							FOR LIQ.
12	RKX129A001B	PLATE ASSY,BAFFLE	1			1	1	1	2	
13	RKX142A001	BOX,CONTROL	1							
14~16	RKX505A500HF	PWB ASSY	1			2	2	4	8	
15	SSA555B058AD	VARISTOR	1			1	1	1	2	Z
16	SSA564A132	FUSE(CURRENT)	1			1	1	2	4	F 3A
17	SSA551A163L	SENSOR ASSY	1			1	1	2	4	INCL.SENSOR(ROOM TEMP.& HEAT EXCH.)
18	RKV504A500	HARNESS ASSY(POWER)	1			1	1	1	2	
19	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	Т
20	RKX011G602A	LABEL,WIRING	1							
21	SSA551B017	SENSOR(HUMIDITY)	1			1	1	2	4	
22	RKX503A300	DISPLAY ASSY	1			1	1	2	3	
23	RKX505A006	PWB ASSY(DISPLAY)	1			2	2	4	8	
24	RKJ941F001	SPRING,LEAF	1							
25	RKX502A001	CONTROL ASSY,REMOTE	1			2	3	5	10	
26	RMA008A011	PARTS,STANDARD	1							
27	RMA012A031	MANUAL,INSTRUCTION	1							
28	RKT437A011	FILTER,CLEAN	1			2	2	4	8	
29	RKT437A005	FILTER,LIGHT CLEAN	1			2	2	4	8	
30	RKN032A002C	HOLDER(REMO-CON)	1			1	1	1	2	
(31)	RMA011F013A	LABEL,MODEL NAME	1							



SRK18YJ-S

END ITEM NO.: RMA002F016B

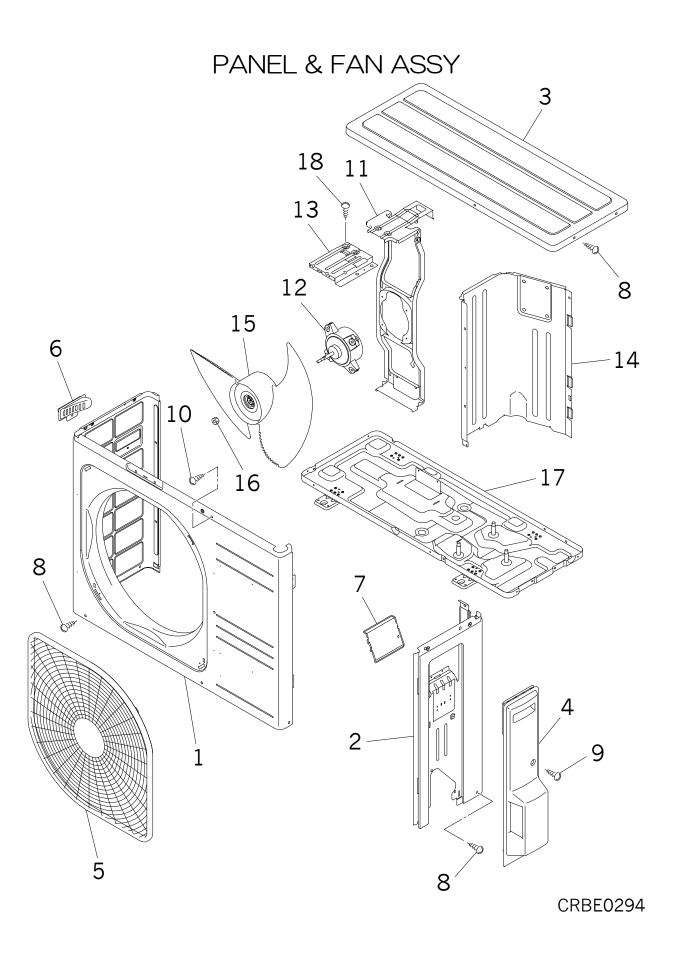
LIND	TEWING.	KIVIAUU2FU10D		<u></u>			_		1.011	T
No.	Part No.	Part Name	RE.Q			ndable				Note
	D14440044000	DANEL ACOVERNAT		10	30	50	100	500	1000	
	RMA102A100C	PANEL ASSY,FRONT	1			1	1	1	2	
	RKX122A300N	PANEL,FRONT	1			<u> </u>			_	
	RMA435A100B	PANEL,AIR INLET	1			1	1	2		
	RKX437A300	FILTER,AIR	2	-		1	1	1	2	W315.5×H299.7(t2)
	RKX129A013	CAP	2	-						
	RKX129A014	HOLDER,FILTER	2			1	1	1		
	RKX133A300	PLATE,ORNAMENT	1			1	1	1	2	
7~27	RKX435A302C	GRILLE ASSY,AIR OUT	1			1	1	2	3	
7	RKX435A303	GRILLE,AIR OUTLET	1							
8	RKX436A001	FLAP(A)	1							UPPER
9	RKX436A002	FLAP(B)	1							LOWER
10 • 11	RKX436A003	LOUVER ASSY(R)	1			1	1	2	2	
10	RKX436A005	LOUVER	6							
11	RKX129A008	PLATE,CONNECTING(R)	1							
12 • 13	RKX436A004	LOUVER ASSY(L)	1			1	1	2	2	
12	RKX436A005	LOUVER	6							
13	RKX129A009	PLATE,CONNECTING(L)	1							
14	RKW935C200	COLLAR	6							
15	RKX129A010	BRACKET,MOTOR(A)	1			1	1	1	2	
16	RKX129A011	BRACKET,MOTOR(B)	1			1	1	1	2	
17	RKX129A012	BRACKET,MOTOR(C)	1			1	1	1	2	
18	RKX144A001	LINK	1			1	1	1	2	
19	RKX144A002	CRANK(A)	1			1	1	1	2	
20	RKX144A003	CRANK(B)	1			1	1	1	2	
21	RKW144A204	CRANK(C)	2			1	1	1	2	
22	SSA512T096	MOTOR,STEPPING	3			1	1	1	2	
23	RKS504A100G	HARNESS ASSY	1			1	1	1	2	FOR FLAP MOTOR
24	RKS504A100	HARNESS ASSY	1			1	1	1	2	FOR RIGHT LOUVER MOTOR
25	RKS504A100L	HARNESS ASSY	1			1	1	1	2	FOR LEFT LOUVER MOTOR
26	SSA423A102	HOSE,DRAIN	1							
	SSA326A047	PLUG	1							
28	RKX111A001	BASE ASSY	1			1	1	1	2	
29	SSA512T081	MOTOR,DC	1			1	1	1	2	FOR IMPELLER
	SSA431G046A	IMPELLER	1	 		1	1	2		
	SSA923C114	BEARING,PLANE	1			1	1	1	2	
	RKX129A005	COVER(MOTOR)	1			1	1	1	2	
	RKX032A001	PLATE, INSTALLATION	1	-		1	1	1	2	
	RKX132A001A	LID	1	-		1	1	2		
	SSA913A007A	SCREW,TAP	2							4×14



SRK18YJ-S

END ITEM NO.: RMA002F016B

N1.	D. (N.	D. (N.	DE 0	Reco	mmer	ndable	Purc	hase	d Q'ty	N. 4.
No.	Part No.	Part Name	RE.Q	10	30	50	100	500	1000	Note
1~8	RKX301A011G	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2	RKX315D007	HEADER ASSY	1							
3	RKX321A038	PIPE	1							
4	RKX129A016	BRACKET ASSY(L)	1							
5~7	RKX321A001B	PIPE ASSY	1							
6	SSA323F088B	UNION(SLD)	1							FOR GAS
7	SSA323F088A	UNION(SLD)	1							FOR LIQ.
8	RKX129A001B	PLATE ASSY,BAFFLE	1			1	1	1	2	
9	RKX142A001	BOX,CONTROL	1							
10~12	RKX505A500HG	PWB ASSY	1			2	2	4	8	
11	SSA555B058AD	VARISTOR	1			1	1	1	2	Z
12	SSA564A132	FUSE(CURRENT)	1			1	1	2	4	F 3A
13	SSA551A163L	SENSOR ASSY	1			1	1	2	4	INCL.SENSOR(ROOM TEMP.& HEAT EXCH
14	RKV504A500F	HARNESS ASSY(POWER)	1			1	1	1	2	
15	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	Т
16	RKX011G602A	LABEL,WIRING	1							
17	SSA551B017	SENSOR(HUMIDITY)	1			1	1	2	4	
18	RKX503A300	DISPLAY ASSY	1			1	1	2	3	
19	RKX505A006	PWB ASSY(DISPLAY)	1			2	2	4	8	
20	RKJ941F001	SPRING,LEAF	1							
21	RKX502A001	CONTROL ASSY,REMOTE	1			2	3	5	10	
22	RMA008A011	PARTS,STANDARD	1							
23	RMA012A031	MANUAL,INSTRUCTION	1							
24	RKT437A011	FILTER,CLEAN	1			2	2	4	8	
25	RKT437A005	FILTER,LIGHT CLEAN	1			2	2	4	8	
26	RKN032A002C	HOLDER(REMO-CON)	1			1	1	1	2	
(27)	RMA011F013B	LABEL,MODEL NAME	1							

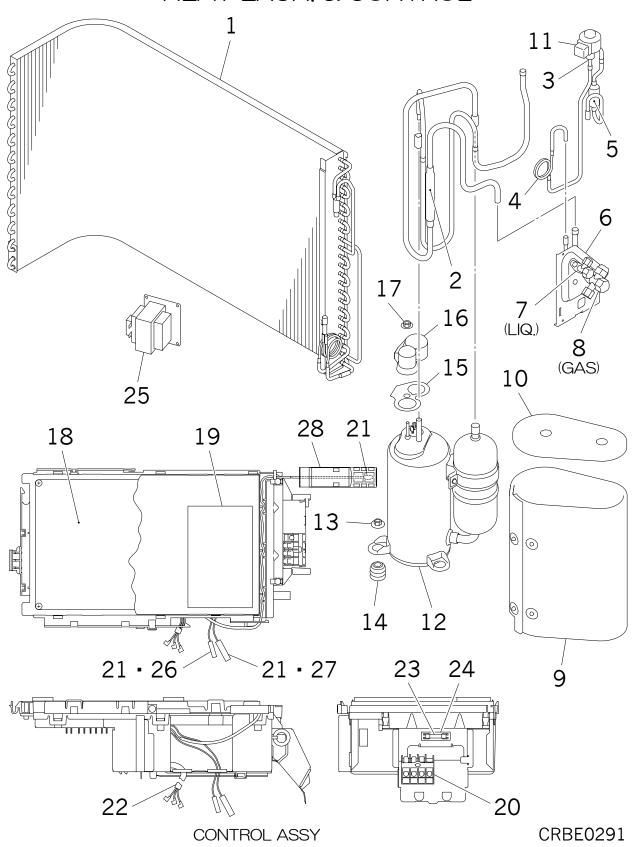


SRC10YJ-S

END ITEM NO.: RMC003F022

NI-	Don't No.	Dout Name	DE 0	Reco	mmer	ndable	e Purc	chase	d Q'ty	Note
No.	Part No.	Part Name	RE.Q	10	30	50	100	500	1000	
1	RCV122A001	PANEL,FRONT	1			1	1	1	2	
2	RCV123A001	PANEL,SIDE(R)	1			1	1	1	2	
3	RCV124A001	PANEL,TOP	1			1	1	1	2	
4	RCV132A003	COVER ASSY,SERVICE	1			1	1	2	4	
5	RCV435A001A	GRILLE,AIR OUTLET	1			1	1	2	3	
6	SSA944B036B	HANDLE	1							
7	RCV142A001	COVER(TB)	1							
8	SSA913A034F	SCREW,TAP	24							4×8
9	SSA913A034G	SCREW,TAP	1							4×12
10	SSA913A008F	SCREW,TAP	1							4×10
11	RCV116A005	BRACKET ASSY	1							
12	SSA512T094	MOTOR,DC	1			2	2	4	8	
13	RCV116A003	BRACKET,MOTOR(U)	1							
14	RCV141A001A	PLATE,BAFFLE	1							
15	SSA431B253	PROPELLER	1			1	1	2	4	
16	SSA914B007AC	NUT,TH	1							
17	RCV111A001	BASE ASSY	1			1	1	1	2	
18	W011D04X008	TAP-SCREW,CRS-TRS2	6							FOR BRACKET MOTOR

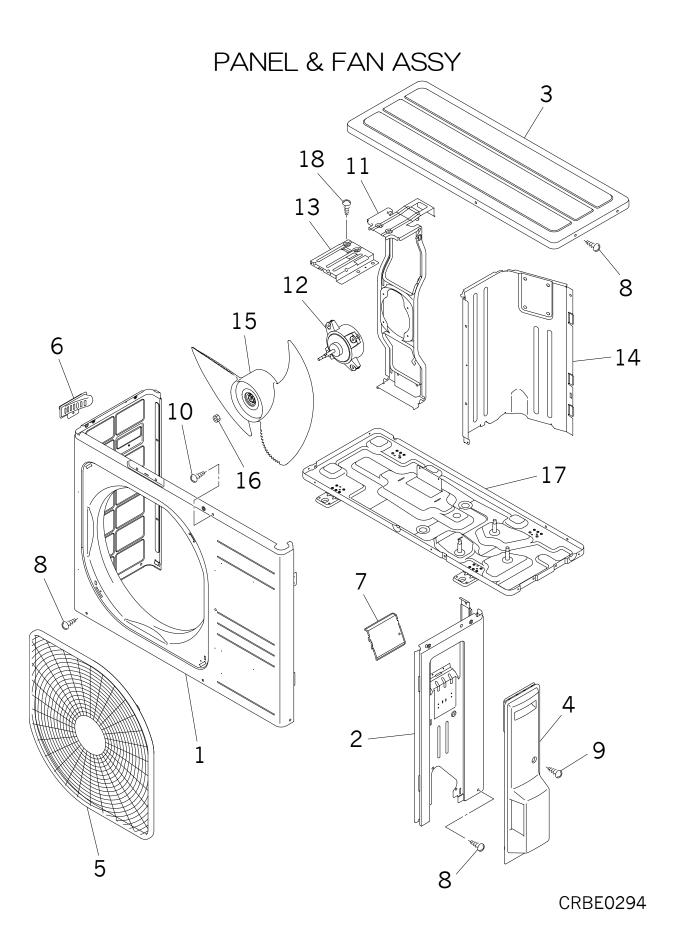
HEAT EXCH. & CONTROL



SRC10YJ-S

END ITEM NO.: RMC003F022

No.	Part No.	Part Name	RE.Q	Reco	mmer	ndable	Purc	chase	d Q'ty	Note
NO.	Part NO.	rart Name	KE.Q	10	30	50	100	500	1000	Note
1	RCV301A001	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2	RCK325A501C	PIPE,SHELL	1							
3~5	RMC304A018	PIPING ASSY(EXPAN)	1							
3	SSA387F051	VALVE,BODY(EXP)	1							EEV
4	RMC315B016	CAPILLARY	1							φ2.6×φ4.0 L300
5	RCN325A700	PIPE,SHELL	1							
6	RCS116A004	BRACKET,VALVE	1							
7	RCS381A004A	VALVE,SERVICE(1/4")	1			1	1	1	2	LIQ.
8	RCV381A001	VALVE,SERVICE(3/8")	1			1	1	1	2	GAS
9	RCS154D012	INSULATION,COMP	1							
10	RCS154D009	INSULATION,COMP	1							
11	SSA382F210AY	COIL,SOLENOID	1							FOR EEV
12	AHT201A864DR	COMPRESSOR ASSY	1			1	2	3	8	
13	SSA914C013A	NUT,FLANGE	2							
14	SSA941C346	CUSHION,RUBBER	3							
15	RSA932C004	GASKET,COVER	1							
16	RSA947K005	COVER,TERMINAL	1			1	1	2	4	
17	SSA914C016	NUT,FLANGE	1							
18	RCV505A101F	PWB ASSY	1			2	2	4	8	
19	RMC011G007	LABEL,WIRING	1							
20	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	
21	SSA551A216G	SENSOR ASSY	1			1	1	2	4	
22	RCV504A001	WIRING ASSY	1			1	1	1	2	FOR COMP.
23	SSA564A136	FUSE(CURRENT)	1			1	1	2	4	F 15A
24	SSA564B088	HOLDER,FUSE	1							
25	SSA554B099A	REACTOR	1							
26	RKF941F002	SPRING,LEAF	1							FOR DEFROST SENSOR
27	RCJ941F001	SPRING,LEAF	1							FOR DISCHARGE PIPE SENSOF
28	RCV129A001A	HOLDER,SENSOR	1							
(29)	RMC011F016	LABEL,MODEL NAME	1							

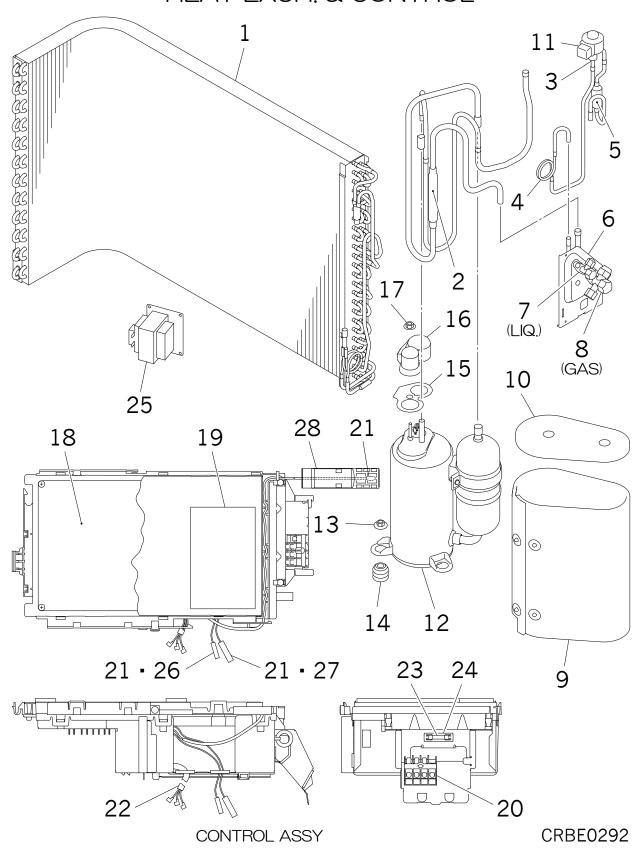


SRC13YJ-S

END ITEM NO.: RMC003F022A

No.	Part No.	Part Name	RE.Q	Reco	mmei	ndable	e Purc	hase	d Q'ty	Note
NO.	Part No.	Part Name	KE.Q	10	30	50	100	500	1000	
1	RCV122A001	PANEL,FRONT	1			1	1	1	2	
2	RCV123A001	PANEL,SIDE(R)	1			1	1	1	2	
3	RCV124A001	PANEL,TOP	1			1	1	1	2	
4	RCV132A003	COVER ASSY,SERVICE	1			1	1	2	4	
5	RCV435A001A	GRILLE,AIR OUTLET	1			1	1	2	3	
6	SSA944B036B	HANDLE	1							
7	RCV142A001	COVER(TB)	1							
8	SSA913A034F	SCREW,TAP	25							4×8
9	SSA913A034G	SCREW,TAP	1							4×12
10	SSA913A008F	SCREW,TAP	1							4×10
11	RCV116A005	BRACKET ASSY	1							
12	SSA512T094	MOTOR,DC	1			2	2	4	8	
13	RCV116A003	BRACKET,MOTOR(U)	1							
14	RCV141A001A	PLATE,BAFFLE	1							
15	SSA431B253	PROPELLER	1			1	1	2	4	
16	SSA914B007AC	NUT,TH	1							
17	'RCV111A001	BASE ASSY	1			1	1	1	2	
18	W011D04X008	TAP-SCREW,CRS-TRS2	6							FOR BRACKET MOTOR

HEAT EXCH. & CONTROL

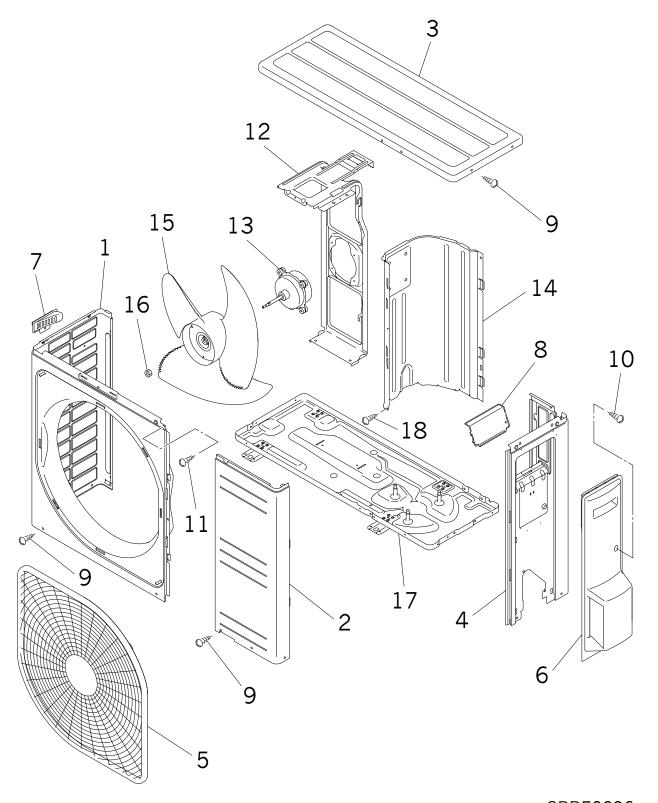


SRC13YJ-S

END ITEM NO.: RMC003F022A

No	Dout No.	Part Name	RE.Q	Reco	mmer	ndable	Purc	chase	d Q'ty	Note
No.	Part No.	Part Name	KE.Q	10	30	50	100	500	1000	Note
1	RCV301A007	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2	RCK325A501C	PIPE,SHELL	1							
3~5	RMC304A018	PIPING ASSY(EXPAN)	1							
3	SSA387F051	VALVE,BODY(EXP)	1							EEV
4	RMC315B016	CAPILLARY	1							φ2.6×φ4.0 L300
5	RCN325A700	PIPE,SHELL	1							
6	RCS116A004	BRACKET, VALVE	1							
7	RCS381A004A	VALVE,SERVICE(1/4")	1			1	1	1	2	LIQ.
8	RCV381A001	VALVE,SERVICE(3/8")	1			1	1	1	2	GAS
9	RCS154D012	INSULATION,COMP	1							
10	RCS154D009	INSULATION,COMP	1							
11	SSA382F210AY	COIL,SOLENOID	1							FOR EEV
12	AHT201A864DR	COMPRESSOR ASSY	1			1	2	3	8	
13	SSA914C013A	NUT,FLANGE	2							
14	SSA941C346	CUSHION,RUBBER	3							
15	RSA932C004	GASKET,COVER	1							
16	RSA947K005	COVER,TERMINAL	1			1	1	2	4	
17	SSA914C016	NUT,FLANGE	1							
18	RCV505A101F	PWB ASSY	1			2	2	4	8	
19	RMC011G007	LABEL,WIRING	1							
20	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	
21	SSA551A216G	SENSOR ASSY	1			1	1	2	4	
22	RCV504A001	WIRING ASSY	1			1	1	1	2	FOR COMP.
23	SSA564A136	FUSE(CURRENT)	1			1	1	2	4	F 15A
24	SSA564B088	HOLDER,FUSE	1							
25	SSA554B099A	REACTOR	1							
26	RKF941F002	SPRING,LEAF	1							FOR DEFROST SENSOR
27	RCJ941F001	SPRING,LEAF	1							FOR DISCHARGE PIPE SENSOR
28	RCV129A001A	HOLDER,SENSOR	1							
(29)	RMC011F016A	LABEL,MODEL NAME	1							

PANEL & FAN ASSY

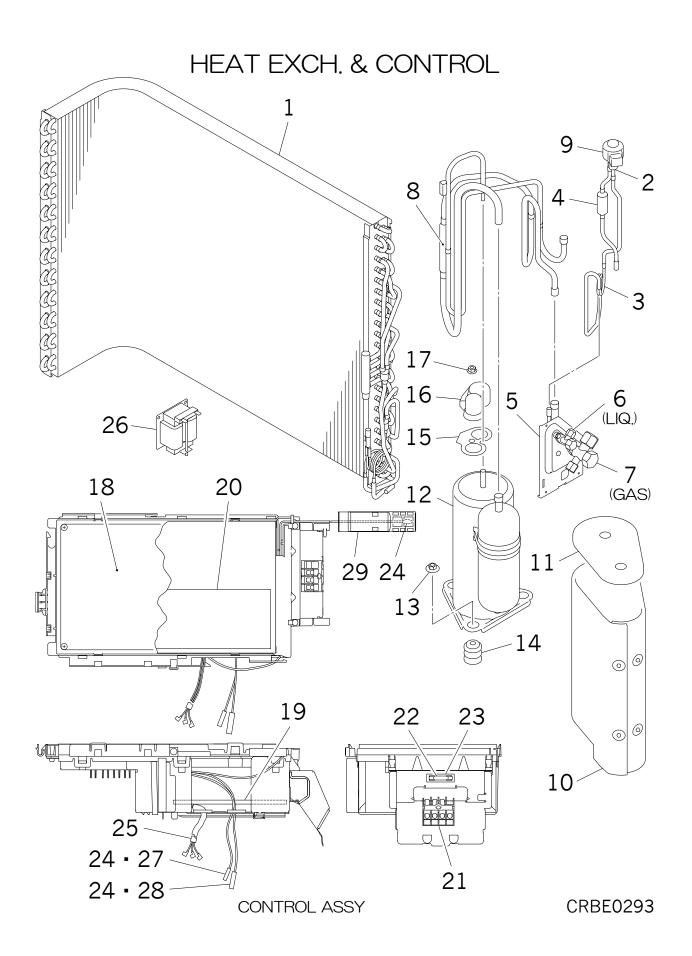


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SRC18YJ-S

END ITEM NO.: RMC003F023

No.	Part No.	Part Name	RE.Q	Reco	mmei	ndable	Purc	hase	d Q'ty	Note
NO.	Part No.	Part Name	KE.Q	10	30	50	100	500	1000	
1	RCT122A003	PANEL ASSY,FRONT	1			1	1	1	2	
2	RCT122A002	PANEL,SERVICE	1			1	1	1	2	
3	RCT124A001	PANEL,TOP	1			1	1	1	2	
4	RCT125A002	PANEL ASSY,REAR	1							
5	RCT435A001	GRILLE,AIR OUTLET	1			1	1	2	3	
6	RCT132A002	COVER ASSY,SERVICE	1			1	1	2	4	
7	SSA944B036B	HANDLE	1							
8	RCT142A004	COVER(TB)	1							
9	SSA913A034F	SCREW,TAP	23							4×8
10	SSA913A034G	SCREW,TAP	1							4×12
11	SSA913A008F	SCREW,TAP	2							4×10
12	RCT116A003	BRACKET,MOTOR	1							
13	SSA512T091A	MOTOR,DC	1			2	2	4	8	
14	RCT141A001A	PLATE,BAFFLE	1							
15	SSA431B250	PROPELLER	1			1	1	2	4	
16	SSA914B007AC	NUT,TH	1							
17	RCT111A001AG	BASE ASSY	1			1	1	1	2	
18	W011D04X008	TAP-SCREW,CRS-TRS2	4							FOR PLATE BAFFLE



SRC18YJ-S

END ITEM NO.: RMC003F023

N.a	Dowt No.	Dort Name	RE.Q	Reco	mmer	ndable	Purc	hase	d Q'ty	Note
No.	Part No.	Part Name	RE.Q	10	30	50	100	500	1000	Note
1	RCT301A005	HEAT EXCH ASSY(AIR)	1			1	1	1	2	
2~4	RMC304A017	PIPING ASSY(EXPAN)	1							
2	SSA387F051	VALVE,BODY(EXP)	1							EEV
3	RCT315B002	CAPILLARY	1							φ2.6×φ4.0 L300
4	RCN325A700	PIPE,SHELL	1							
5	RCS116A004	BRACKET, VALVE	1							
6	RCS381A004A	VALVE,SERVICE(1/4")	1			1	1	1	2	LIQ.
7	RCT381A002	VALVE,SERVICE(1/2")	1			1	1	1	2	GAS
8	RMC325A001	PIPE,SHELL	1							
9	SSA382F210AY	COIL,SOLENOID	1							FOR EEV
10	RCT154D004	INSULATION,COMP	1							
11	RCV154D003	INSULATION,COMP	1							
12	RSA201A036	COMPRESSOR ASSY	1			1	2	3	8	
13	SSA914C013A	NUT,FLANGE	2							
14	SSA941C354	CUSHION,RUBBER	3							
15	RSA932C004	GASKET,COVER	1							
16	RSA947K005	COVER,TERMINAL	1			1	1	2	4	
17	SSA914C016	NUT,FLANGE	1							
18	RCT505A005BA	PWB ASSY(MAIN)	1			2	2	4	8	
19	RCT505A004C	PWB ASSY(SUB)	1			2	2	4	8	
20	RMC011G008	LABEL,WIRING	1							
21	SSA561B702B	BLOCK,TERMINAL	1			1	1	2	2	
22	SSA564A136A	FUSE(CURRENT)	1			1	1	2	4	F 20A
23	SSA564B088	HOLDER,FUSE	1							
24	SSA551A216G	SENSOR ASSY	1			1	1	2	4	
25	RCV504A001	WIRING ASSY	1			1	1	1	2	FOR COMP.
26	SSA554B089	REACTOR	1							
27	RKF941F002	SPRING,LEAF	1							FOR DEFROST SENSOR
28	RCJ941F001	SPRING,LEAF	1							FOR DISCHARGE PIPE SENSOR
29	RCV129A001A	HOLDER,SENSOR	1							
(30)	RMC011F016D	LABEL,MODEL NAME	1							

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