



**HIGH POWER MULTI
AIR CONDITIONER
WALL MOUNTED type**

**SERVICE
MANUAL**

Models	Indoor unit	Outdoor unit
	RSM-9UA	ROM-19UA2



C O N T E N T S

SPECIFICATIONS.....	1
OUTLINE AND DIMENSIONS.....	2
REFRIGERANT SYSTEM DIAGRAM.....	3
ERROR DISPLAY.....	4
CIRCUIT DIAGRAM.....	5
INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM.....	6
OUTDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM...	7
DISASSEMBLY ILLUSTRATION	8
PARTS LIST.....	15

SPECIFICATIONS

TYPE		COOL & HEAT	COOL & HEAT
INDOOR UNIT		RSM-9UA	RSM-9UA x 2
OUTDOOR UNIT		ROM-19UA2	ROM-19UA2
COOLING CAPACITY	(kW)	2.70	5.40
HEATING CAPACITY	(kW)	3.30	6.60

ELECTRICAL DATA

POWER SOURCE (V)		230	230
FREQUENCY (Hz)		50	50
RUNNING CURRENT (A)	COOLING	4.6	8.7
	HEATING	5.1	9.1
INPUT WATTS (kW)	COOLING	1.01	1.92
	HEATING	1.14	2.03
E.E.R. (kW/kW)	COOLING	2.67	2.81
	HEATING	2.89	3.21
MOISTURE REMOVAL (ℓ /hr)		1.2	2.4
AIR CIRCULATION-Hi (m³/hr)		470	470 x 2

COMPRESSOR

TYPE	Hermetic type, Permanent split condenser, 2 pole, Single phase, Induction motor, Rotary		
DISCRIMINATION	802 141 65B		
POWER SOURCE	230V - 50Hz		
REFRIGERANT	R410A	(g)	900 x 2

FAN MOTOR

POWER SOURCE	(V)	230
INDOOR UNIT (COOL / HEAT)	HI-SPEED (r.p.m.)	1,200 / 1,200
	MED-SPEED (r.p.m.)	1,100 / 1,100
	LO-SPEED (r.p.m.)	1,000 / 1,000
	QUIET (r.p.m.)	940 / 940
OUTDOOR UNIT	(r.p.m.)	720

DIMENSIONS

INDOOR UNIT	H x W x D (mm)	257 x 808 x 187
OUTDOOR UNIT	H x W x D (mm)	700 x 900 x 350

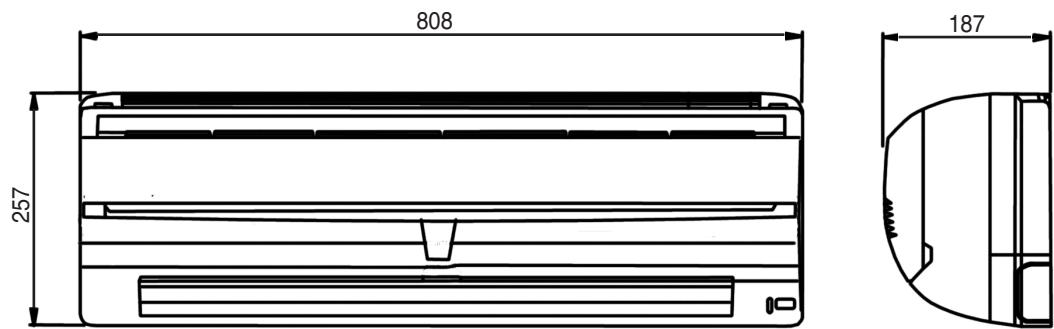
WEIGHT

INDOOR UNIT	GROSS / NET (kg)	10 / 8
OUTDOOR UNIT	GROSS / NET (kg)	74 / 68

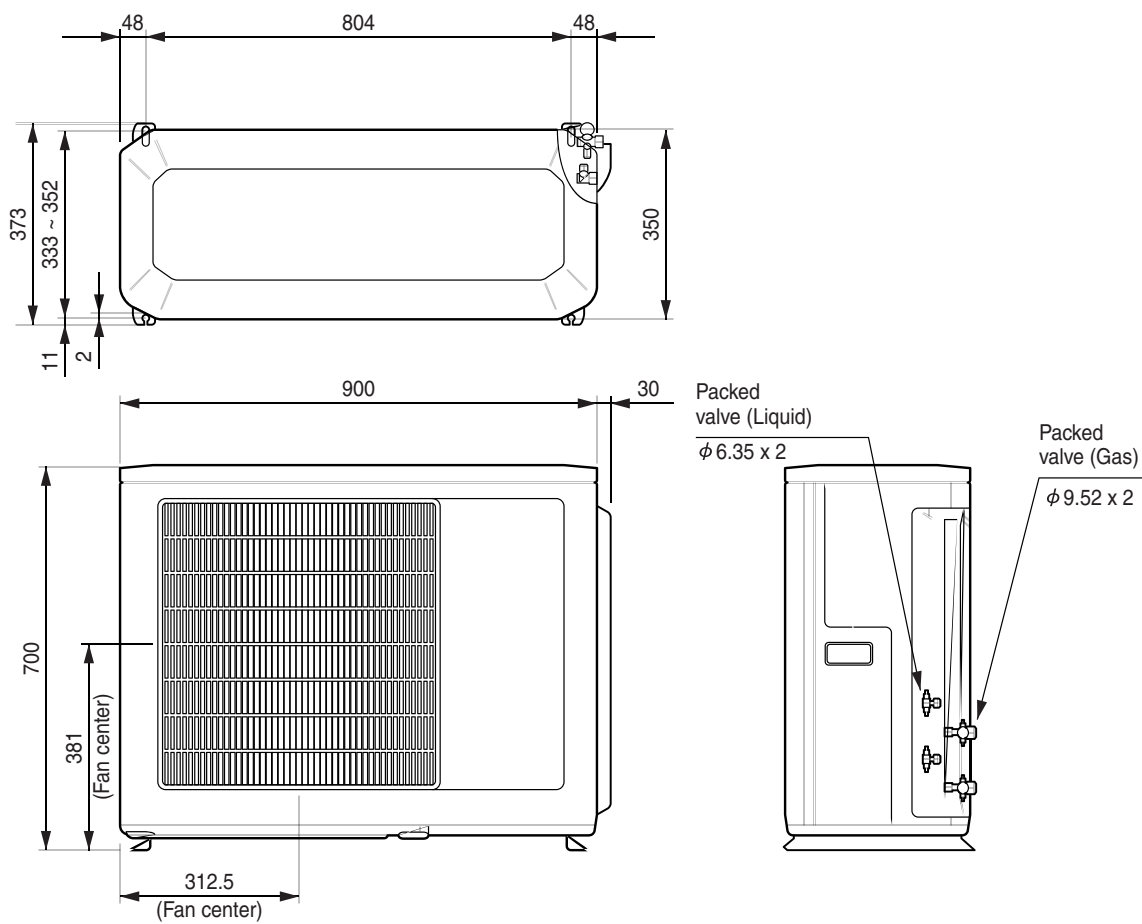
OUTLINE AND DIMENSIONS

INDOOR UNIT

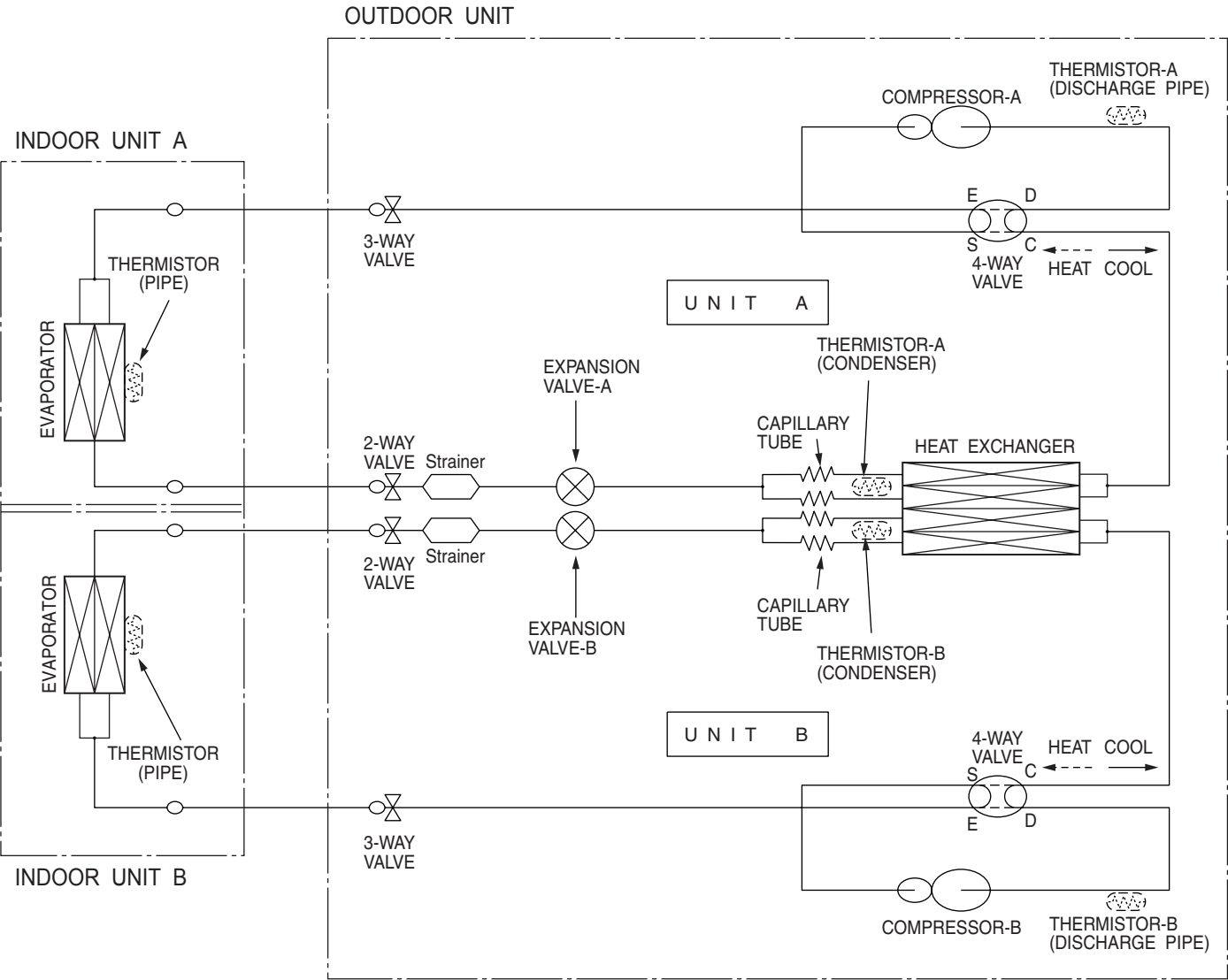
(Unit : mm)



OUTDOOR UNIT



REFRIGERANT SYSTEM DIAGRAM



ERROR DISPLAY

INDOOR UNIT

○ : Fast flashing ● : Slow flashing

Operation lamp : Red lamp

Timer lamp : Green lamp

Large division indication			Small division indication		
Error contents	LED indication		Error contents	LED indication	
thermistor error	Red lamp Green lamp	● (2 times) ○	thermistor error (room temp.)	Red lamp	○
			thermistor error (heat exchanger)	Green lamp	● (2 times)
control unit error (indoor unit)	Red lamp Green lamp	● (4 times) ○	MANUAL AUTO button error	Red lamp	○
			power source Hz decision error	Green lamp	● (2 times)
serial error	Red lamp Green lamp	● (5 times) ○	serial reverse transmission error	Red lamp	○
			serial order transmission error	Green lamp	● (2 times)
fan motor error (indoor unit)	Red lamp Green lamp	● (6 times) ○	lock error	Red lamp	○
			r.p.m error	Green lamp	● (2 times)
				Red lamp	○
				Green lamp	● (3 times)

When an error occurs, "Large division indication" is indicated first.

Secondly, "Small division indication" is indicated by pushing "Test" button of remote controller.

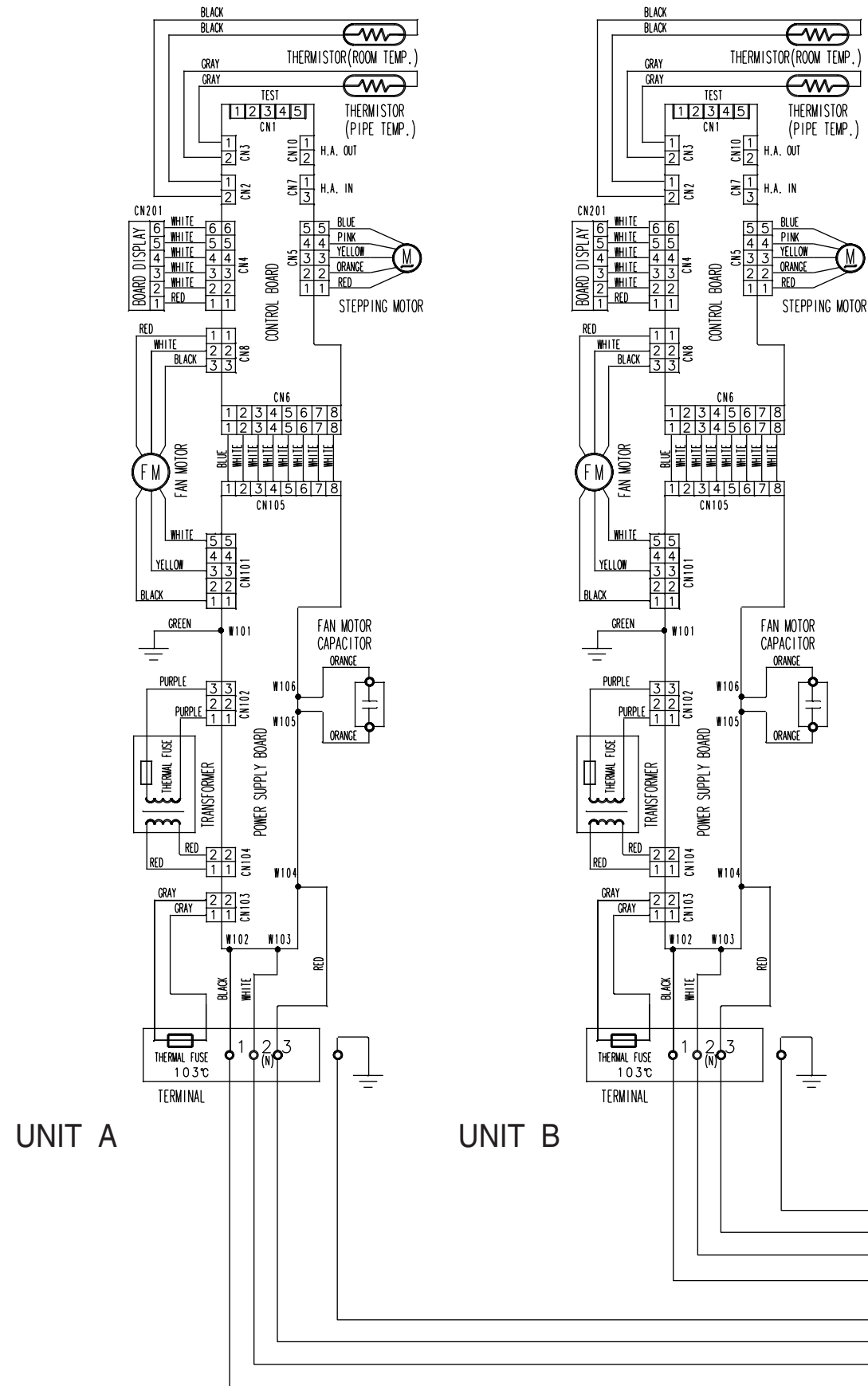
OUTDOOR UNIT

○ : Fast flashing ● : Slow flashing

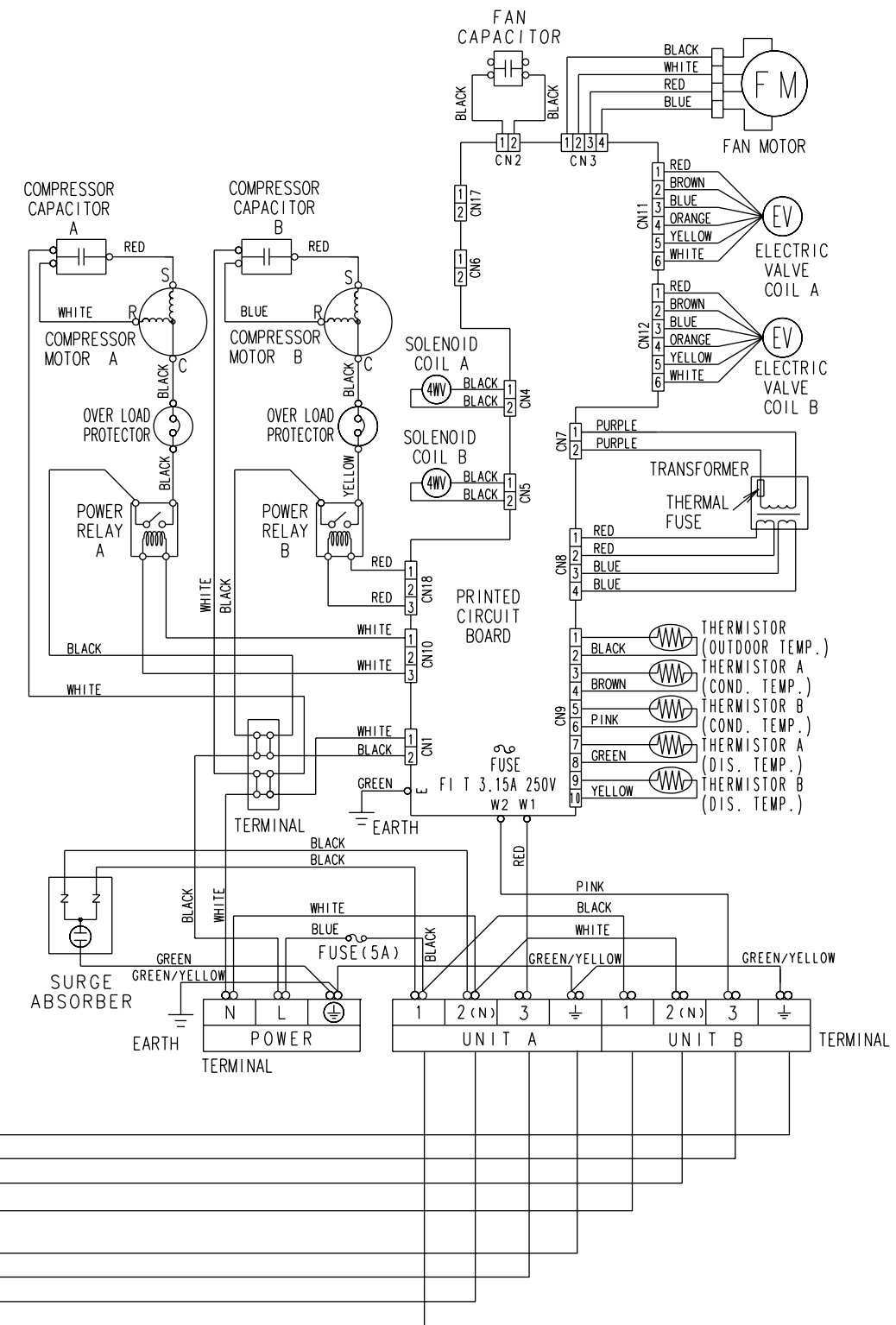
LED indication		Contents	
D8	○	Signal reception (from indoor unit A) error	Model information error
	●	—	
D15	○	Signal reception (from indoor unit B) error	0.1s ON/OFF
	●	—	
D10	● (2 times)	Thermistor (discharge pipe) A error	(All LED blink)
	● (3 times)	Thermistor (discharge pipe) B error	
	● (4 times)	Thermistor (heat exchanger) A error	
	● (5 times)	Thermistor (heat exchanger) B error	
	● (6 times)	Thermistor (outdoor temp.) error	
D17		—	
D9	● (2 times)	UNIT A : Heating overload protection	
	● (3 times)	UNIT A : Cooling deicing	
	● (4 times)	—	
	● (5 times)	UNIT A : Discharge temp. protection	
	3s ON / 1s OFF repeated	UNIT A : Heating defrost operation	
D16	● (2 times)	UNIT B : Heating overload protection	
	● (3 times)	UNIT B : Cooling deicing	
	● (4 times)	—	
	● (5 times)	UNIT B : Discharge temp. protection	
	3s ON / 1s OFF repeated	UNIT B : Heating defrost operation	

CIRCUIT DIAGRAM

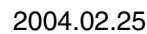
INDOOR UNIT



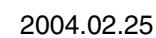
OUTDOOR UNIT



Model : RSM-9UA

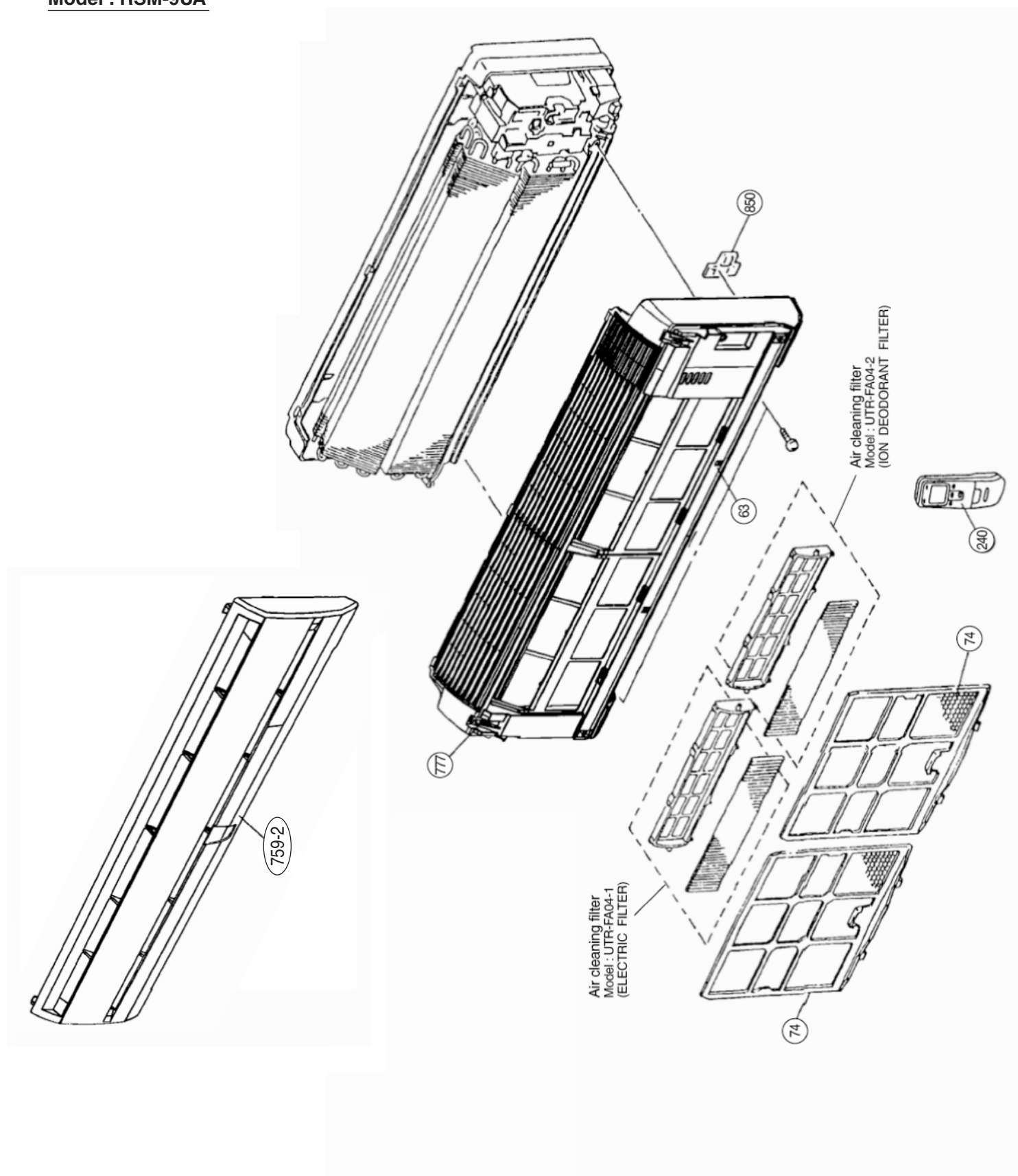


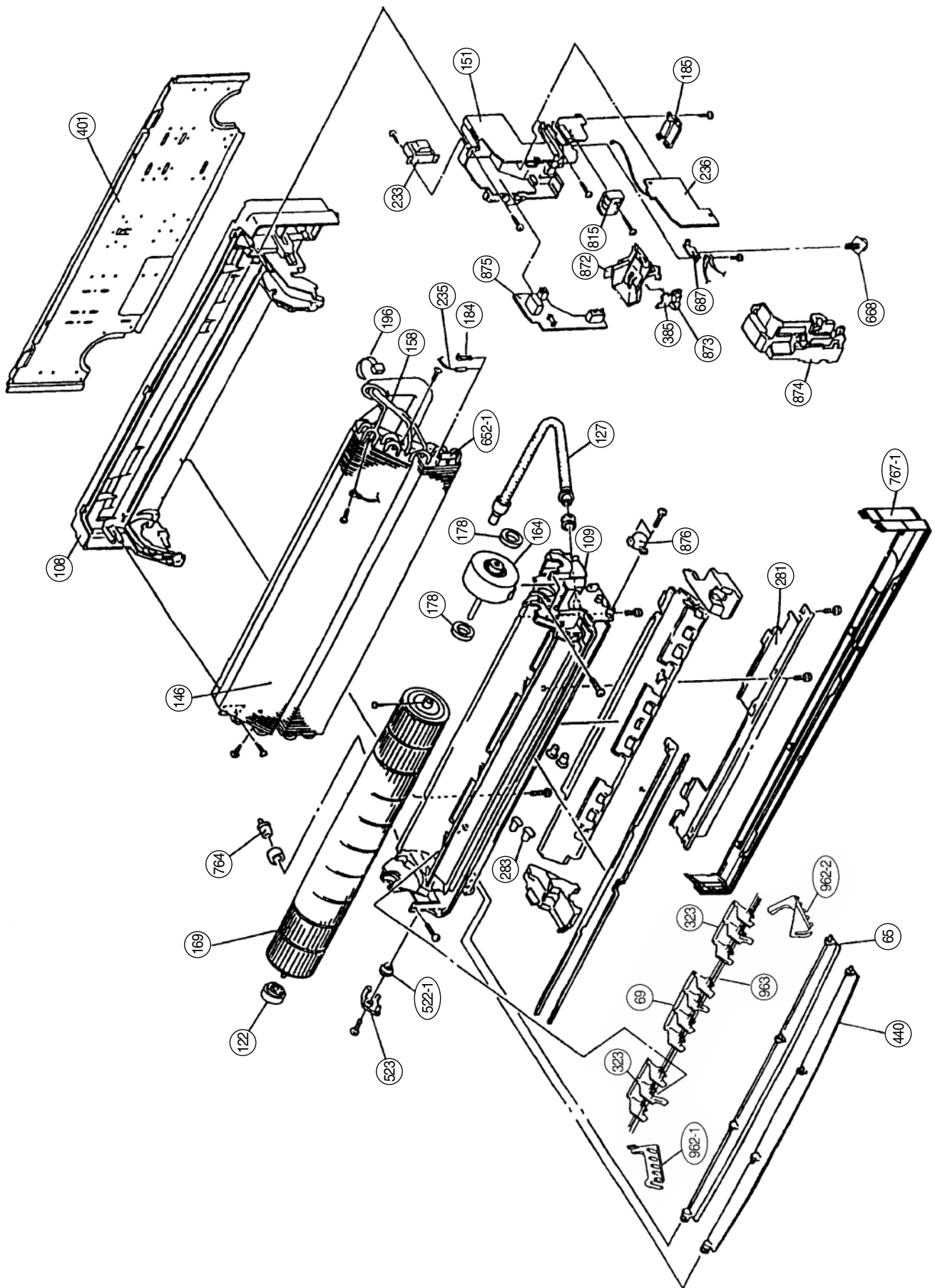
Model : ROM-19UA2

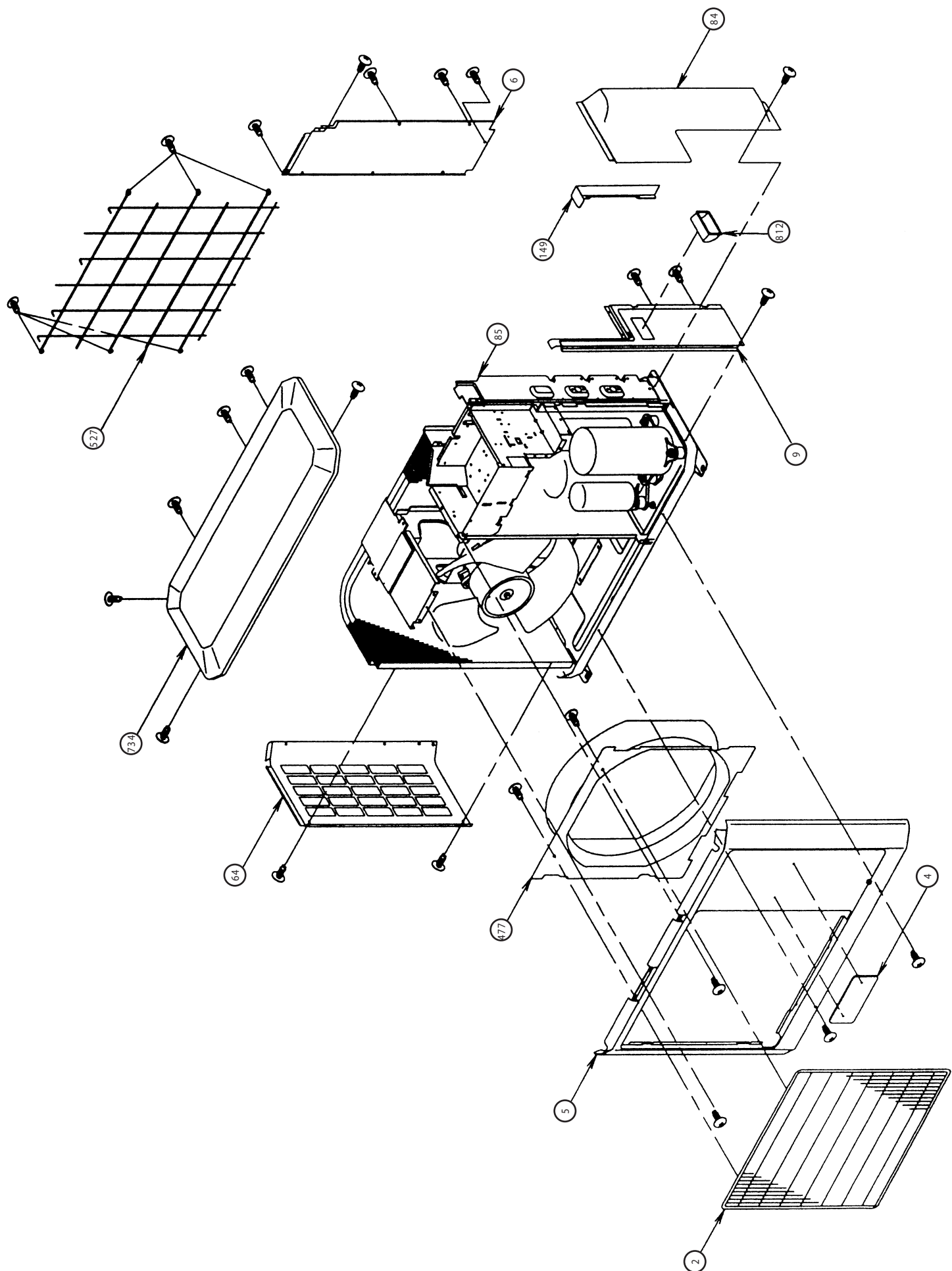


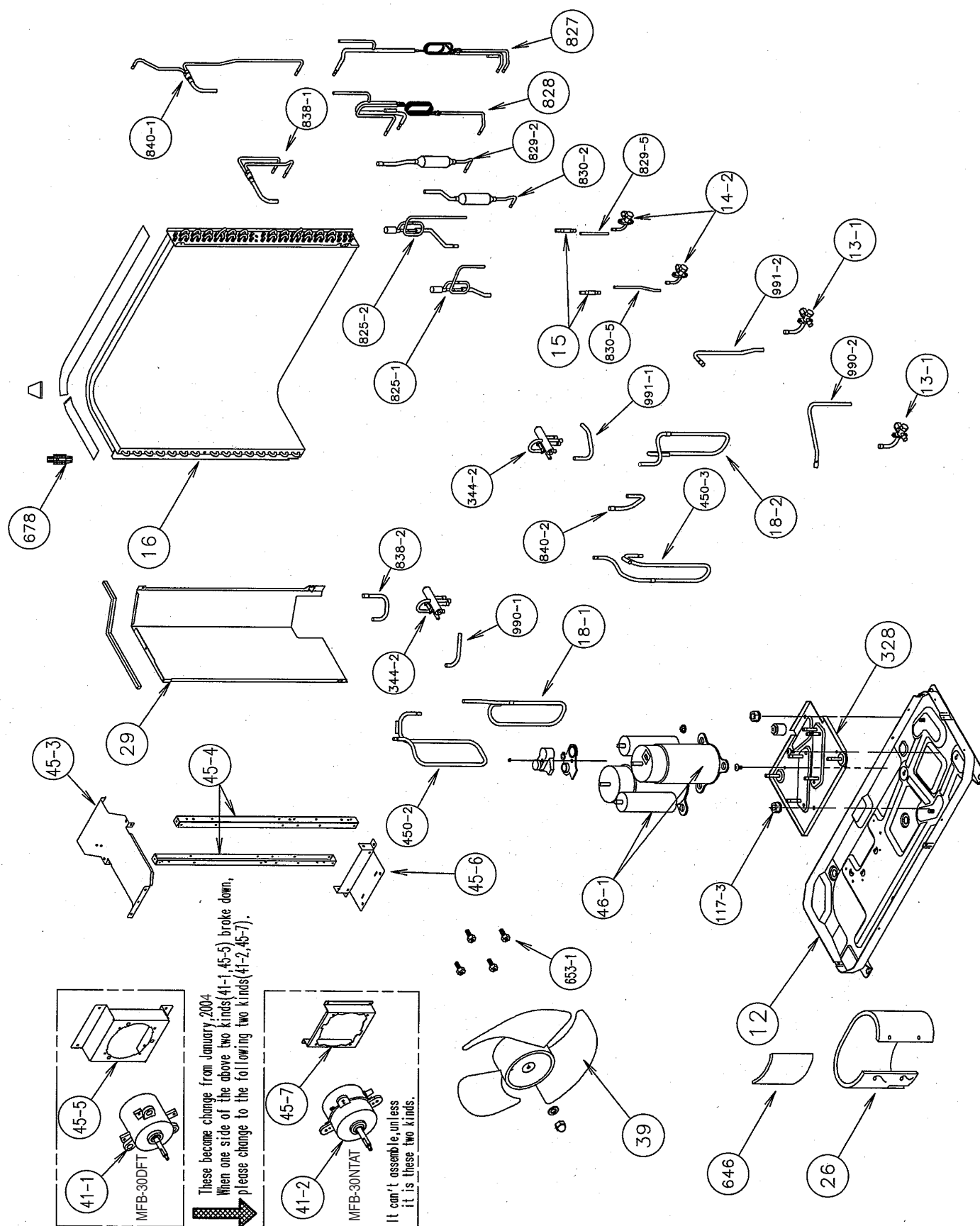
DISASSEMBLY ILLUSTRATION

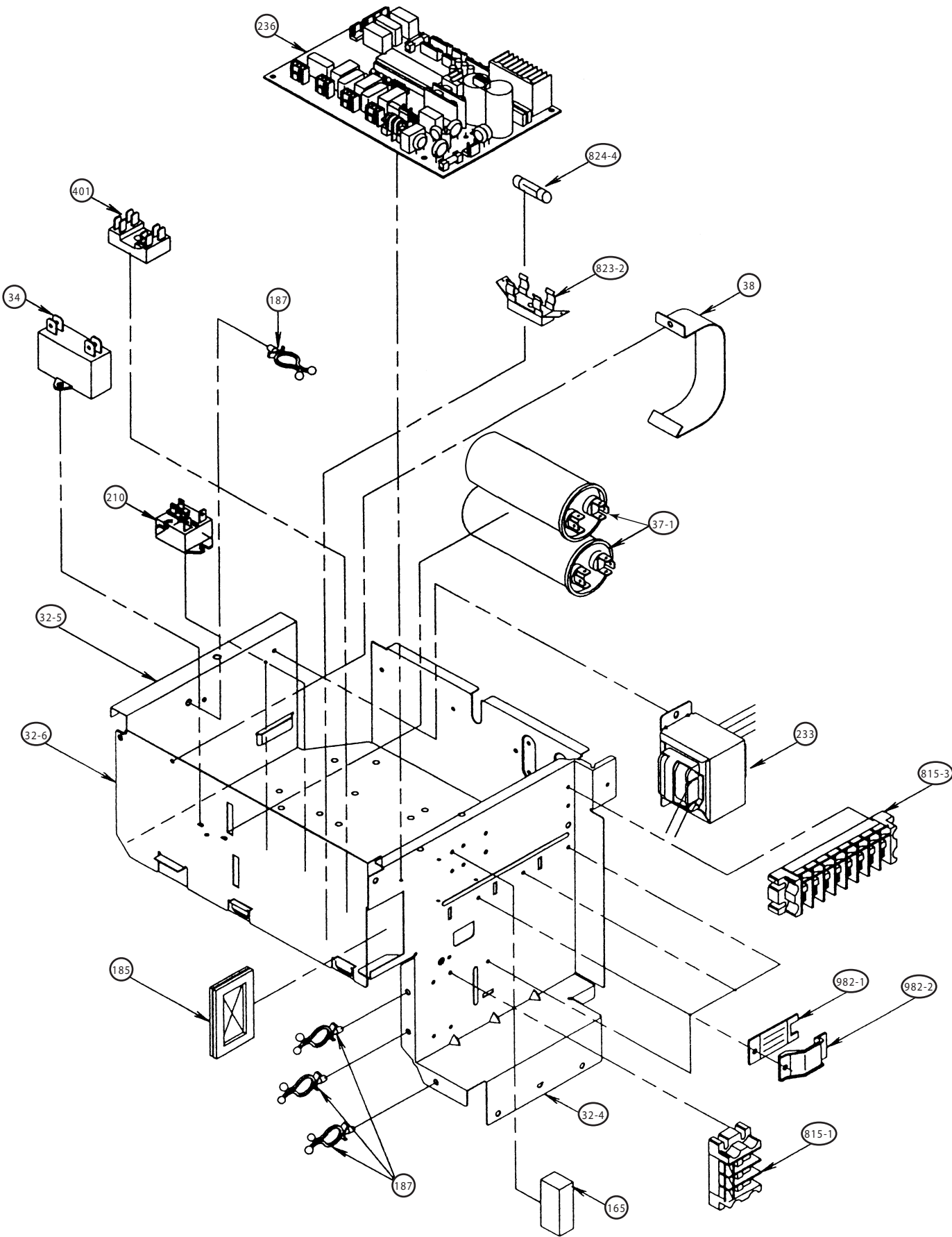
Model : RSM-9UA

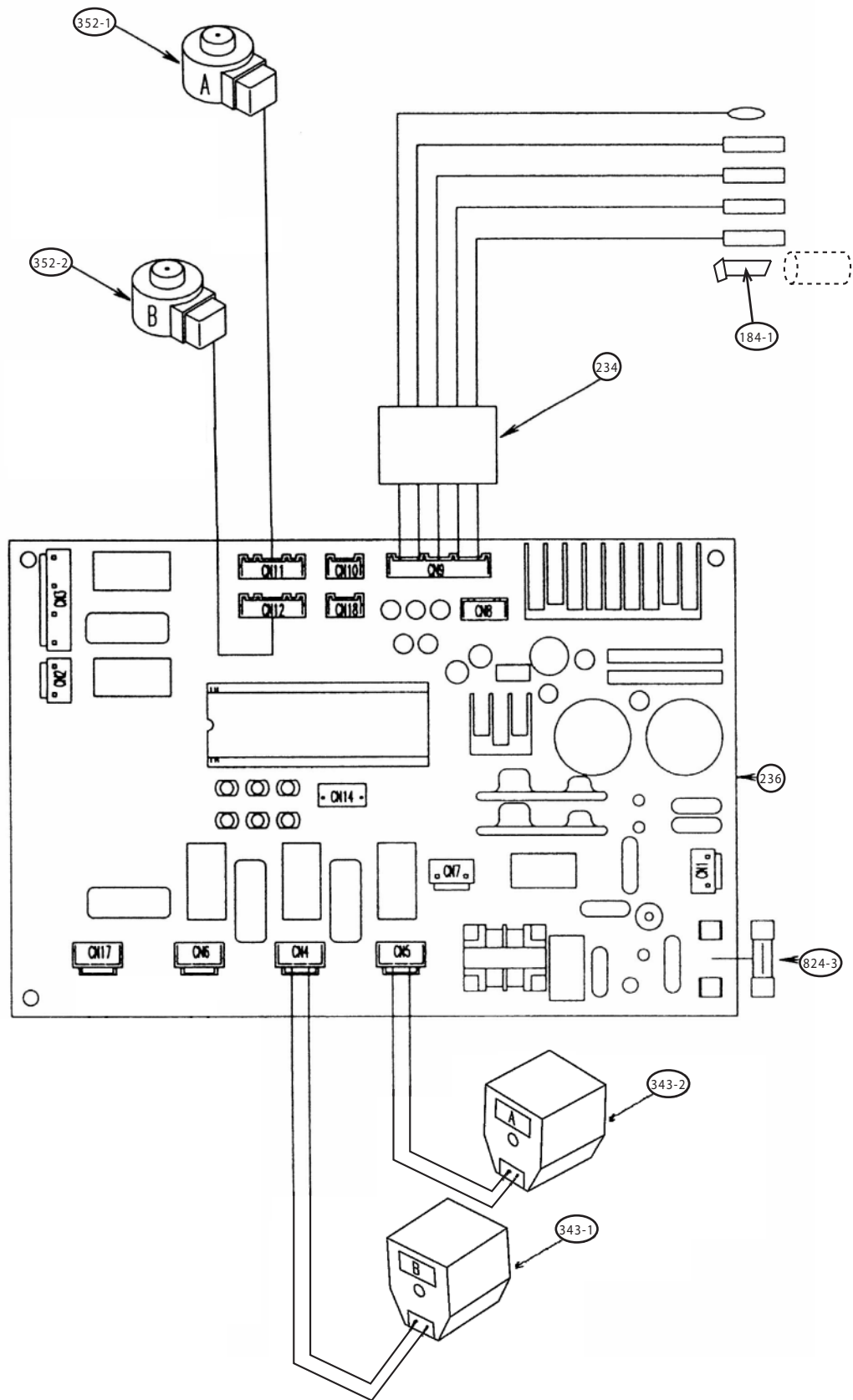




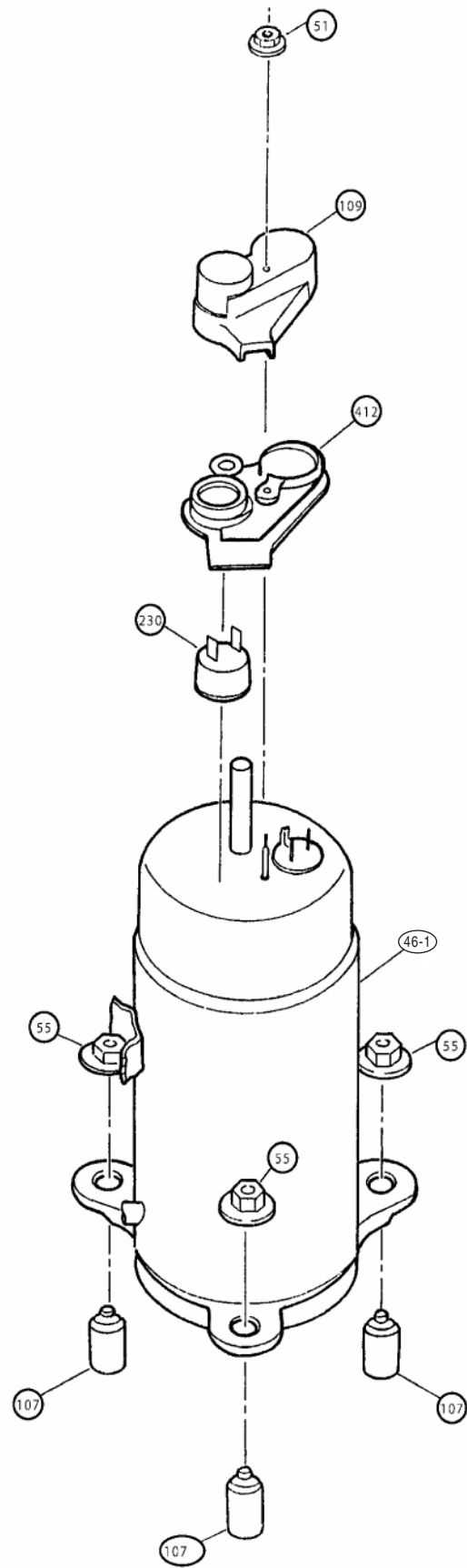








Model : ROM-19UA2



PARTS LIST

INDOOR UNIT

When you order parts, please make a photocopy of this page and fill the number of the parts in the "Order" column.

Ref. No.	Description	Part No.	Ord. Q'ty	Ref. No.	Description	Part No.	Ord. Q'ty
		RSM-9UA				RSM-9UA	
63	Front Panel Assy	9312172085		240	Remote Control Unit	9307113055	
65	Flow Control Panel-Z	9306058043		281	Clamp Metal(Pipe)	9306063009	
69	Louver-A	9306055028		283	Bushing-A	9303529010	
74	Filter	9305444014		323	Louver-B	9306056025	
108	Base	9309755062		385	Indicator PCB Assy	9705296015	
109	Casing	9306052027		401	Wall Hook Bracket	9304358008	
122	Shaft Holder-B	9303066010		440	Flow Control Panel-U	9306057046	
127	Drain Hose Assy	9305550029		522-1	Gear-A	9306062002	
146	Evaporator Assy	9373044017		523	Gear Bracket	9306407001	
151	Control Box	9330007017		652-1	Thermistor Holder Pipe	313714262805	
158	Connecting Pipe Assy	9306416010		668	Screw w/Washer	313681304205	
164	Fan Motor Assy-IN	9601172017		687	Earth Terminal	9330012011	
169	Cross-Flow Fan Assy	9307836015		759-2	Intake Grille-B	9330002029	
178	Motor Cushion-M	9601302018		764	Drain Cap Assy	9304150008	
184	Thermistor Spring	313728262708		767-1	Bottom Cover	9330004016	
185	Wire Clamp	9330015012		777	Clamper(Grille)	9306755010	
196	Clamp SKB-150	313035356905		815	Terminal	9900040055	
233	Power Transformer	9701803026		850	Window (Receiver)	9330003019	
235	Thermistor Assy-Pipe	9702039059		872	Indicator Case	9330009011	
236	Controller PCB Assy	9705289055		873	Lamp Cover	9330014015	
				874	Control Box Cover	9330008014	
				875	Power Supply PCB Assy	9705294011	
				876	Step Motor	9900139018	
				962-1	Guard Holder-L	9306678012	
				962-2	Guard Holder-R	9306677015	
				963	Fan Guard	9305751013	

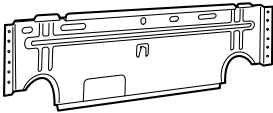
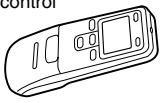
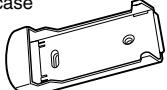
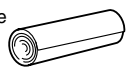
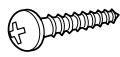
OUTDOOR UNIT

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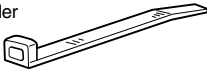
Ref. No.	Description	Part No.	Ord. Q'ty	Ref. No.	Description	Part No.	Ord. Q'ty
		ROM-19UA2				ROM-19UA2	
2	Fan Cover	9359808015		210	Main Relay	9356781007	
4	Emblem "FUJI"	9361328006		230	Ocr assy (MRA99134-9201)	9311143000	
5	Cabinet-A, Painted	9359797043		233	Power Transformer	9701156016	
6	Cabinet-C, Painted	9359825029		234	Thermistor Assy	9900123017	
9	Cabinet-B, Painted	9359824022		236	Controller PCB Assy	9702766030	
12	Base Assy, Painted	9359813019		328	Compressor Plate Assy	9359830030	
13-1	3-Way Valve	9372205044		343-1	Solenoid Coil-A	9900165055	
14-2	2-Way Valve	9372204054		343-2	Solenoid Coil-B	9900165062	
15	Strainer Assy	9366602019		344-2	4-Way Valve	9900162016	
16	Condenser Assy	9372662014		352-1	Expansion Coil-A	9970021015	
18-1	Suction Pipe-A Assy	9372996515		352-2	Expansion Coil-B	9970021022	
18-2	Suction Pipe-B Assy	9372996522		401	Terminal-2P	9701971015	
26	Compressor Cover A	9364595009		412	Terminal Gasket (For Comp.)	9351505011	
29	Separate Wall	9359805014		450-2	Discharge Pipe-A Assy	9372996010	
32-4	Control Box Metal-D	9361247000		450-3	Discharge Pipe-B Assy	9372996058	
32-5	Control Box Metal-E	9361248007		477	Bellmouth	9359809012	
32-6	Control Box Metal-F	9361249004		527	Protective Net	9359845010	
34	Capacitor (Fan Motor)	9703306051		646	NOISE INSULATION B	9355788007	
37-1	Running Capacitor	9704436139		653-1	CUPSCREW	9385089020	
38	Clamp Metal (Capacitor)	9352123009		678	Bracket (Thermistor)	9367369010	
39	Propeller Fan	9359837015		734	Top Plate, Painted	9359799023	
41-1	Fan Motor Induction-Out (MFB-30DFT)	9600832011		812	Grip	9352157004	
41-2	Fan Motor Induction-Out (MFB-30NTAT)	9601754015		815-1	Terminal-3P	9358660027	
45-3	Motor Bracket-A	9369627002		815-3	Terminal-8P	9358660119	
45-4	Motor Bracket-B	9371439013		823-2	Fuse Holder	0500063024	
45-5	Motor Bracket-C	9369629006		824-3	Fuse (3.15A-250V)	0600222512	
45-6	Motor Bracket-D	9369630002		824-4	Fuse (5A-250V)	0600222529	
45-7	Motor Bracket center da	9373076018		825-1	Expansion Valve-A Assy	9360821065	
46-1	Compressor Assy	9373010029		825-2	Expansion Valve-B Assy	9360822062	
51	Special Nut (For Comp.)	313199233602		827	Capillary-A Assy	9360814128	
55	Special Nut M8 (For Comp.)	9355091008		828	Capillary-B Assy	9360815132	
64	Cabinet-Left, Painted	9359840046		829-2	MUFFLER A SUB ASSY	9373022015	
84	Valve Cover	9359834014		829-5	2 WAY VALVE PIPE A1	9372996362	
85	Valve Plate Assy, Painted	9361251021		830-2	MUFFLER B SUB ASSY	9373023012	
107	Rubber Seat (For Comp.)	9351507015		830-5	2 WAY VALVE PIPE B1	9372996386	
109	Terminal Cover (For Comp.)	9302419008		838-1	INLET PIPE A ASSY	9360832047	
117-3	Hex. Nut	301721180114		838-2	DISCHARGE PIPE A3	9372996041	
149	Water Seal Plate	9359841029		840-1	INLET PIPE B ASSY	9360833044	
165	Surge Absorber	9702968014		840-2	DISCHARGE PIPE B3	9372996089	
184-1	Thermo. Spring-A	313728262708		982-1	Cord Clamp	9356857009	
185	Rubber Bushing	313005066051		982-2	Cord Clamp-B	9356858006	
187	Clamp No. 1219	313361271706		990-1	SUCTION PIPE A3	9372996423	
				990-2	SUCTION PIPE A4	9372996430	
				991-1	SUCTION PIPE B3	9372996461	
				991-2	SUCTION PIPE B4	9372996478	

STANDARD ACCESSORIES

INDOOR UNIT ACCESSORIES

Name and Shape	Q'ty	Part No.
		RSM-9UA
Wall hook bracket 	1	9304358008
Wall cap-B 	1	313714296205
Remote control unit 	1	9307991059 (AR-DB5)
Battery (penlight) 	1 set	0600185534
Remote control unit holder case 	1	9305642014
Cloth tape 	1	9308117007
Tapping screw (big) ($\phi 4 \times 25$) 	8	0700076046
Tapping screw (small) ($\phi 3 \times 12$) 	2	0700019036

OUTDOOR UNIT ACCESSORIES

Name and Shape	Q'ty	Part No.
Binder 	2	312300787605
Putty 	1	303020200114
Hexagon wrench 	1	9351228019
Drain pipe 	1	9303029015
Drain cap 	2	313166024302

