



ROOM AIR CONDITIONER
RK SERIES
(50Hz)

**SERVICE
MANUAL**

Models RK-7FB
 RK-9FB
 RK-9UA



C O N T E N T S

SPECIFICATIONS	1
CIRCUIT DIAGRAM	2
MICROCOMPUTER CONTROL CIRCUIT	4
DISASSEMBLY ILLUSTRATION	5
PARTS LIST.....	13

SPECIFICATIONS

MODEL		RK-7FB	RK-9FB	RK-9UA
COOLING CAPACITY	(KW)	2.15	2.55	2.60
HEATING CAPACITY	(KW)	—	—	2.85

ELECTRICAL DATA

POWER SOURCE (V)		230		
FREQUENCY (Hz)		50		
RUNNING CURRENT (A)	COOLING	3.8	4.7	4.3
	HEATING	—	—	3.8
INPUT WATTS (kW)	COOLING	0.81	0.99	0.97
	HEATING	—	—	0.88
E.E.R. (kW/kW)	COOLING	2.65	2.57	2.68
	HEATING	—	—	3.24

COMPRESSOR

TYPE		Hermetic type, Rotary type		
DISCRIMINATION		802-100-35	802-284-35	
POWER SOURCE		220 - 240V 50Hz	220 - 240V 50Hz	
REFRIGERANT	R-410A (g)	380	540	520

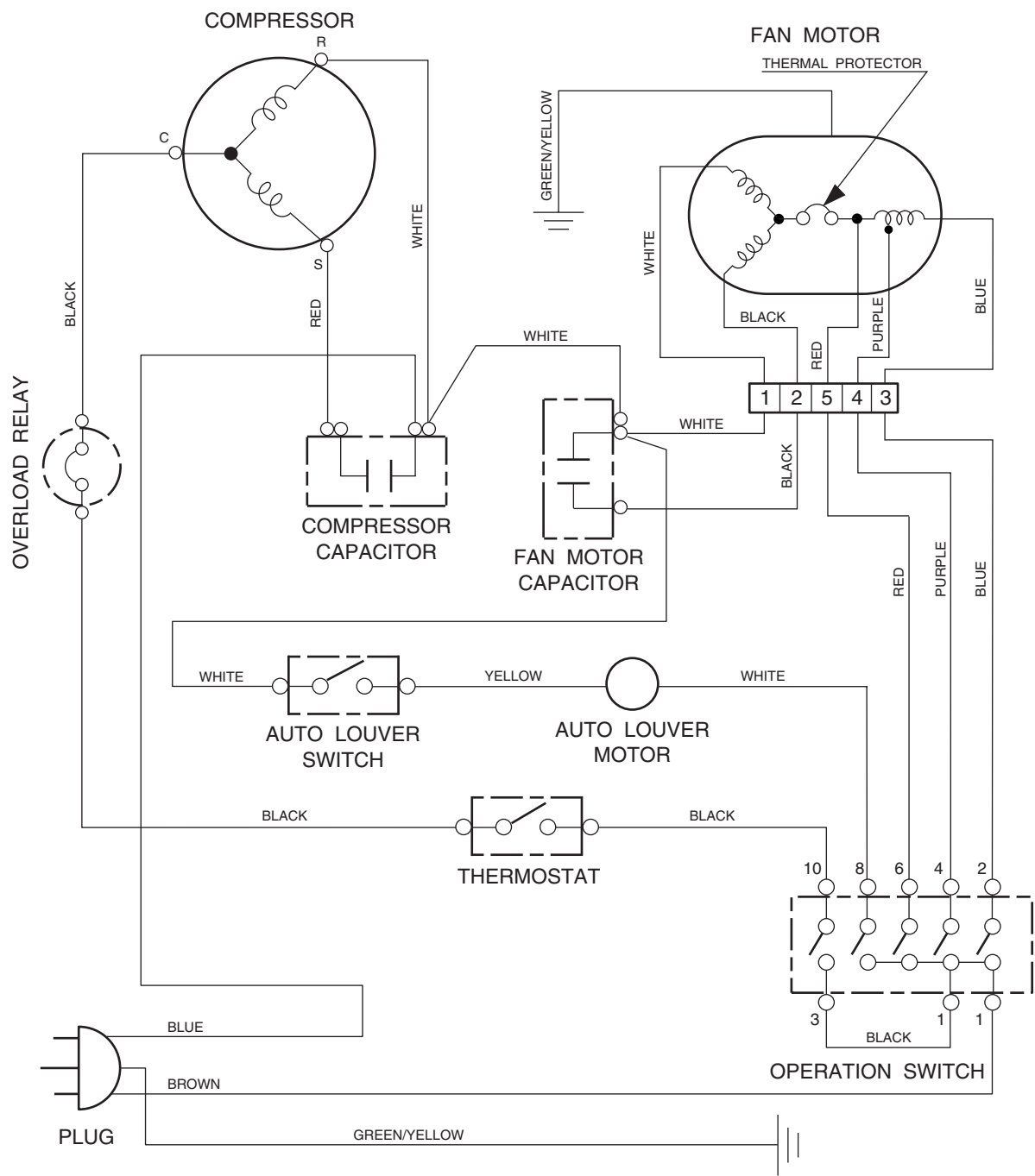
FAN MOTOR

DISCRIMINATION	MFC-10JTT		
POWER SOURCE	220 - 240V 50Hz		
HIGH SPEED	(r.p.m.)	1,050	
SUPER QUIET	(r.p.m.)	680	

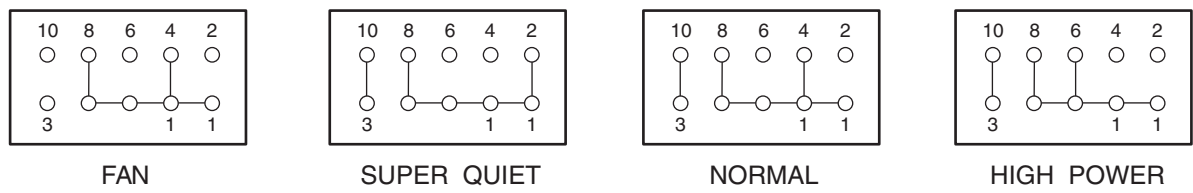
DIMENSIONS	H x W x D	(mm)	349 x 457 x 581		
WEIGHT	GROSS / NET	(kg)	34 / 30	37 / 33	39 / 36

CIRCUIT DIAGRAM

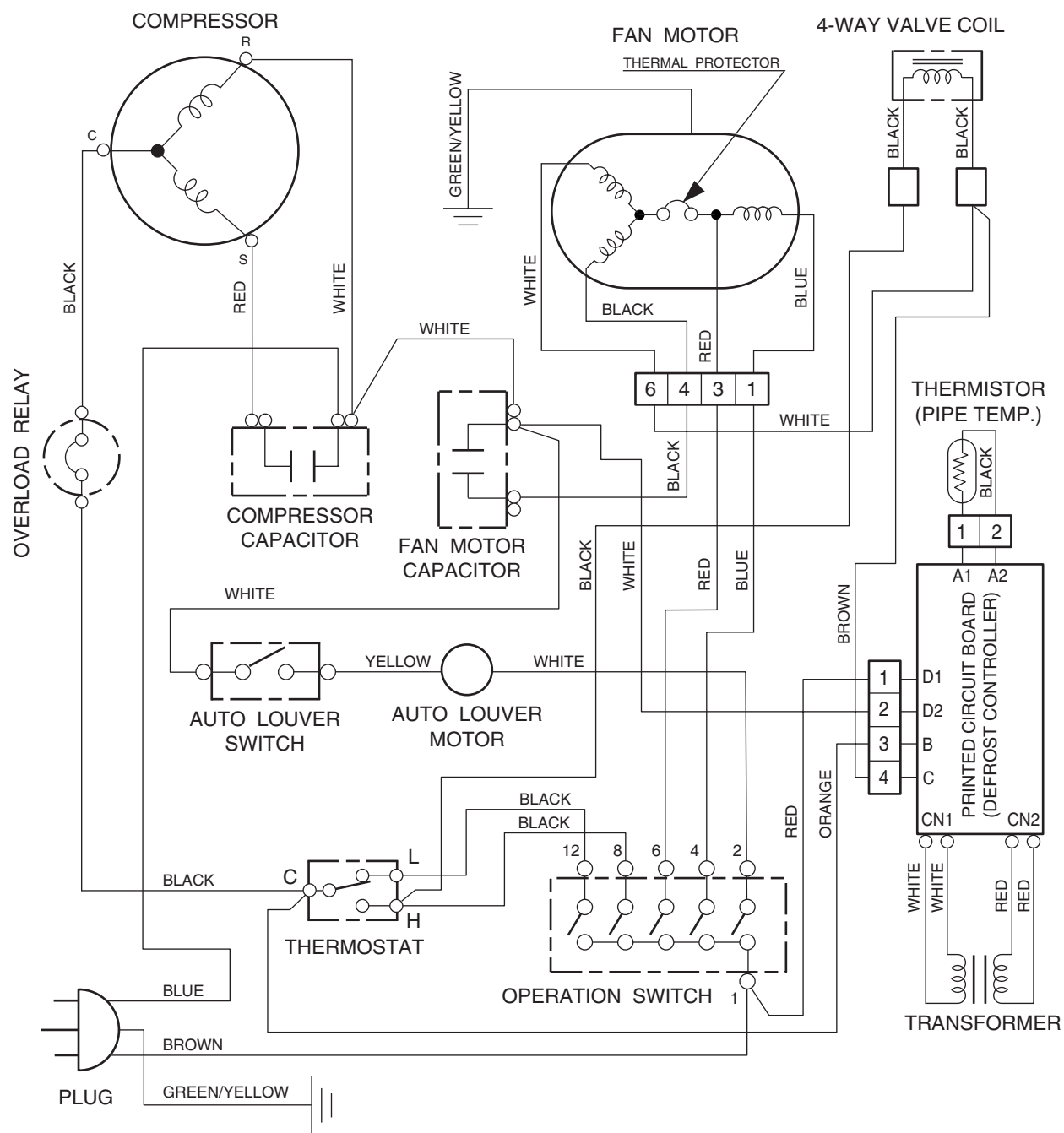
Models : RK-7FB
RK-9FB



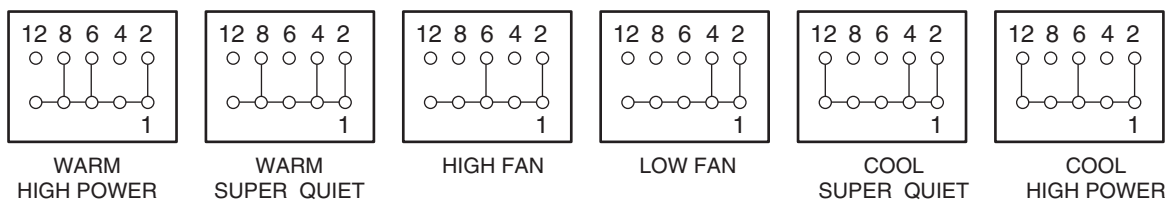
OPERATION SWITCH INTERNAL CONNECTIONS



Model : RK-9UA



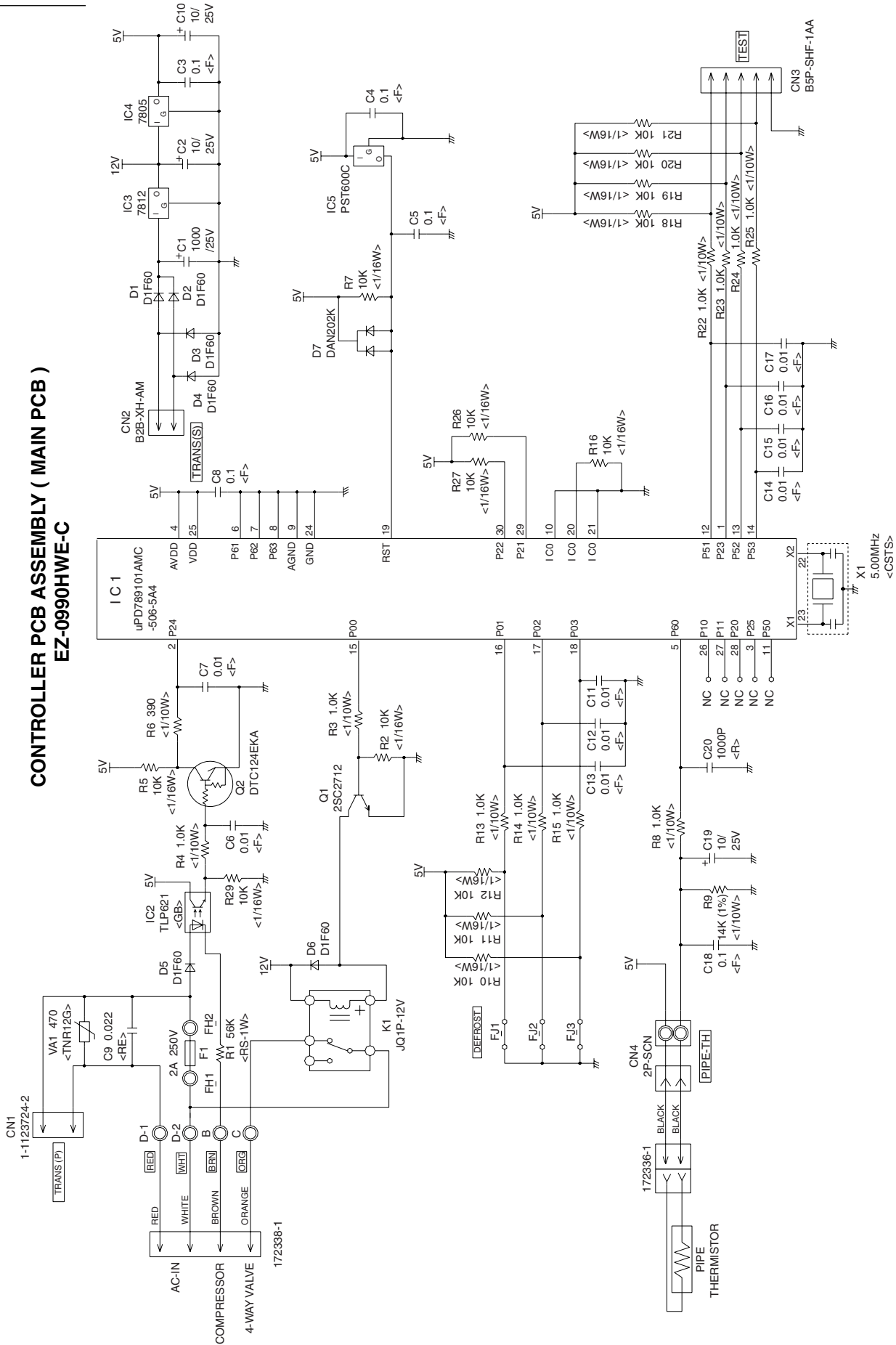
OPERATION SWITCH INTERNAL CONNECTIONS



MICROCOMPUTER CONTROL CIRCUIT

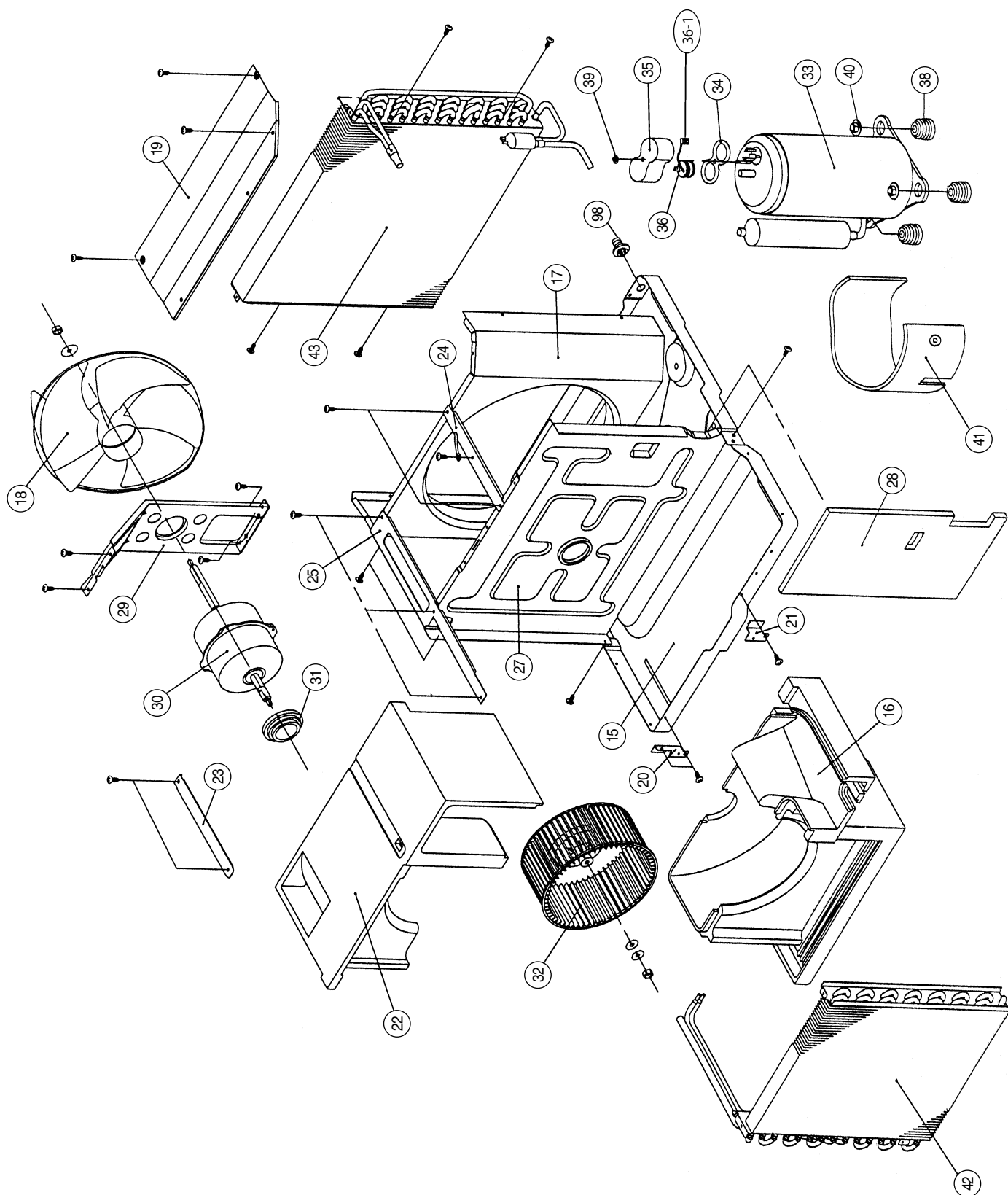
Model : RK-9UA

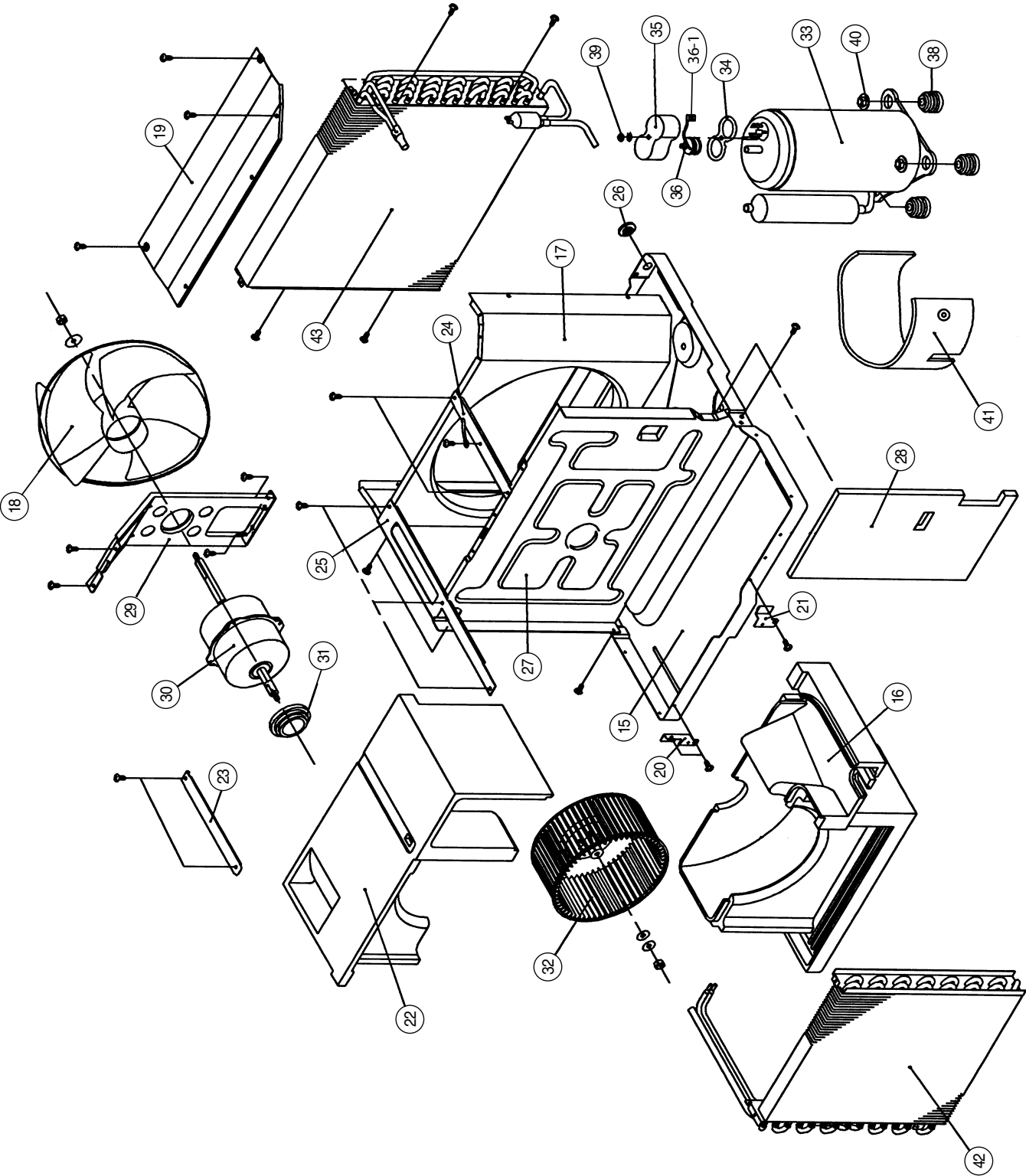
CONTROLLER PCB ASSEMBLY (MAIN PCB)
EZ-0990HWE-C



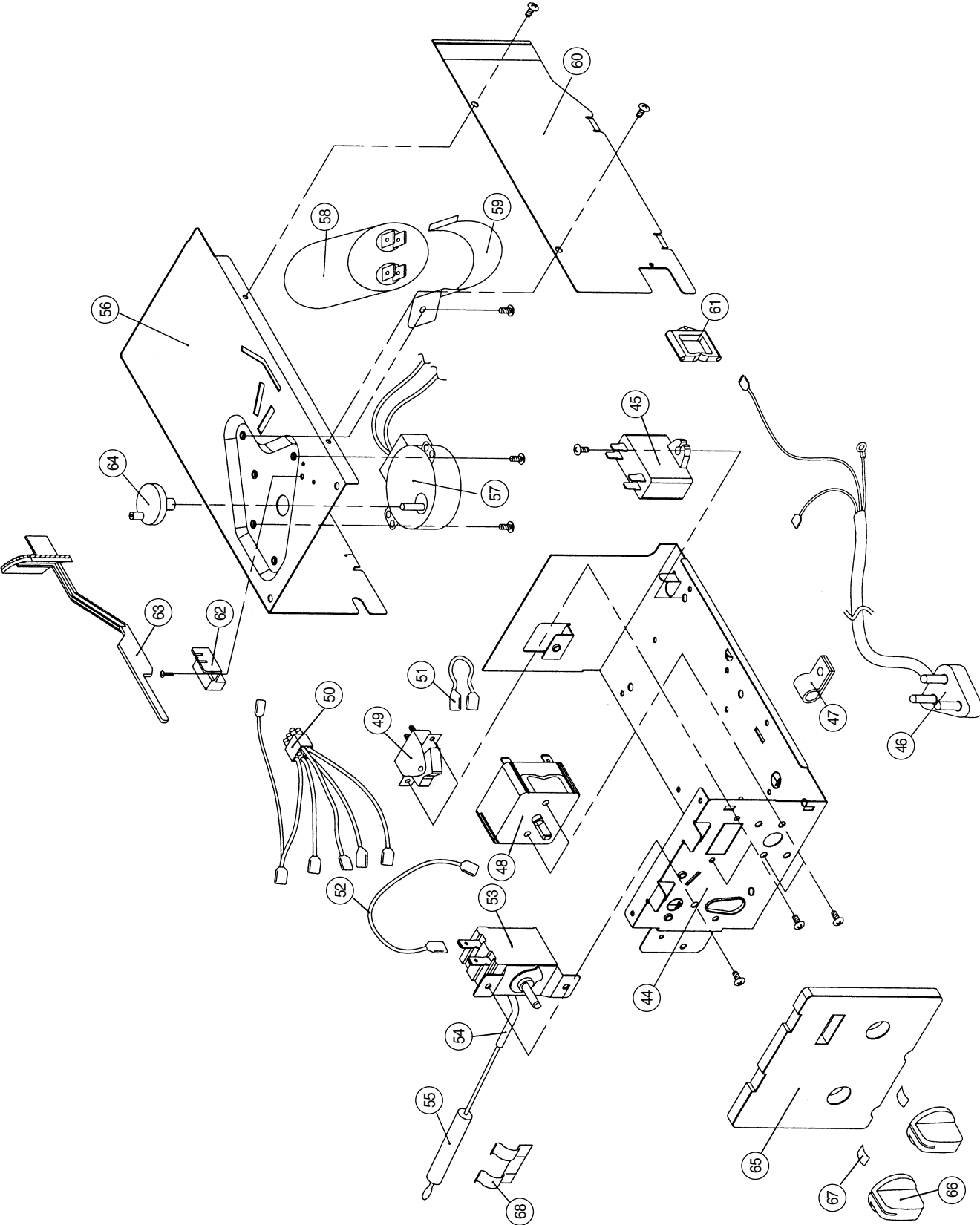
DISASSEMBLY ILLUSTRATION

Models : RK-7FB
RK-9FB

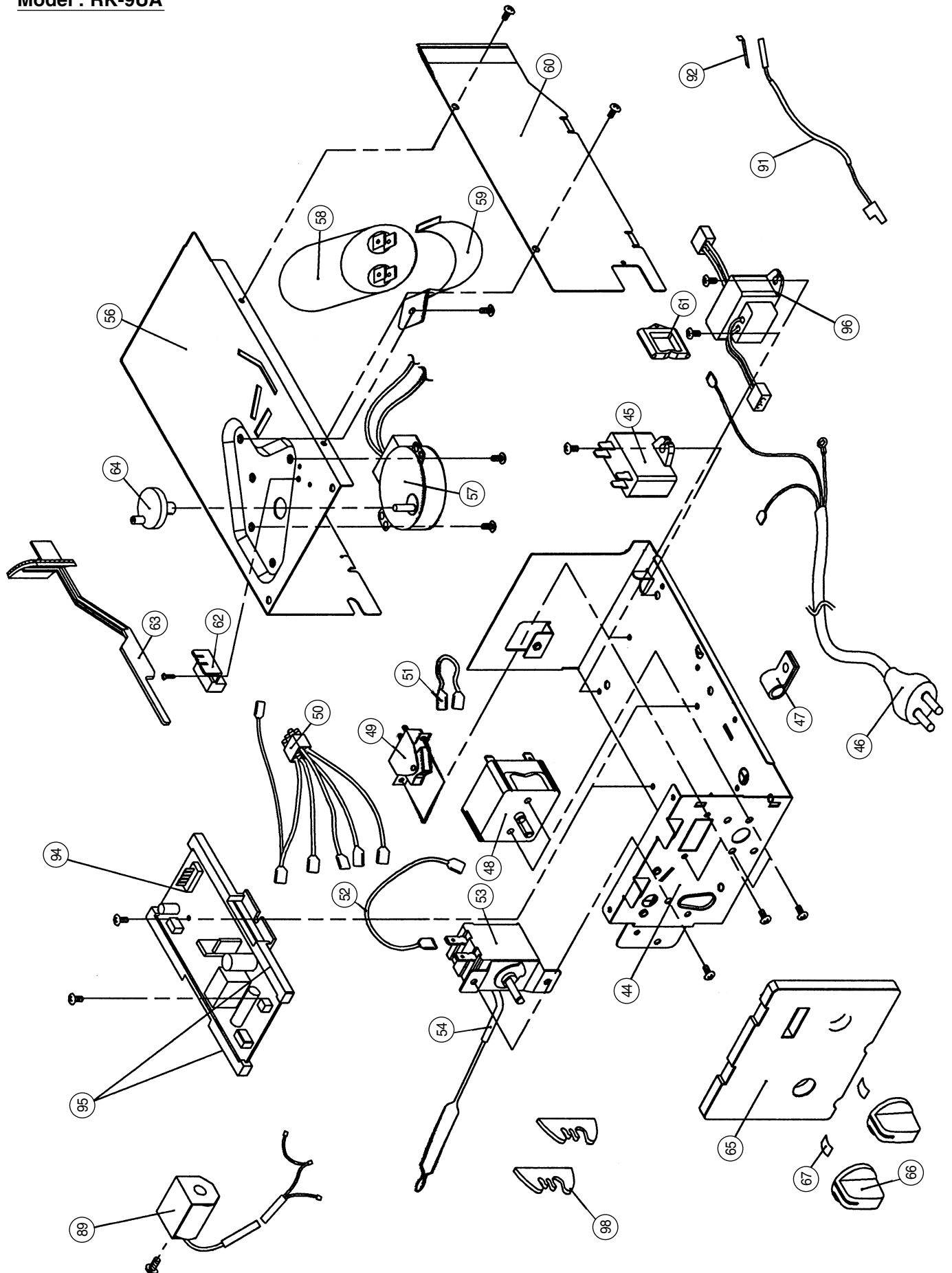




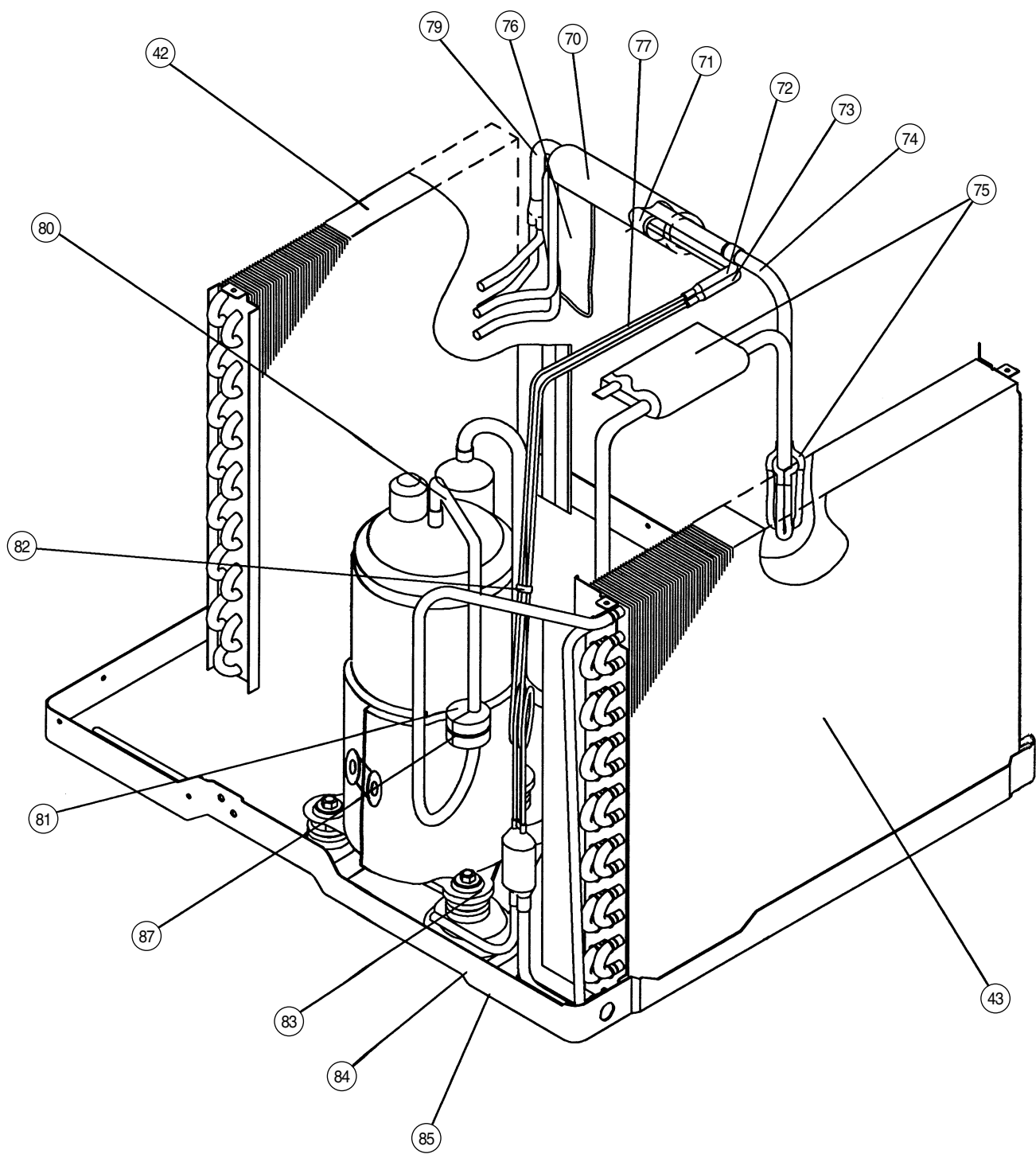
Models :RK-7FB
RK-9FB



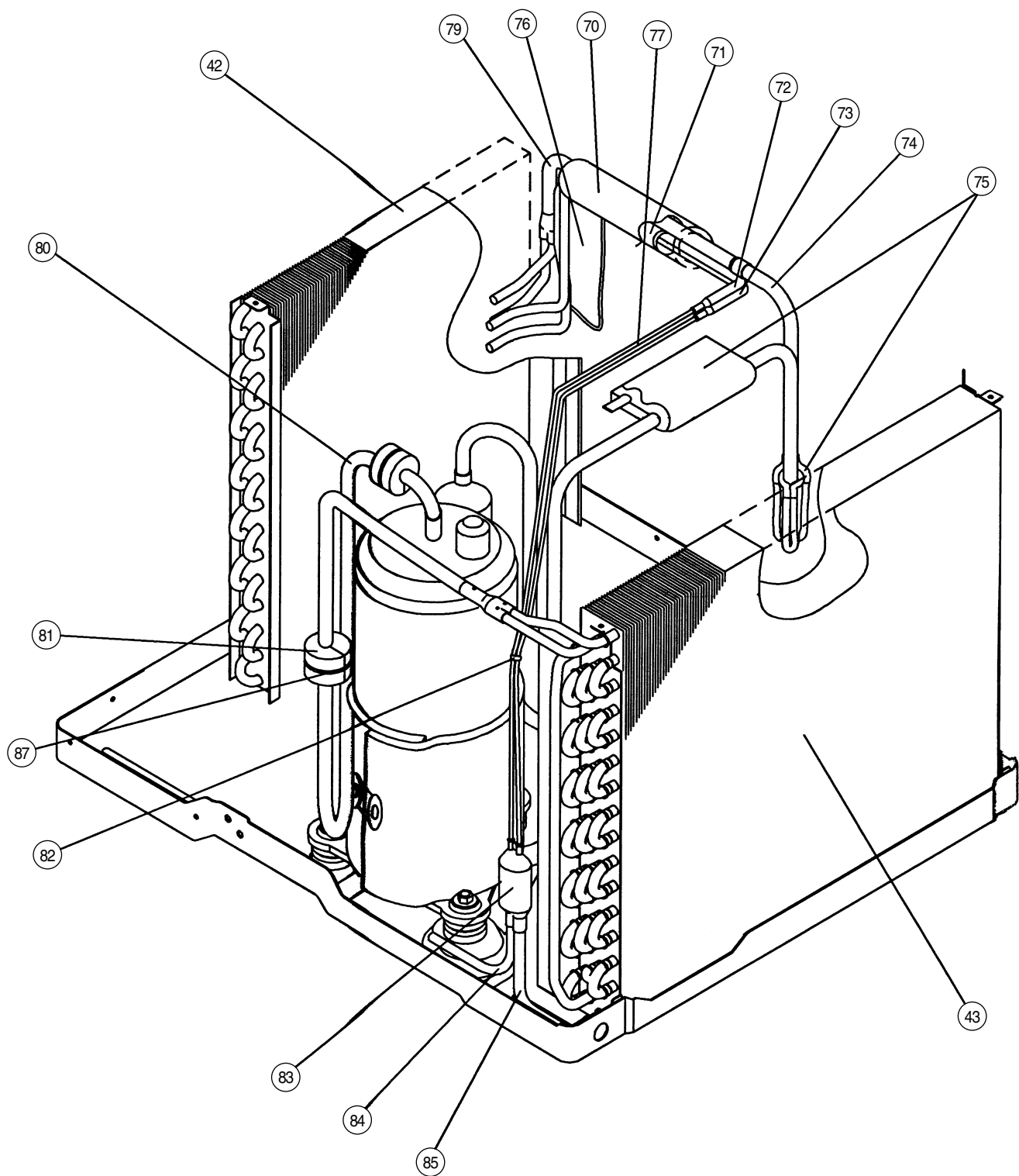
Model : RK-9UA



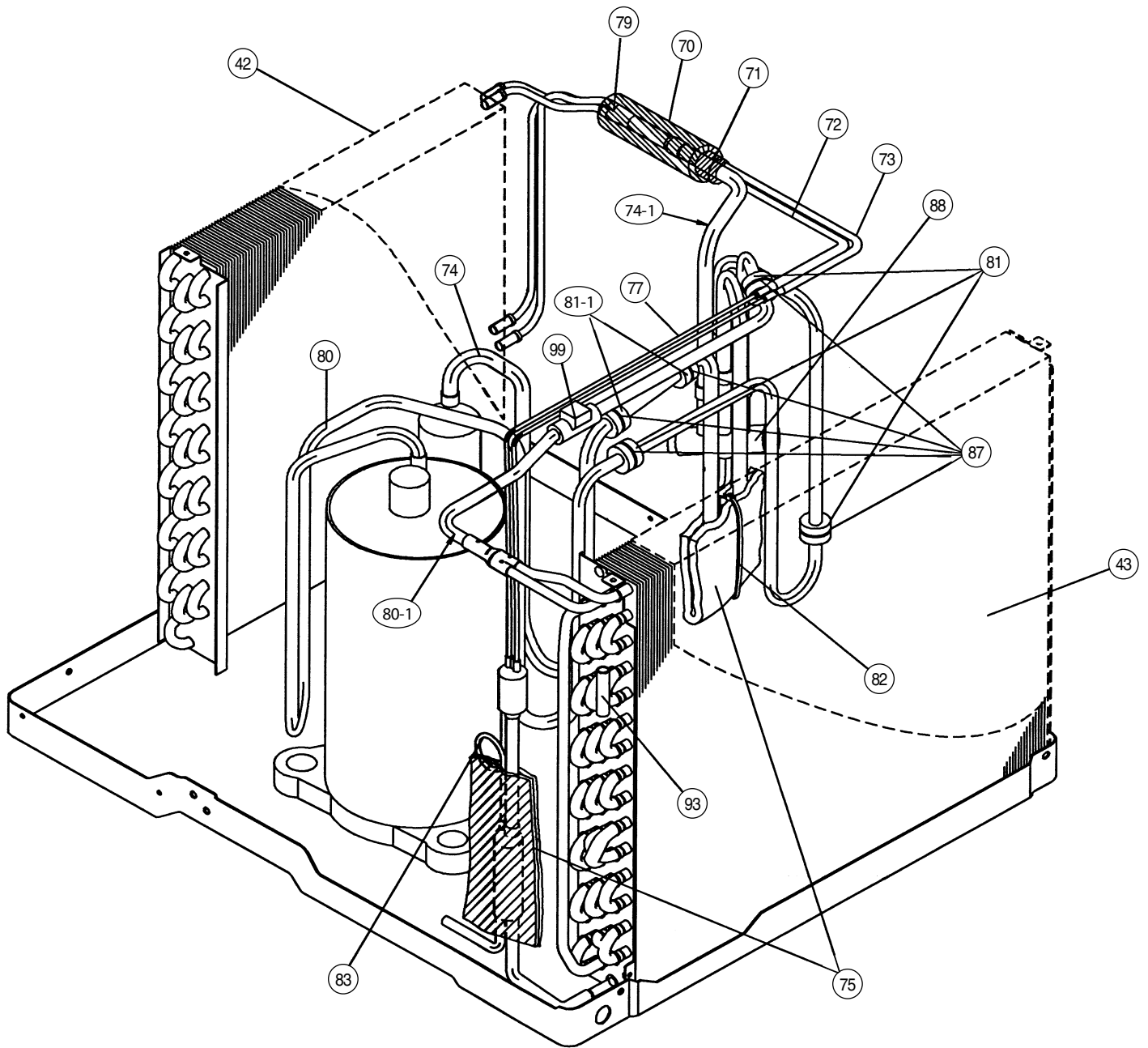
Model : RK-7FB



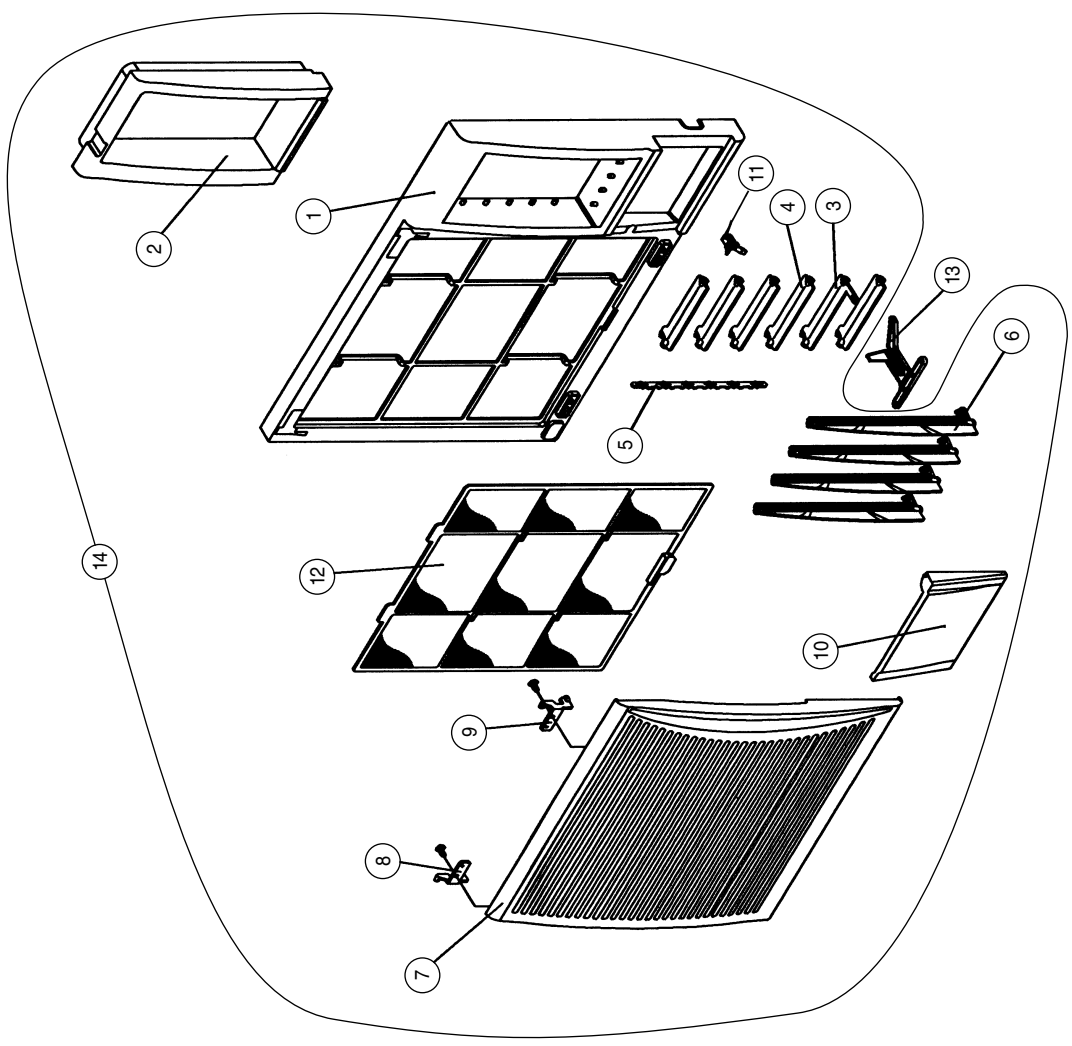
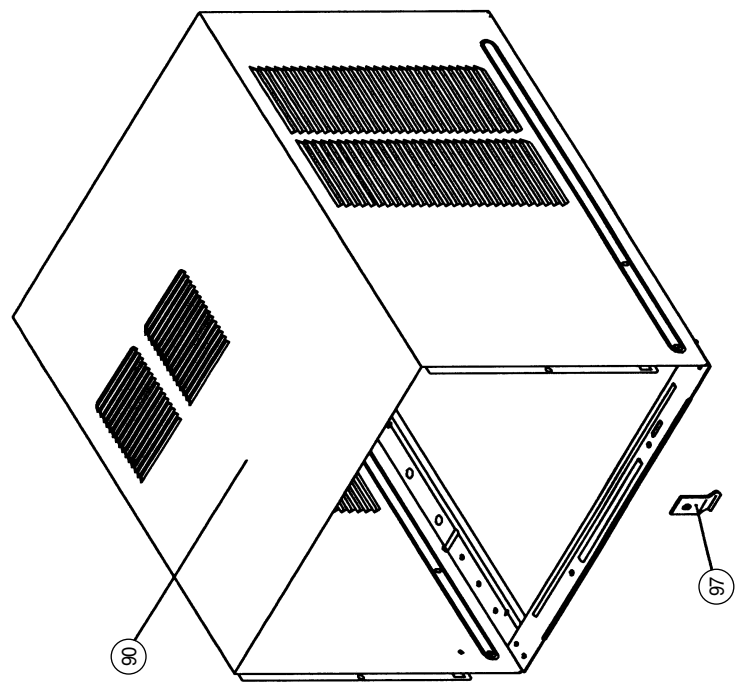
Model : RK-9FB



Model : RK-9UA



Models : RK-7FB
RK-9FB
RK-9UA



PARTS LIST

CABINET & CHASSIS PARTS

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
		RK-7FB	RK-9FB				RK-7FB	RK-9FB	
14	Front Panel Assy	9385165076	9385165076		53	Thermostat	9704193001	9704193001	
15	Base Assy	9385143135	9385143111		54	Protection Tube (Thermostat)	313310060308	313310060308	
16	Lower Casing	9385061002	9385061002		55	Thermostat Holder	313616262803	313616262803	
17	Wind Guide Board	9385055001	9385055001		56	Control Box-B	9385044005	9385044005	
18	Propeller Fan	9371012018	9371012018		57	Super Wave Motor	9900167011	9900167011	
19	Cover (Wind Guide Board)	9385090002	9385090002		58	Capacitor, Plastic	9704436054	9704436078	
20	Evaporator Fixture-A	9385074002	9385074002		59	Band (Capacitor)	313106061706	313306061707	
21	Evaporator Fixture-B	9385075009	9385075009		60	Control Box-C	9385045002	9385045002	
22	Upper Casing	9385060005	9385060005		61	Edge Saddle	9385149007	9385149007	
23	Reinforcement (Casing)-A	9385057005	9385057005		62	Holder (Exhaust Dumper)	9385041004	9385041004	
24	Fixture (Out)	9385059009	9385059009		63	Exhaust Dumper	9385084001	9385084001	
25	Fixture (In)	9385282001	9385282001		64	Louver Arm	9385052000	9385052000	
27	Separate Wall	9385056008	9385056008		65	Switch Panel	9371001043	9371001043	
28	S-Ins (Separate)	9385127005	9385127005		66	Knob	9358105061	9358105061	
29	Bracket (Motor)	9385047006	9385047006		67	Knob Spring	313008061010	313008061010	
30	Motor, Induct	9601504030	9601504030		68	Thermo. Spring-A	313668262714	313668262714	
31	Buffer, Rubber	9385098008	9385098008		70	Ins. (Pipe)	9385129009	9385129009	
32	Sirroco Fan	9358107010	9358107010		71	BR Sheet	313612108209	313612108209	
33	Compressor Assy	9370859003	9373112013		72	Inlet Pipe (Eva.)-A	9385093003	9385093003	
34	Cover (Gasket)	9351933012	9351921019		73	Inlet Pipe (Eva.)-B	9385094000	9385094000	
35	Terminal Cover (For Comp.)	9351932015	9351920012		74	Suction Pipe Assy	9385415034	9385415010	
36	OCR Assy	9362307000	9307750007		75	BR Sheet-B	9351990022	9351990022	
36-1	Wire (OCR) Assy	9350306022	9350306022		76	BR Sheet	313102108205	313102108205	
38	Rubber Seat-A	9370024005	9351813017		77	Capillary Tube	9385416031	9385416017	
39	Nut	9370023008	313199233602		79	Outlet Pipe (Eva.) Assy	9385174009	9385174009	
40	Special Nut	9359357001	9359357001		80	Discharge Pipe	9385417021	9385417014	
41	Cover (Comp.)	9385429024	9385071001		81	Cushion (Discharge Pipe)	313202086308	313202086308	
42	Evaporator Assy	9385077010	9385077010		82	BNR-C	313361275805	313361275805	
43	Condenser Assy	9385161023	9385082021		83	Strainer	9366685012	9366685012	
44	Control Box-A	9385043008	9385043008		84	Air Duct Pipe-E	9366687009	9366687009	
45	Capacitor, Plastic	9703306174	9703306174		85	Cond. Pipe	9385439016	9385439016	
46	Power Cord	9900053055	9900053055		87	Wire (BIND.)	313668348703	313668348703	
47	Clamp (Cord) 1.5AK	9363471007	9363471007		90	Cabinet Sub Assy	9385145023	9385145023	
48	Operation Switch	313851060108	313851060108		97	Typhoon Lock	9355799003	9355799003	
49	Switch, Seesaw	9354272002	9354272002		98	Drain Tube	9385046009	9385046009	
50	Wire (Connector)	9385106000	9385106000						
51	Wire (Operation Switch)	9356513011	9356513011						
52	Wire (Thermostat)	9356512014	9356512014						

CABINET & CHASSIS PARTS

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Ref. No.	Description	Part No.	Ord. Q'ty
		RK-9UA	
14	Front Panel Assy	9385165076	
15	Base Assy	9385143128	
16	Lower Casing	9385061002	
17	Wind Guide Board	9385055001	
18	Propeller Fan	9371012018	
19	Cover (Wind Guide Board)	9385090002	
20	Evaporator Fixture-A	9385074002	
21	Evaporator Fixture-B	9385075009	
22	Upper Casing	9385060005	
23	Reinforcement (Casing)-A	9385057005	
24	Fixture (Out)	9385059009	
25	Fixture (In)	9385282001	
26	Drain Cap	9385115002	
27	Separate Wall	9385056008	
28	S-Ins (Separate)	9385127005	
29	Bracket (Motor)	9385047006	
30	Motor, Induct	9601504030	
31	Buffer, Rubber	9385098008	
32	Sirroco Fan	9358107010	
33	Compressor Assy	9373112013	
34	Cover (Gasket)	9351921019	
35	Terminal Cover (For Comp.)	9351920012	
36	OCR Assy	9307750007	
36-1	Wire (OCR) Assy	9350306022	
38	Rubber Seat-A	9351813017	
39	Nut	313199233602	
40	Special Nut	9359357001	
41	Cover (Comp.)	9385429017	
42	Evaporator Assy	9385359017	
43	Condenser Assy	9385082038	
44	Control Box-A	9385043008	
45	Capacitor, Plastic	9703306174	
46	Power Cord	9900053055	
47	Clamp (Cord) 1.5AK	9357884004	
48	Operation Switch	9351214029	
49	Switch, Seesaw	9354272002	
50	Wire-A Assy	9385434004	
51	Wire-B Assy	9358402009	
52	Wire (Thermostat)	9356512014	
53	Thermostat	9354392007	
54	Protection Tube (Thermostat)	313152149608	
56	Control Box-B	9385044005	
57	Super Wave Motor	9900167011	
58	Capacitor, Plastic	9704436078	
59	Band (Capacitor)	313306061707	
60	Control Box-C	9385045002	
61	Edge Saddle	9385149007	
62	Holder (Exhaust Dumper)	9385041004	
63	Exhaust Dumper	9385084001	
64	Louver Arm	9385052000	

Ref. No.	Description	Part No.	Ord. Q'ty
		RK-9UA	
65	Switch Panel	9371001050	
66	Knob	9358105023	
67	Knob Spring	313008061010	
68	Thermo. Spring-A	313668262714	
70	Ins. (Pipe)	9385129009	
71	BR Sheet	313612108209	
72	Inlet Pipe (Eva.)-A	9385370005	
73	Inlet Pipe (Eva.)-B	9385371002	
74	Suction Pipe Assy	9385415027	
74-1	Suction Pipe-B	9385365001	
75	BR Sheet-B	9351990022	
77	Capillary Tube	9385416048	
79	Outlet Pipe (Eva.) Assy	9385367012	
80	Discharge Pipe	9385422018	
80-1	Discharge Pipe-C	9385366008	
81	Cushion (Discharge Pipe)	313202086308	
81-1	Rubber (Discharge Pipe)	313155086308	
82	BNR-C	313361275805	
83	Capillary Assy	9385424012	
87	Wire (BIND.)	313668348703	
88	4-Way Valve	9900162016	
89	Solenoid	9970024016	
90	Cabinet Sub Assy	9385145016	
91	Heat Exchanger Thermistor	9900036010	
92	Thermistor Spring-A	313728262708	
93	Thermistor Holder Pipe	313714262805	
94	Controller PCB Assy	9703103018	
95	PCB Mount-B	313195313553	
96	Transformer, Power	9900205010	
97	Typhoon Lock	9355799003	
98	Fixture-B	9385143128	

FRONT PANEL PARTS

Ref. No.	Description	Part No.	Ord. Q'ty
		RK-7FB RK-9FB RK-9UA	
1	Front panel	-> Ref.14	
2	H-INS (F. Panel) E	9370794007	
3	Louver-A	9370646016	
4	Louver-B	9370647013	
5	Link (Louver) A	9370649017	
6	Louver-C	9370648010	
7	Intake Grill	9370644043	
8	Shaft-A	9370653014	
9	Shaft-B	9370654011	
10	Door	9370645019	
11	Catcher	9356626001	
12	Filter Assy	9370652017	
13	Link (Louver) B	9370650013	

