

SERVICE
MANUAL

Models:
RF-16FA
RF-16UA



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SPECIFICATIONS

MODEL		RF-16FA	RF-16UA
COOLING CAPACITY	(kW)	4.65	4.55
HEATING CAPACITY	(kW)	----	4.30

ELECTRICAL DATA

POWER SOURCE	(V)	230	
FREQUENCY	(Hz)	50	
RUNNING CURRENT	COOLING	7.8	8.0
	HEATING	----	7.2
STARTING CURRENT	(A)	38	38
INPUT WATTS	COOLING	1.76	1.81
	HEATING	----	1.62
E.E.R.	COOLING	2.64	2.51
	HEATING	----	2.65
FUSE	(A)	15	

COMPRESSOR

TYPE	Hermetic type, Permanent split condenser, 2 pole, Single phase, Induction motor		
DISCRIMINATION	5KS205DAG01		
REFRIGERANT (R410A)	(g)	980	1,100

FAN MOTOR

POWER SOURCE	(V)	220 - 240V 50Hz	
DISCRIMINATION		MFC-18WTT	
HI-POWER	(r.p.m.)	1,060	
QUIET	(r.p.m.)	850	

DIMENSIONS

H x W x D	(mm)	400 x 660 x 633	
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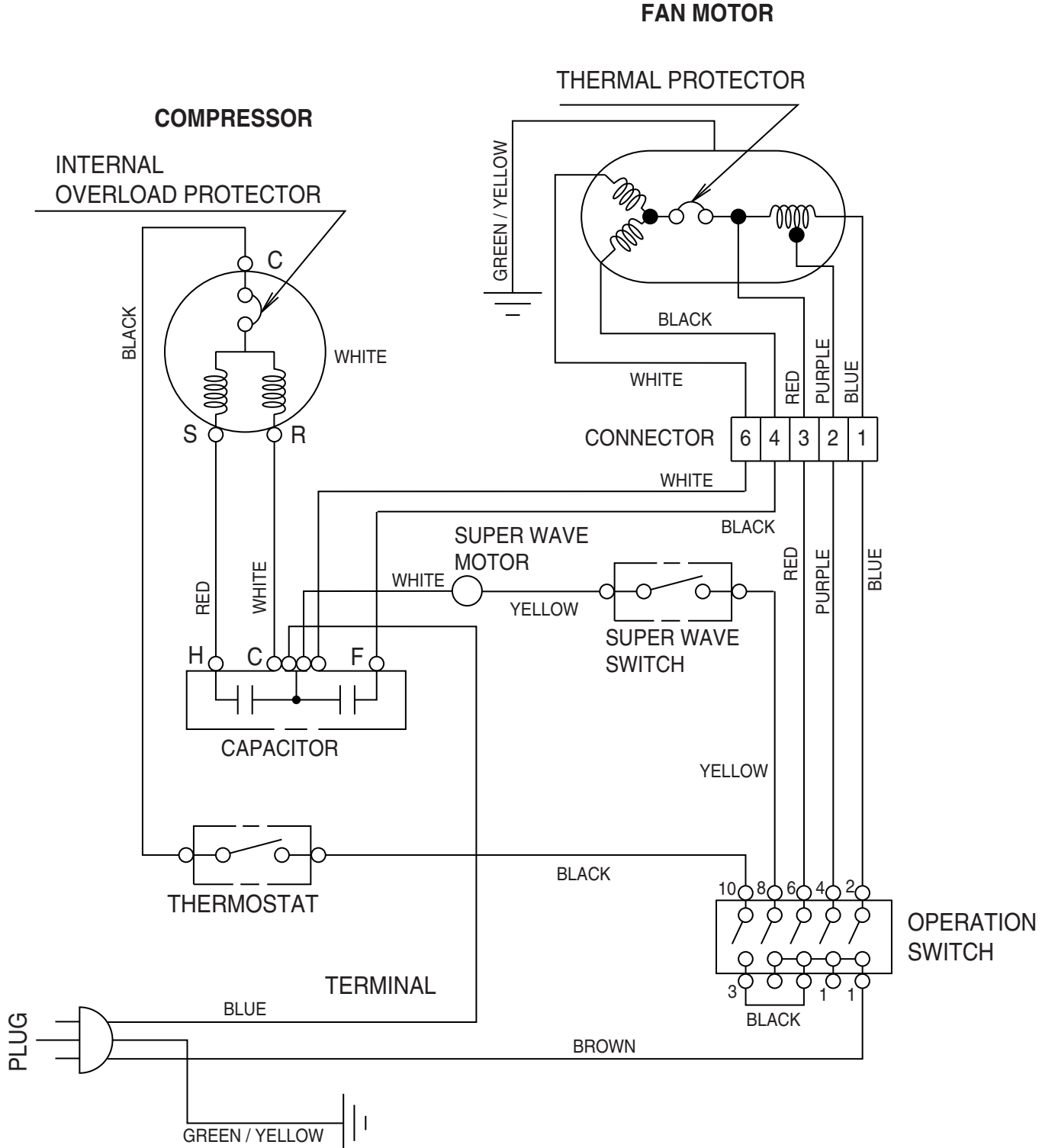
WEIGHT

GROSS / NET	(kg)	66 / 59	68 / 61
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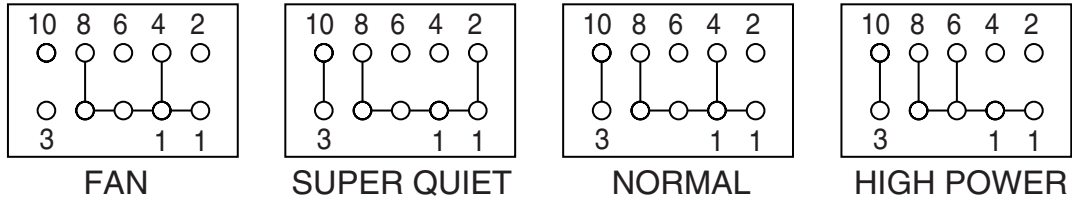
MOISTURE REMOVAL	(ℓ /hr)	2.1	2.1
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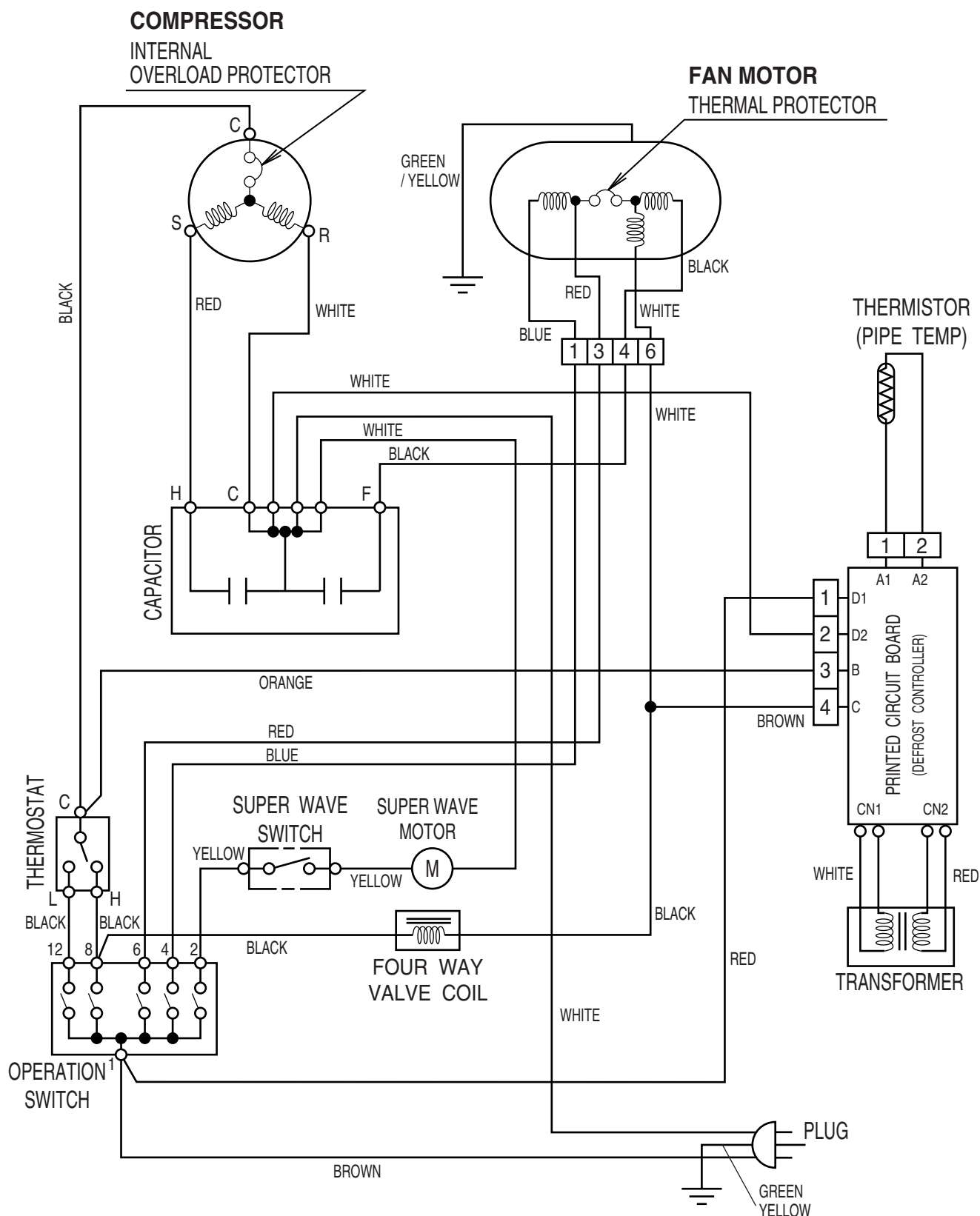
CIRCUIT DIAGRAM

Model : RF-16FA

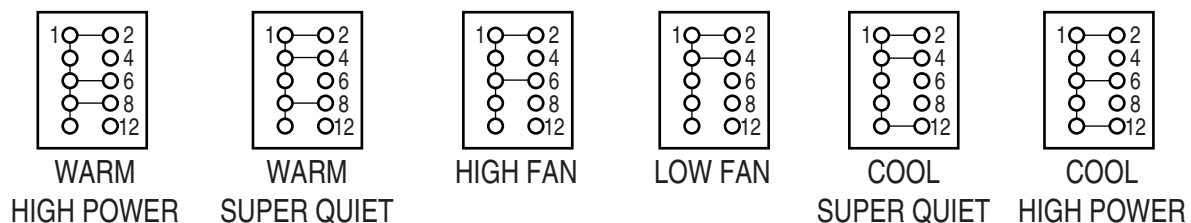


OPERATION SWITCH INTERNAL CONNECTIONS



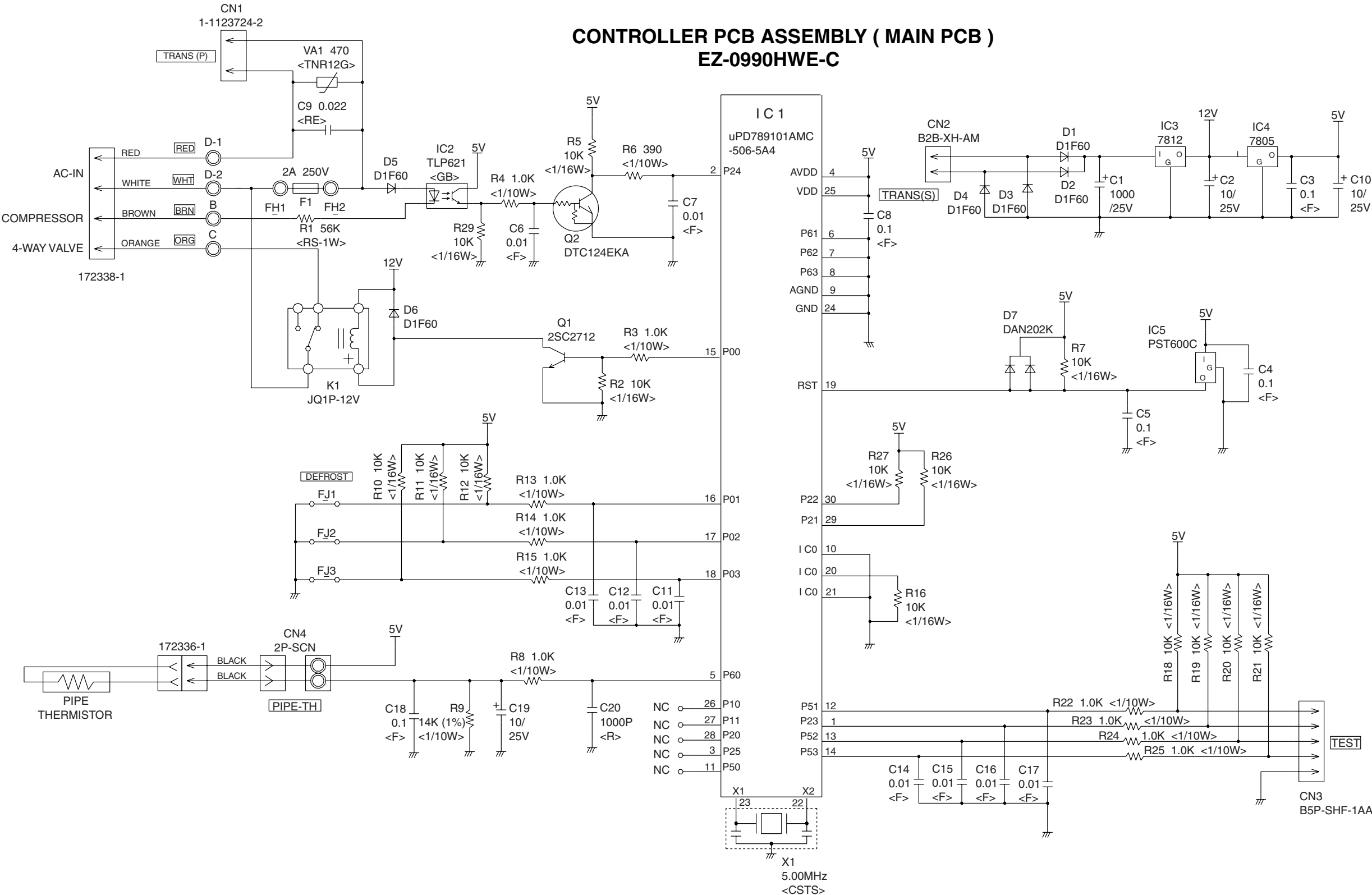


OPERATION SWITCH INTERNAL CONNECTIONS



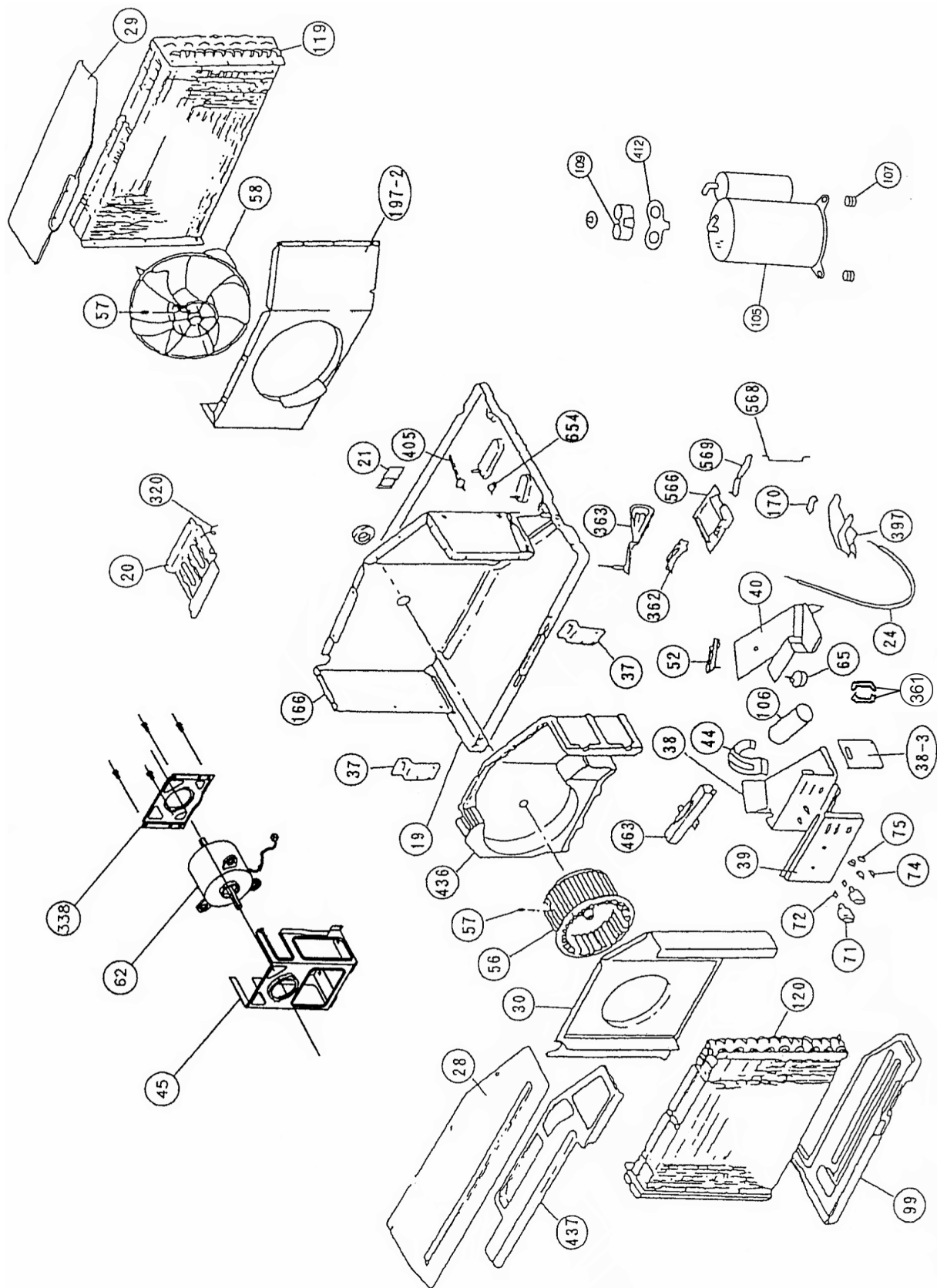
MICROCOMPUTER CONTROL CIRCUIT

Model : RF-16UA

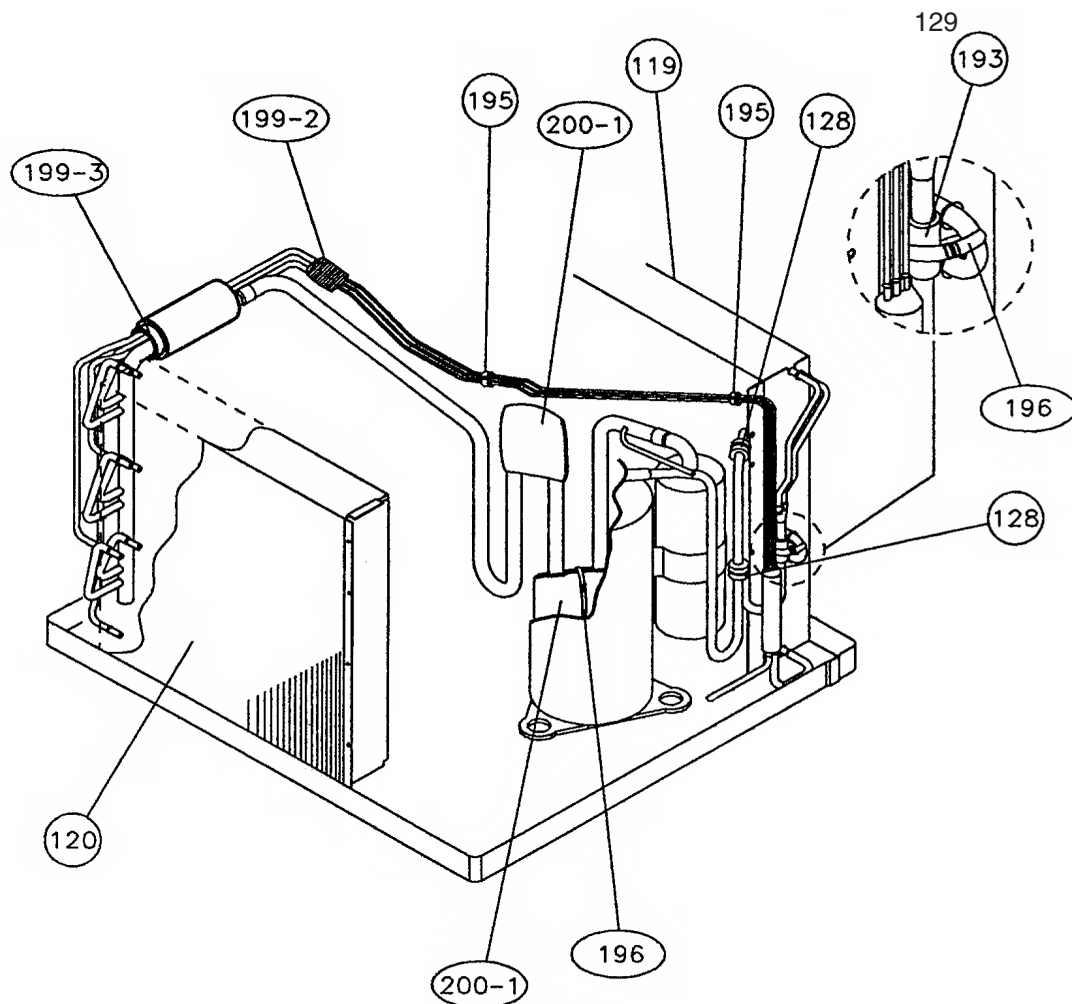
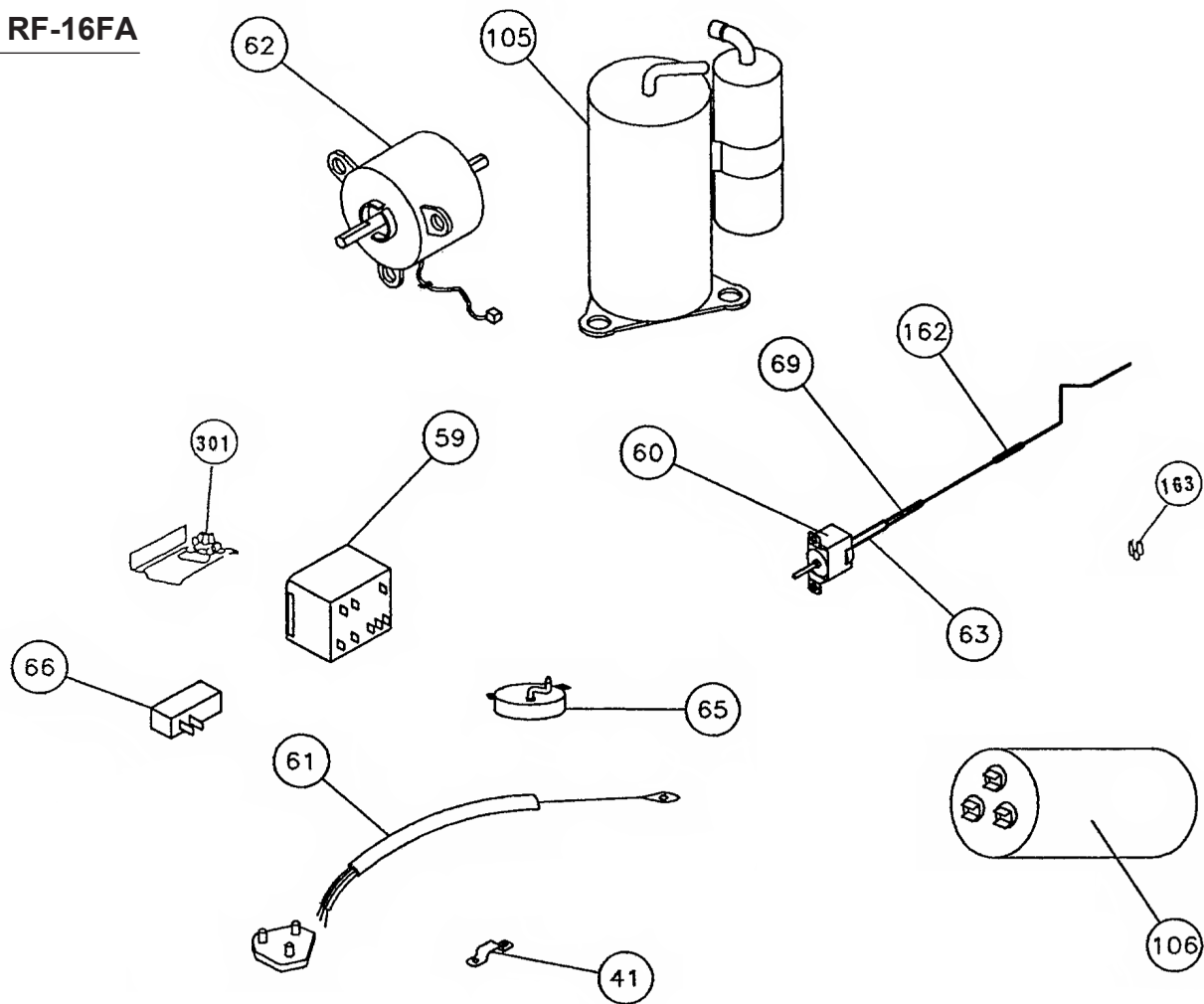


DISASSEMBLY ILLUSTRATION

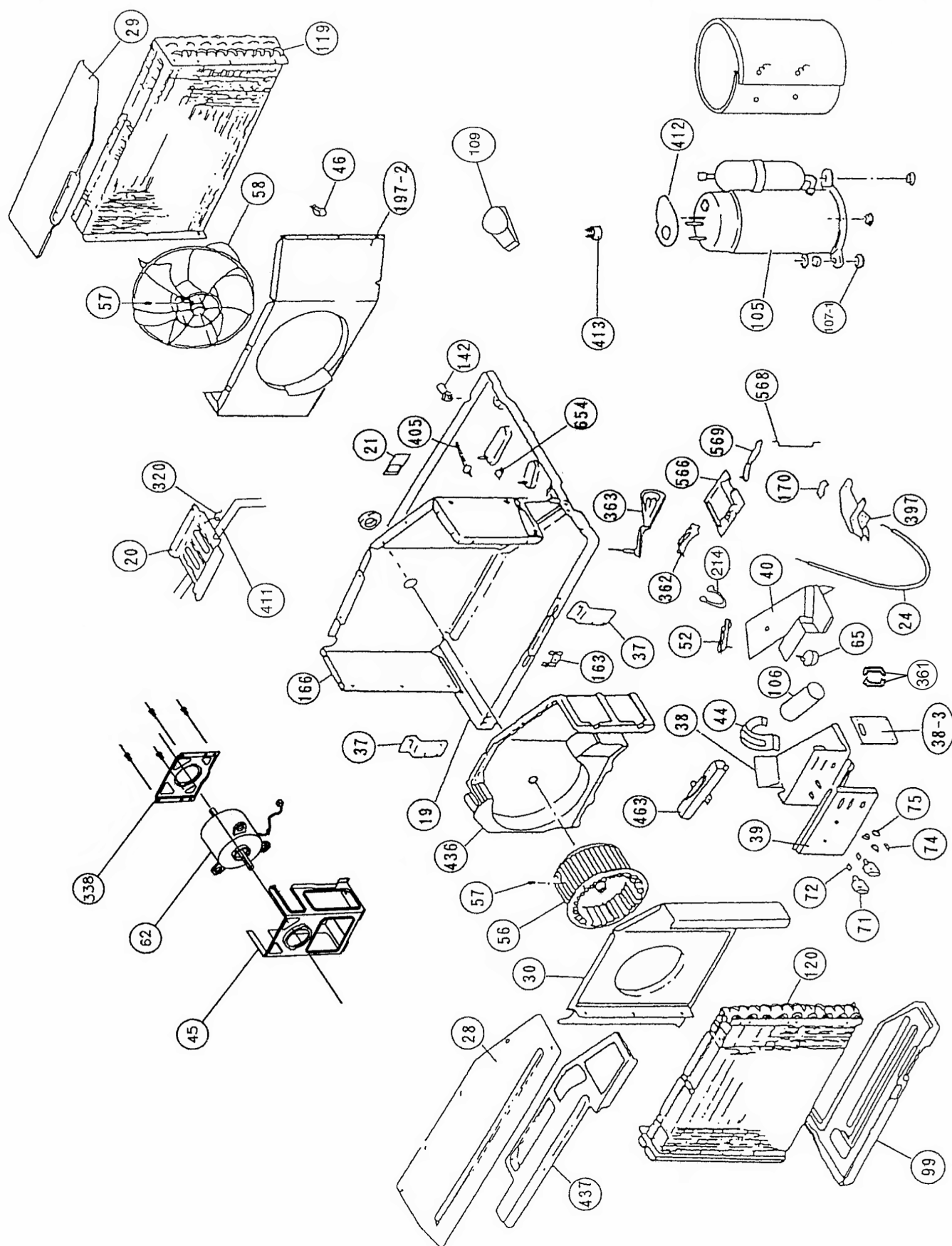
Model : RF-16FA



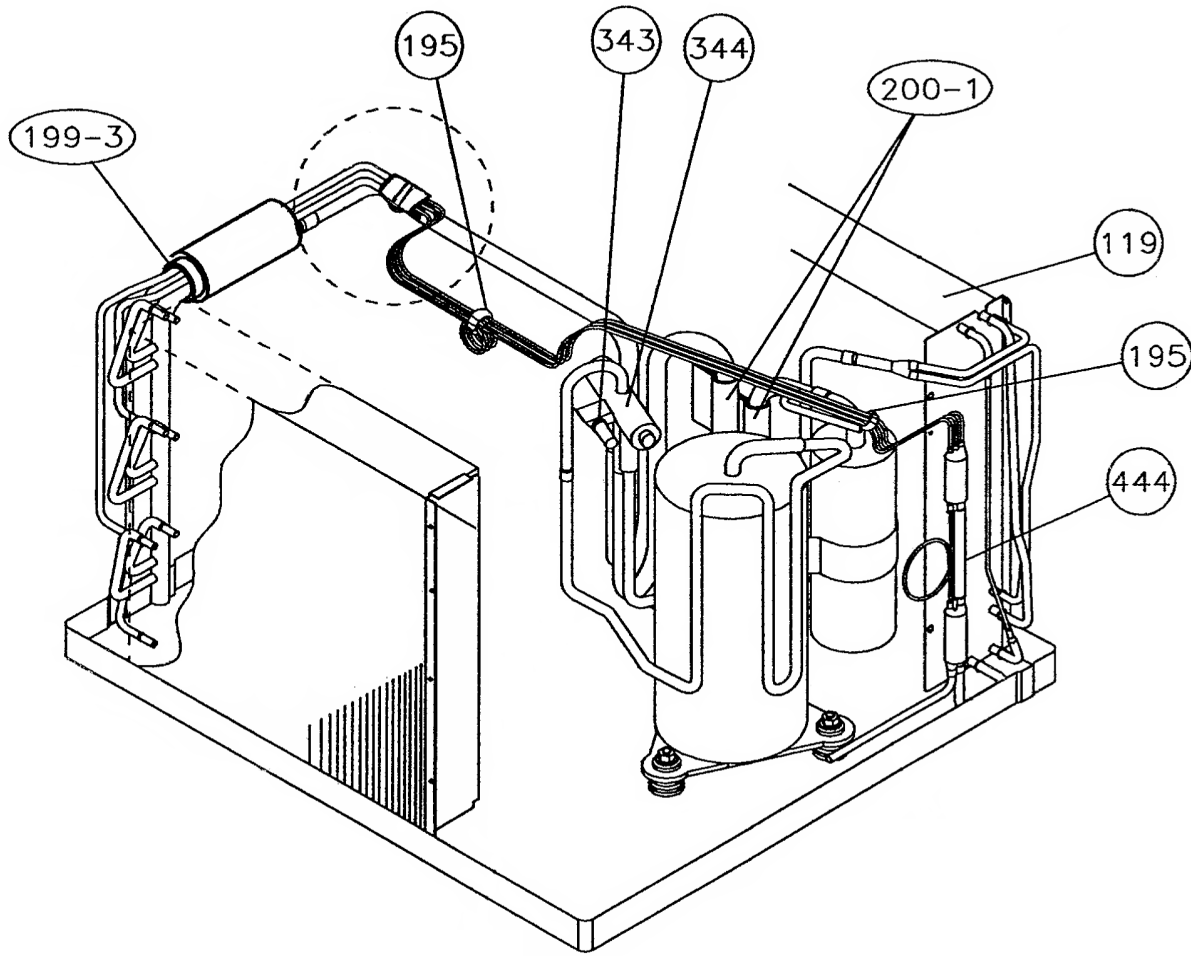
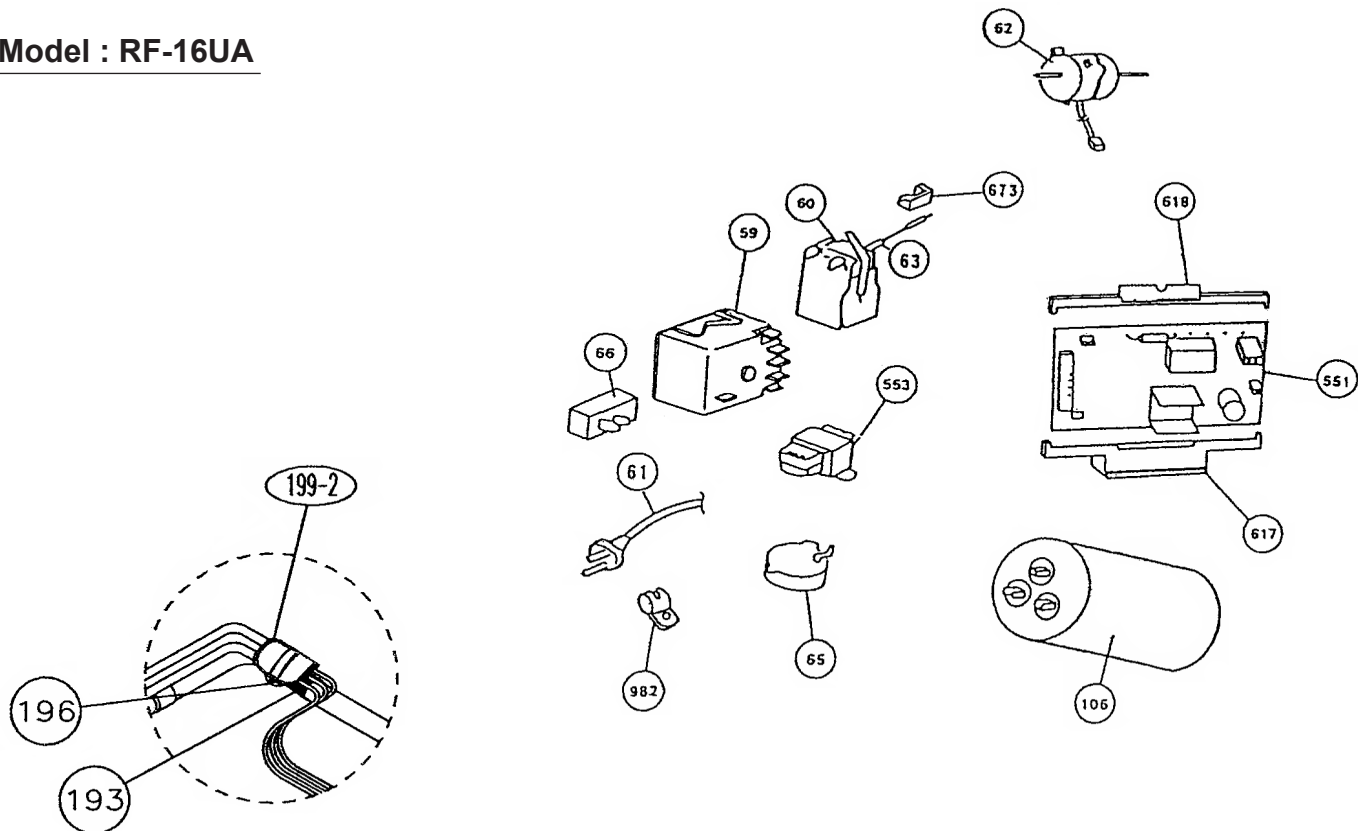
Model : RF-16FA



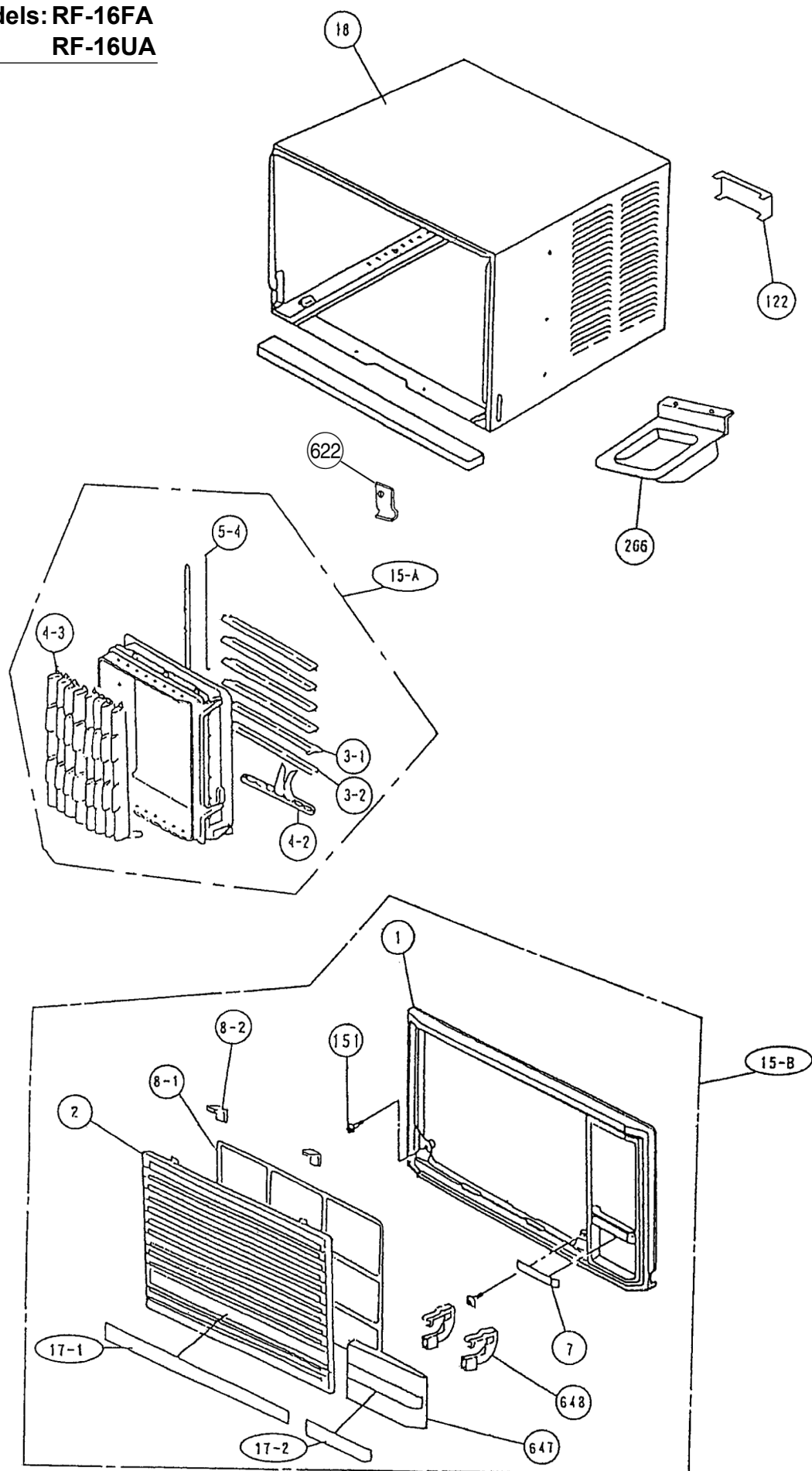
Model : RF-16UA



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PARTS LIST

FRONT PANEL

Ref. No.	Description	Part No.	Order Q'ty	Ref. No.	Description	Part No.	Order Q'ty
1	Front Panel	9351268015		8-1	Filter Assy	9351266028	
2	Removable Panel	9351269012		8-2	Filter Clamp	9351413019	
3-1	Louver-A	9351263003		15-A	Louver Frame Assy	9351446017	
3-2	Louver-C	9351265007		15-B	Front Panel Assy	9351445195	
4-2	Louver-Link-E	313658009703		17-1	Decoration Plate-A	9361826014	
4-3	Louver-B	9351264017		17-2	Decoration Plate-B	9361828018	
5-4	Spring-C (Louver)	313816016307		647	Switch Panel Lid	9351270018	
7	Emblem (Front Panel)	9351274016		648	Switch Panel Lid Arm	9351579012	

CABINET and CHASSIS

Ref. No.	Description	Part No.		Order Q'ty	Ref. No.	Description	Part No.		Order Q'ty
		RF-16FA	RF-16UA				RF-16FA	RF-16UA	
18	Cabinet Assy	9389200056	9389200056		128	Rubber (Discharge Pipe)	313155086308	-----	
19	Base Assy	9389108505	9389108505		129	Rubber (Discharge Pipe)	313194159807	-----	
20	Supporter-C	313658126405	313658126405		151	Front Panel Screw	313221252806	313221252806	
21	Exhaust Air Damper	313658121203	313658121203		162	Thermostat Holder	313616262803	-----	
24	Wir Lead Pipe AS	313658103006	313658103006		163	Thermo. Spring A	313369262701	-----	
28	Blower Cover	313658041002	313658041002		166	Separate Wall Assy	313127033254	313127033254	
29	SUPPORTER B	313658042804	313658042804		170	Clamp-B (Wire Lead-in Pipe)	313094119306	313094119306	
30	Blower Mouth Assy	313658044203	313658044203		193	Cushion (Dryer)	313194159807	313376149201	
37	E. Fixture	313660120107	313660120107		195	Clamp SKB-100	313361275805	313361275805	
38	Switch Box Assy	9357250021	9357250021		196	Clamp SKB-150	313035356905	313035356905	
38-3	Switch Box-C Assy	9358137017	9358137017		197-2	WD GID BRD A AS	313658272107	313658272107	
39	Switch Panel	9357259000	9357258003		199-2	BR Sheet	313816108200	313816108200	
40	Switch Box Cover	313195120654	313195120654		199-3	BR Sheet	313102108205	313102108205	
41	Wire Clamp Metal	9357885001	9357885001		200-1	BR Sheet-B	9351990022	9351990022	
44	Capacitor Band	313127061353	313127061353		214	Clamp No.689	-----	313414278608	
45	Bracket Mortor	9353556011	9353556011		266	Drain Boat	313681252701	313681252701	
52	Louver Arm	313658122104	313658122104		320	Wire Clamp Metal	313483219905	313483219905	
56	Sirocco Fan Assy	313658047604	313658047604		320-2	Wire Clamp Metal-B	-----	313874219907	
57	Hex. Socket Screw	313616213202	313616213202		338	Mortor Fixture	9353557001	9353557001	
58	Propeller Fan Assy	313658048706	313658048706		343	Solenoid	-----	9900165109	
59	Operation Switch	9900282011	9900282028		344	4-Way valve	-----	9970036019	
60	Thermostat	9354391000	9354392007		361	Bushing	9357973005	9357973005	
61	Power Cord	9900018016	9900018016		362	Guide Plate	313658301809	313658301809	
62	Motor Induct	9600757048	9600757048		363	Moving Plate	313658301901	313658301901	
63	Protection Tube -B (Thermo)	313337149603	9350034017		397	Select Level Assy	313103336059	313103336059	
65	Super Wave Motor	9370014037	9370014037		405	Clamp No.1763	313816345304	313816345304	
66	Super Wave Switch	9354272002	9354272002		411	Supporter -A	-----	9350023011	
69	Protection Tube (Thermo)	313337060303	-----		412	Therminial Gasket	9351051013	9351051013	
71	Thermostat Knob	313579060806	313579060806		413	Relay	-----	9701794010	
72	Thermo Knob Spring	313008061010	313008061010		436	Spiral Plate-A	313658199208	313658199208	
74	Operation knob	313185059205	313185059205		437	Spiral Plate Cover	313658115407	313658115407	
75	Operation Knob Spring	313061128802	313061128802		444	Capillary Assy	-----	9385507012	
99	Drain Pan	313658046102	313658046102		463	Switch Box Cover-D	313658376309	313658376309	
105	Compressor Assy	9372558058	9372558058		551	PCB Assy	-----	9703103018	
106	Running Capacitor	9900268084	9900268084		553	Transformer, Power	-----	9900205010	
107-1	Rubber Seat (Comp) A	9351049010	9351049010		566	Center Plate (Switch Box Cover)	313658354906	313658354906	
109	Terminal Cover (For Comp)	9351048013	9351048013		568	Wire (Switch Box Cover)	313658349609	313658349609	
119	Condenser Assy	9385506022	9385506015		569	Connecting Plate	313658040301	313658040301	
120	Evaporator Assy	9385505025	9385505025		617	PCB Mount-A	-----	313195313658	
122	Emblem	9361832008	9361832008		618	PCB Mount-B	-----	313195313553	
					622	Bracket (Typhoon Lock)	9355835008	9355835008	
					654	Clamp (Wire Lead-in Pipe)	313061103204	313061103204	



MANUFACTURER :

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