

SERVICE MANUAL



Models	Indoor unit	Outdoor unit
	RS-17LA	RO-17E
	RS-17TA	RO-17TA
	RS-17TB	RO-17TB

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S P E C I F I C A T I O N S

INDOOR UNIT		RS-17LA	RS-17TA	
OUTDOOR UNIT		RO-17E	RO-17TA	RO-17TB
TYPE		COOL	COOL & HEAT	
COOLING CAPACITY	(kW)	4.75 - 4.90	4.55 - 4.65	4.60 - 4.70
HEATING CAPACITY	(kW)	-----	5.00 - 5.15	5.30 - 5.40

ELECTRICAL DATA

POWER SOURCE	(V)	220 - 240		
FREQUENCY	(Hz)	50		
RUNNING CURRENT	(A)	COOLING	8.6 - 8.4	8.5 - 8.3
		HEATING	-----	9.5 - 9.3
INPUT WATTS	(kW)	COOLING	1.88 - 1.98	1.85 - 1.95
		HEATING	-----	2.05 - 2.13
E.E.R.	(kW/kW)	COOLING	2.53 - 2.47	2.46 - 2.38
		HEATING	-----	2.44 - 2.42
MOISTURE REMOVAL	(ℓ /hr)	2.1		
AIR CIRCULATION-Hi	(m³/hr)	560		

COMPRESSOR

TYPE	Hermetic type, Permanent split condenser, 2 pole, Single phase, Induction motor, Rotary		
CODE	PE33VPEMT	4JS330DAA	

FAN MOTOR

INDOOR TYPE	MFA-17AT		
POWER SOURCE	220 - 240		
FAN SPEED	HI-SPEED	(r.p.m.)	1,300
	MED-SPEED	(r.p.m.)	1,210
	LO-SPEED	(r.p.m.)	1,100
OUTDOOR TYPE	MFB-247FB		
POWER SOURCE	(V)	220 - 240	
FAN SPEED	(r.p.m.)	720	

DIMENSIONS

INDOOR	H x W x D (mm)	285 x 900 x 172
OUTDOOR TYPE	H x W x D (mm)	700 x 900 x 350

WEIGHT

INDOOR	GROSS / NET (kg)	13 / 10
OUTDOOR TYPE	GROSS / NET (kg)	71 / 59
		76 / 64

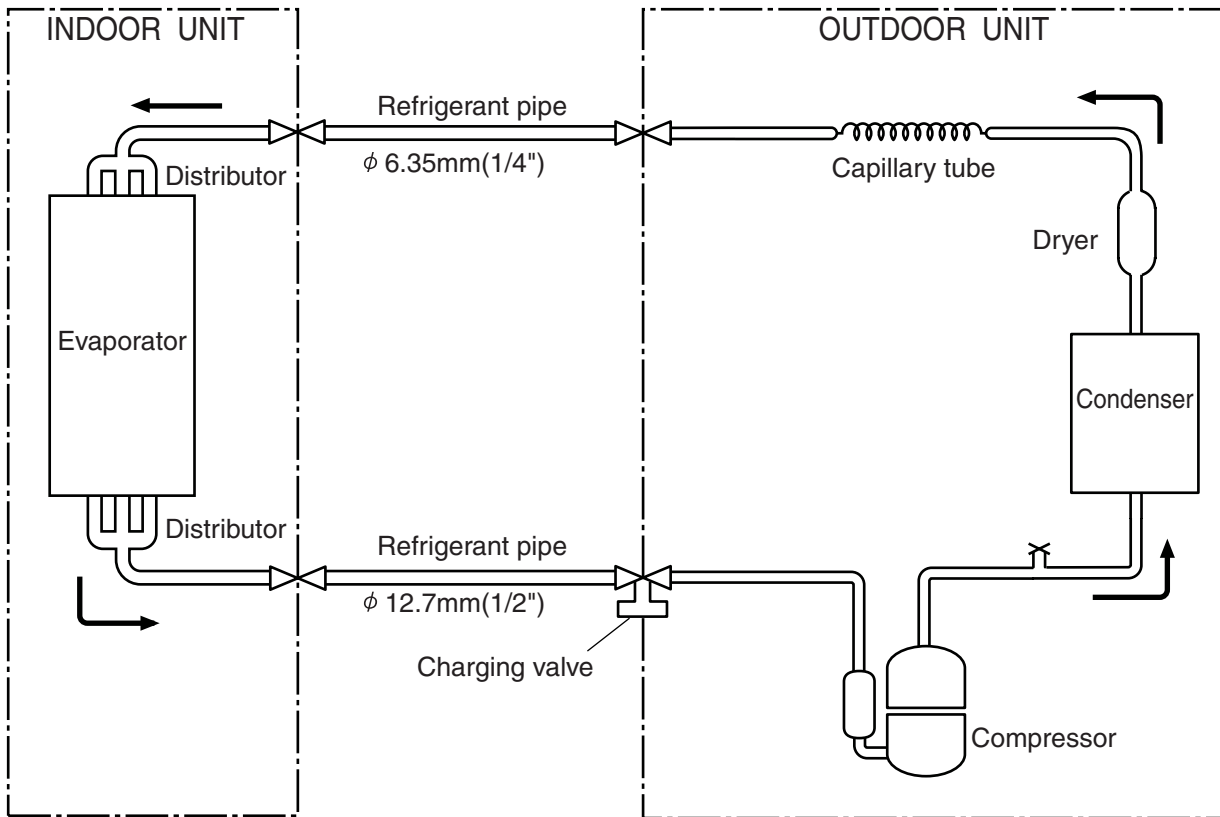
REFRIGERANT CHARGE (R407C)

PIPE LENGTH		16 ft (5 m)	23 ft (7 m)	33 ft (10 m)	49 ft (15 m)	66 ft (20 m)
FULL CHARGE AMOUNT	RS-17LA	44.1 oz (1,250 g)	44.8 oz (1,270 g)	45.9 oz (1,300 g)	47.6 oz (1,350 g)	49.4 oz (1,400 g)
	RS-17TA	RO-17TA	54.7 oz (1,550 g)	56.8 oz (1,610 g)	60.0 oz (1,700 g)	65.3 oz (1,850 g)
		RO-17TB	52.9 oz (1,500 g)	55.0 oz (1,560 g)	58.2 oz (1,650 g)	63.5 oz (1,800 g)

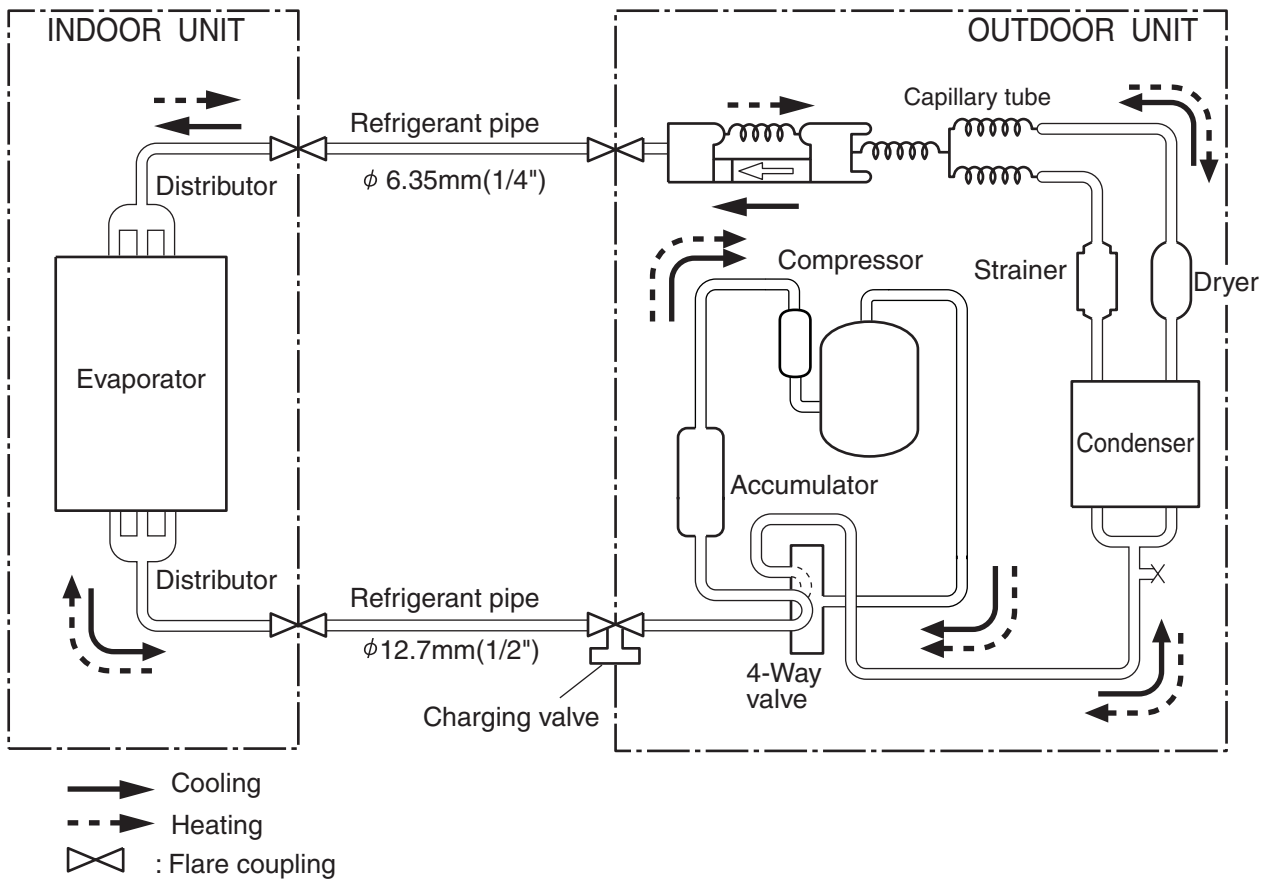
Note : Between 5 m and 20 m, when using a connection pipe other than that in the table, charge additional refrigerant with 0.35 oz (10 g) / 3.3 ft (1 m) for RS-17LA and 1.06 oz (30 g) / 3.3 ft (1 m) for RS-17TA as the criteria.

REFRIGERANT SYSTEM DIAGRAM

Models : RS-17LA / RO-17E

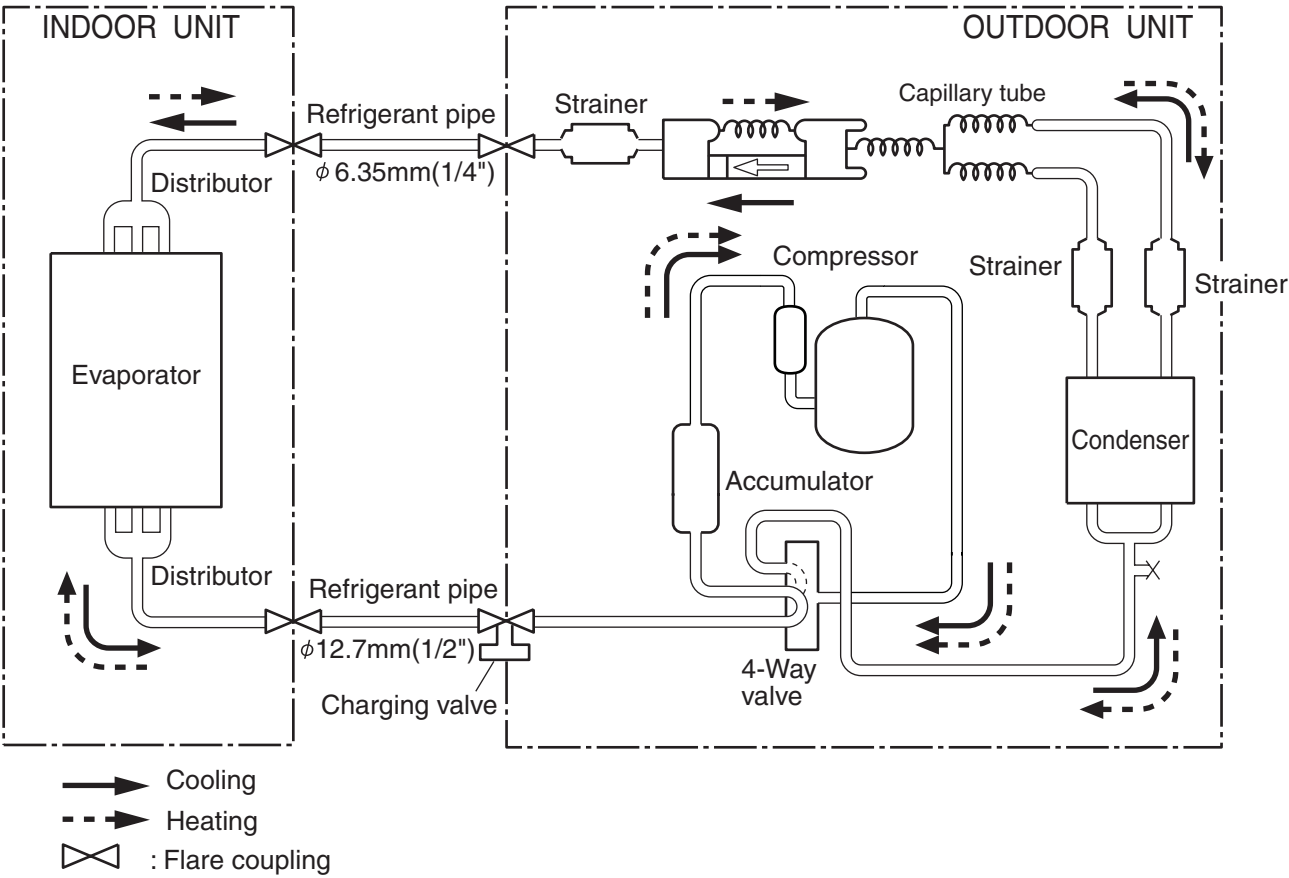


Models : RS-17TA / RO-17TA



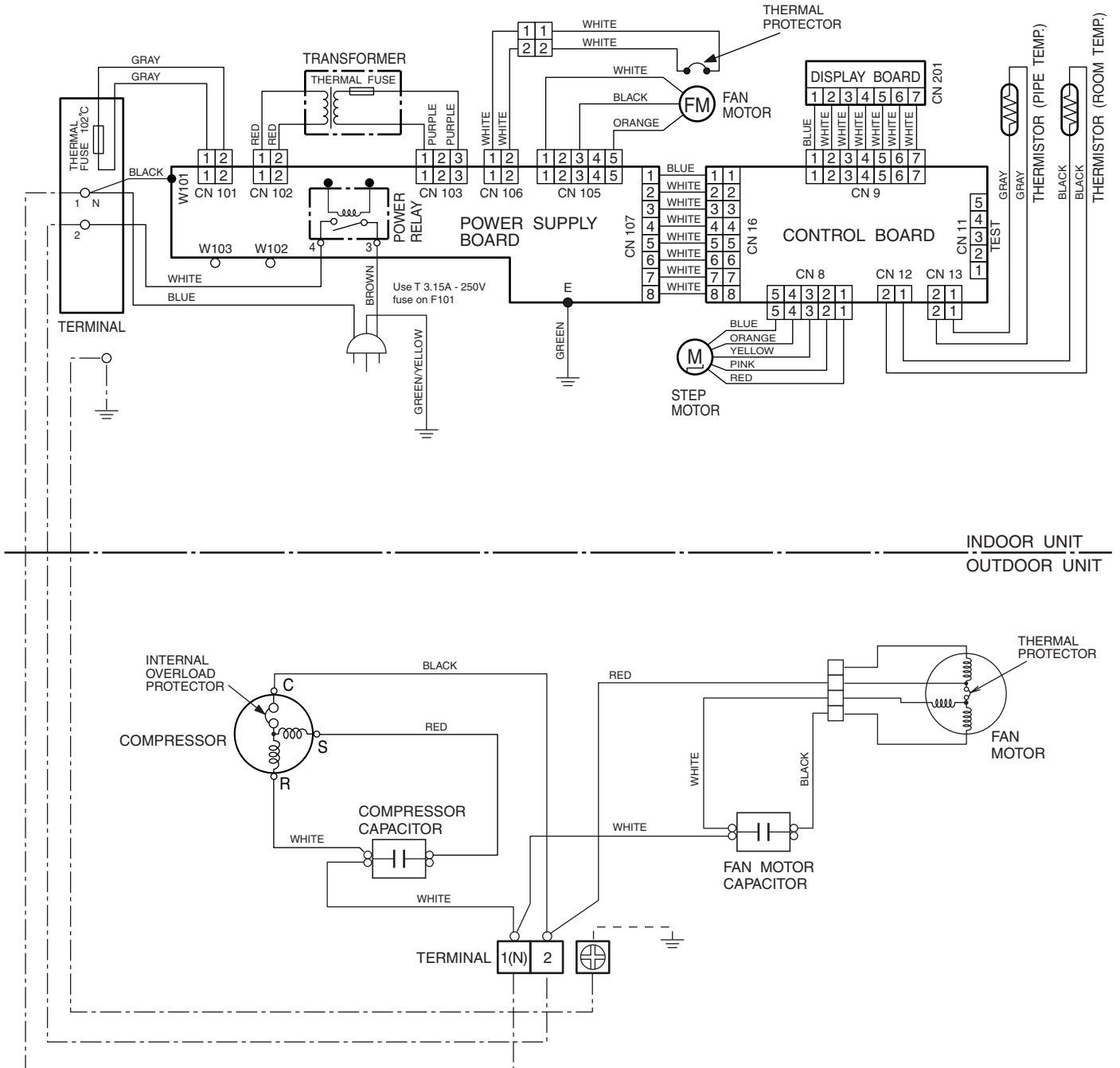
Cooling
 Heating
 : Flare coupling

Models : RS-17TA / RO-17TB

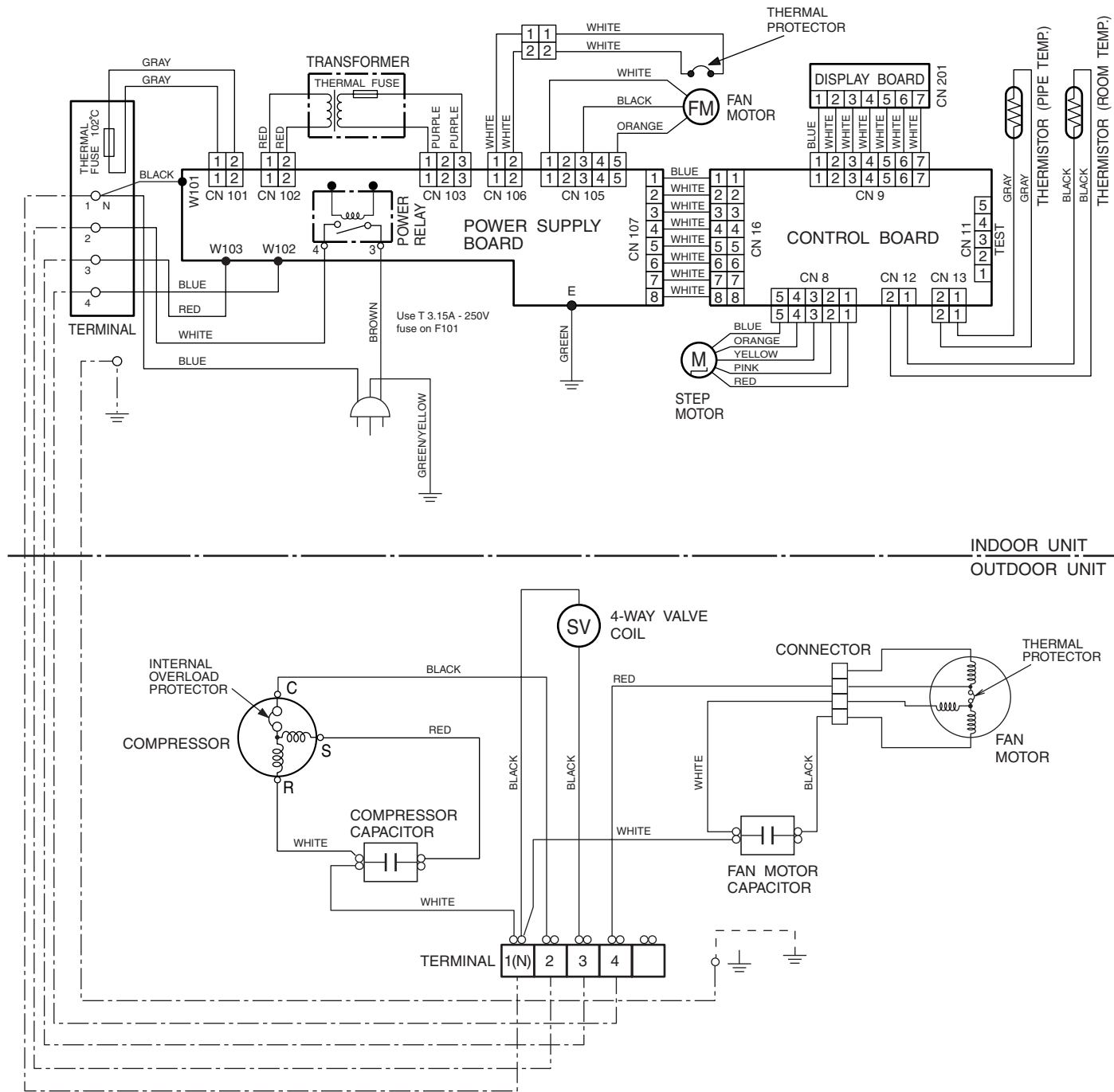


CIRCUIT DIAGRAM

Models : RS-17LA / RO-17E



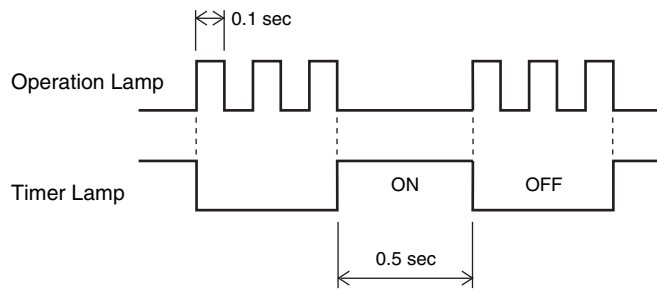
Models : RS-17TA / RO-17TA
RS-17TA / RO-17TB



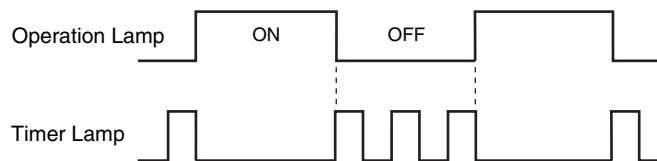
ERROR CODE

Models :RS-17LA / RO-17E
RS-17TA / RO-17TA
RS-17TA / RO-17TB

Room temperature thermistor abnormal



Heat exchanger (pipe) thermistor abnormal

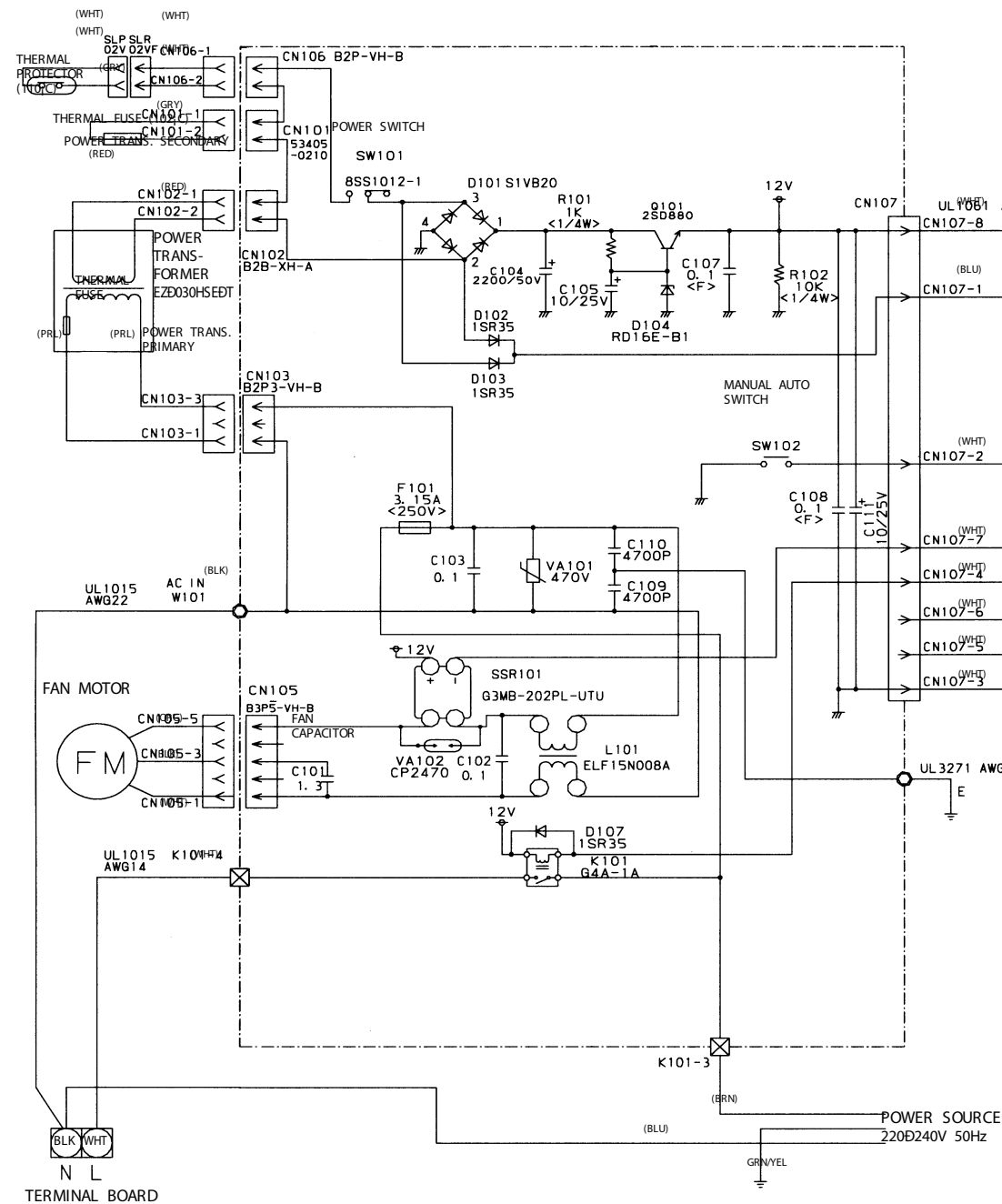


INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

CONTROLLER PCB ASSEMBLY
EZ-099MWSE - C (F)

Model : RS-17LA

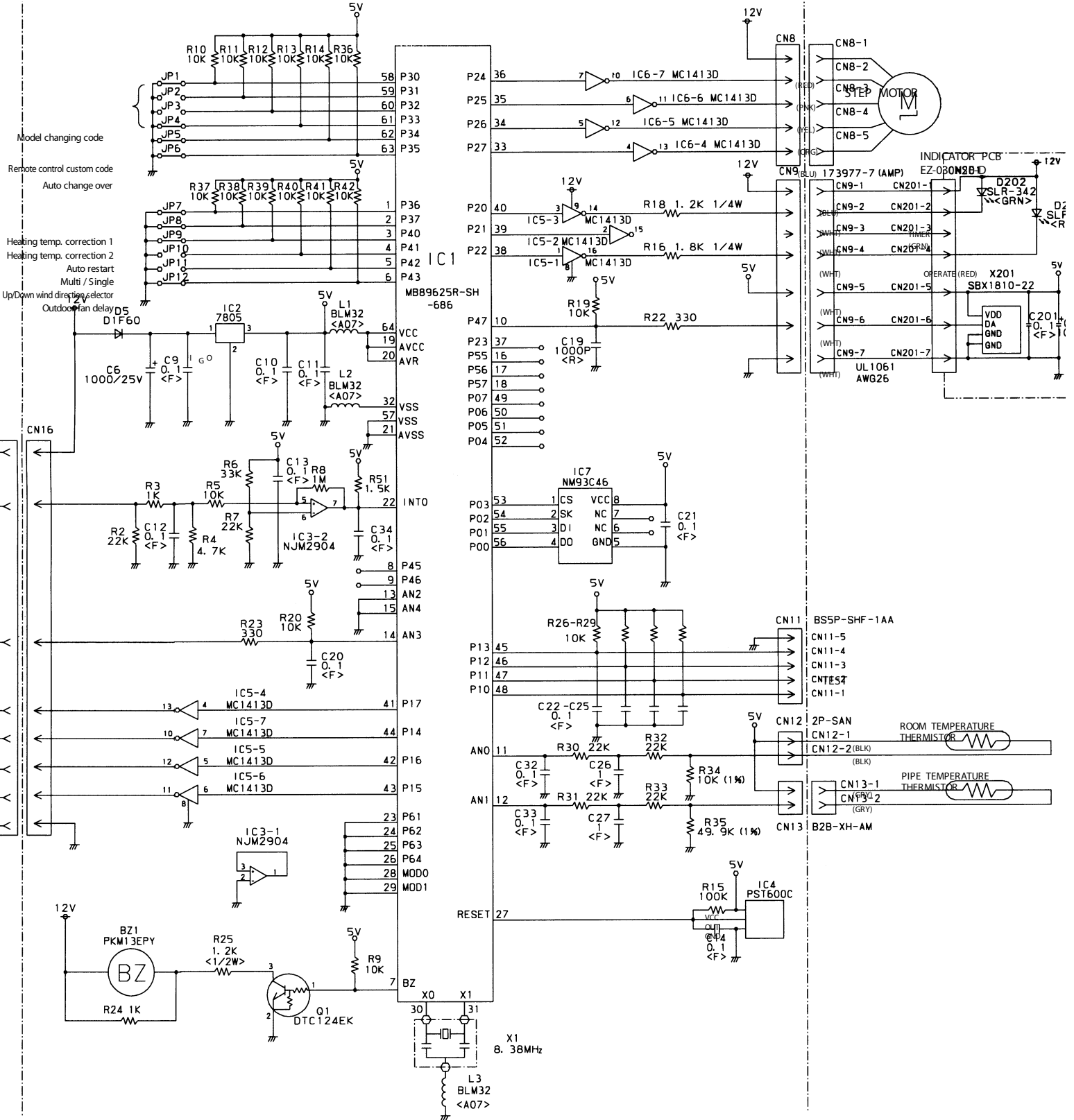
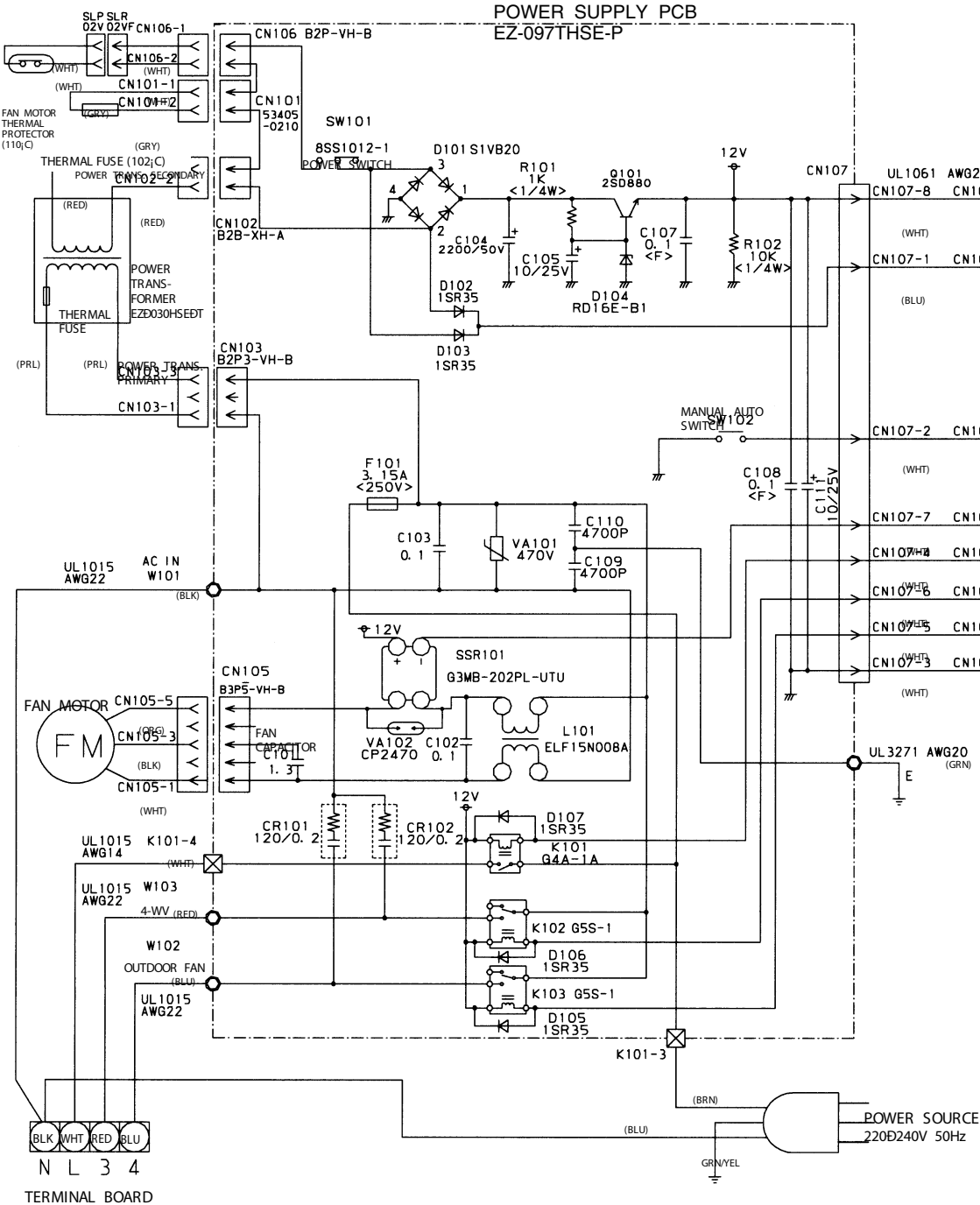
POWER SUPPLY PCB
EZ-097VWSE-P



Model : RS-17TA

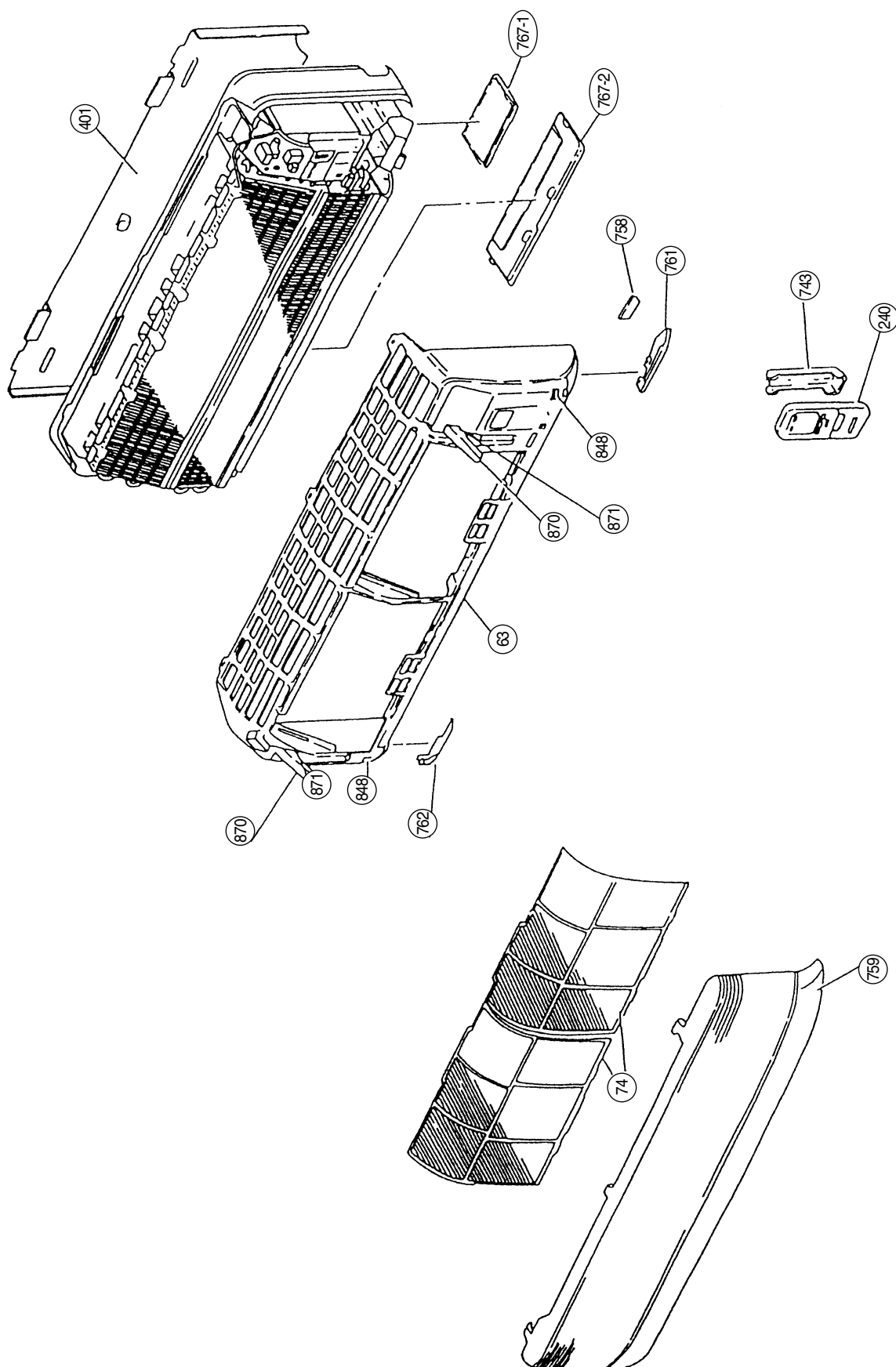
CONTROLLER PCB ASSEMBLY

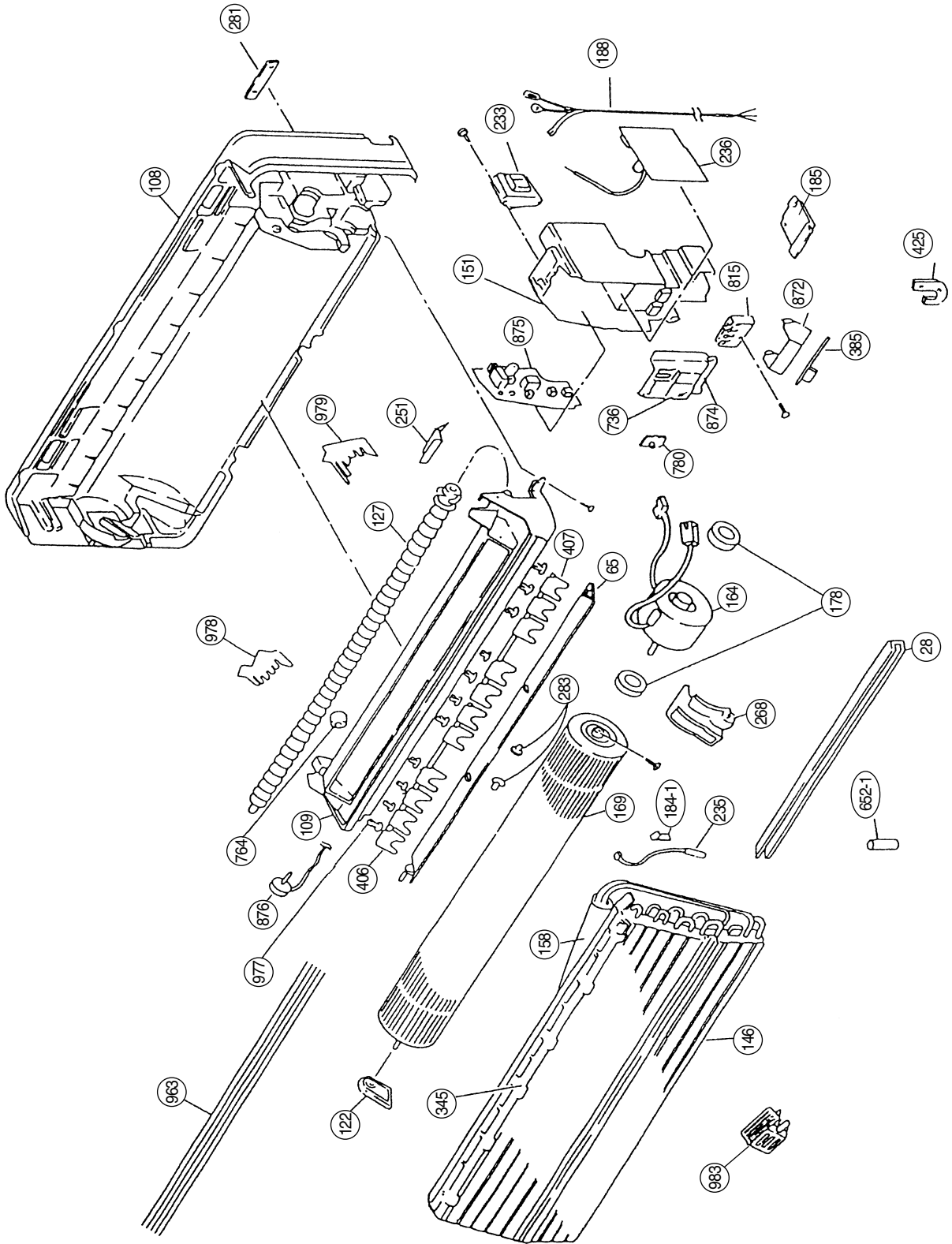
EZ-099THSE - C (F)



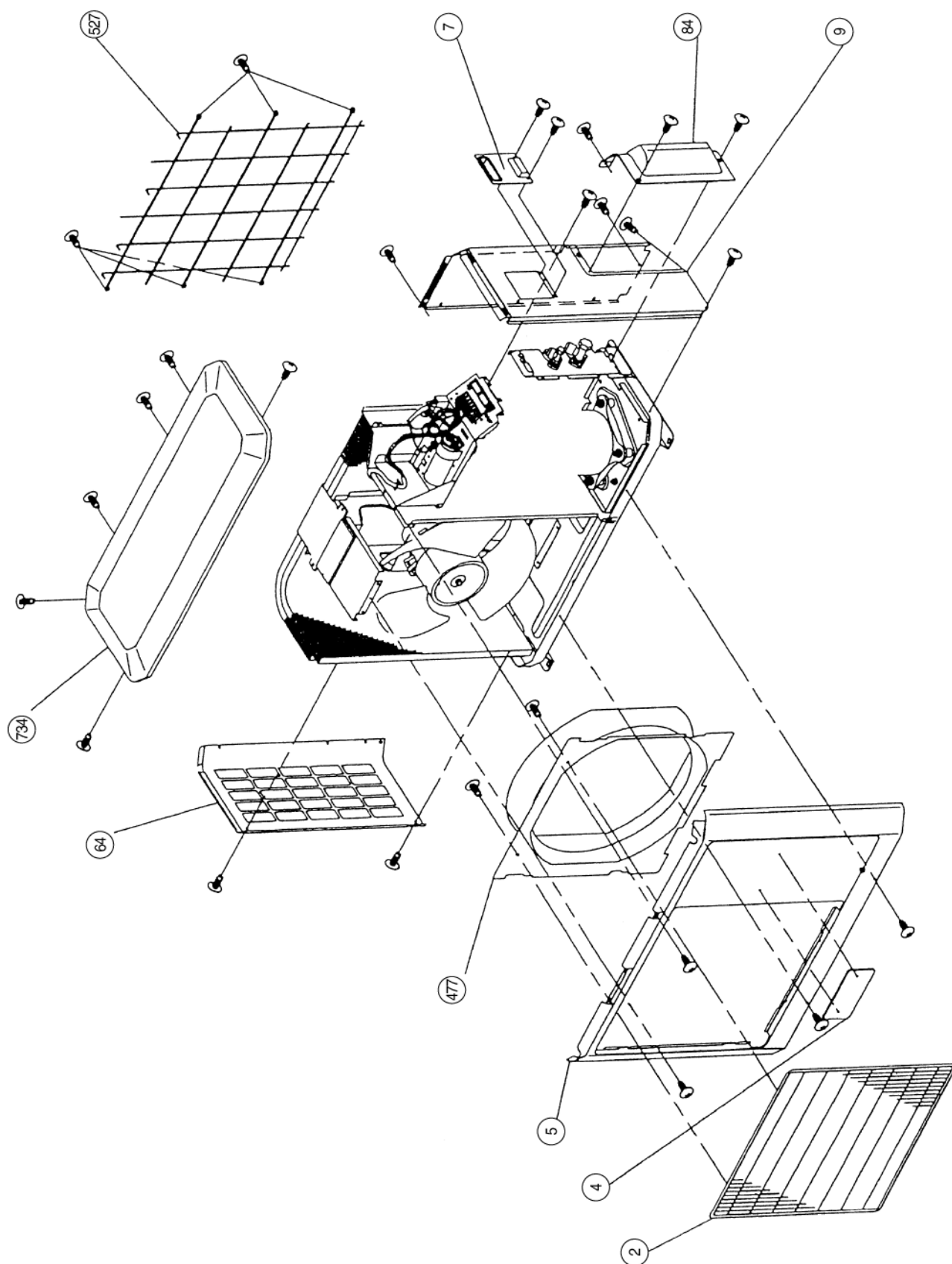
DISASSEMBLY ILLUSTRATION

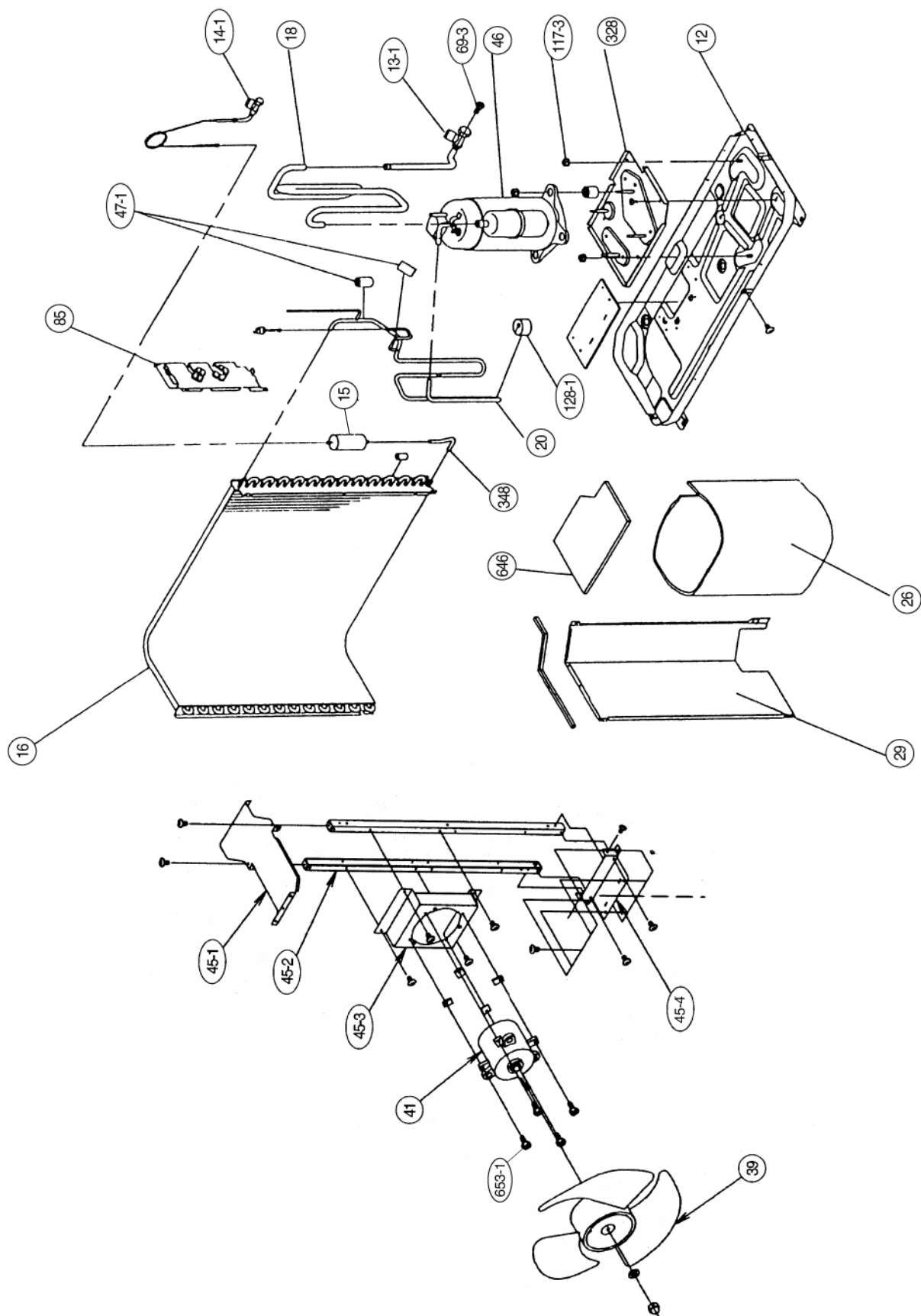
Models : RS-17LA
RS-17TA



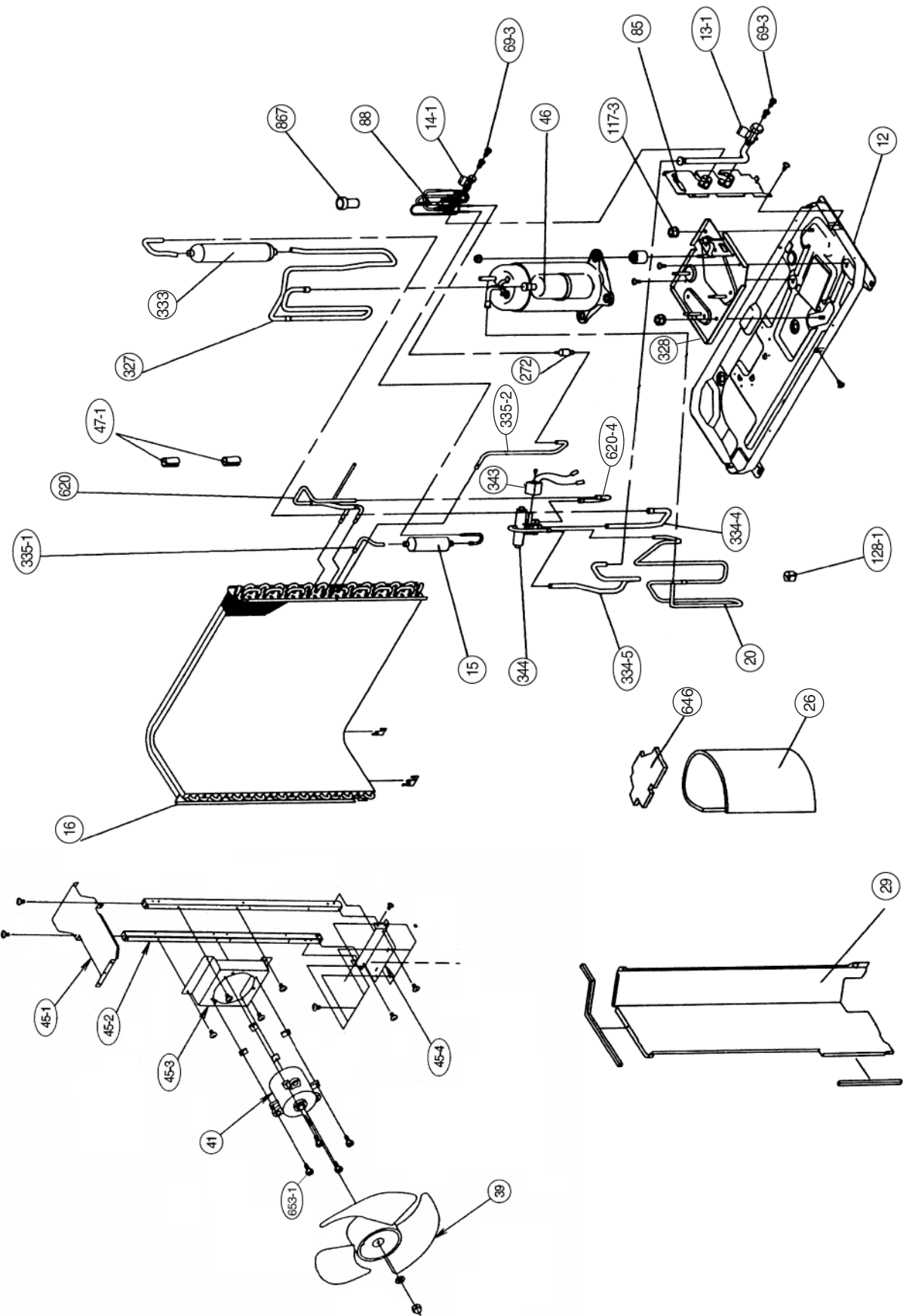


Models : RO-17E
RO-17TA
RO-17TB

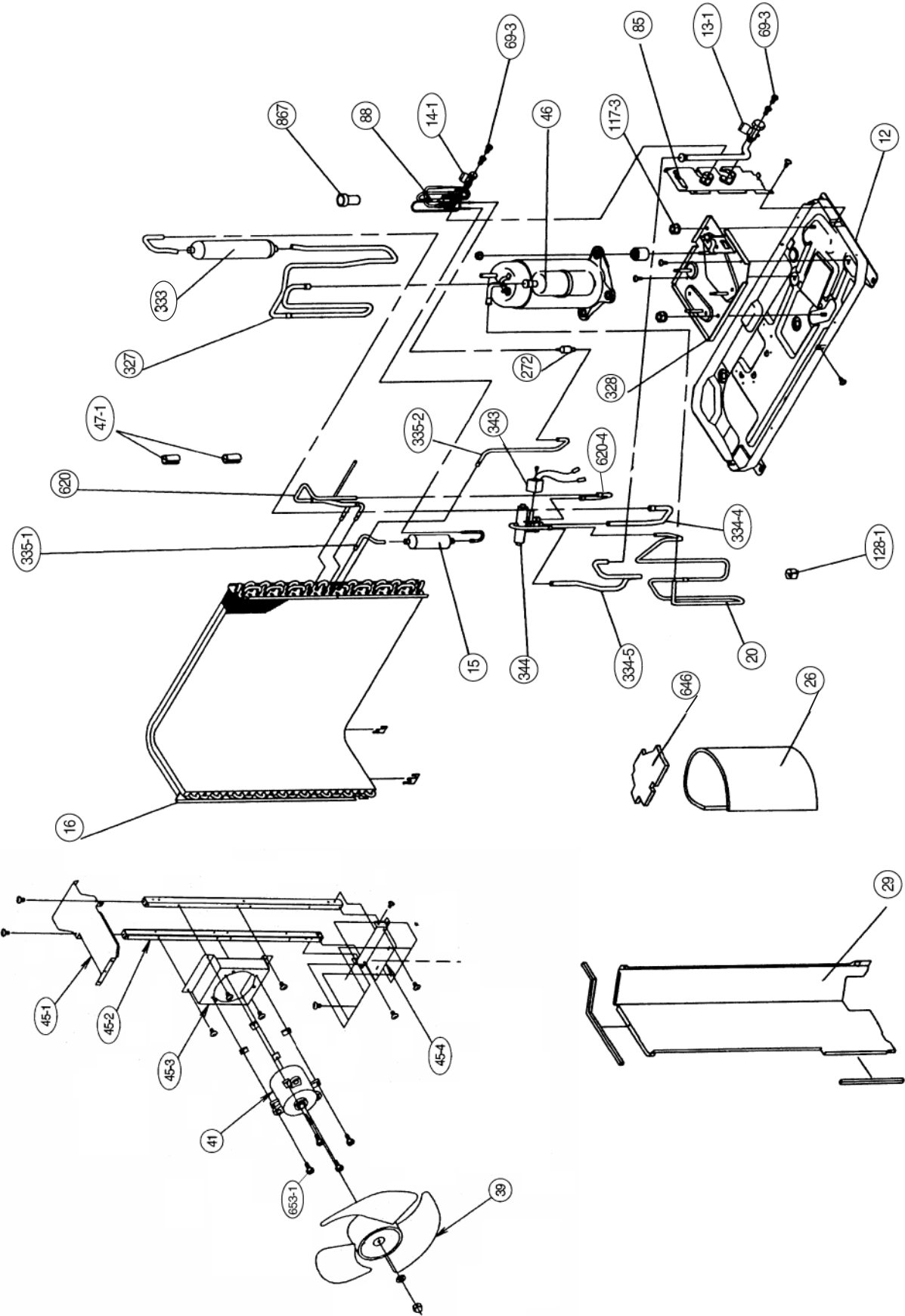


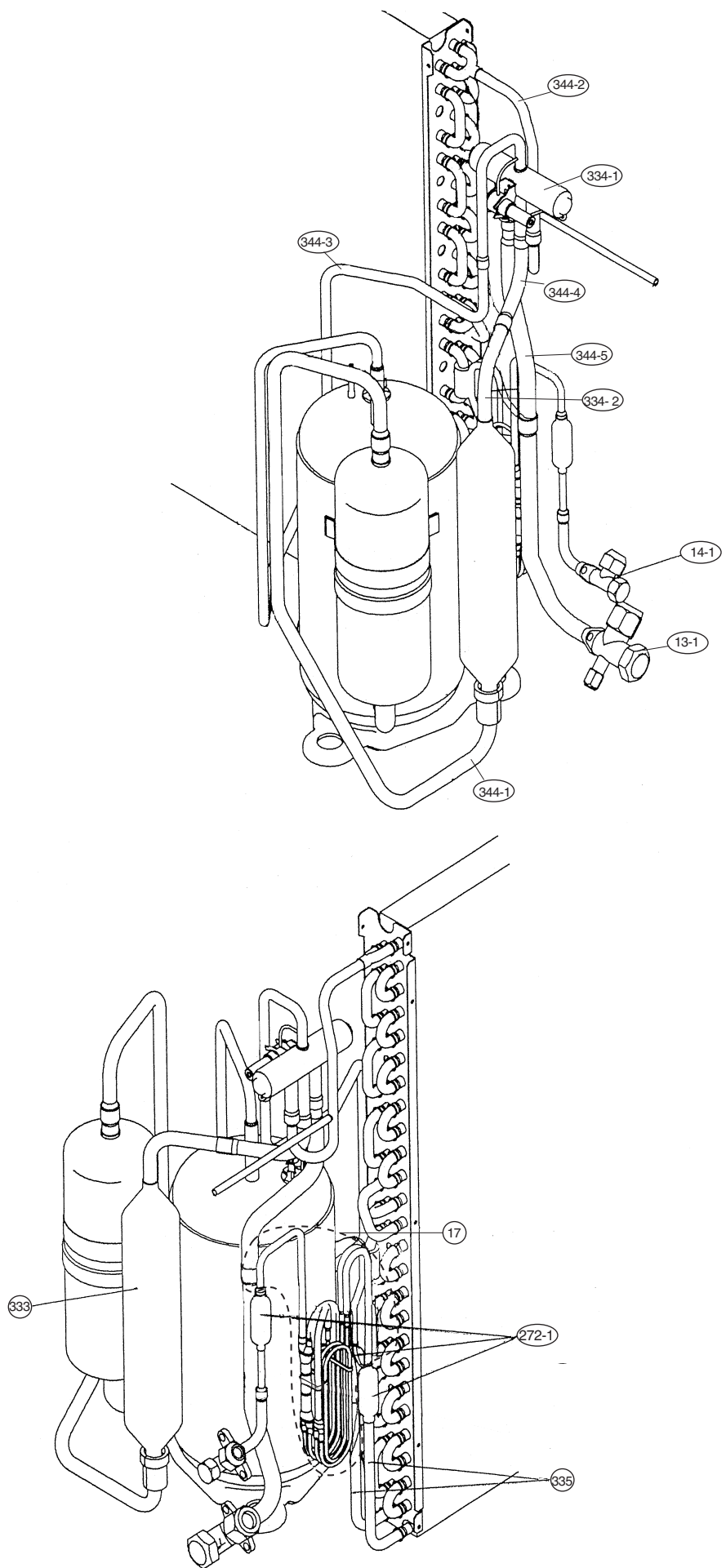


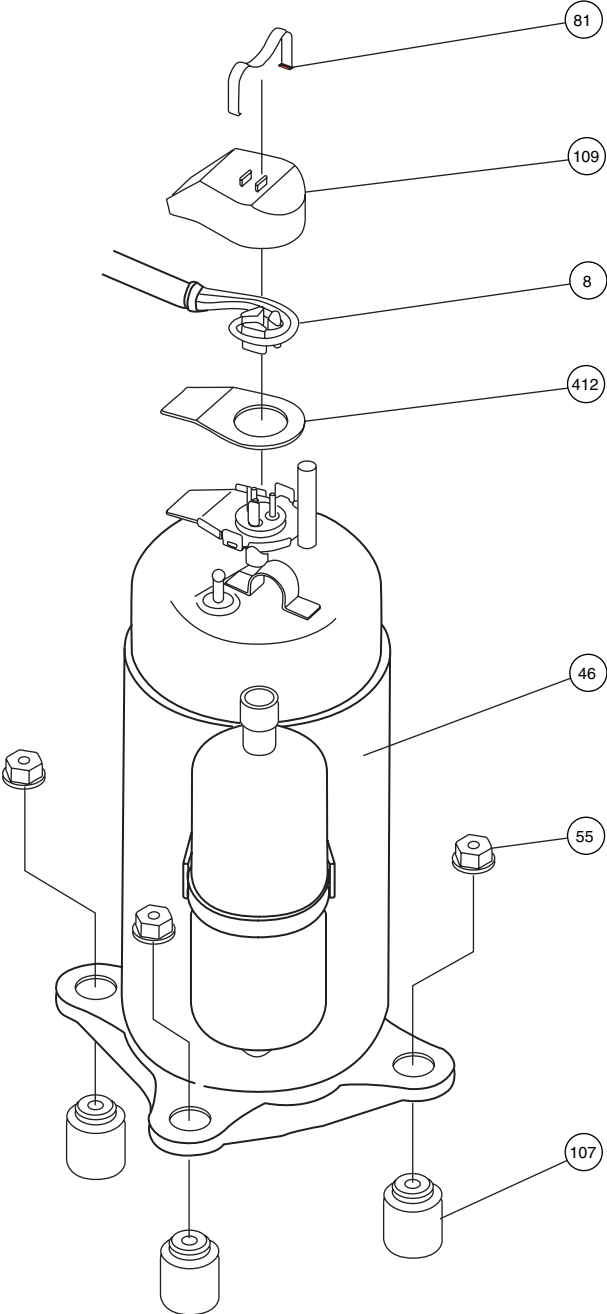
Model : RO-17TA

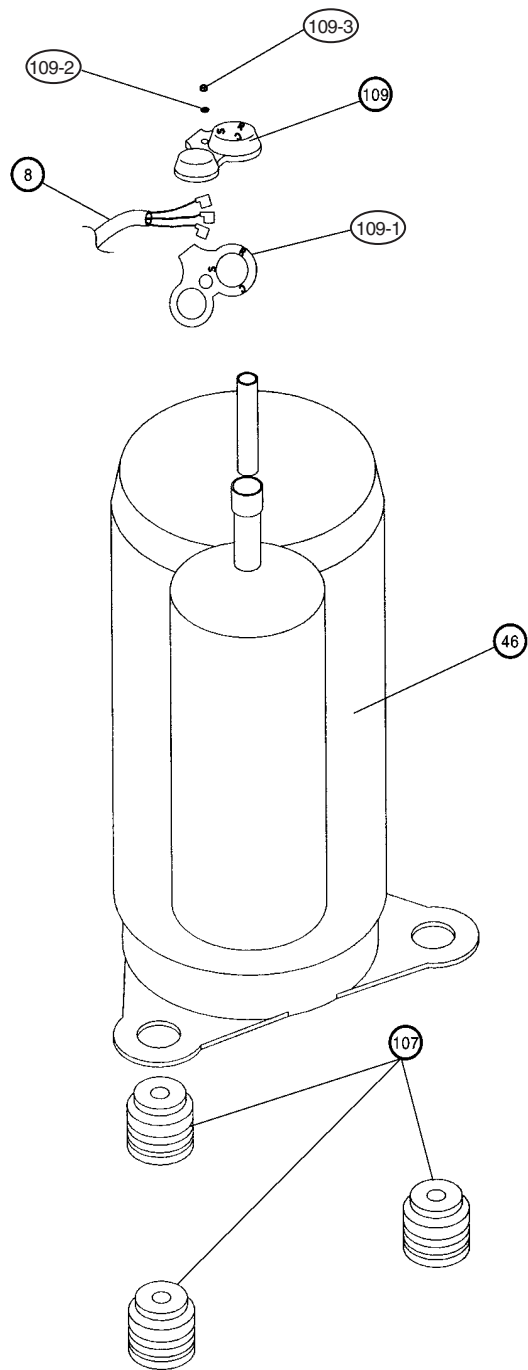


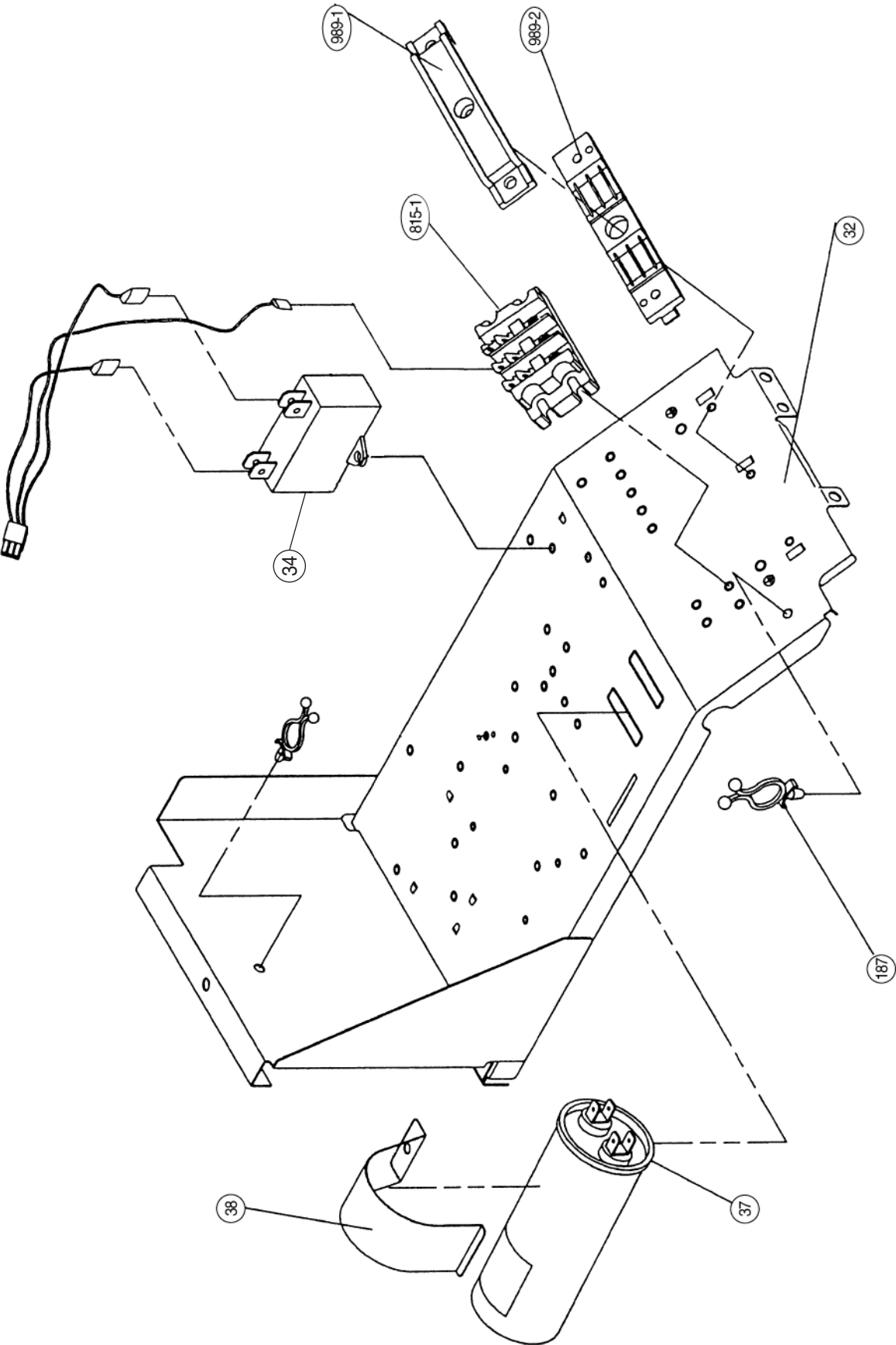
Model : RO-17TB

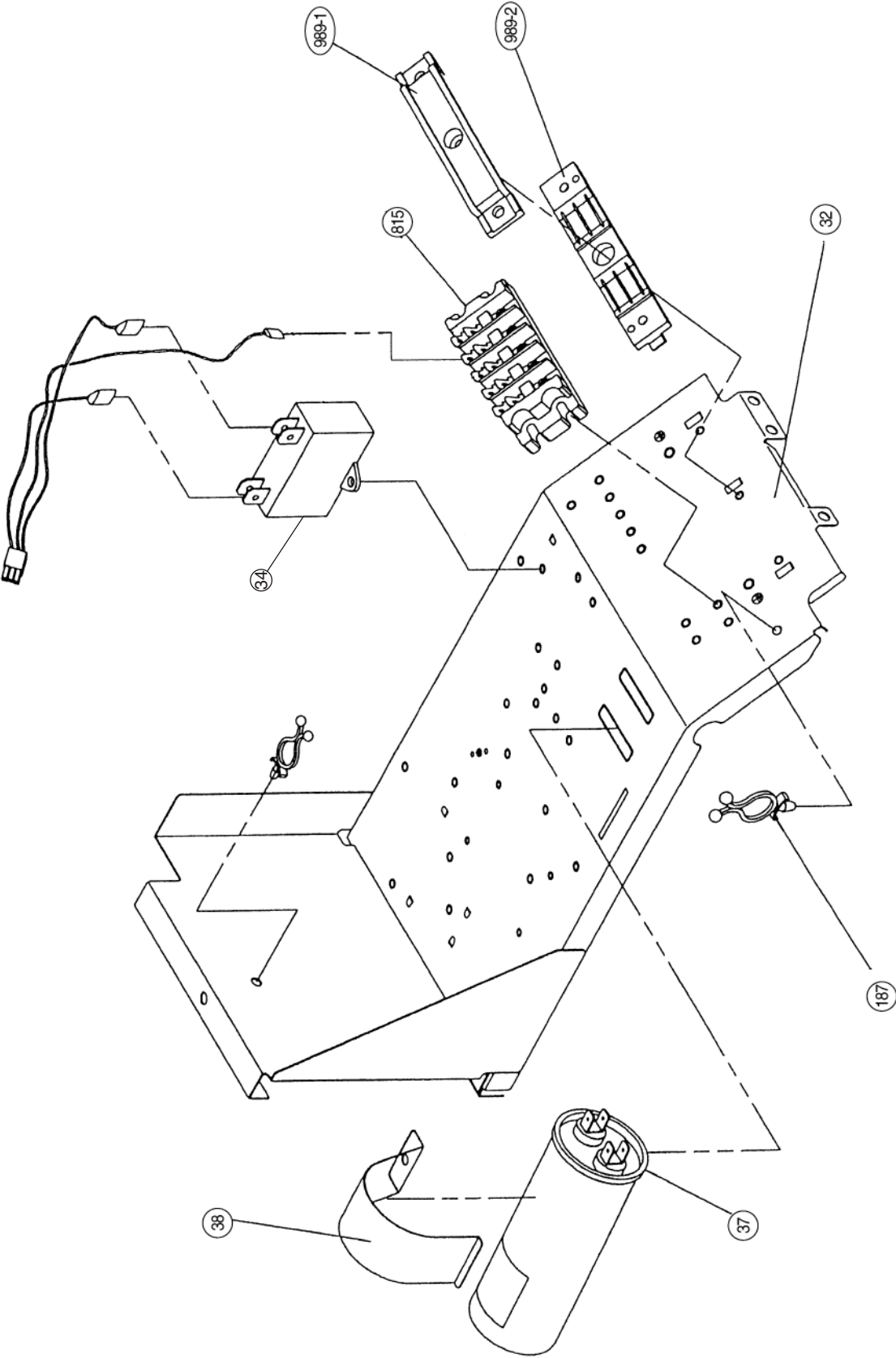












PARTS LIST

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

INDOOR UNIT

Ref. No.	Description	Part No.		Ord. Q'ty	Ref. No.	Description	Part No.		Ord. Q'ty
		RS-17LA	RS-17TA				RS-17LA	RS-17TA	
28	Blower Cover	9304111016	9304111016		406	Louver-L Assy	9354644014	9354644014	
63	Front Panel Assy	9354229235	9354229235		407	Louver-R Assy	9354643017	9354643017	
65	Flow Control Panel	9354646063	9354646063		425	Earth Terminal	9357852003	9357852003	
74	Filter	9304097013	9304097013		652-1	Thermistor Holder Pipe	313714262805	313714262805	
108	Base	9304107033	9304107033		736	Operation Panel	9354230002	9354230002	
109	Casing	9304108016	9304108016		743	Remote Control Unit Holder Case	9305642014	9305642014	
122	Shaft Holder-B Assy	9304470007	9304470007		758	Decoration Plate-A	9354223011	9354223011	
127	Drain Hose Assy	9308754013	9368754013		759	Intake Grille-A	9355595063	9355595063	
146	Evaporator Assy	9363335002	9363335002		761	Side Cover-R	9303518076	9303518076	
151	Control Box	9304092001	9304092001		762	Side Cover-L	9303520147	9303520147	
158	Connecting Pipe Assy	9363632002	9363632002		764	Drain Cap Assy	9304150008	9304150008	
164	Fan Motor Assy-In	9354513044	9354513044		767-1	Bottom Cover-A	9303536056	9303536056	
169	Cross-flow Fan Assy	9306327002	9306327002		767-2	Bottom Cover-B	9303537053	9303537053	
178	Motor Cushion-G	9304669005	9304669005		780	Key Top (Slide Switch)	9303526002	9303526002	
184-1	Thermostat Spring-A	313728262708	313728262708		815	Terminal-2P	9701955022	-----	
185	Wire Clamp	9356959000	9356959000		815	Terminal-4P	-----	9701955039	
188	Power Cord Assy	9359917007	9359917007		848	Catcher	9306545000	9306545000	
233	Power Transformer	9701803026	9701803026		870	Arm	9303525005	9303525005	
235	Thermistor Assy-Pipe	9702325015	9702325015		871	Arm Spring	9304377009	9304377009	
236	Controller PCB Assy	9704341044	9704341204		872	Indicator Case	9303631003	9303631003	
240	Remote Control Unit	9356765076	9356765113		874	Control Box Cover	9304094005	9304094005	
251	Hose Clamp	9304077008	9304077008		875	Power Supply PCB Assy	9702451073	9702451066	
268	Motor Cover-B	9304231004	9304231004		876	Step Motor	9304535003	9304535003	
281	Clamp Metal (Pipe)	9304242000	9304242000		963	Fan Guard	9356881011	9356881011	
283	Bushing-A	9303529010	9303529010		977	Louver Clip, Plastic	9356880014	9356880014	
345	Filter Guide	9304110019	9304110019		978	Wire Bracket-L	9356878011	9356878011	
385	Indicator PCB Assy	9701119219	9701119219		979	Wire Bracket-R	9356877014	9356877014	
401	Wall Hook Bracket	9304093008	9304093008		983	Thermostat Protective Cover	9356882001	9356882001	

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OUTDOOR UNIT

Ref. No.	Description	Part No.			Ord. Q'ty
		RO-17E	RO-17TA	RO-17TB	
2	Fan Cover (Guard)	9359808015	9359808015	9359808015	
4	Emblem-Rear "FUJI"	9361328006	9361328006	9361328006	
5	Cabinet-A, Painted	9359797043	9359797043	9359797043	
7	Connector Cover (Panel, Top)	9358011010	9358011010	9358011010	
8	Wire Assy (Shield)-D	9359904052	9359904052	9370945041	
9	Cabinet-B, Painted	9361323025	9361323025	9361323025	
12	Base Assy, Painted	9359813019	9359813019	9359813019	
13-1	3-Way Valve (1/2) (R407C)	9363245004	9363245004	9363245004	
14-1	2-Way Valve (1/4) (R407C)	9363247008	9363247008	9363247008	
15	Dryer	9362498005	9363292008	-----	
16	Condenser Assy	9362546003	9364253008	9371970011	
17	Capillary Assy	-----	-----	9371287072	
18	Suction Pipe Assy	9362541008	-----	-----	
20	Discharge Pipe Assy	9363331004	9364864006	-----	
26	Compressor Cover-A	9362535007	9362535007	9365154007	
29	Separate Wall	9359805014	9359805014	9359805014	
32	Control Box Assy-A	9361409026	9361409026	9361409026	
34	Capacitor (Fan Motor)	9357965024	9357965024	9357965024	
37	Running Capacitor	9703107108	9703107108	9703107122	
38	Capacitor Clamp Metal	9351770013	9351770013	9351770013	
39	Propeller Fan	9359837015	9359837015	9359837015	
41	Fan Motor Assy-OUT	9600832011	9600832011	9600832011	
45-1	Motor Bracket-A	9369627002	9369627002	9369627002	
45-2	Motor Bracket-B	9371439013	9371439013	9371439013	
45-3	Motor Bracket-C	9369629006	9369629006	9369629006	
45-4	Motor Bracket-D	9369630002	9369630002	9369630002	
46	Compressor Assy	9365378007	9365378007	9371975016	
47-1	Rubber (Discharge Pipe)	313194159807	313194159807	313194159807	
55	Special Nut M8 (For Comp.)	9355091008	9355091008	9355091008	
64	Cabinet-Left, Painted	9359840046	9359840046	9359840046	
69-3	Bolt, Hex. Socket	301210060360	301210060360	301210060360	
81	Strap (For Comp.)	9362371001	9362371001	9362371001	
84	Valve Cover	9361325012	9361325012	9361325012	
85	Valve Fixing Plate	9361324015	9361324015	9361324015	
88	Restrictor Valve	-----	9364252001	-----	
107	Rubber Mount (For Comp.)	9362368001	9362368001	9351049010	
109	Terminal Cover (For Comp.)	9362369008	9362369008	9371511016	
109-1	Cover Gasket (Compressor)	-----	-----	9371512013	
109-2	Gasket Washer	-----	-----	9351053017	
109-3	Special Nut M5	-----	-----	9300301015	
117-3	Hexagon Nut (Spring Lock Washer)	301721180114	301721180114	301721180114	
128-1	Rubber (Discharge Pipe) (Counter Weight)	313155086308	313155086308	-----	
187	Clamp No. 1219	313361271706	313361271706	313361271706	
272	Strainer	-----	9364255019	9369287008	
327	Suction Pipe-A Assy	-----	9364280004	-----	
328	Compressor Plate Assy	9362273022	9362273053	9362273060	
333	Accumulator	-----	9364284002	9364284002	
334-1	Suction Pipe-B	-----	-----	9371297040	
334-2	Suction Pipe-C	-----	-----	9371297057	
334-4	Suction Pipe-D	-----	9364871004	-----	
334-5	Suction Pipe-E	-----	9365081006	-----	
335-1	Outlet Pipe-A	-----	9364867007	-----	
335-2	Outlet Pipe-B	-----	9364868004	-----	
343	Solenoid Coil	-----	9704061010	9704061010	

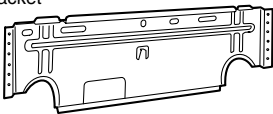
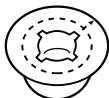
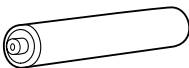
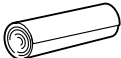
When you order parts, please make a photocopy of this page and fill the number of the parts in the "Order" column.

OUTDOOR UNIT (Continued)

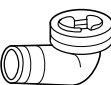
Ref. No.	Description	Part No.			Ord. Q'ty
		RO-17E	RO-17TA	RO-17TB	
344	4-Way Valve	----	9307556012	9307556012	
344-2	Inlet Pipe Assy	----	----	9371299051	
344-3	Discharge Pipe	----	----	9371590028	
344-4	Suction Pipe-D	----	----	9371297064	
344-5	Suction Pipe-E	----	----	9371297071	
348	Outlet Pipe	9362547000	----	----	
412	Terminal Gasket (For Comp.)	9362370004	9362370004	----	
477	Bellmouth	9359809012	9359809012	9359809012	
527	Protection net (Condenser Net)	9359845010	9359845010	9359845010	
620	Inlet Pipe (Cond.) Assy	----	9364240008	----	
620-4	Inlet Pipe-D	----	9364287003	----	
646	Compressor Cover-B	9362876001	9364239002	----	
653-1	Bolt (Fan Motor Fixing)	0700156014	0700156014	0700156014	
734	Cabinet Top Plate, Painted	9359799023	9359799023	9359799023	
815	Terminal-5P	----	9356497021	9356497021	
815-1	Terminal-3P	9356488005	----	----	
867	Accumulator Hold. Rubber	----	9354022027	----	
989-1	Cord Clamp-A	9359822011	9359822011	9359822011	
989-2	Cord Clamp-B	9359823018	9359823018	9359823018	

STANDARD ACCESSORIES

INDOOR UNIT ACCESSORIES

Name and Shape	Part No.	
	RS-17LA	RS-17TA
Wall hook bracket 	9304093008	9304093008
Wall cap 	313714296205	313714296205
Remote control unit 	9356765076 (AR-AB25)	9356765113 (AR-AB35)
Battery (penlight) 	0600185534	0600185534
Cable mark 	-----	9301385007
Tapping screw (Big) (ϕ 4 x 20) 	301141164200	301141164200
Tapping screw (Small) (ϕ 3 x 12) 	0700019036	0700019036
Flange screw (ϕ 4 x 10) 	9305114009	9305114009
Remote control unit holder case 	9305642014	9305642014
Cloth tape 	9308117007	9308117007
Seal-A 	9304536000	9304536000

OUTDOOR UNIT ACCESSORIES

Name and Shape	Part No.	
	RO-17E	RO-17TA / RO-17TB
Hexagon wrench 	9351228019	9351228019
Drain pipe (Including drain packing) 	-----	9303029015
Drain cap 	-----	313166024302



MANUFACTURER :

Fuji Denki Sosei Co., Ltd.

Tokyo, Japan