

SPLIT TYPE ROOM AIR CONDITIONER WALL MOUNTED type

SERVICE MANUAL



Models	Indoor unit	Outdoor unit
	ASY7FSBCW	AOY7FSBC
	ASY7USBCW	AOY7USBC

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SPECIFICATIONS

TYPE		Cooling	Cooling and Heat-pump heating
INDOOR UNIT		ASY7FSBCW	ASY7USBCW
OUTDOOR UNIT		AOY7FSBC	AOY7USBC
COOLING CAPACITY	(kW)	2.25	2.20
HEATING CAPACITY	(kW)	-----	2.30

ELECTRICAL DATA

POWER SOURCE		Single-phase 230V 50Hz	
RUNNING CURRENT (A)	COOLING	3.7	3.9
	HEATING	-----	3.6
INPUT WATTS (kW)	COOLING	0.80	0.83
	HEATING	-----	0.75
E.E.R. (kW/kW)	COOLING	2.81	2.65
	HEATING	-----	3.07
MOISTURE REMOVAL (ℓ/hr)		1.0	1.0
AIR CIRCULATION-Hi (m³/hr)		380	380

COMPRESSOR

TYPE		Rotary	
CODE		802-100-35 (F)	
REFRIGERANT	R410A (g)	550	600

FAN MOTOR

POWER SOURCE	(V)	230	
INDOOR UNIT	TYPE	MFA-40GR	
	HI-SPEED (r.p.m.)	1,280	
	MED-SPEED (r.p.m.)	1,170	
	LO-SPEED (r.p.m.)	1,060	
OUTDOOR UNIT	TYPE	MFB-07ATW	
	HI- SPEED (r.p.m.)	790	

DIMENSIONS

INDOOR UNIT	H x W x D (mm)	257 x 808 x 187
OUTDOOR UNIT	H x W x D (mm)	535 x 650 x 250

WEIGHT

INDOOR UNIT	GROSS / NET (kg)	10 / 8	10 / 8
OUTDOOR UNIT	GROSS / NET (kg)	27 / 25	28 / 26

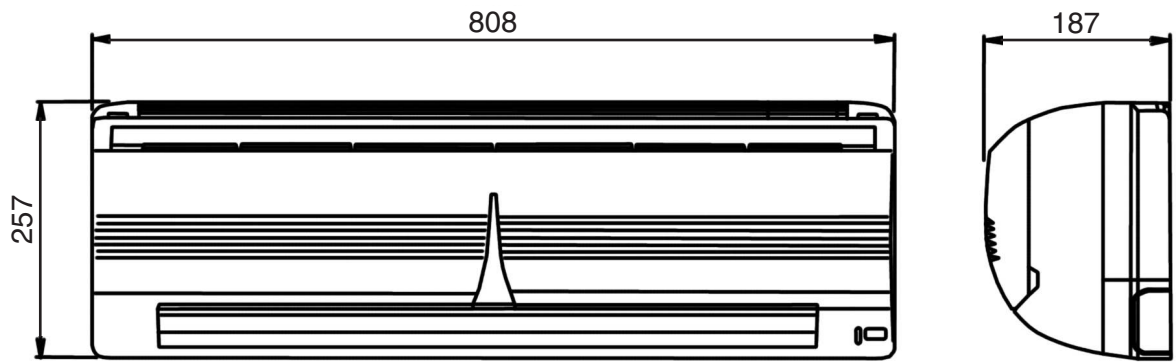
REFRIGERANT CHARGE (R410A)

Pipe length	7.5 m (ft.)	550 g	600 g
	10.0 m (ft.)	600 g	650 g
Additional Charge		20g / m	20g / m
Chargeless		7.5 m	7.5 m
MAX PIPE LENGTH		10 m	10 m
MAX ELEVATION		5 m	5 m

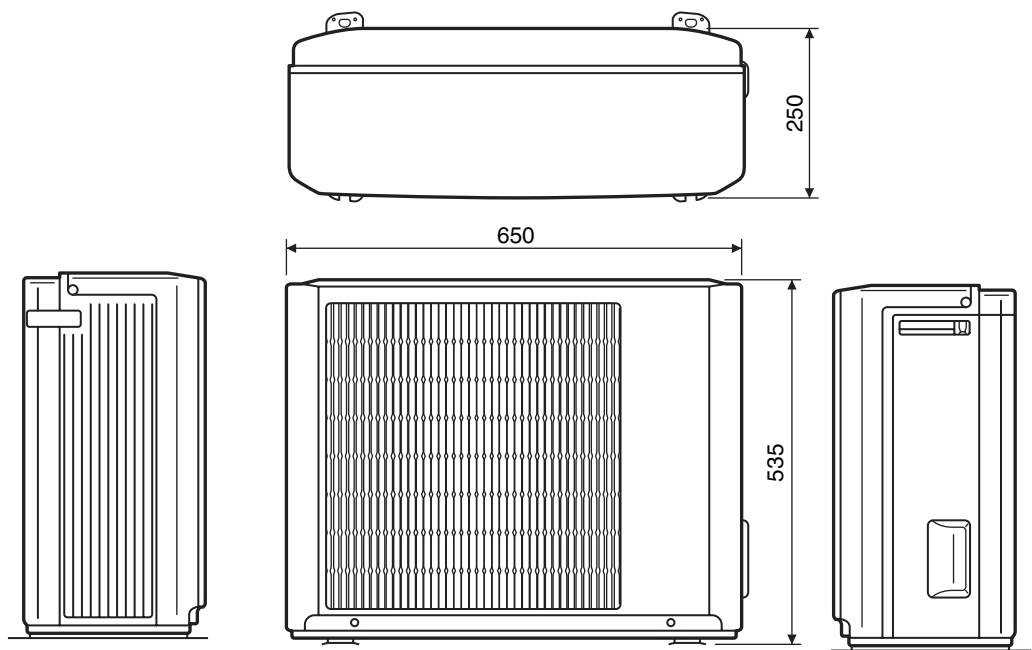
DIMENSIONS

Unit : mm

Models : ASY7FSBCW
ASY7USBCW

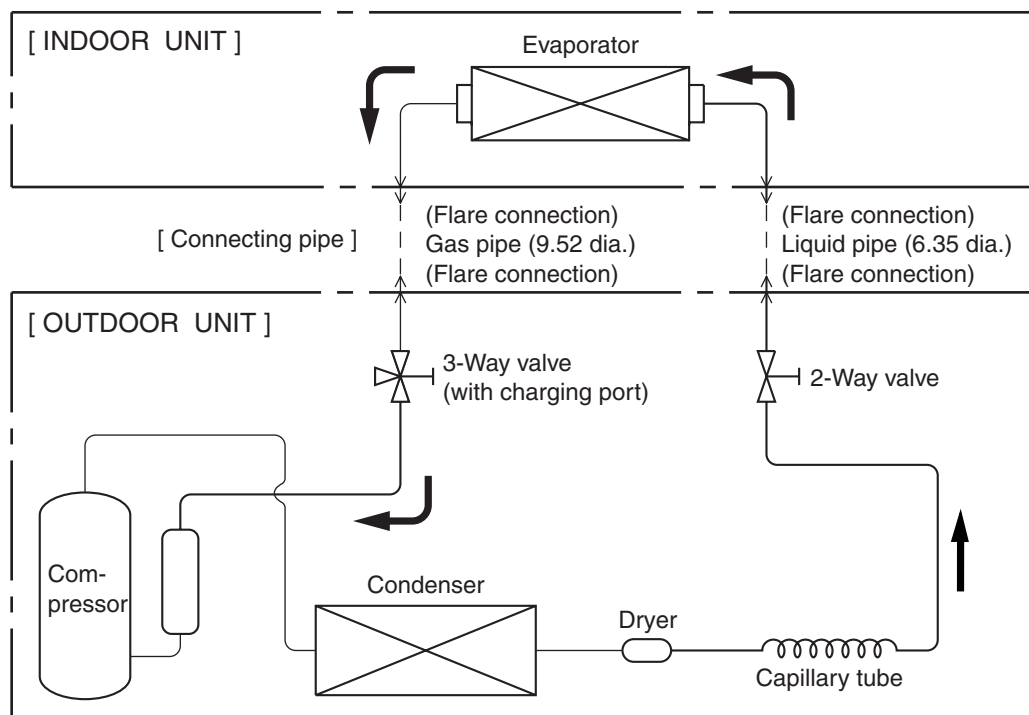


Models : AOY7FSBC
AOY7USBC

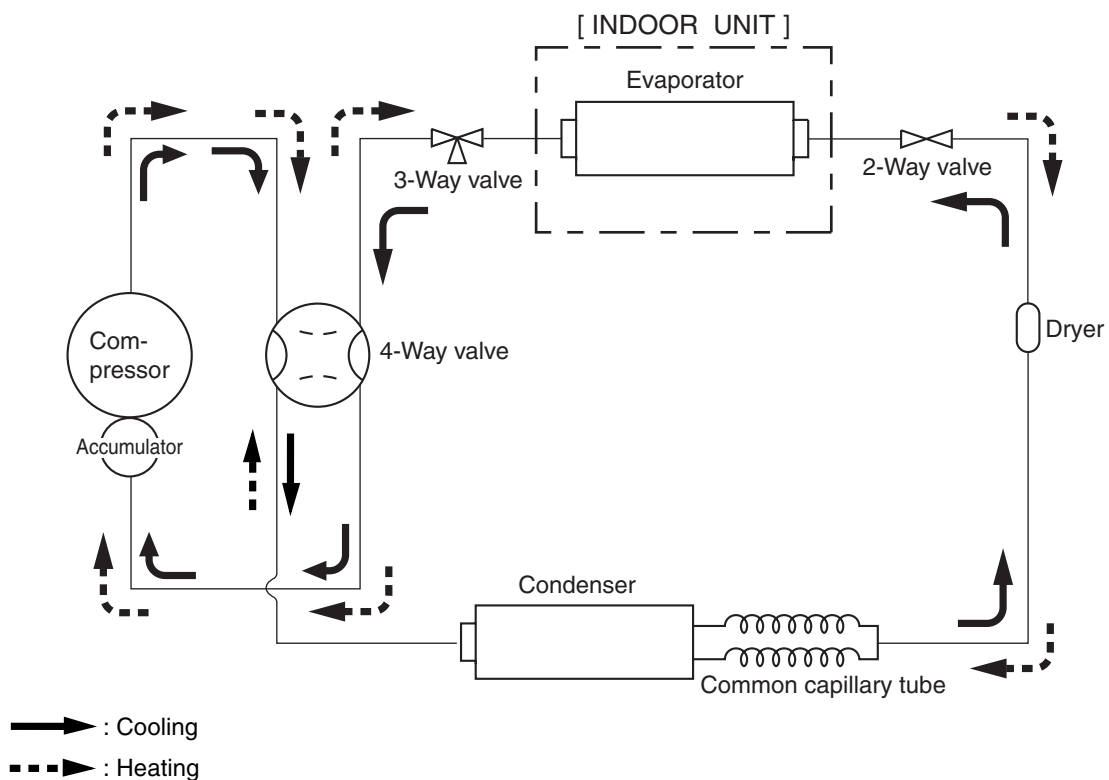


REFRIGERANT SYSTEM DIAGRAM

Models : ASY7FSBCW / AOY7FSBC

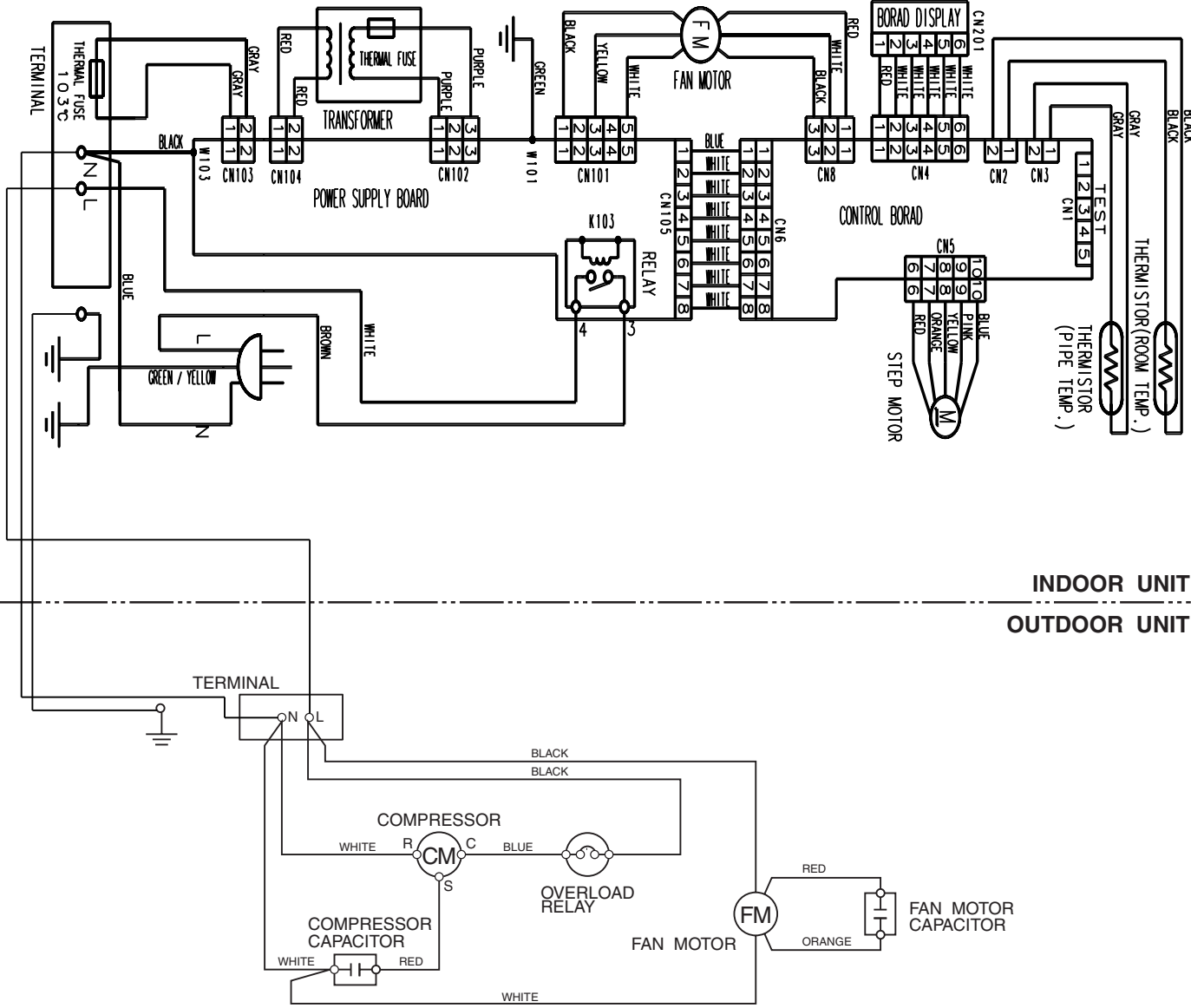


Models : ASY7USBCW / AOY7USBC

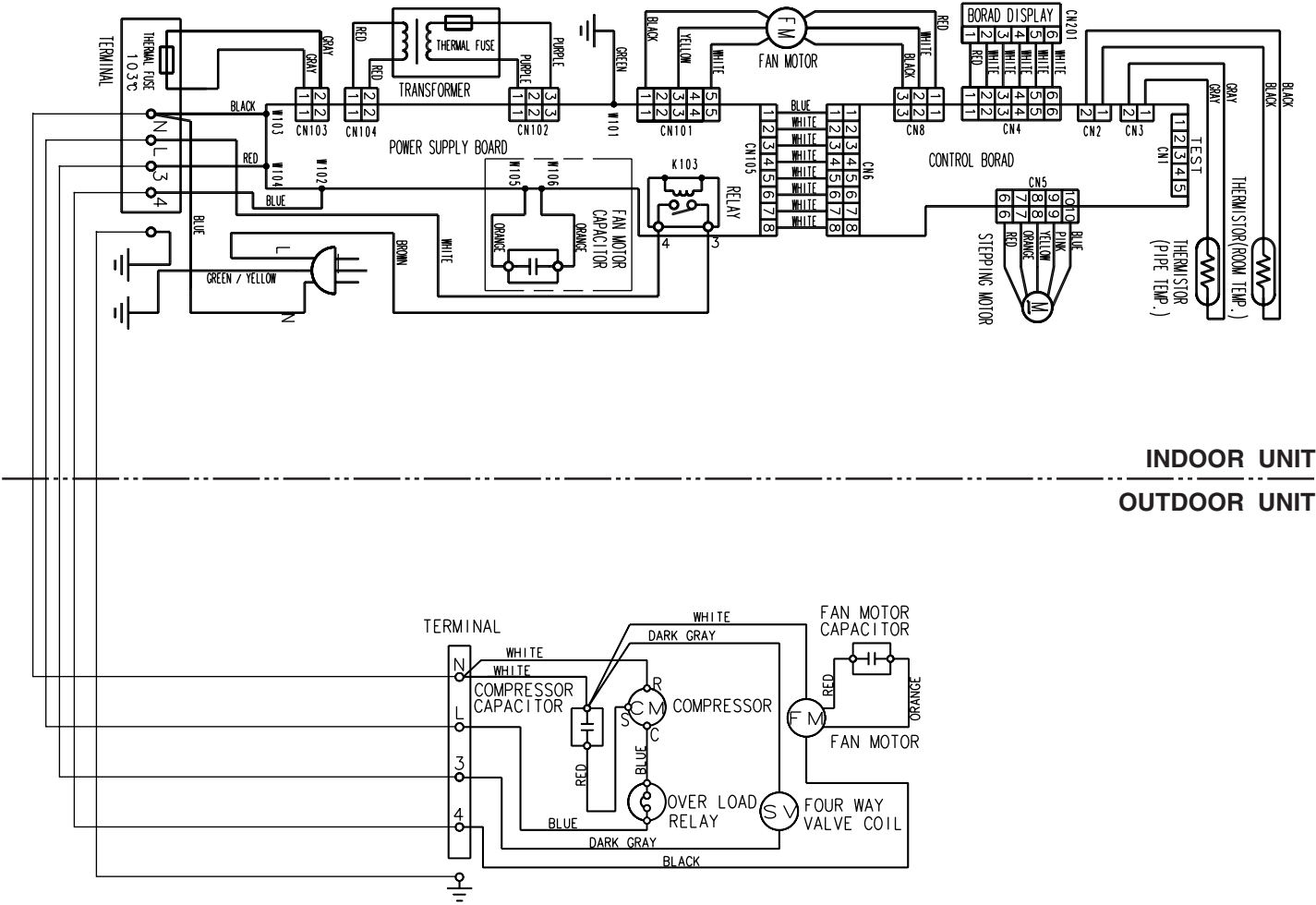


CIRCUIT DIAGRAM

Models : ASY7FSBCW / AOY7FSBC



Models : ASY7USBCW / AOY7USBC



INDOOR UNIT
OUTDOOR UNIT

ERROR DISPLAY

Troubleshooting check table

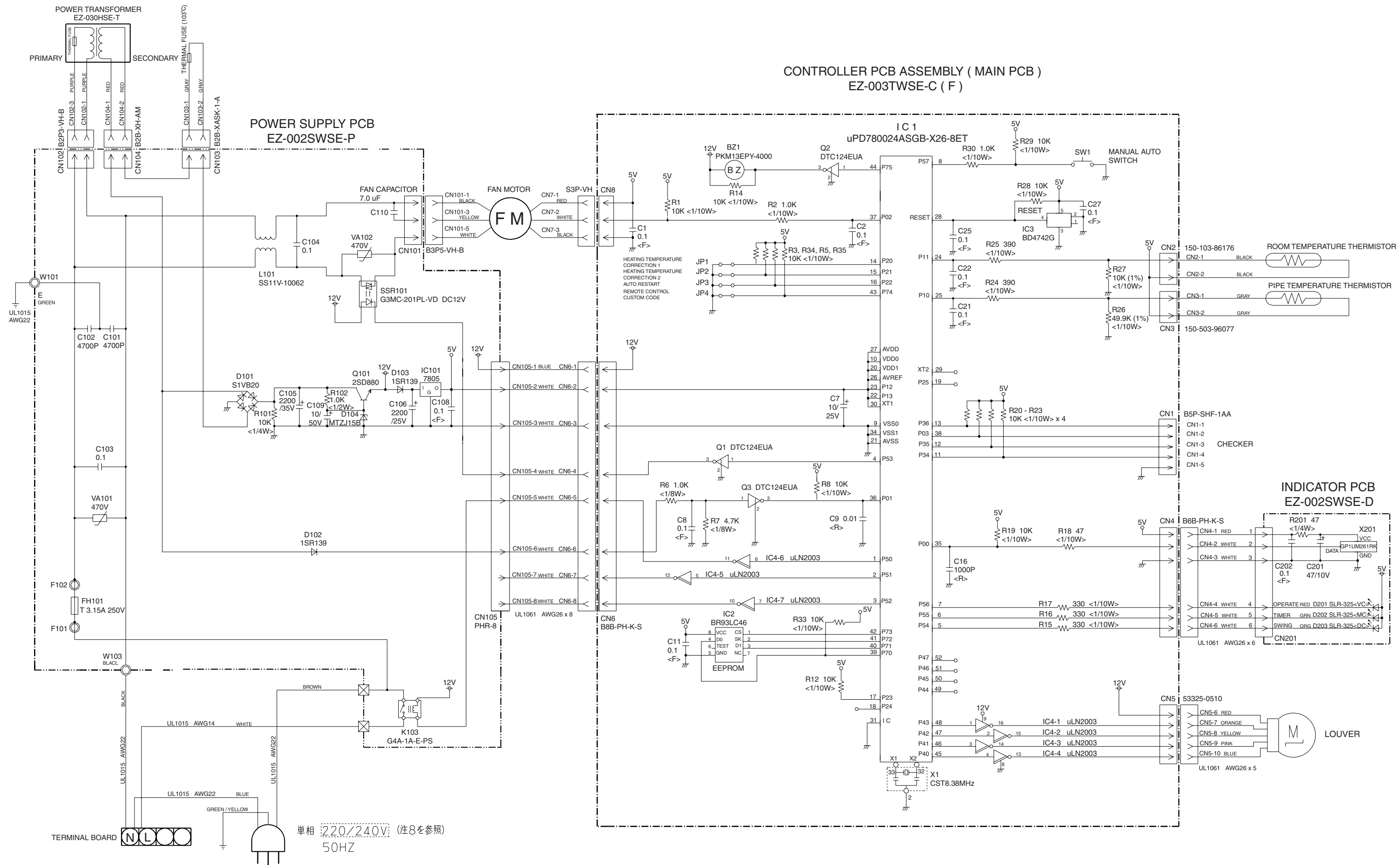
Operation lamp : Red lamp
Timer lamp : Green lamp

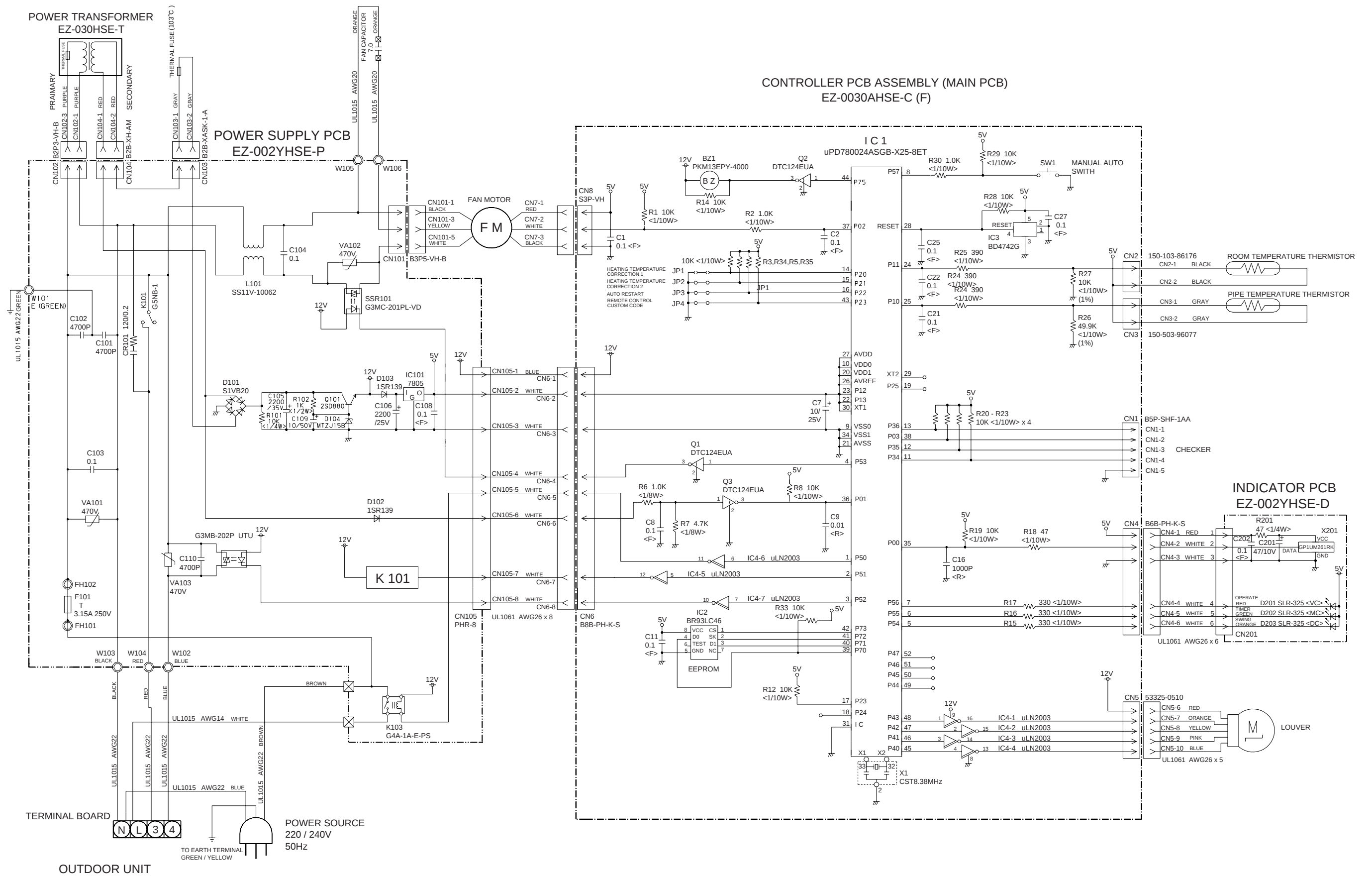
Large division indication			Small division indication		
Error contents	LED indication		Error contents	LED indication	
thermistor error	RED lamp Green lamp	● (2 times) ○	thermistor error (room temp.)	RED lamp	○
				Green lamp	● (2 times)
control unit error (indoor unit)	RED lamp Green lamp	● (4 times) ○	thermistor error (heat exchanger)	RED lamp	○
				Green lamp	● (3 times)
fan motor error (indoor unit)	RED lamp Green lamp	● (6 times) ○	MANUAL AUTO button error	RED lamp	○
				Green lamp	● (2 times)
			power source Hz decision error	RED lamp	○
				Green lamp	● (4 times)
			lock error	RED lamp	○
				Green lamp	● (2 times)
			rpm error	RED lamp	○
				Green lamp	● (3 times)

● : 0.5s ON/OFF repeated

○ : 0.1s ON/OFF repeated

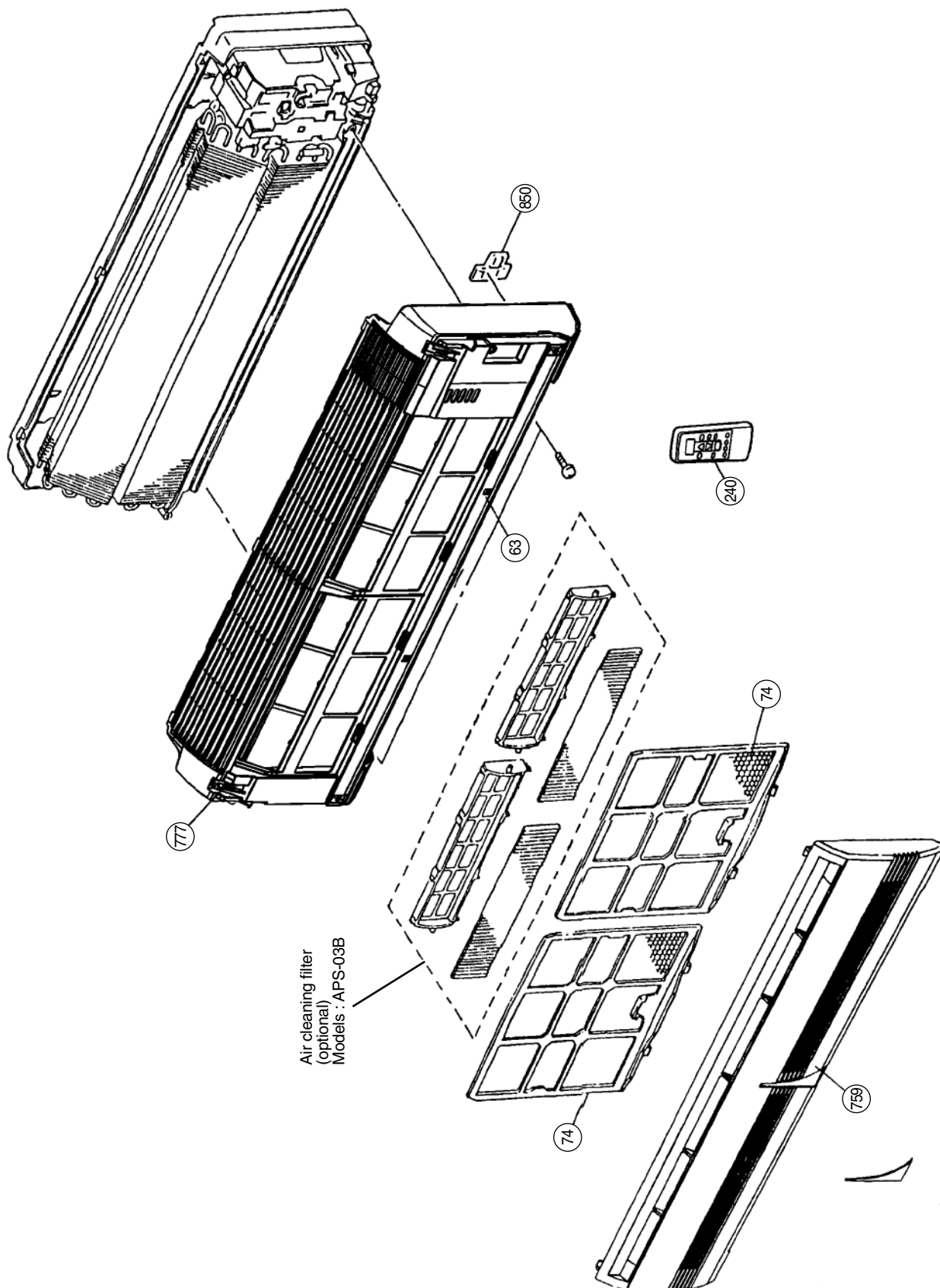
Model : ASY7FSBCW

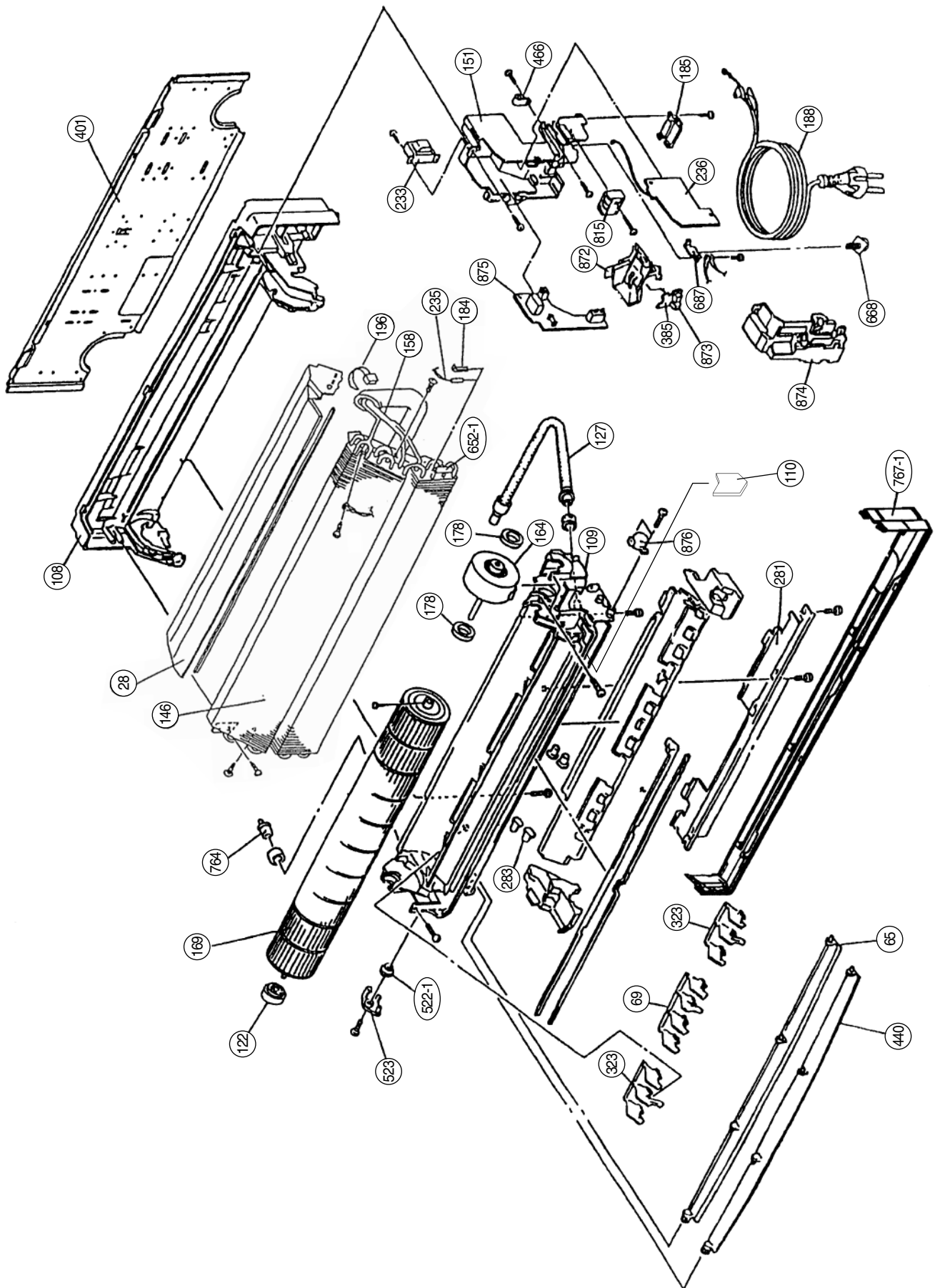


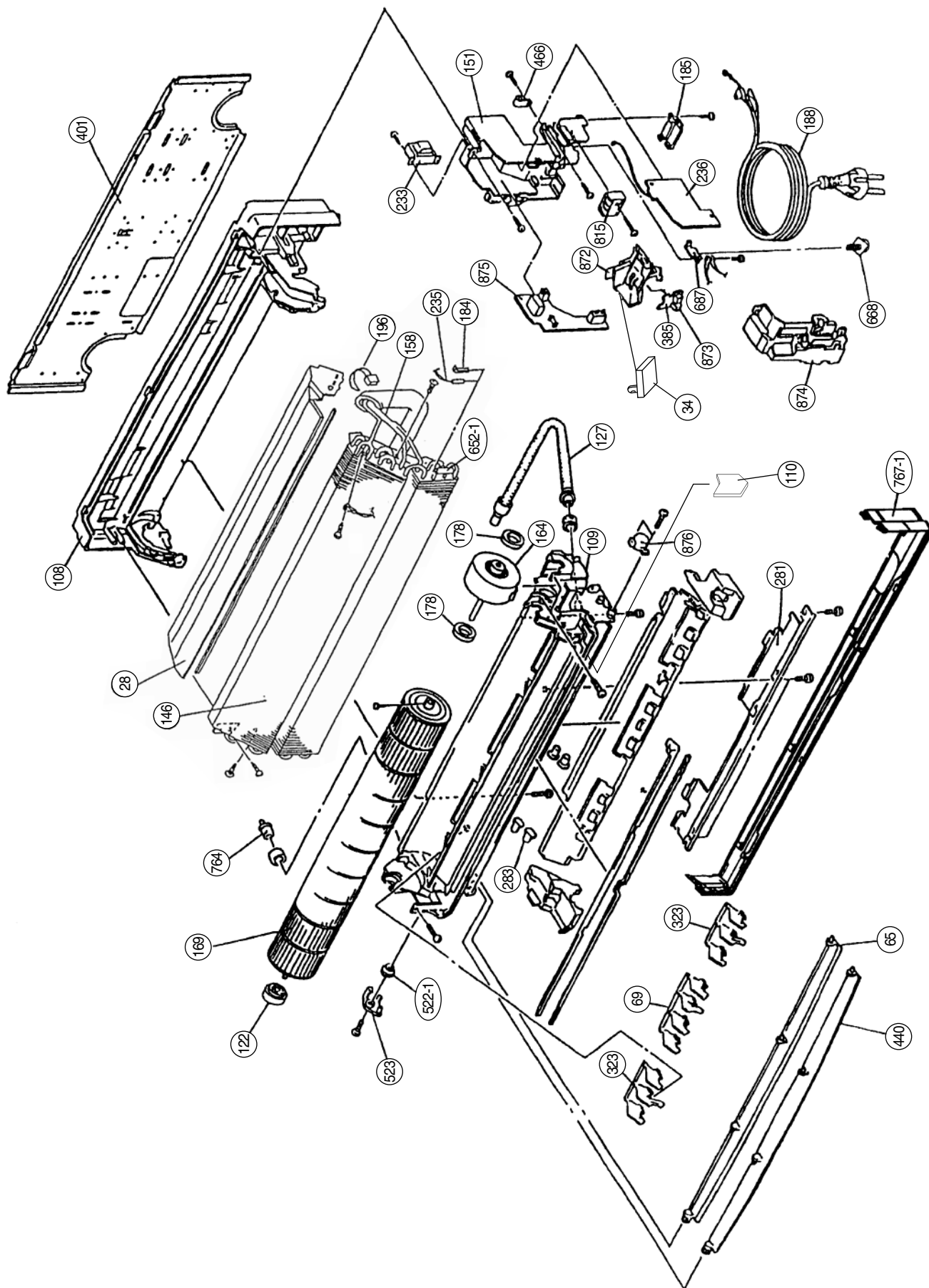


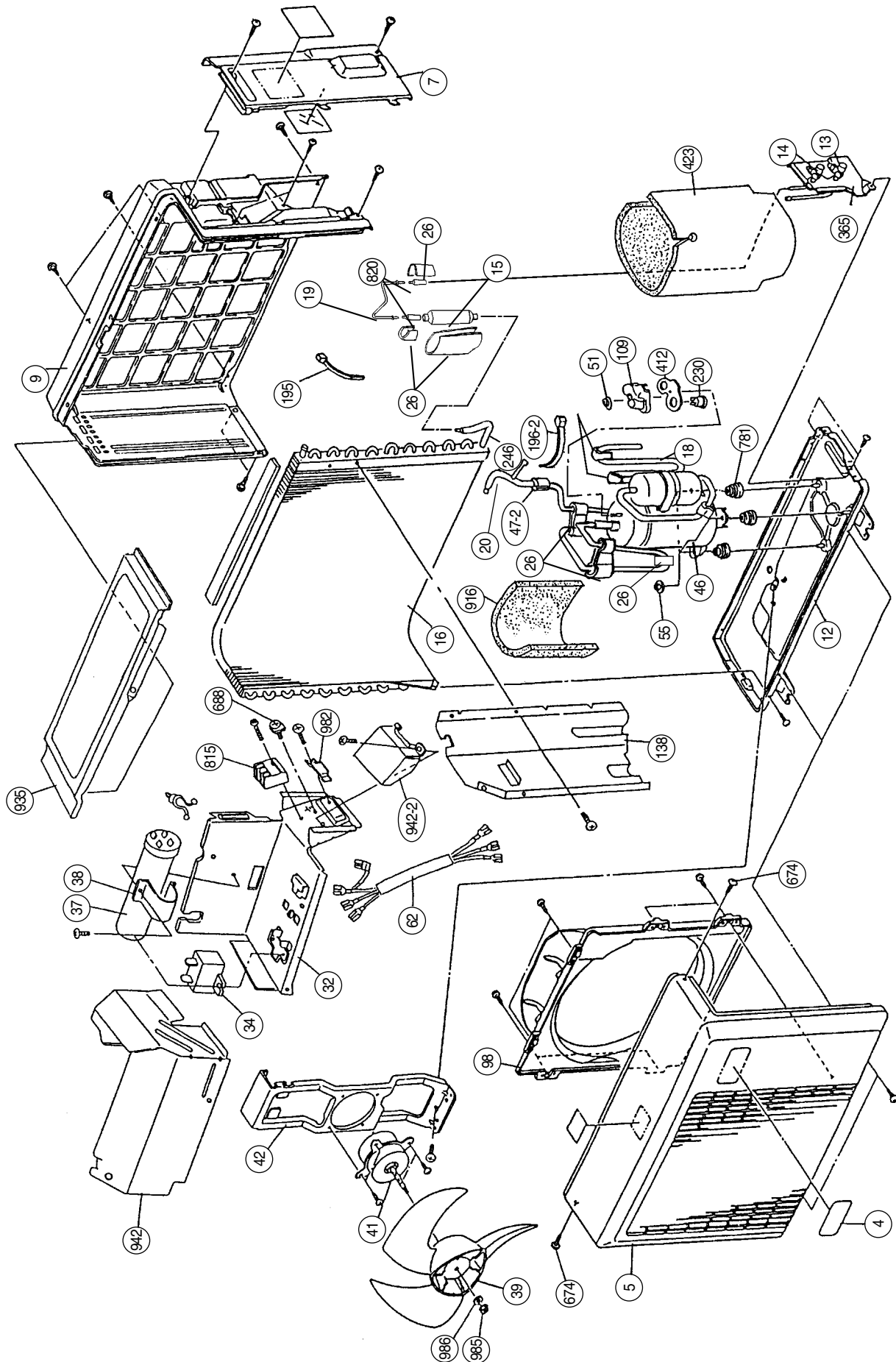
DISASSEMBLY ILLUSTRATION

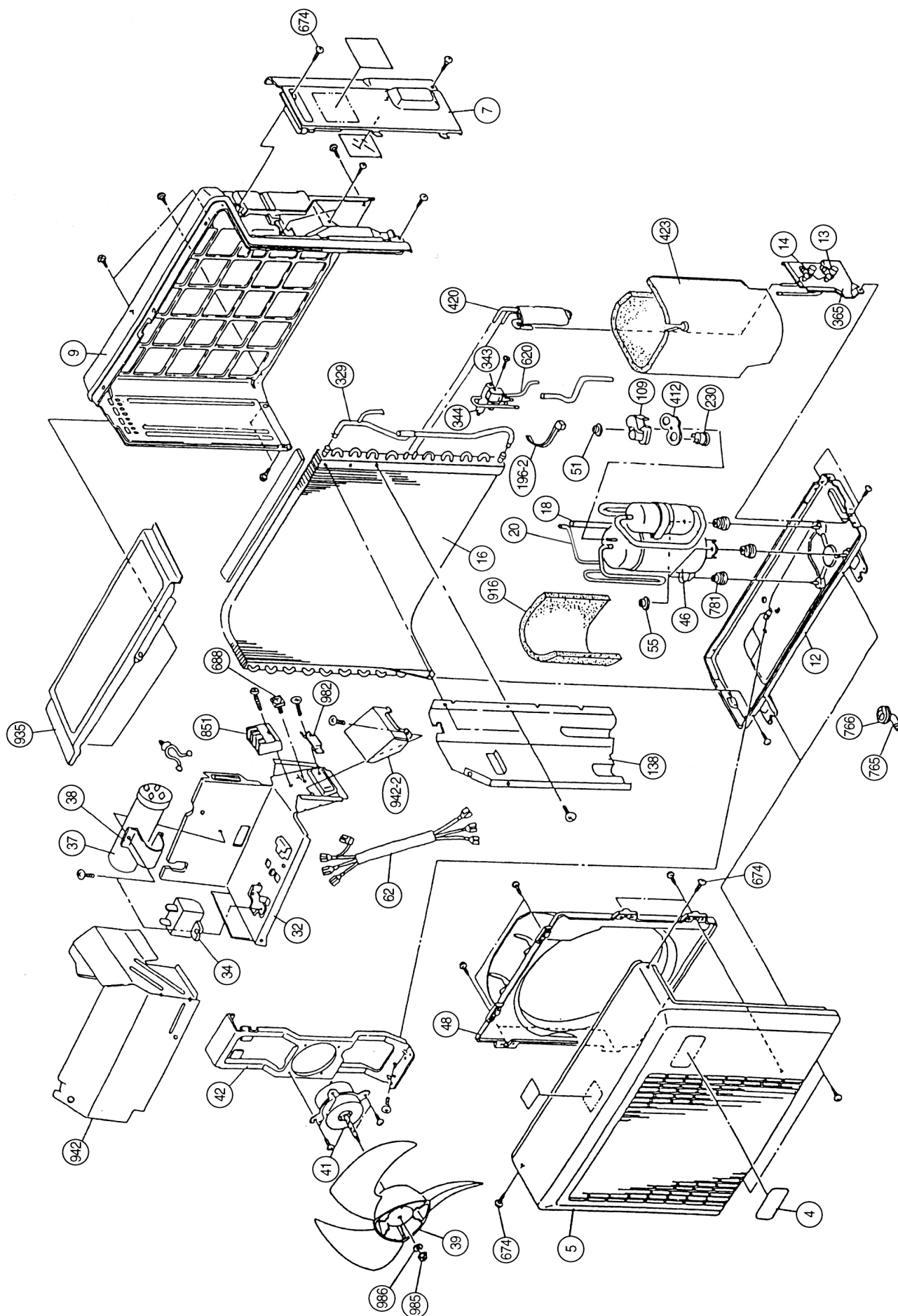
Model : ASY7FSBCW
ASY7USBCW











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.

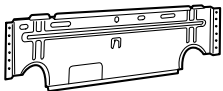
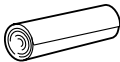
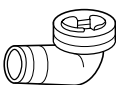
Ref. No.	Description	Part No.		Ord. Q'ty	Ref. No.	Description	Part No.		Ord. Q'ty
		ASY7F5BCW	ASY7U5BCW				ASY7F5BCW	ASY7U5BCW	
28	Blower Cover	9306462000	9306462000		281	Clamp Metal(Pipe)	9306063009	9306063009	
34	Capacitor(Fan Motor)	9900133016	9900089061		283	Bushing-A	9303529010	9303529010	
63	Front Panel Assy	9312417032	9312417032		323	Louver-B	9306056025	9306056025	
65	Flow Control Panel-Z	9306058043	9306058012		385	Indicator PCB Assy	->Ref.900	->Ref.900	
69	Louver-A	9306055028	9306055028		401	Wall Hook Bracket	9304358008	9304358008	
74	Filter	9305444014	9305444014		440	Flow Control Panel-U	9306057046	9306057015	
108	Base	9309755062	9309755062		466	Clamp NK-4N	313714328805	313714328805	
109	Casing	9306052027	9306052027		522-1	Gear-A	9306062002	9306062002	
110	H-INS(CASING)R	not available	not available		523	Gear Bracket	9306407001	9306407001	
122	Shaft Holder-B	9303066010	9303066010		652-1	Thermistor Holder Pipe	313714262805	313714262805	
127	Drain Hose Assy	9305550029	9305550029		687	Earth Terminal	9330012011	9330012011	
146	Evaporator Assy	9308559036	9308559036		688	Screw w/Washer	313681304205	313681304205	
151	Control Box	9330007017	9330007017		759	Intake Grille (FUJITSU)	9330001015	9330001015	
158	Connecting Pipe Assy	9306416010	9306416010		764	Drain Cap Assy	9304150008	9304150008	
164	Fan Motor Assy-IN	9601172017	9601172017		767-1	Bottom Cover	9330004016	9330004016	
169	Cross-Flow Fan Assy	9307836015	9305435012		777	Clamper(Grille)	9306755010	9306755010	
178	Motor Cushion-M	9601302018	9601302018		815	Terminal	9900040062	9900040048	
184	Thermistor Spring	313728262708	313728262708		850	Window (Receiver)	9330003019	9330003019	
185	Wire Clamp	not available	not available		872	Indicator Case	9330009011	9330009011	
188	Power Cord Assy	9704097033	9702595043		873	Lamp Cover	9330014015	9330014015	
196	Clamp SKB-150	313035356905	313035356905		874	Control Box Cover	9330008014	9330008014	
233	Power Transformer	9701803026	9701803026		875	Power Supply PCB	->Ref.900	->Ref.900	
235	Thermistor Assy-Pipe	9702039059	9702039059		876	Step Motor	9900139018	9900139018	
236	Controller PCB Assy	9704865175	9704865168		900	PWB Assy	9704871015	9704870018	
240	Remote Control Unit	9312058037	9312058020						

OUTDOOR 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
		AOY7FSBC				AOY7USBC	
4	Emblem-Rear (FUJITSU)	9308468017		4	Emblem-Rear(FUJITSU)	9308468017	
5	Cabinet Front Panel, Plastic	9306016012		5	Cabinet Front Panel, Plastic	9306016012	
7	Connector Cover	9306018016		7	Connector Cover	9306018016	
9	Cabinet Rear Panel, Plastic	9306017019		9	Cabinet Rear Panel, Plastic	9306017019	
12	Base Assy, Painted	9304806059		12	Base Assy, Painted	9304806042	
13	3-Way Valve	9312863013		13	3-Way Valve	9312863013	
14	2-Way Valve	9312862016		14	2-Way Valve	9312862016	
15	Dryer	9312056002		16	Condenser Assy	9309104020	
16	Condenser Assy	9309065024		18	Suction Pipe	->Ref.345	
18	Suction Pipe	not available		20	Discharge Pipe	->Ref.345	
19	Capillary Tube Assy	9313013011		32	Control Box Metal	9306475024	
20	Discharge Pipe Assy	not available		34	Capacitor (Fan Motor)	9900089023	
26	BR Sheet 80 x 50 x T2	9305039180		37	Capacitor (Running)	9307588082	
	BR Sheet 110 x 130 x T2	9305039197		38	Clamp Metal (Capacitor)	313468061808	
	BR Sheet 30 x 120 x T7	9305039036		39	Propeller Fan	9306565015	
	BR Sheet 30 x 120 x T3	not available		41	Fan Motor Assy-Out	9601371014	
32	Control Box Metal	9306475024		42	Bracket (Motor)	9306021016	
34	Capacitor (Fan Motor)	9700467045		46	Compressor Assy	9313010010	
37	Capacitor (Running)	9307588082		48	Fan Ring	9306019013	
38	Clamp Metal (Capacitor)	313468061808		51	Special Nut M5	9312163007	
39	Propeller Fan	9306565015		55	Special Nut M6	9307615016	
41	Fan Motor Assy-Out	9601371014		62	Wire Assy (Shield)-A	9305791026	
42	Bracket (Motor)	9306021016		109	Terminal Cover	9302419008	
46	Compressor Assy	9313009014		138	Separate Wall Metal	9306474003	
47-2	Rubber (Discharge Pipe)	313185159802		195	Clamp SKB-100	313361275805	
51	Special Nut M5	313199233602		196-2	Clamp SKB-3MC	9305335008	
55	Special Nut M8	9307615016		230	Overload Relay	9309128002	
62	Wire Assy (Shield)-A	9305695027		343	Solenoid Coil	9970003011	
98	Fan Ring	9306019020		344	4-Way Valve	9900162016	
109	Terminal Cover	9302419008		345	4-Way Valve Assy	9313017019	
138	Separate Wall Metal	9306474003		365	Bracket (Valve)	9306020026	
195	Clamp SKB-100	313361275805		412	Terminal Gasket (For Comp.)	9351505011	
196-2	Clamp SKB-3MC	9305335008		420	Capillary Assy	9313011017	
230	Overload Relay	9309128002		423	Noise Insulation-F	9306937010	
246	Outlet Pipe (Cond.)	9308669001		674	Screw, SUS410T+5014	9305848010	
365	Bracket (Valve)	9306020040			Screw, Tapping SUS410T+4010	9306379001	
412	Terminal Gasket (For Comp.)	9351505011		A	Screw (For Earth)	9357297002	
423	Noise Insulation-F	9306937010		688	Screw w/Washer	313681304205	
674	Screw, SUS410T+5014	9307303012		765	Drain Pipe (L-type)	9301102000	
	Screw, Tapping SUS410T+4010	9306379001		766	Drain Pipe Packing	9301143003	
A	Screw, Tapping Coating SUS410T+4008	9304885009		781	Rubber Cushion	9312680016	
688	Screw (For Earth)	9357297002		815	Terminal-4P	9306488017	
781	Screw w/Washer	313681304205		916	Noise Insulation-A	9313028008	
815	Rubber Cushion	9312680016		935	Reinforcement Plate	9306473006	
820	Terminal-2P	9306489014		942	Control Box Cover Metal	9306476007	
916	Joint Pipe (Capillary)	->Ref.19		942-2	Control Box Cover-B Metal	9305975006	
935	Noise Insulation-A	9313028008		982	Cord Clamp, Plastic	9302271002	
942	Reinforcement Plate	9306473006		985	Special Nut w/Washer	9304902003	
942-2	Control Box Cover Metal	9306476007		986	Special Washer	9304903000	
	Control Box Cover-B Metal	9305975006		----	BR Sheet 30x120x T3	9300389082	
982	Cord Clamp, Plastic	9302271002		----	BR Sheet 30x120x T7	9305039036	
985	Special Nut w/Washer	9304902003		----	BR Sheet 180x180x T2	9305039067	
986	Special Washer	9304903000					

STANDARD ACCESSORIES

Name and Shape	Part No.	
	ASY7FSBCW	ASY7USBCW
Wall hook bracket 	9304358008	9304358008
Remote control unit 	9312058037	9312058020
Battery (penlight) 	0600185534	0600185534
Tapping screw ($\varnothing 4 \times 25$) 	0700076046	0700076046
Cloth tape 	9308117007	9308117007
Drain pipe (Including drain packing) 	_____	9303029015

