

GENERAL

SPLIT TYPE ROOM AIR CONDITIONER

CEILING type (50Hz)

SERVICE MANUAL

Models	Indoor unit	Outdoor unit
	ABG30AGA-W	AOG30ABJL
	ABG30RGA-W	AOG30RBJL
	ABG36AGB3W	AOG36ACA3L
	ABG36RGB3W	AOG36RCD3L
	ABG45AGB3W	AOG45ACA3L
	ABG45RGB3W	AOG45RCD3L

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SPECIFICATIONS

TYPE	COOLING	COOLING & HEATING	COOLING	COOLING & HEATING	COOLING	COOLING & HEATING
INDOOR UNIT	ABG30AGA-W	ABG30RGA-W	ABG36AGB3W	ABG36RGB3W	ABG45AGB3W	ABG45RGB3W
OUTDOOR UNIT	AOG30ABJL	AOG30RBJL	AOG36ACA3L	AOG36RCD3L	AOG45ACA3L	AOG45RCD3L
COOLING CAPACITY (kW)	8.6 - 8.8	8.6 - 8.8	10.3 - 10.5	10.3 - 10.5	12.4 - 12.7	12.4 - 12.7
HEATING CAPACITY (kW)	—	8.8 - 9.1	—	10.5 - 10.7	—	13.4 - 13.7

ELECTRICAL SPECIFICATIONS

POWER SUPPLY (V)	220 - 240		380 - 415			
FREQUENCY (Hz)	1 φ 50		3 φ 50			
RUNNING CURRENT (A)	COOLING	15.8 - 16.3	16.0 - 16.5	6.4 - 6.4	6.6 - 6.6	7.5 - 7.5
	HEATING	—	14.1 - 14.6	—	6.1 - 5.8	7.4 - 7.4
INPUT (kW)	COOLING	3.3 - 3.4	3.35 - 3.45	3.73 - 3.80	3.88 - 3.95	4.45 - 4.57
	HEATING	—	2.9 - 3.0	—	3.18 - 3.25	4.23 - 4.35
EER (kW/kW)	COOLING	2.61 - 2.59	2.57 - 2.55	2.76 - 2.76	2.65 - 2.66	2.79 - 2.78
	HEATING	—	3.03 - 3.03	—	3.30 - 3.29	3.17 - 3.15
MOISTURE REMOVAL (ℓ/hr)	4.0		4.0		5.5	
AIR CIRCULATION-HI (m³/hr)	1,300		1,660		1,800	

COMPRESSOR

TYPE	Hermetic type 2 poles, induced by Condenser		Hermetic type, 2 pole, 3- phase, Induction motor			
CODE	H23A42QABKA		ORLO-0350-TFD		CRPD-0450-TFD	
REFRIGERANT R-22 (g)	2,650	2,850	2,150	2,800	3,150	3,400

FAN MOTOR

POWER SUPPLY (V)	220 - 240			
INDOOR UNIT	TYPE	MFA-45DZM		MFA-45DZM
	HI-SPEED (r.p.m.)	850		1,000
	MED-SPEED (r.p.m.)	750		900
	LO-SPEED (r.p.m.)	600		750
OUTDOOR UNIT	TYPE	MFB-30DF		MFB-362F
	HI-SPEED (r.p.m.)	730	760	790
	LO-SPEED (r.p.m.)	450	420	510

DIMENSIONS

INDOOR UNIT	(HEIGHT) 240mm × (WIDTH) 1,660mm × (DEPTH) 700mm
OUTDOOR UNIT	(H)900mm × (W)900mm × (D)350mm (HEIGHT) 1,152mm × (WIDTH) 940mm × (DEPTH) 370mm

WEIGHT

INDOOR UNIT	GROSS / NET (kg)	61 / 48		61 / 48		61 / 48	
OUTDOOR UNIT	GROSS / NET (kg)	96 / 84	97 / 85	108 / 94	110 / 96	116 / 102	122 / 108

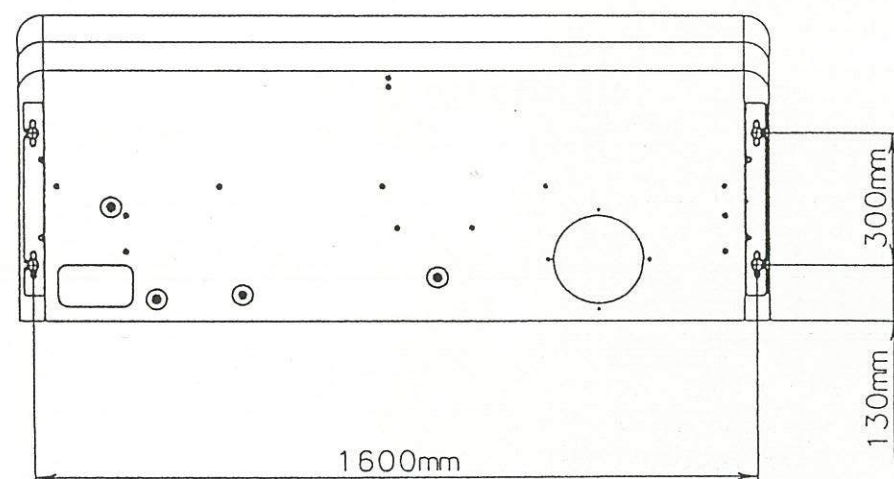
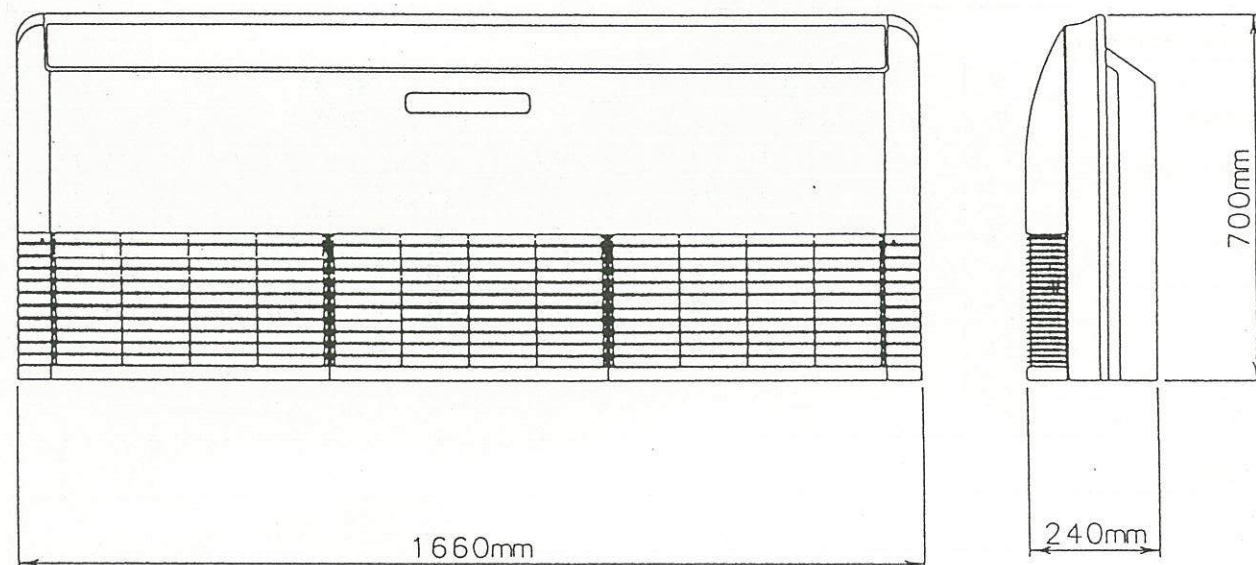
ADDITIONAL REFRIGERANT

PIPE LENGTH	5 m(16 ft)	10 m(33 ft)	20 m(66 ft)	25 m(82 ft)	30 m(99 ft)	40 m(132 ft)	50 m(164 ft)
FULL CHARGE AMOUNT	ABG30A	2,650 g(93.5 oz.)	2,735 g(96.5 oz.)	2,905 g(102.5 oz.)	2,990 g(105.5 oz.)	3,075 g(108.5 oz.)	—
	ABG30R	2,850 g(100.5 oz.)	3,050 g(107.6 oz.)	3,450 g(121.7 oz.)	3,650 g(128.8 oz.)	—	—
	ABG36A	2,150 g(75.8 oz.)	2,285 g(80.6 oz.)	2,555 g(90.1 oz.)	2,690 g(94.9 oz.)	2,825 g(99.6 oz.)	3,095 g(109.2 oz.)
	ABG36R	—	2,800 g(98.8 oz.)	—	3,000 g(105.9 oz.)	3,200 g(112.9 oz.)	3,600 g(127.0 oz.)
	ABG45A	—	3,150 g(111.1 oz.)	—	3,350 g(118.2 oz.)	3,550 g(125.2 oz.)	3,950 g(139.3 oz.)
	ABG45R	—	3,400 g(119.9 oz.)	—	3,600 g(127.0 oz.)	3,800 g(134.0 oz.)	4,200 g(148.2 oz.)

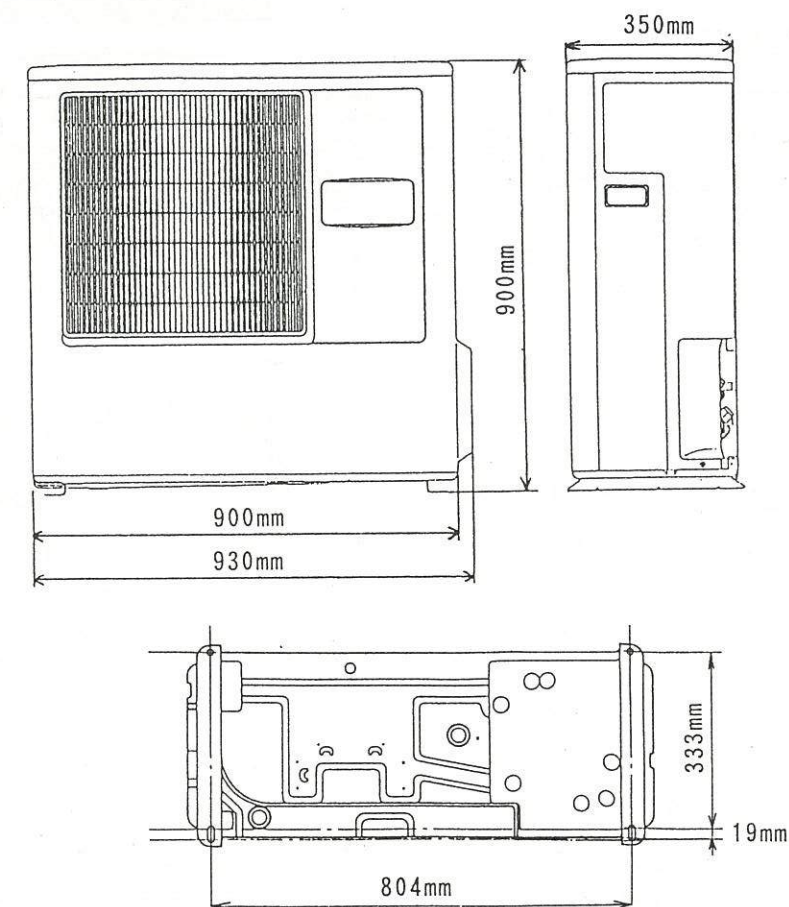
Note : - Between 5 m and 50 m, when using a connection pipe other than that in the table, charge additional refrigerant with 17 g(0.6 oz.)/1 m(3.3 ft) for 30A Model, 27 g(0.95 oz.)/1 m(3.3 ft) for 36A Model, 40 g(1.41 oz.)/1 m(3.3 ft) for 30R 36R, 45A, 45R Models as the criteria.
 - Additional gas charge is not necessary with pipe length up to 20 m. (For 36R, 45A, 45R types), and to 5 m (for 30A, 30R type).

OUTLINE AND DIMENSIONS

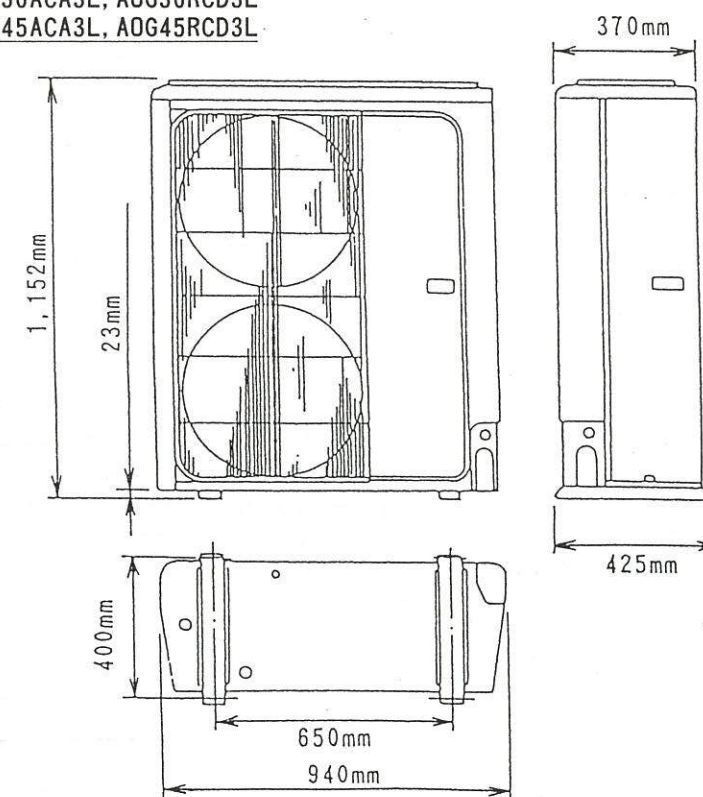
Models : ABG30AGA-W, ABG30RGA-W
ABG36AGB3W, ABG36RGB3W
ABG45AGB3W, ABG45RGB3W



Models : ABG30ABJL, ABG30RBJL

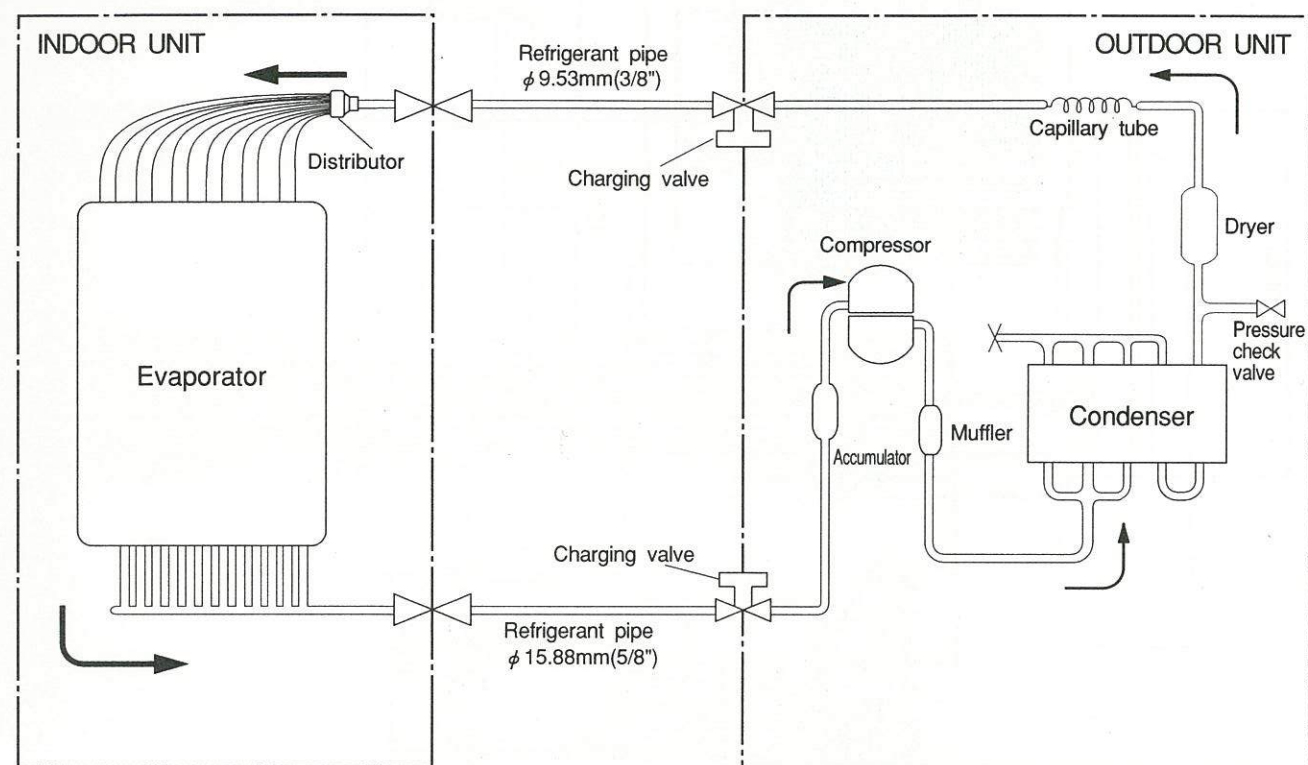


Models : AOG36ACA3L, AOG36RCD3L
AOG45ACA3L, AOG45RCD3L

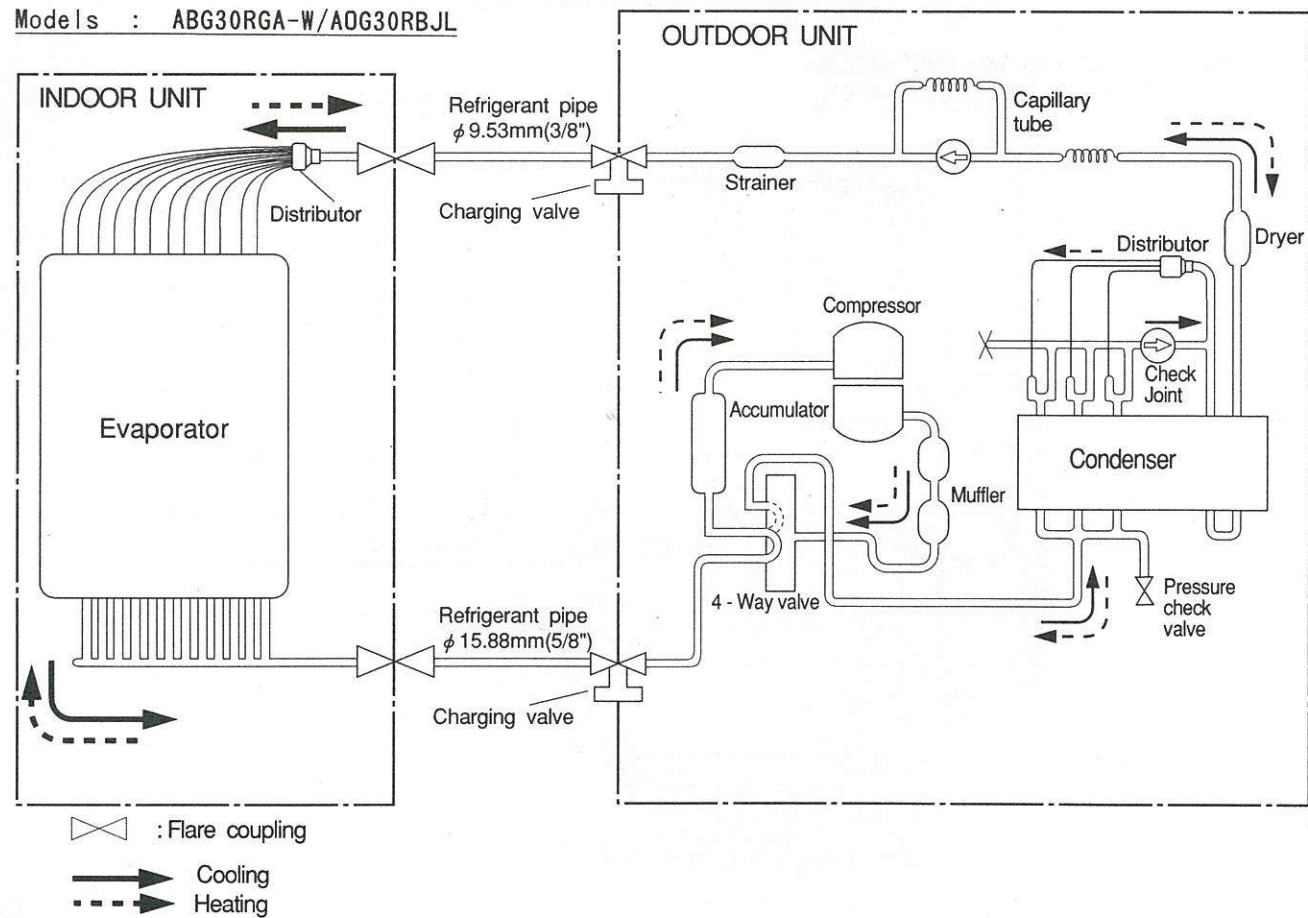


REFRIGERANT SYSTEM DIAGRAM

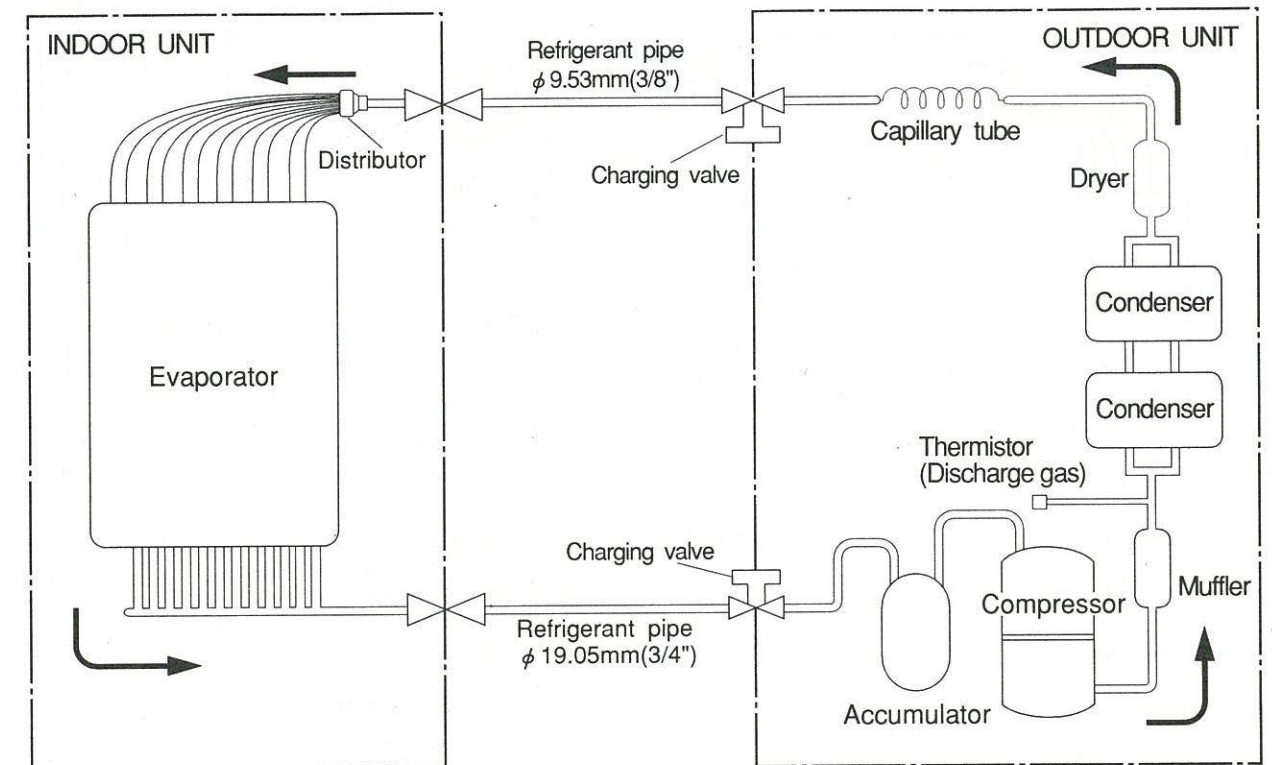
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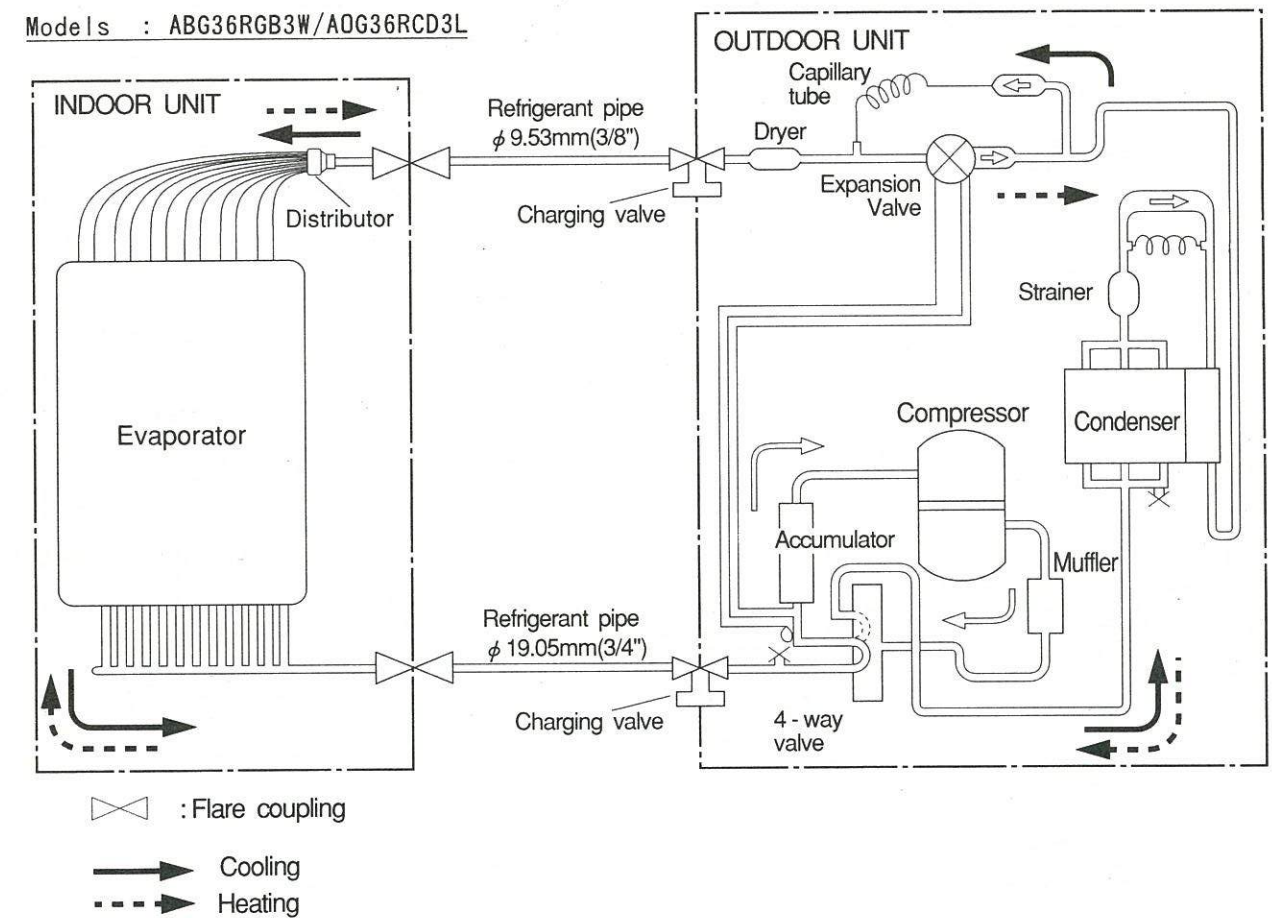
Models : ABG30RGA-W/AOG30RBJL



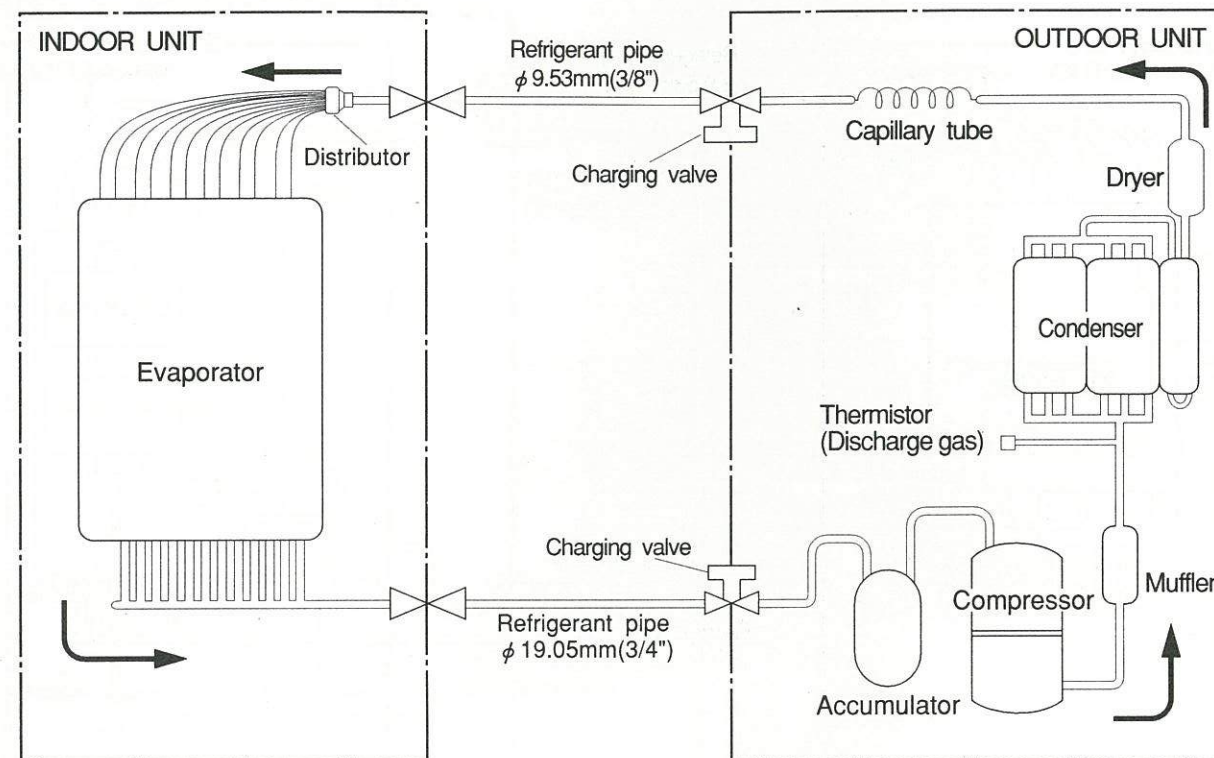
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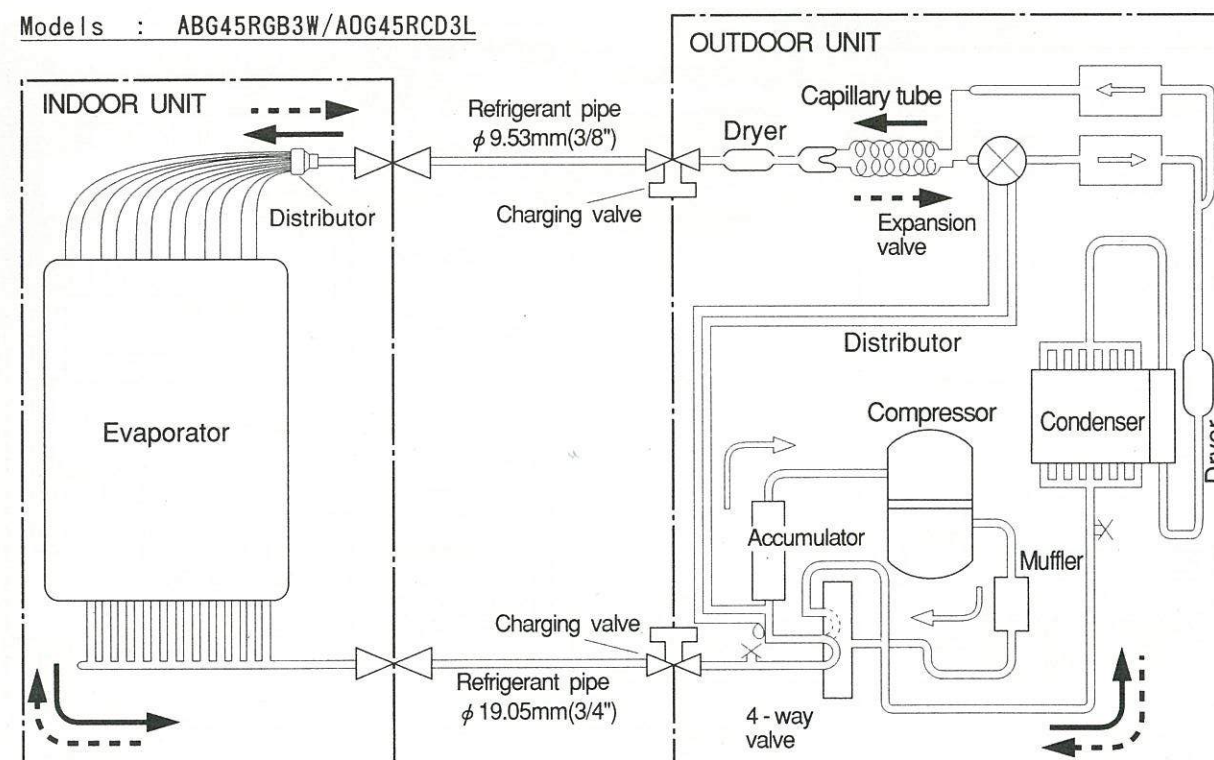
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Models : ABG45AGB3W/AOG45ACA3L



Models : ABG45RGB3W/AOG45RCD3L

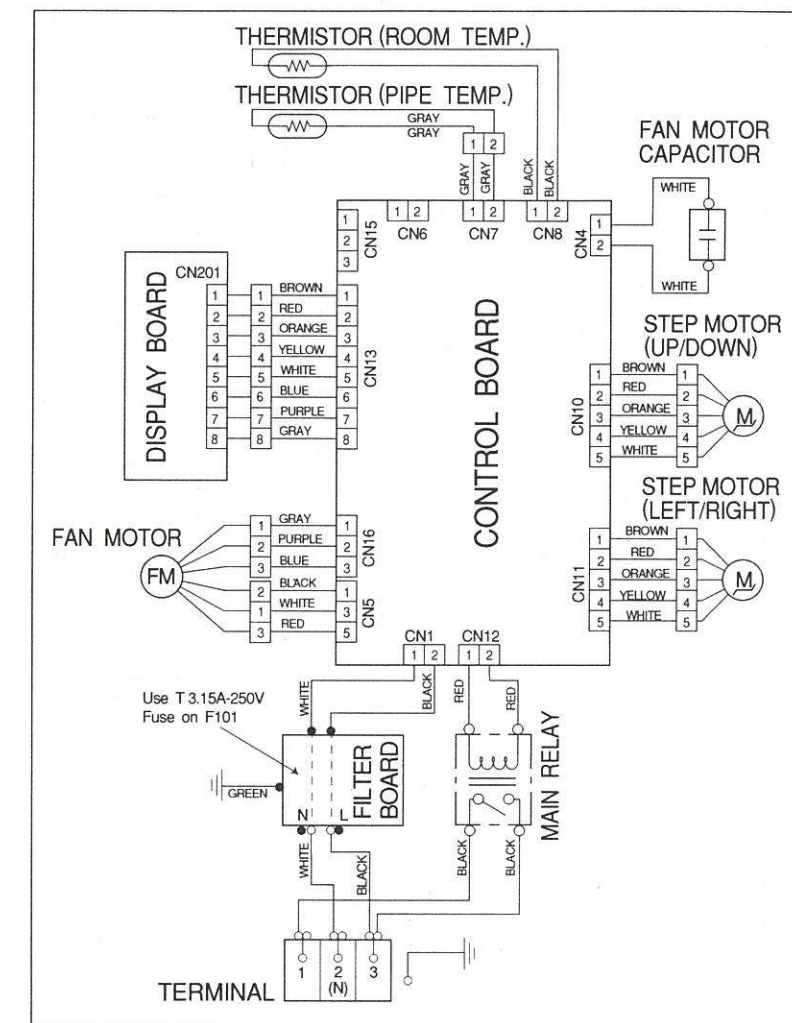


⊗ : Flare coupling
 → Cooling
 - - - - - Heating

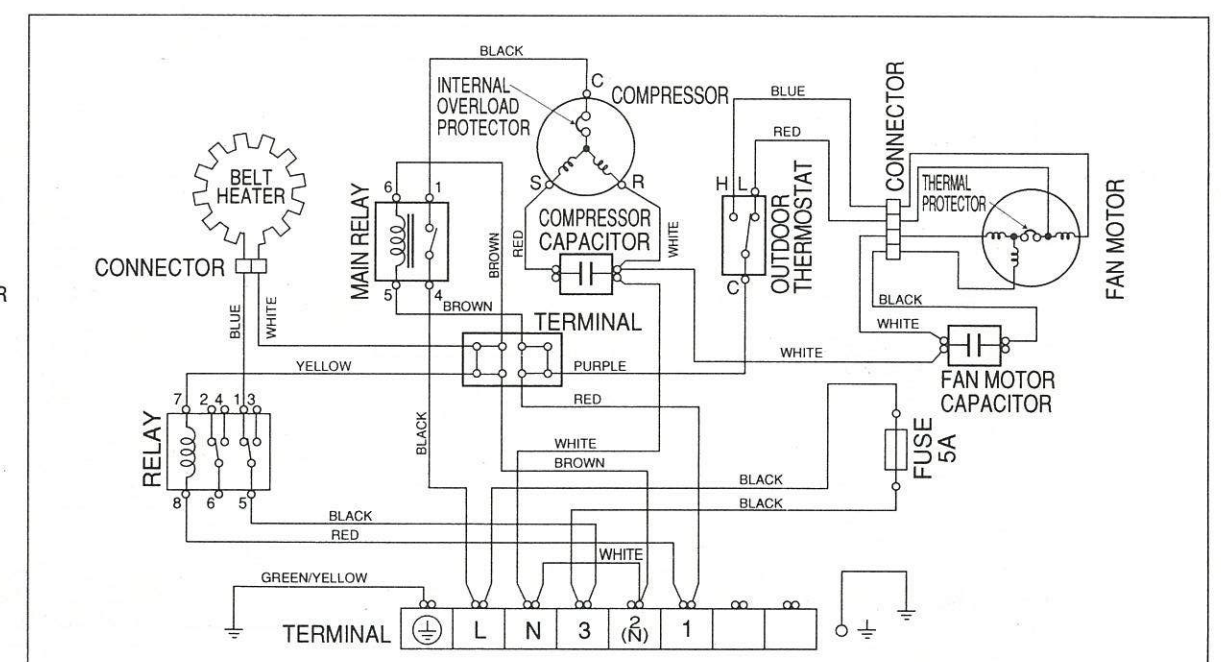
CIRCUIT DIAGRAM

Models : ABG30AGA-W/AOG30ABJL

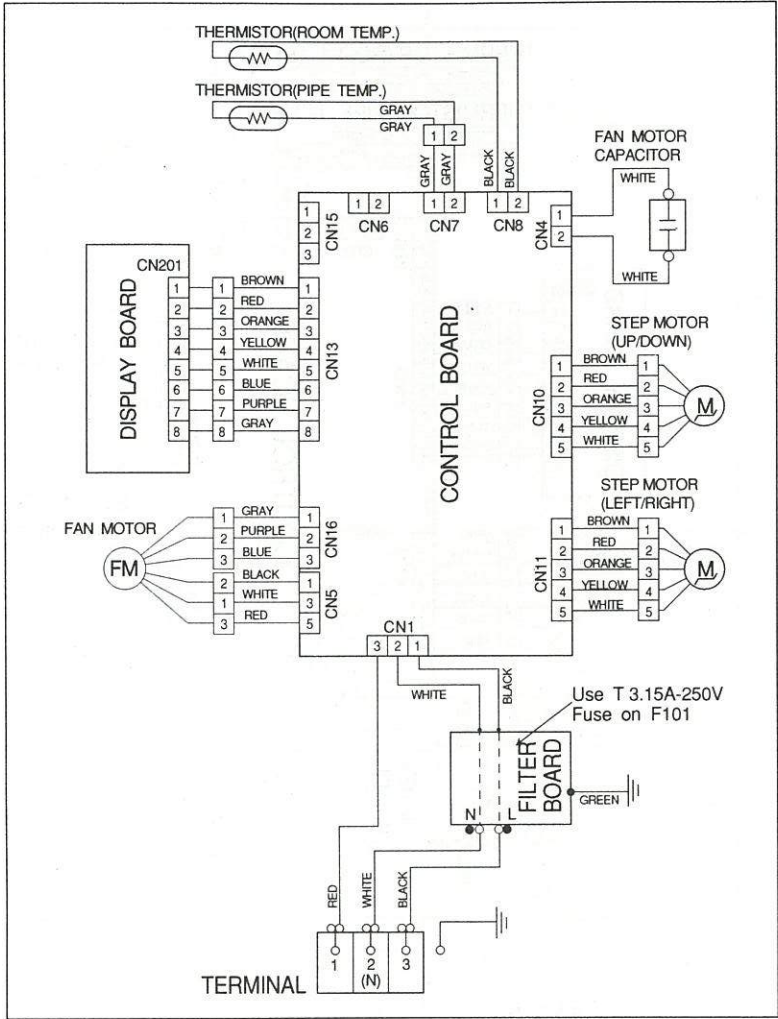
INDOOR UNIT



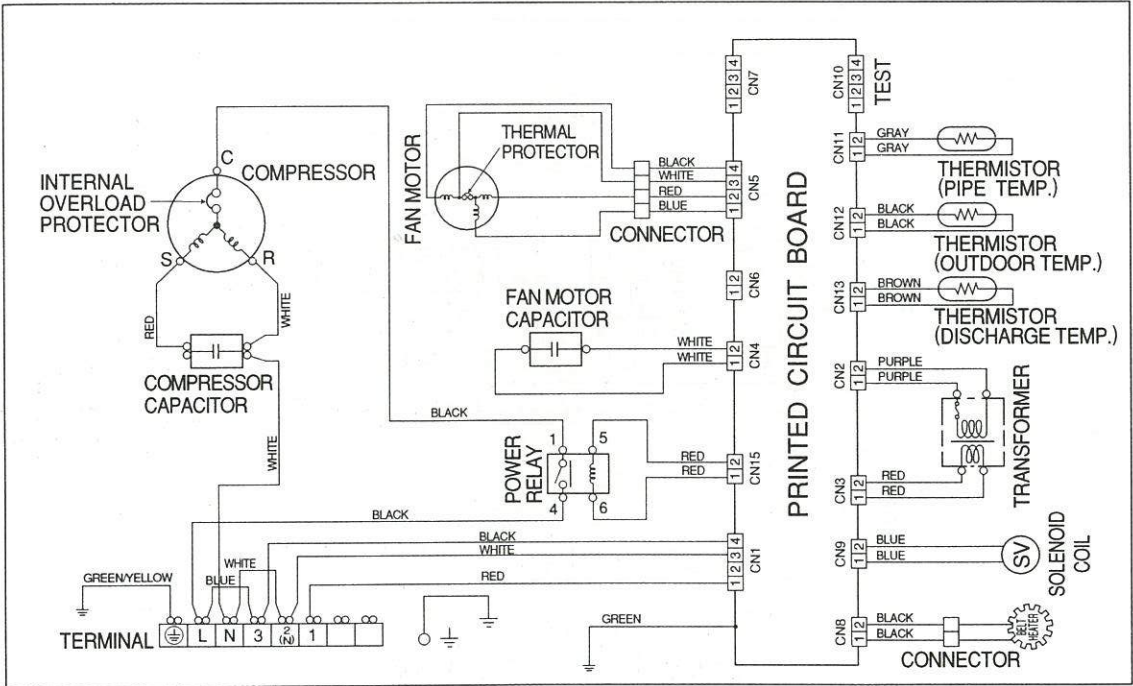
OUTDOOR UNIT



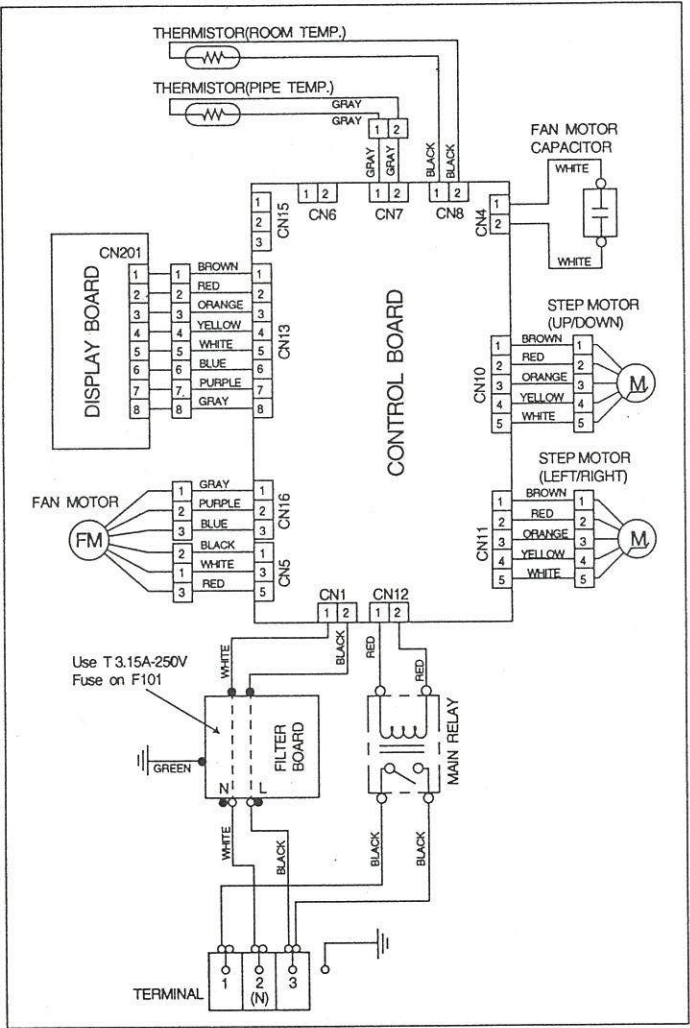
INDOOR UNIT



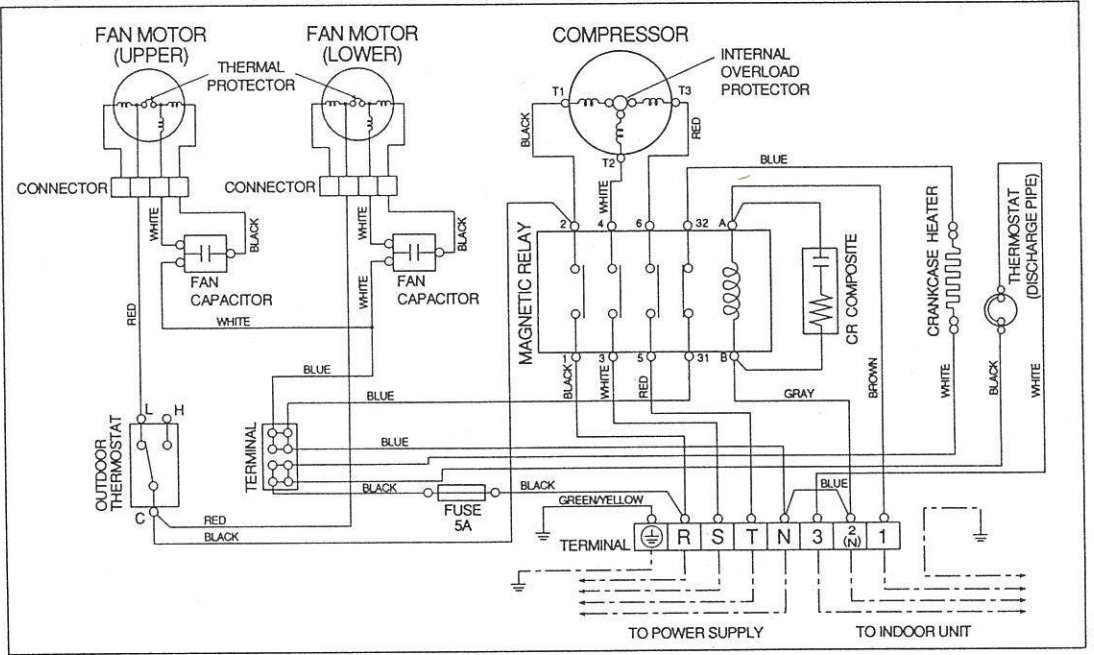
OUTDOOR UNIT



INDOOR UNIT

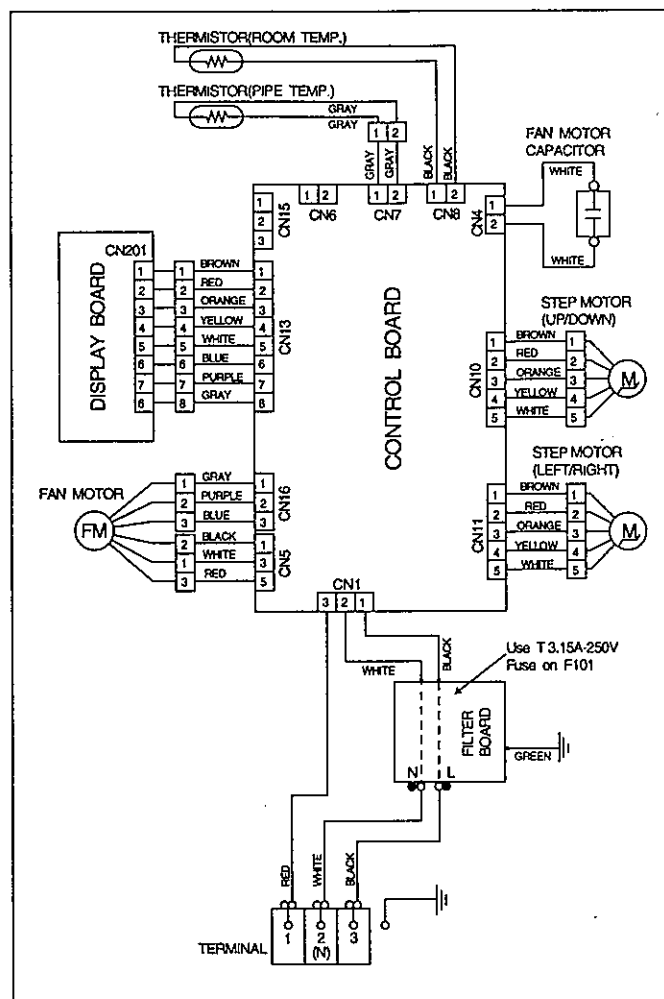


OUTDOOR UNIT

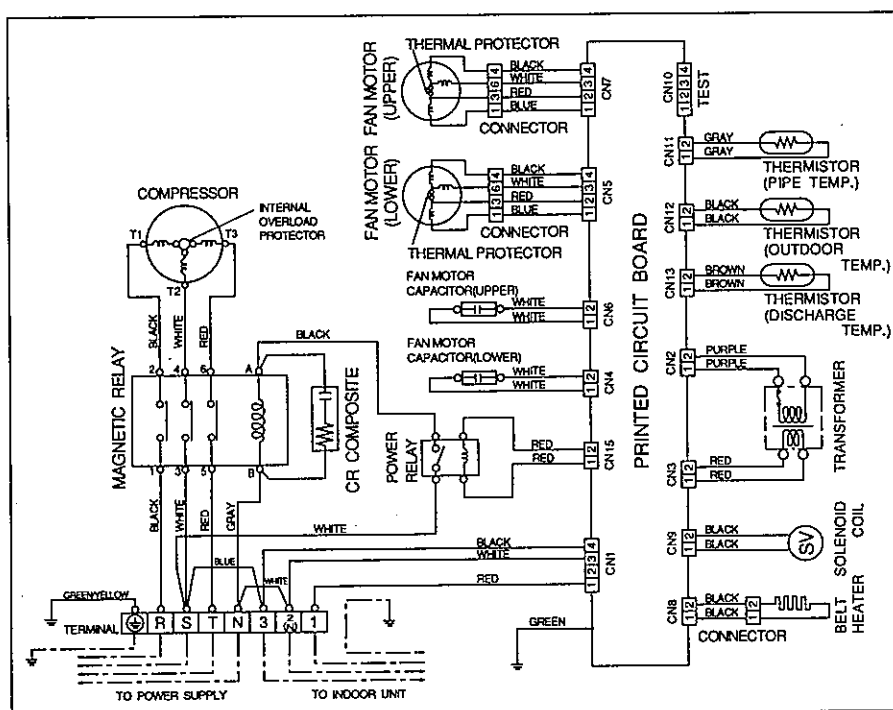


Models : ABG36RGB3W/AOG36RC03L
ABG45RGB3W/AOG45RC03L

INDOOR UNIT



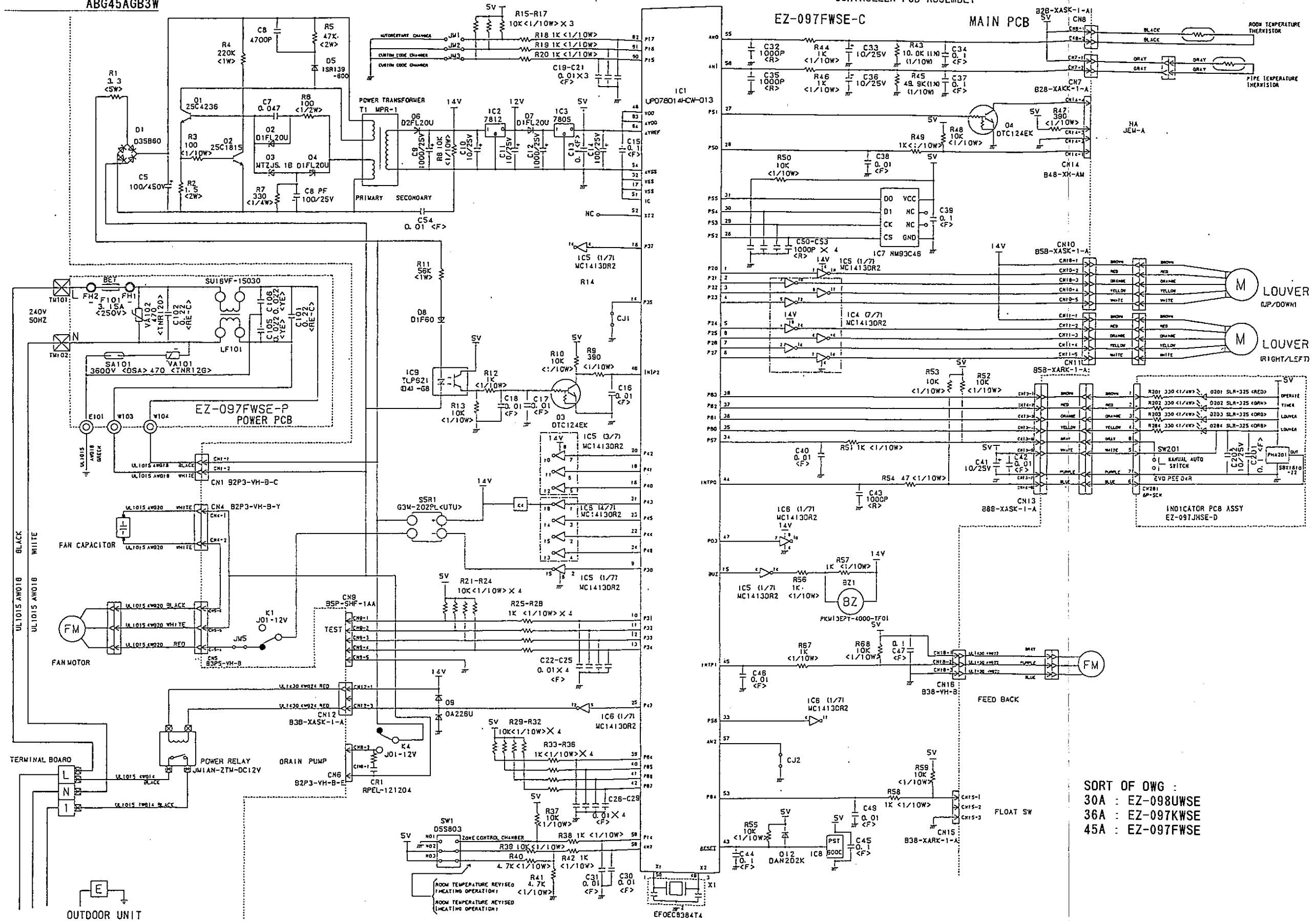
OUTDOOR UNIT



Models : ABG30AGA-W
ABG36AGB3W
ABG45AGB3W

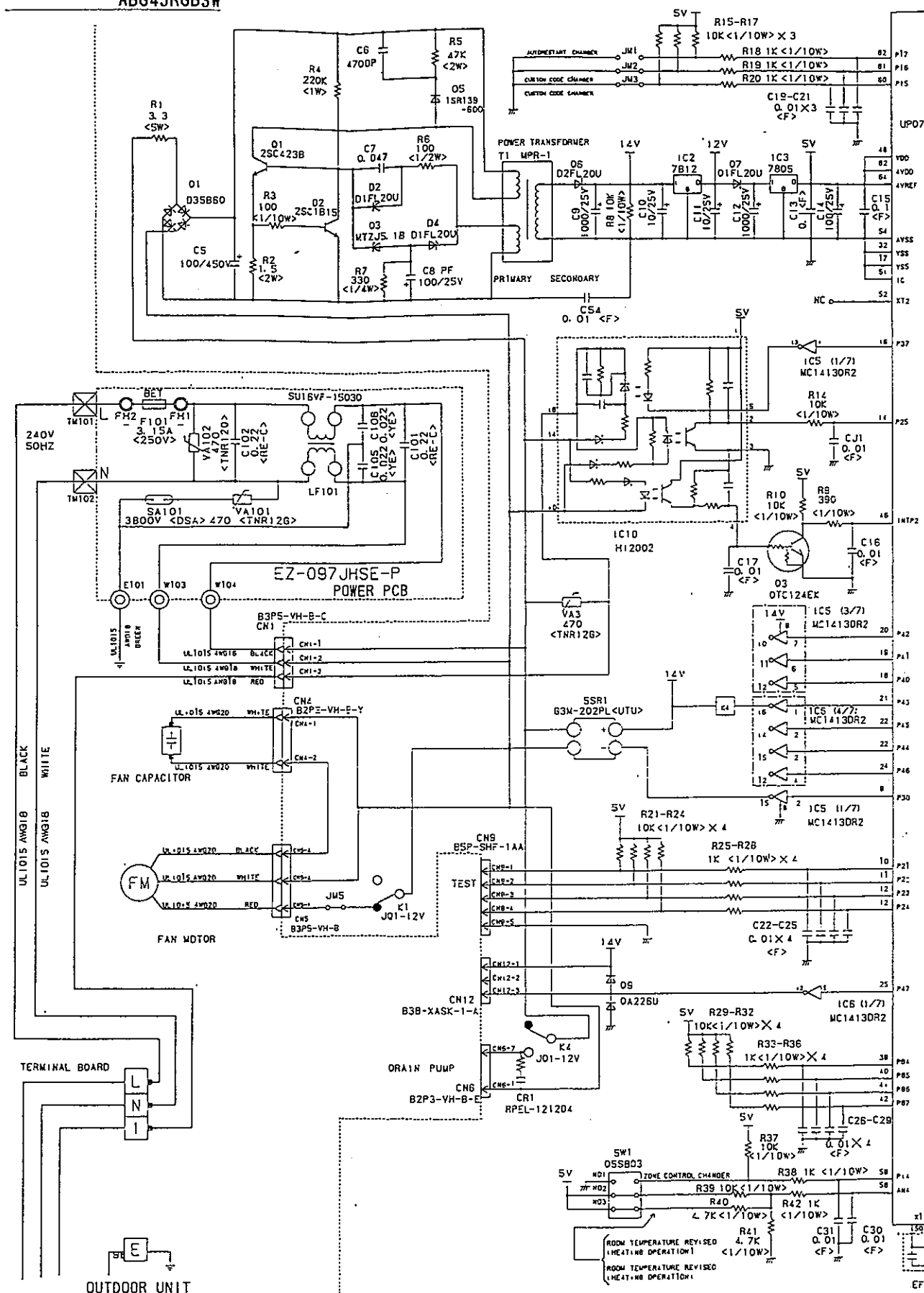
INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

CONTROLLER PCB ASSEMBLY

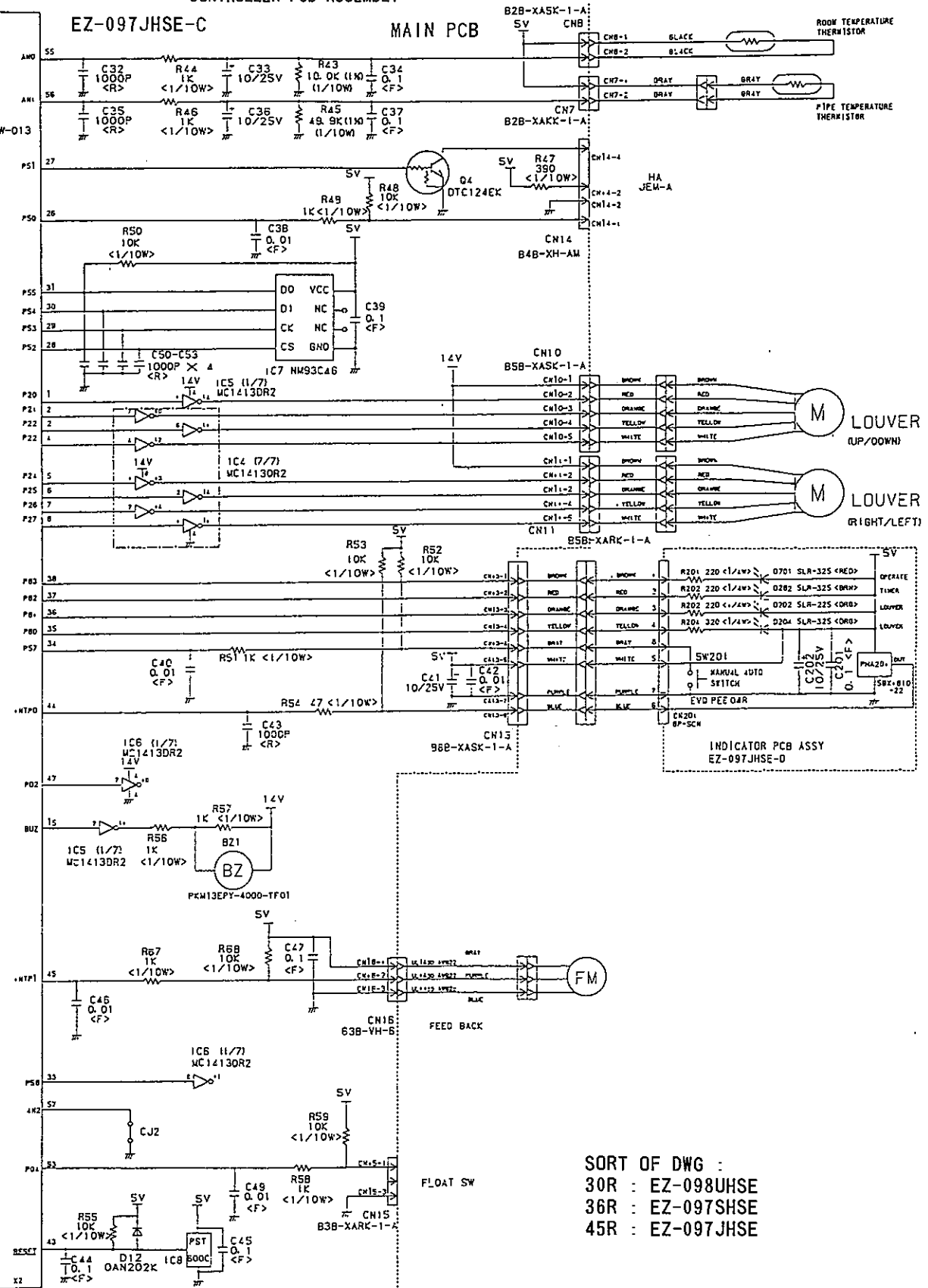


SORT OF DWG :
30A : EZ-098UWSE
36A : EZ-097KWSE
45A : EZ-097FWSE

Models : ABG30RGA-W
ABG36RGB3W
ABG45RGB3W



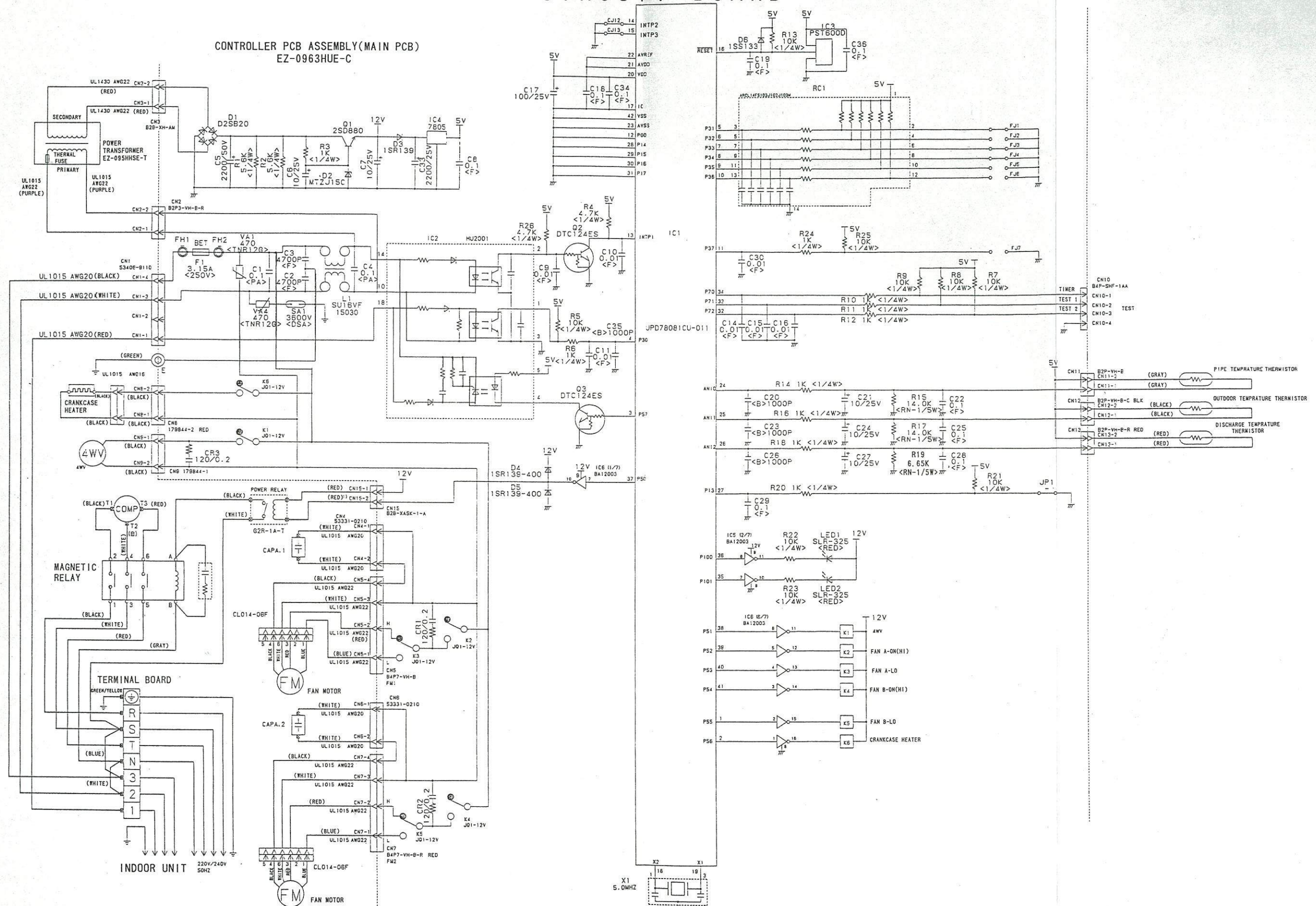
CONTROLLER PCB ASSEMBLY



SORT OF DWG :
30R : EZ-098UHSE
36R : EZ-097SHSE
45R : EZ-097JHSE

OUTDOOR PRINTED CIRCUIT BOARD

CONTROLLER PCB ASSEMBLY(MAIN PCB)
EZ-0963HUE-C



REMOTE CONTROL UNIT CIRCUIT DIAGRAM

Models : ABG30AGA-W
ABG36AGB3W
ABG45AGB3W

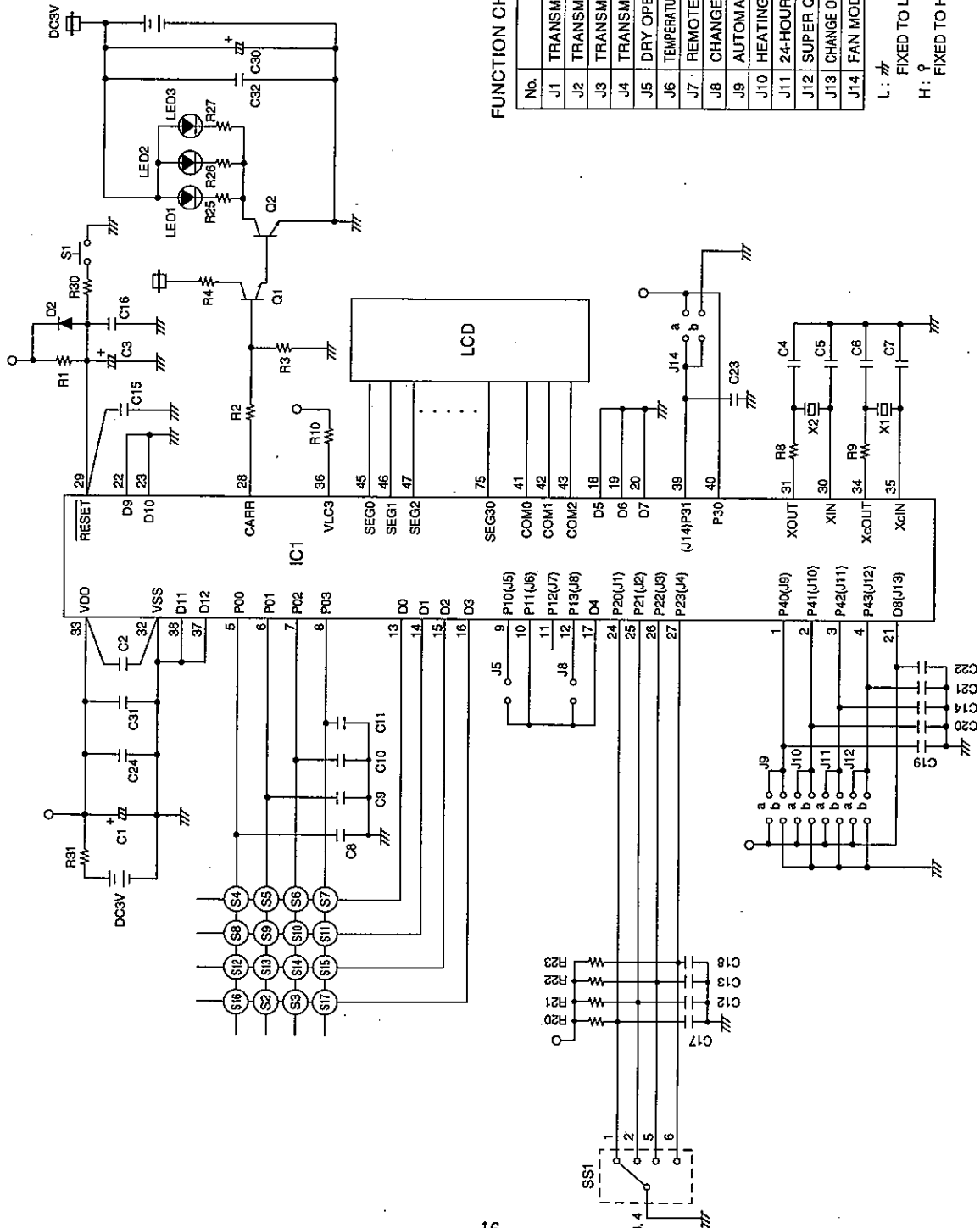
KEY NO. : KEY FUNCTION
CORRESPONDENCE TABLE

No.	KEY FUNCTION
S1	ACL
S2	TIMER ADJUST
S3	TEST RUN
S4	START/STOP
S5	MASTER CONTROL
S6	SET TEMP(+), SET TIME(+)
S7	SET TEMP(-), SET TIME(-)
S8	FAN CONTROL
S9	
S10	
S11	UP AND DOWN SWING
S12	UP AND DOWN WIND
S13	ENERGY SAVE
S14	RIGHT AND LEFT SWING
S15	TIMER SELECTOR
S16	SLEEP
S17	RIGHT AND LEFT WIND

FUNCTION CHANGE BY THE JUMPER WIRE

No.	FUNCTION
J1	TRANSMITTING CODE CHANGE
J2	TRANSMITTING CODE CHANGE
J3	TRANSMITTING CODE CHANGE
J4	TRANSMITTING CODE CHANGE
J5	DRY OPERATION
J6	TEMPERATURE DISPLAY OF AUTOMATIC OPERATION
J7	REMOTE CONTROL SELECTOR
J8	CHANGE OF TEMPERATURE UNIT
J9	AUTOMATIC OPERATION
J10	HEATING OPERATION
J11	24-HOUR/12-HOUR
J12	SUPER QUIET
J13	CHANGE OF AUTOMATIC OPERATION DISPLAY
J14	FAN MODE

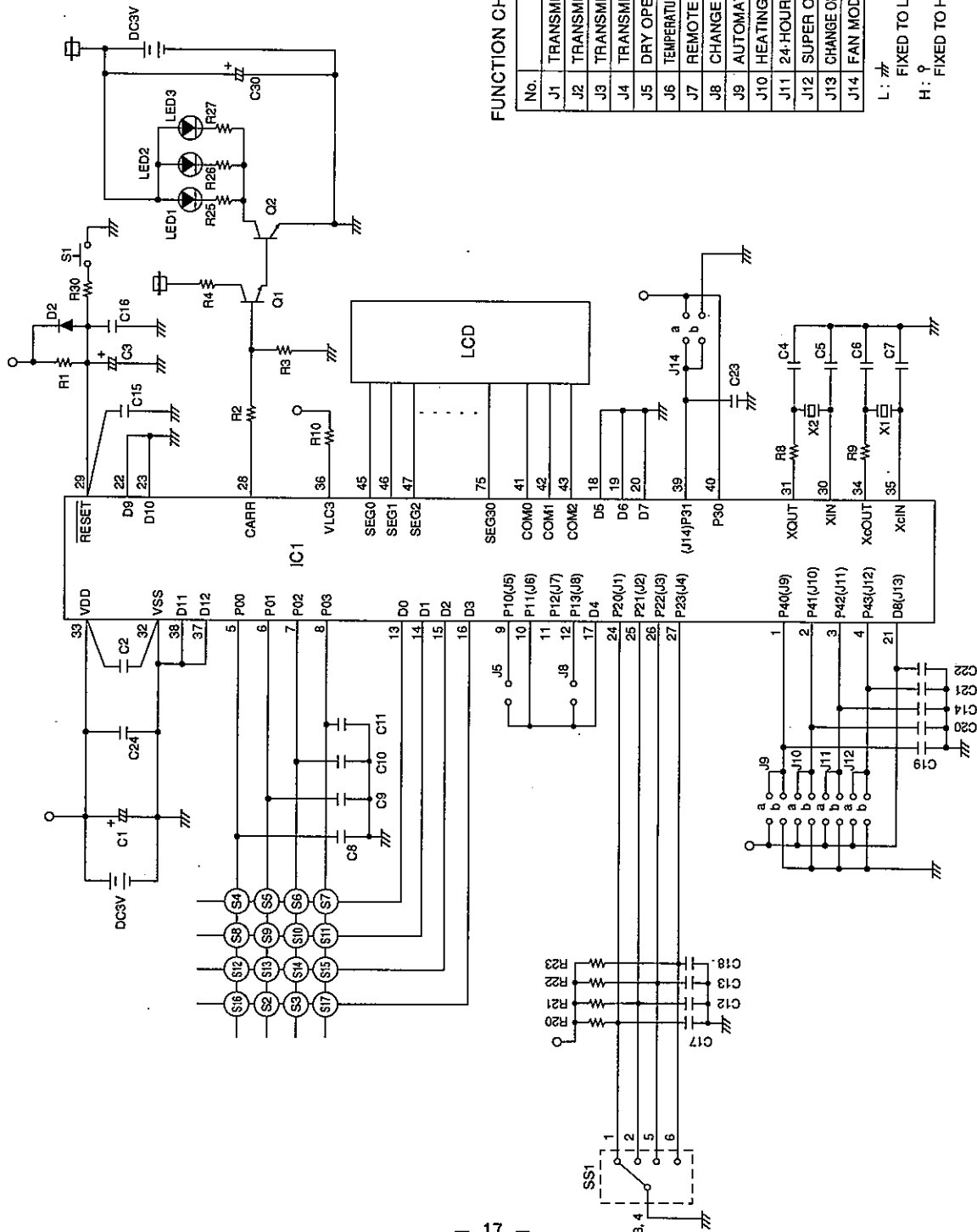
L: $\overline{}$ FIXED TO LOW LEVEL
H: FIXED TO HIGH LEVEL



Models : ABG30RGA-W
ABG36RGB3W
ABG45RGB3W

KEY NO. : KEY FUNCTION
CORRESPONDENCE TABLE

No.	KEY FUNCTION
S1	ACL
S2	TIMER ADJUST
S3	TEST RUN
S4	START/STOP
S5	MASTER CONTROL
S6	SET TEMP(+), SET TIME(+)
S7	SET TEMP(-), SET TIME(-)
S8	FAN CONTROL
S9	
S10	
S11	UP AND DOWN SWING
S12	UP AND DOWN WIND
S13	ENERGY SAVE
S14	RIGHT AND LEFT SWING
S15	TIMER SELECTOR
S16	SLEEP
S17	RIGHT AND LEFT WIND

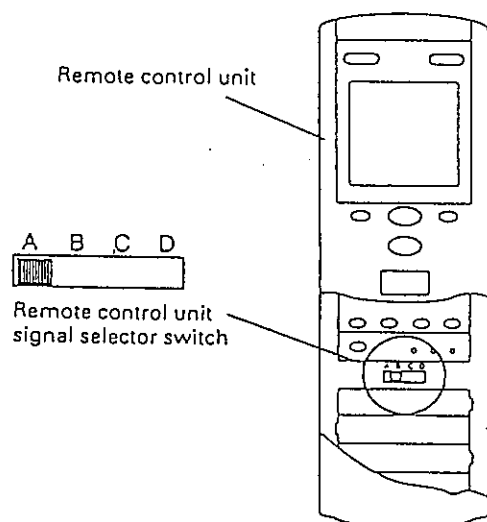
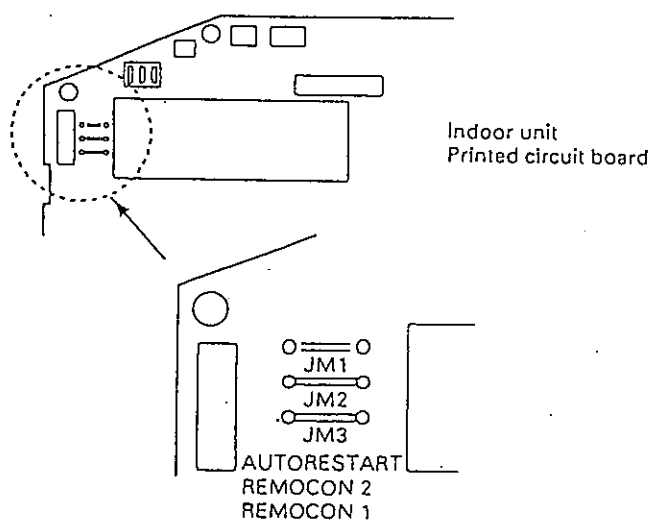


FUNCTION CHANGE BY THE JUMPER WIRE

No.	FUNCTION	
J1	TRANSMITTING CODE CHANGE	L
J2	TRANSMITTING CODE CHANGE	H
J3	TRANSMITTING CODE CHANGE	H
J4	TRANSMITTING CODE CHANGE	H
J5	DRY OPERATION	H
J6	TEMPERATURE DISPLAY OF AUTOMATIC OPERATION	L
J7	REMOTE CONTROL SELECTOR	H
J8	CHANGE OF TEMPERATURE UNIT	H
J9	AUTOMATIC OPERATION	H
J10	HEATING OPERATION	H
J11	24-HOUR/12-HOUR	H
J12	SUPER QUIET	H
J13	CHANGE OF AUTOMATIC OPERATION DISPLAY	H
J14	FAN MODE	H

L : $\overline{\text{H}}$
FIXED TO LOW LEVEL
H : $\overline{\text{H}}$
FIXED TO HIGH LEVEL

REMOTE CONTROL UNIT CODE SWITCHING

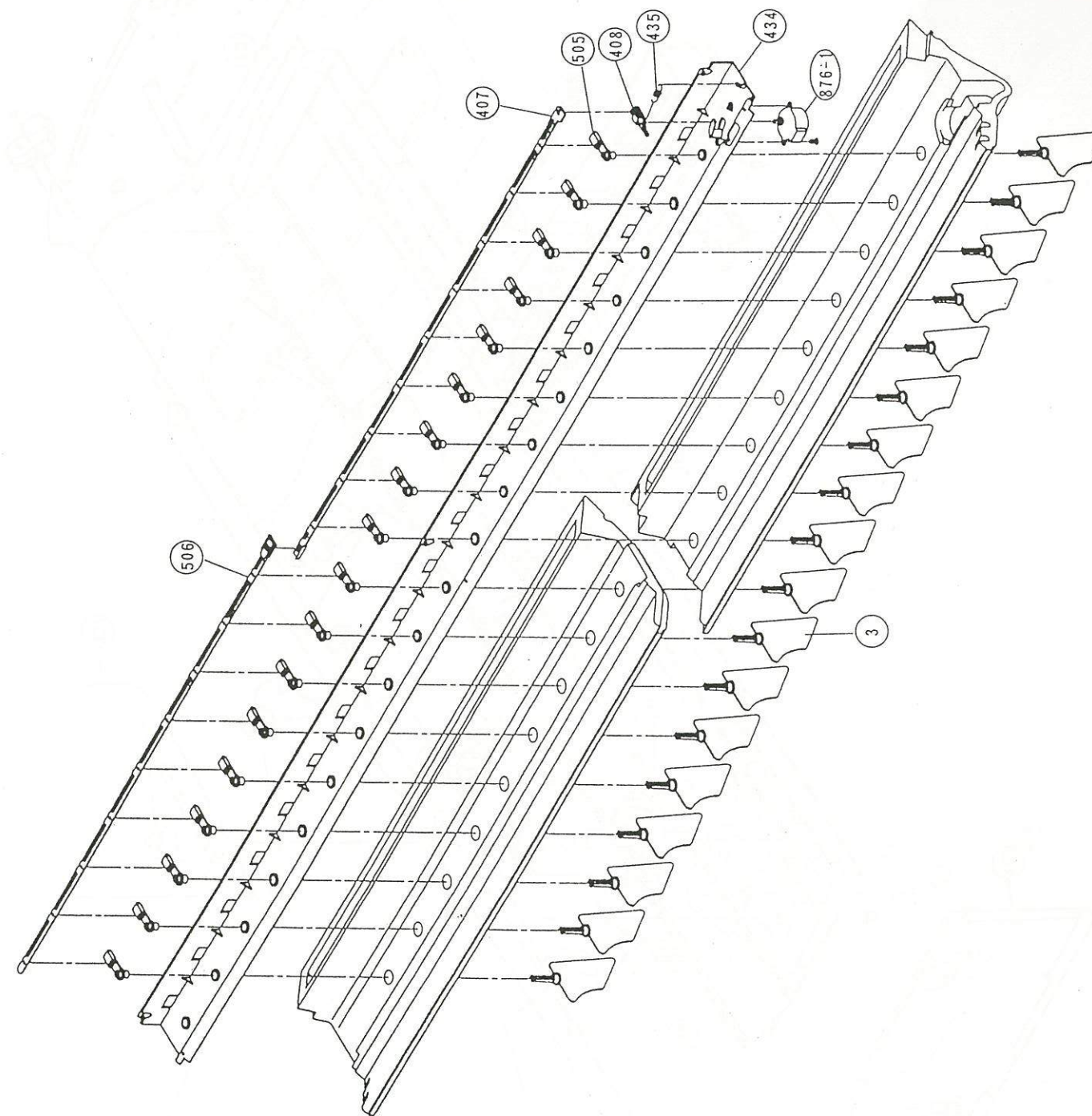
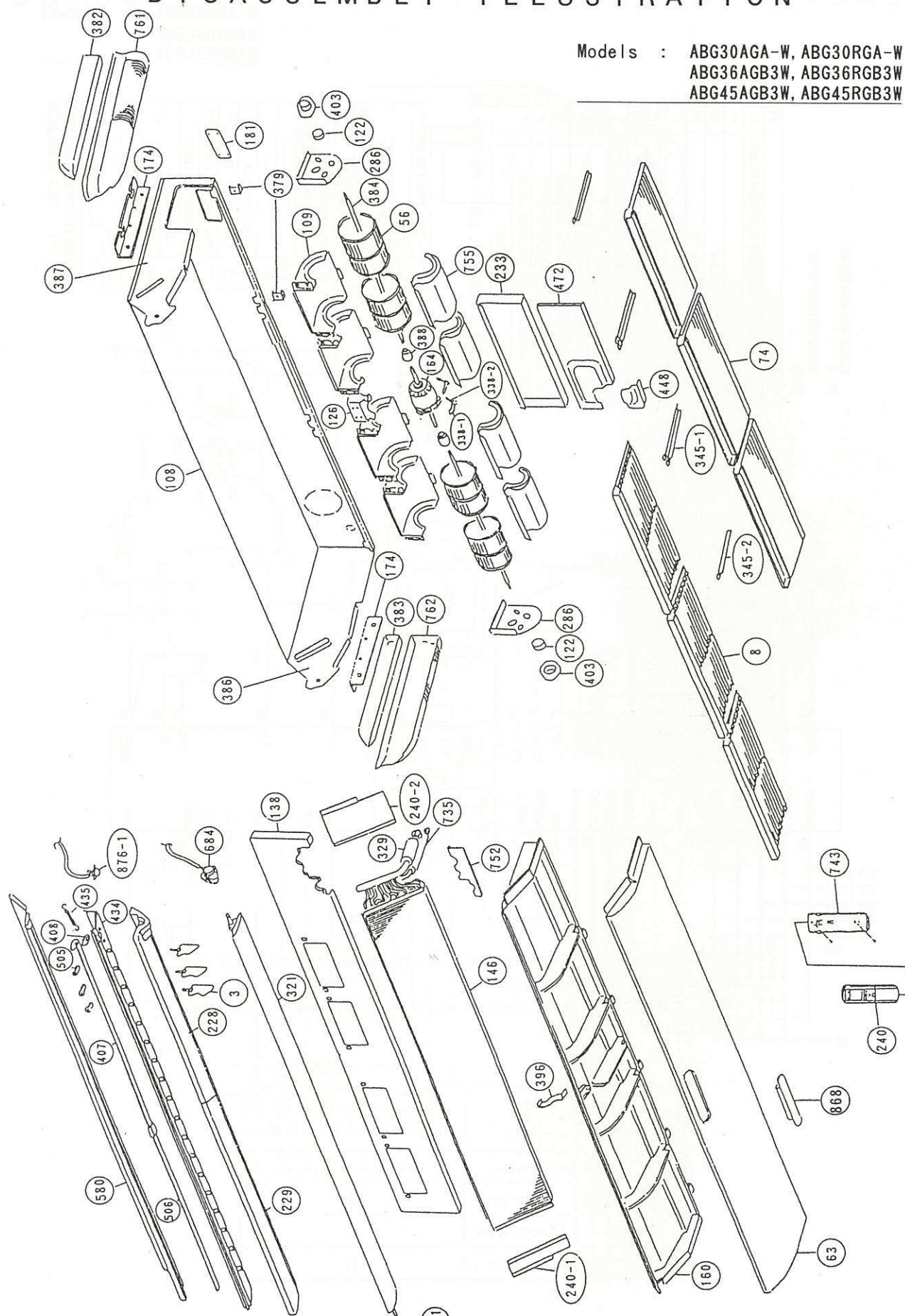


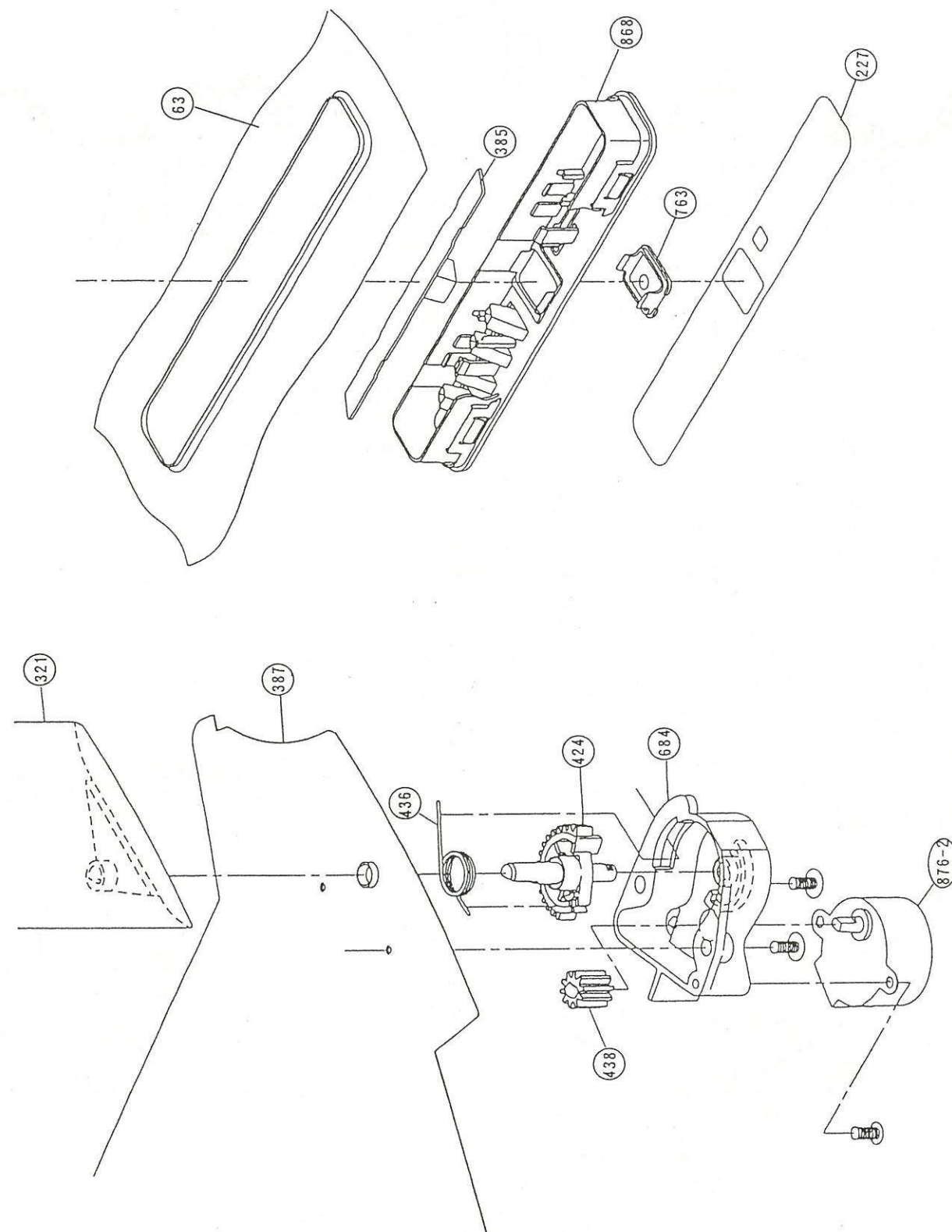
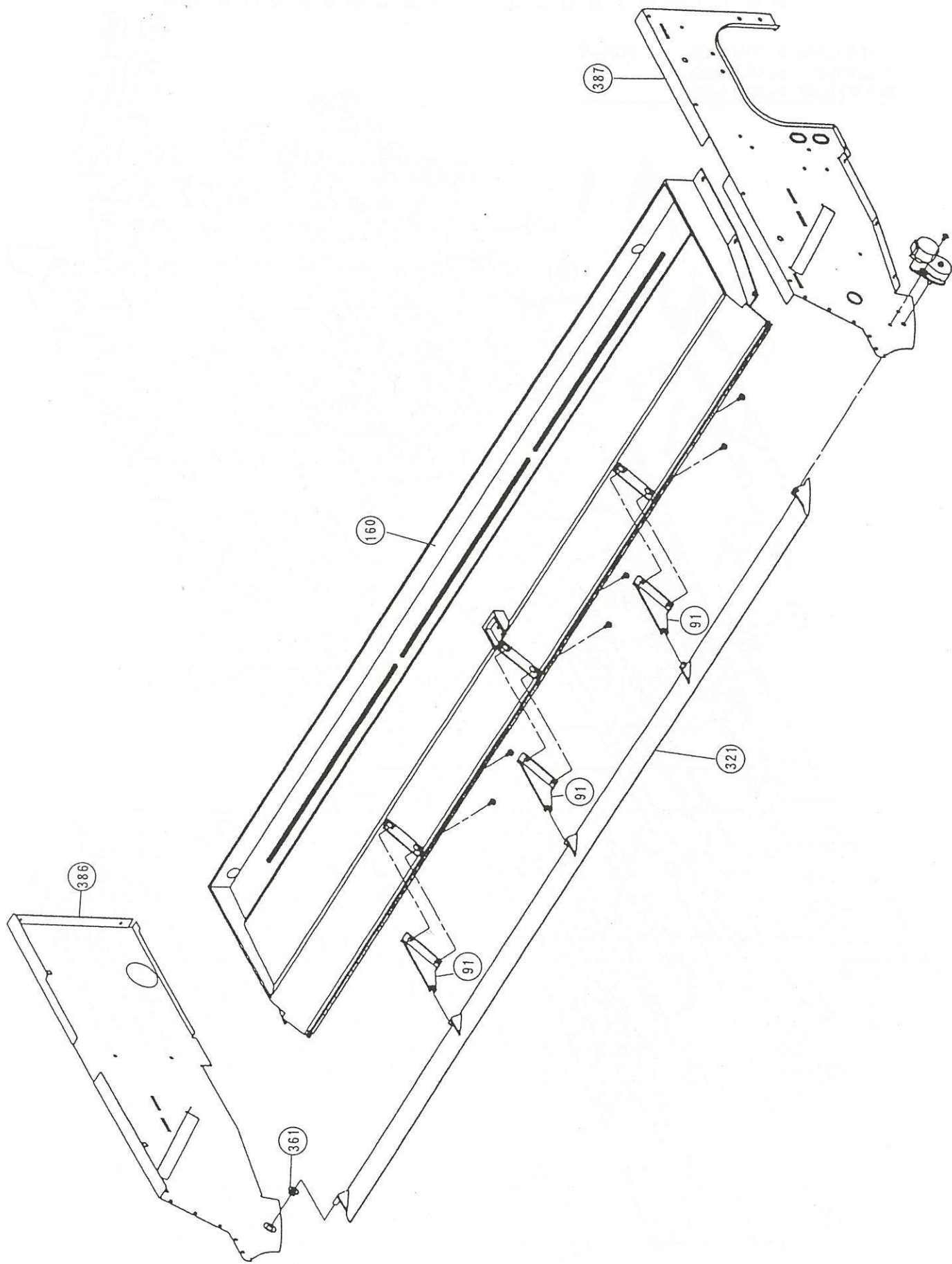
Confirm the remote control unit signal selector switch selection and printed circuit board setting.
If these are not confirmed, the remote control unit cannot be operated for the air conditioner.

Jumper wire		Remote control unit signal selector switch
JM 2	JM 3	
Connect	Connect	A (Primary setting)
Disconnect	Connect	B
Connect	Disconnect	C
Disconnect	Disconnect	D

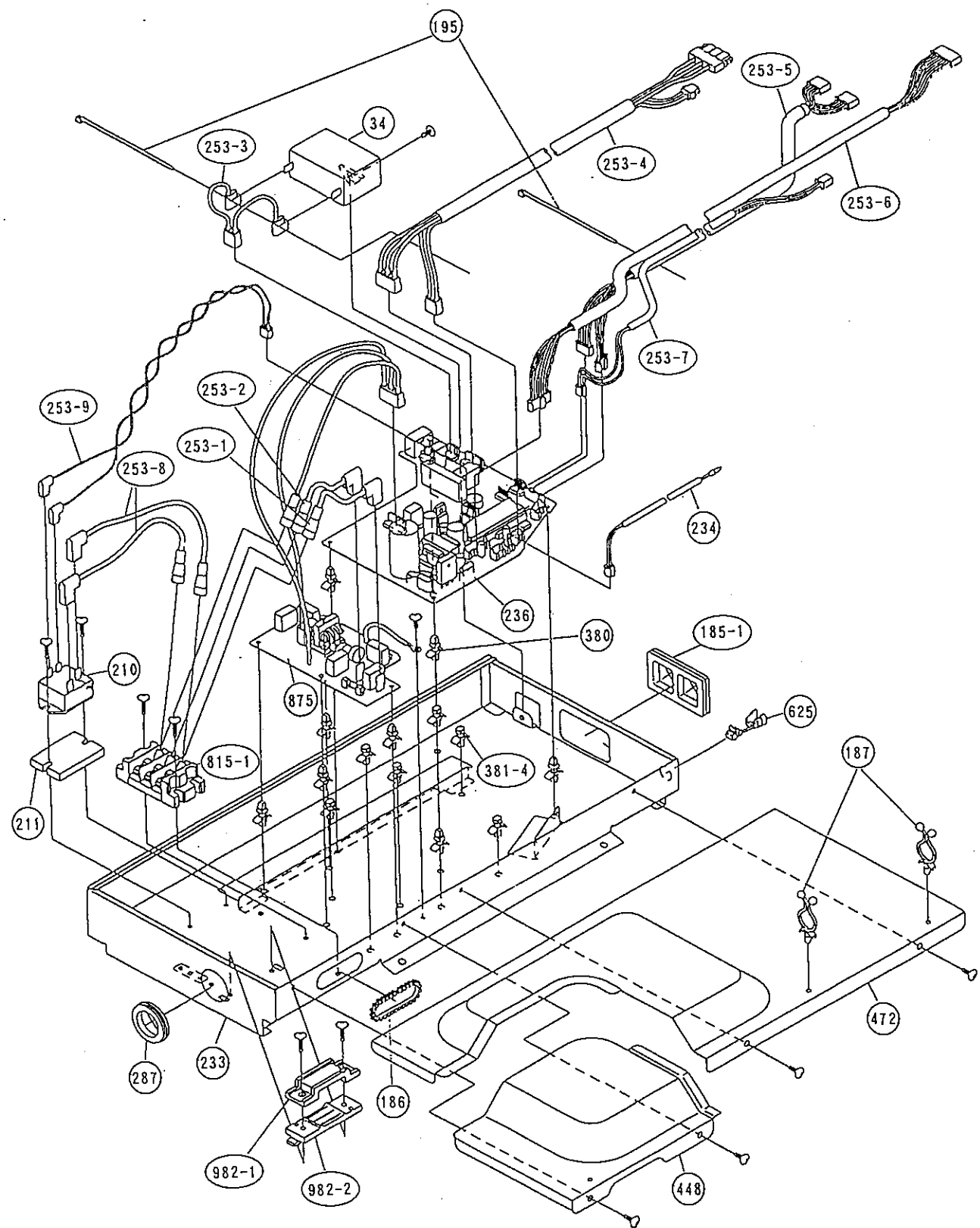
DISASSEMBLY ILLUSTRATION

Models : ABG30AGA-W, ABG30RGA-W
ABG36AGB3W, ABG36RGB3W
ABG45AGB3W, ABG45RGB3W

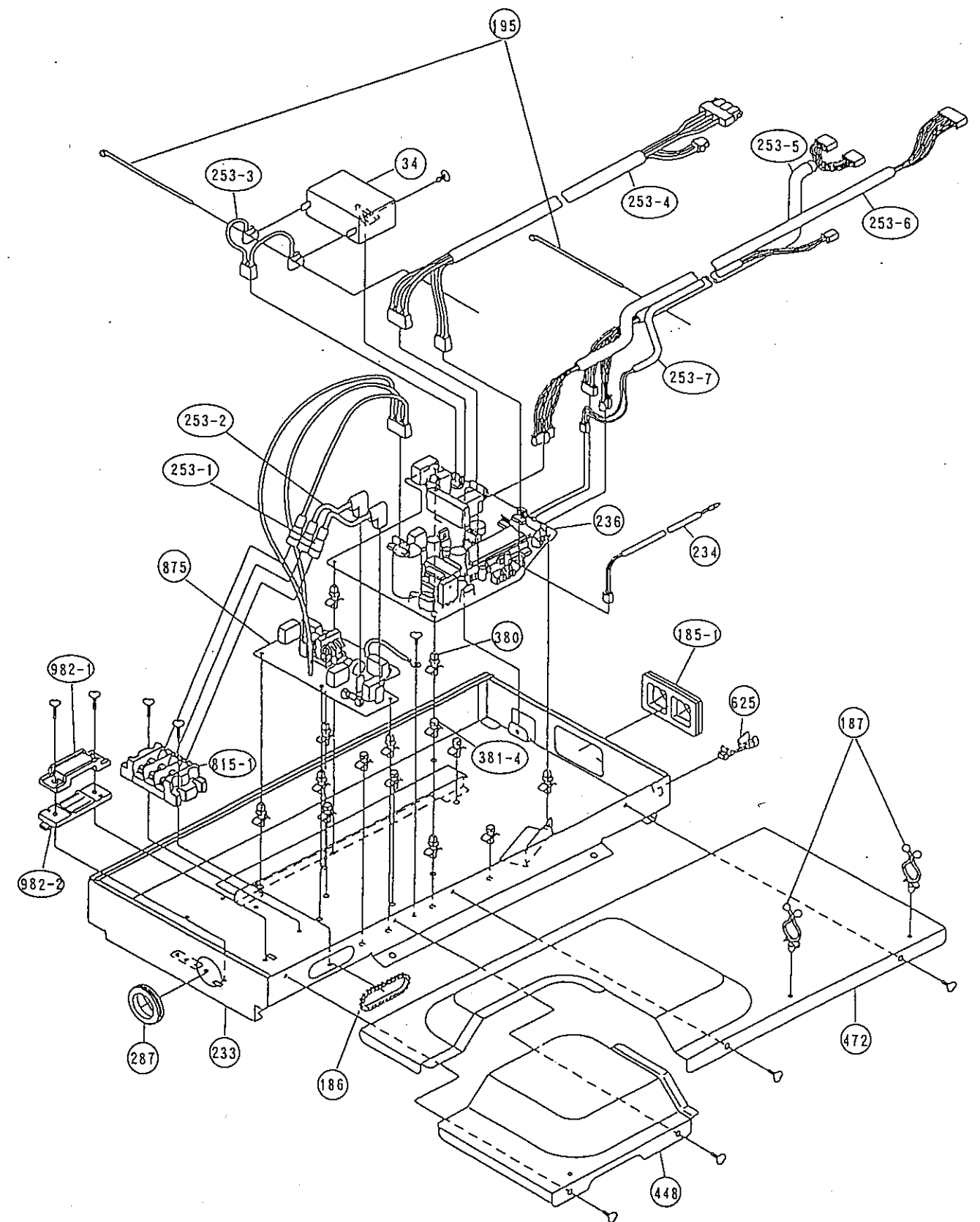




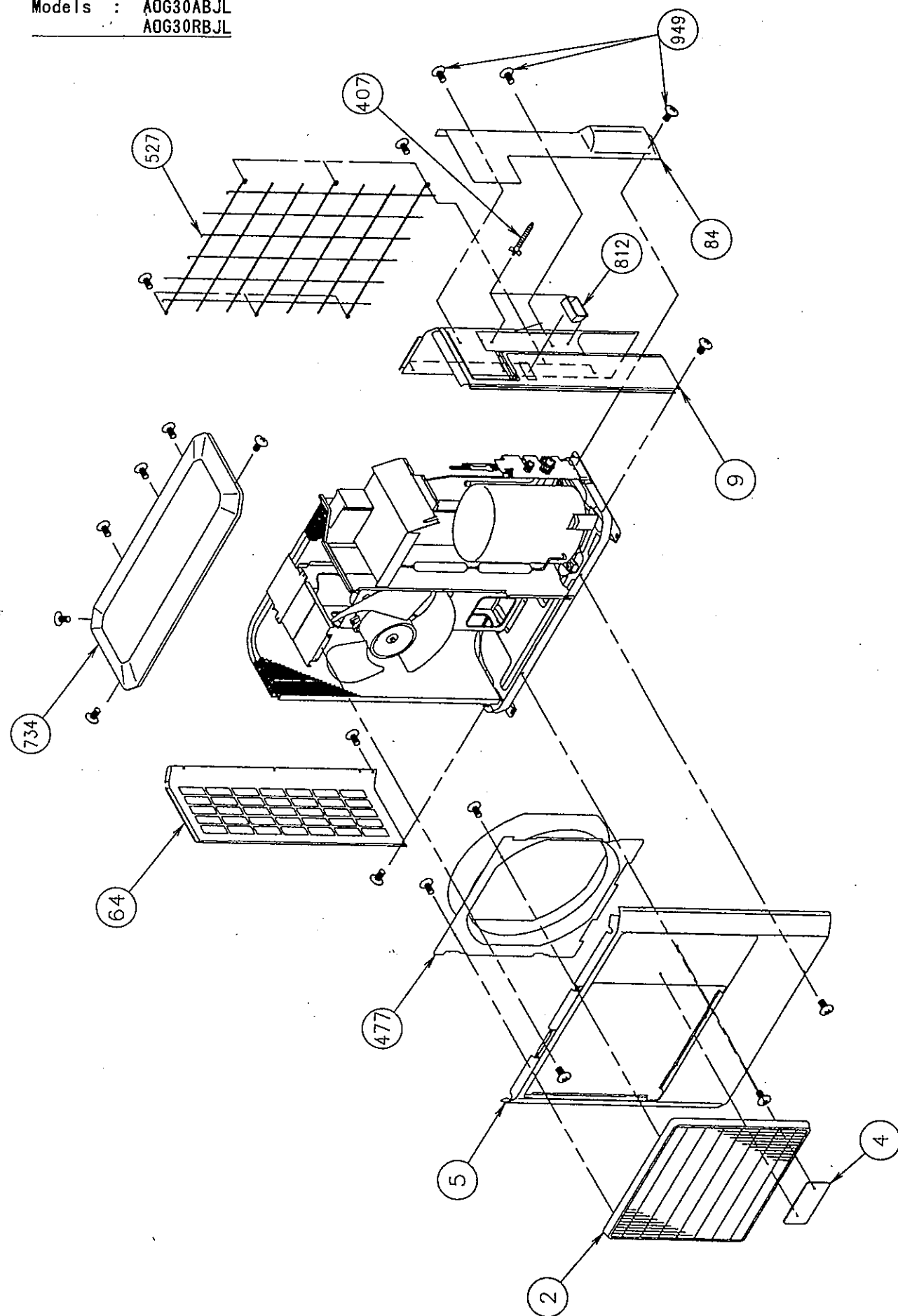
Models : ABG30AGA-W
ABG36AGB3W
ABG45AGB3W



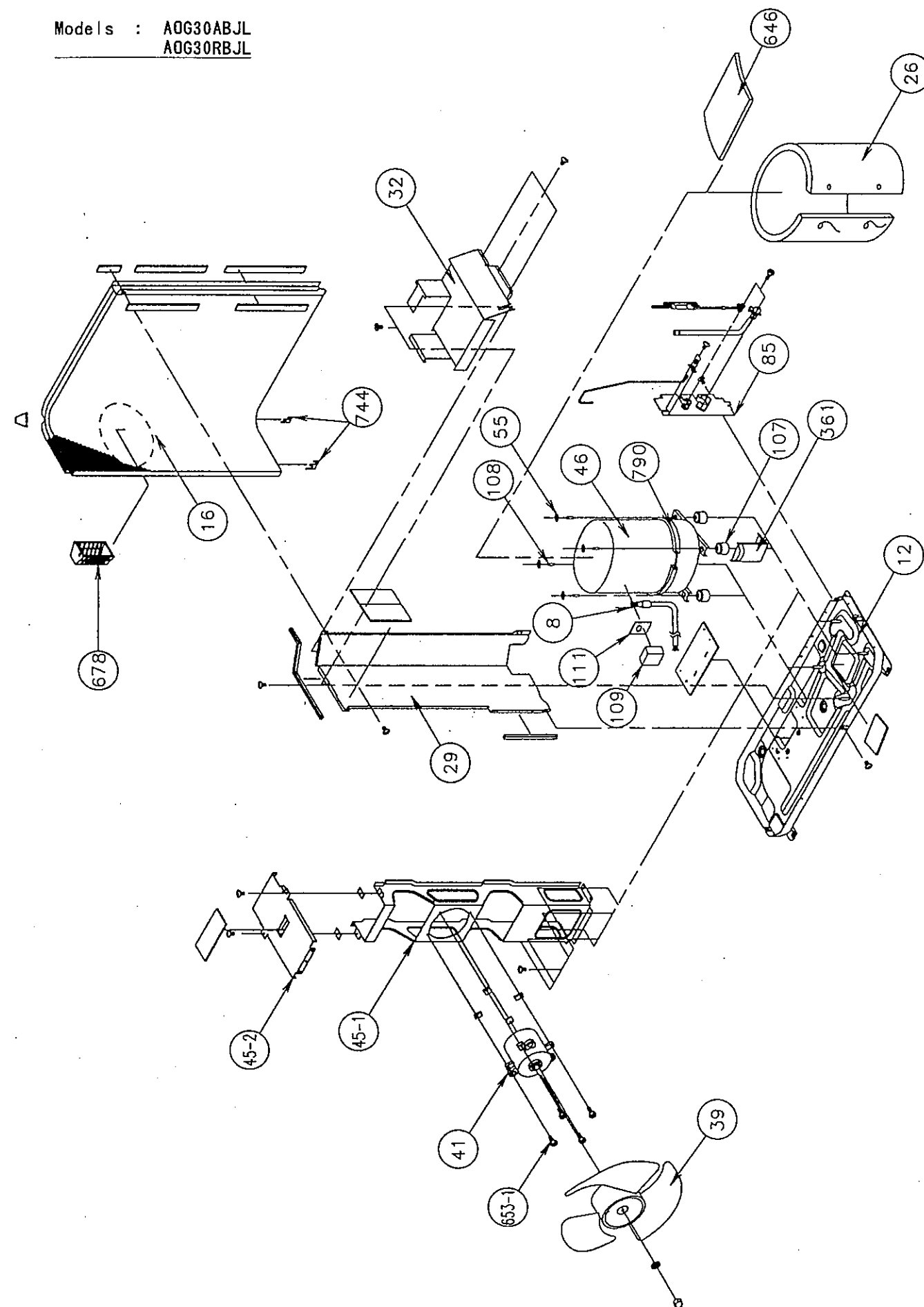
Models : ABG30RGA-W
ABG36RGB3W
ABG45RGB3W

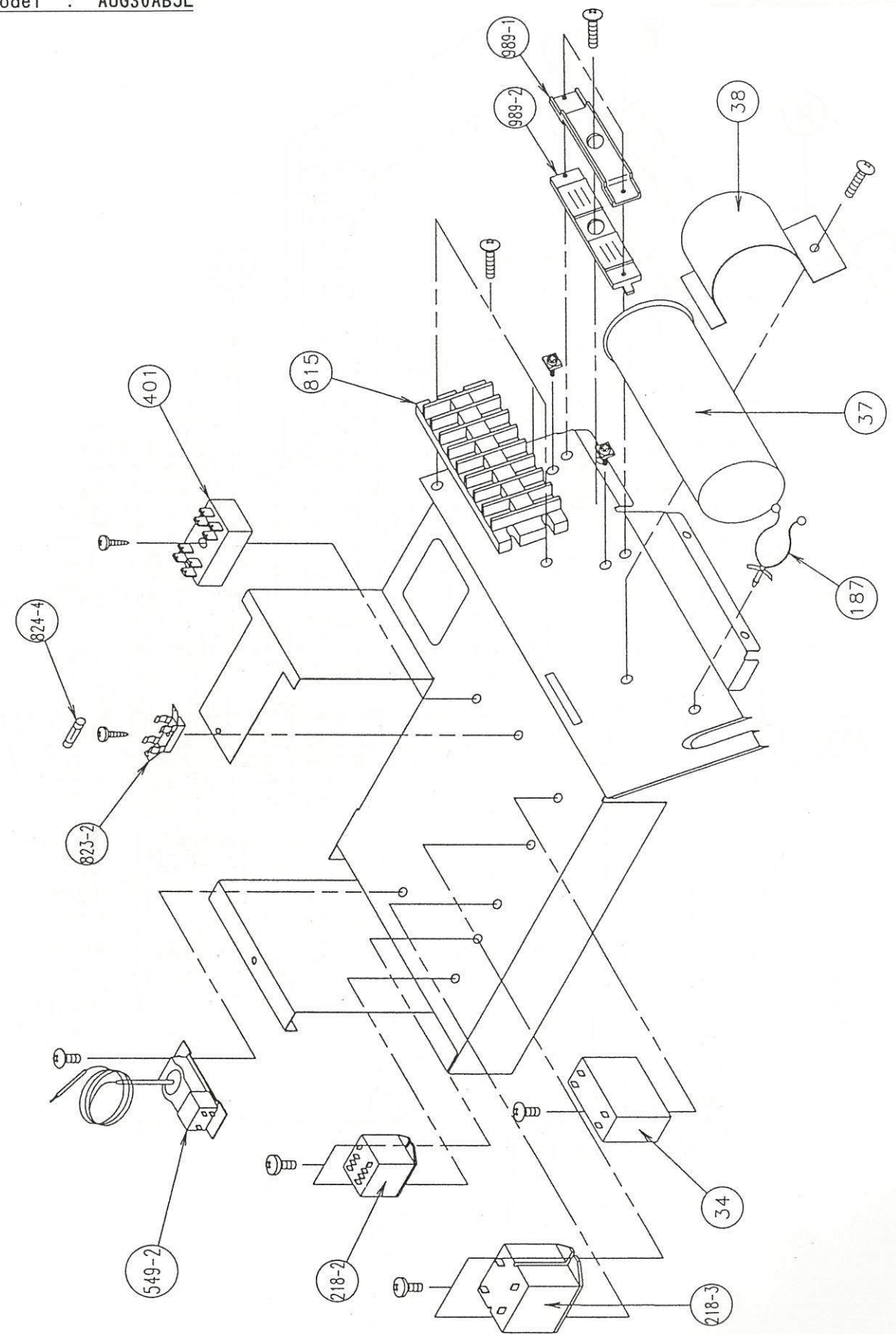
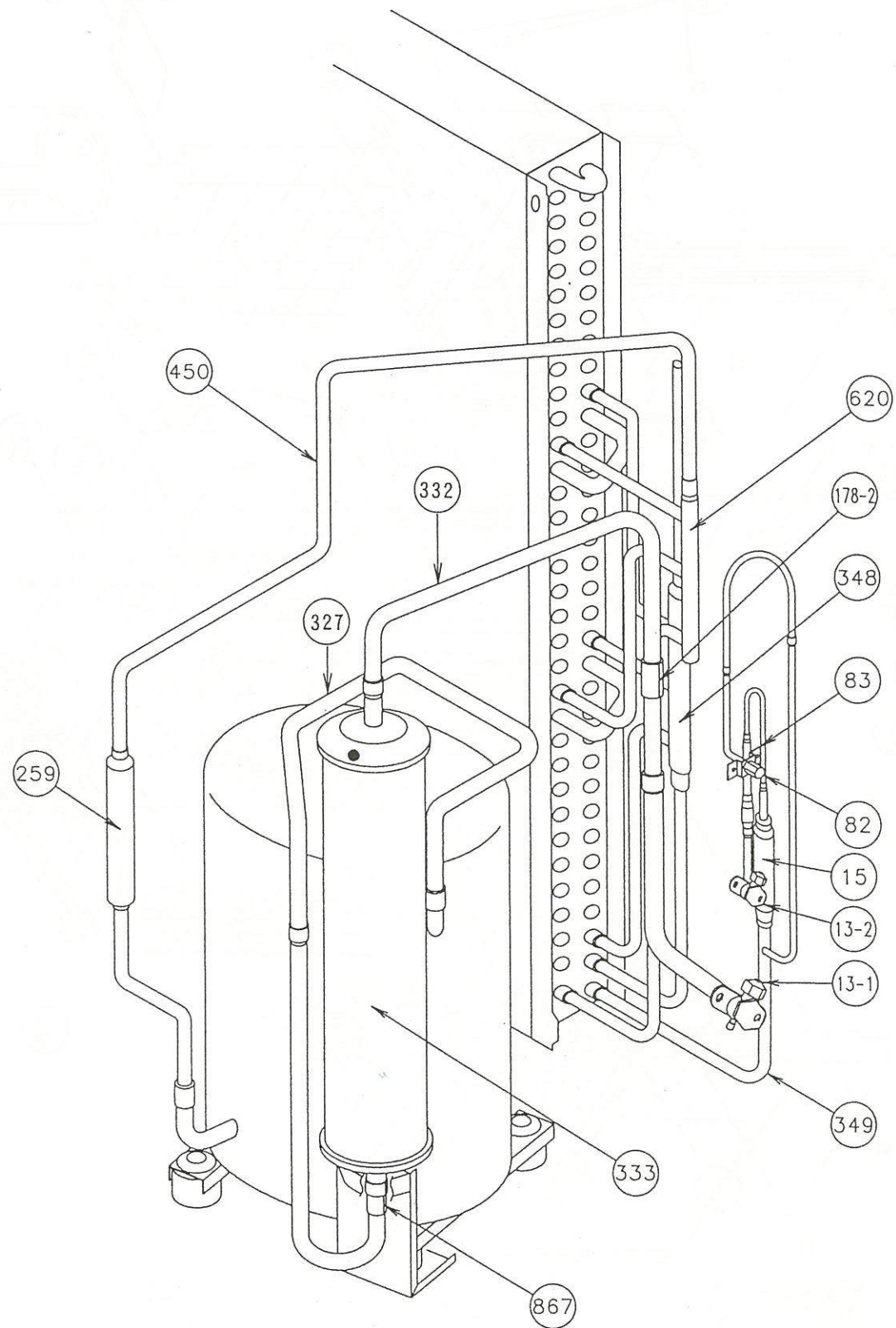


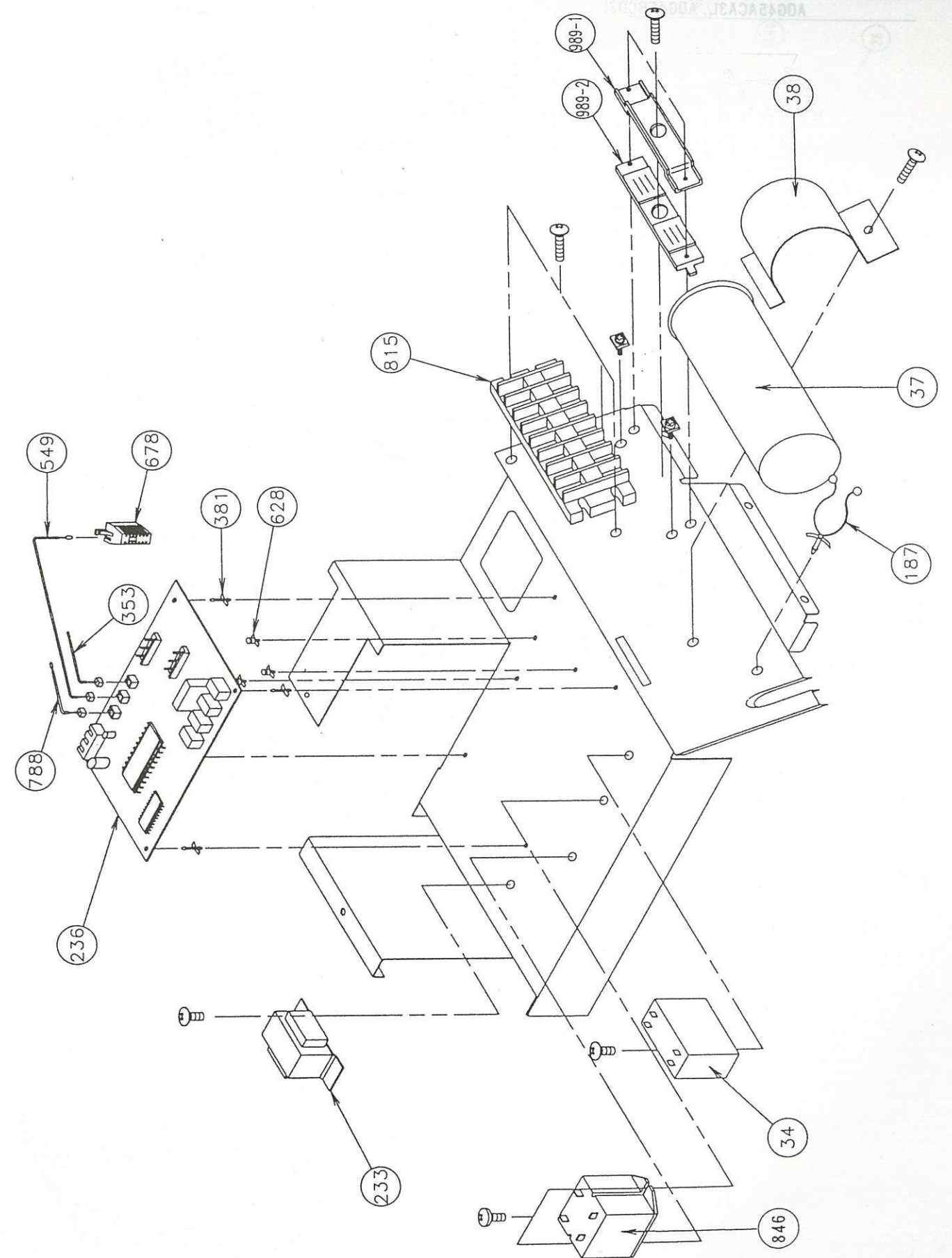
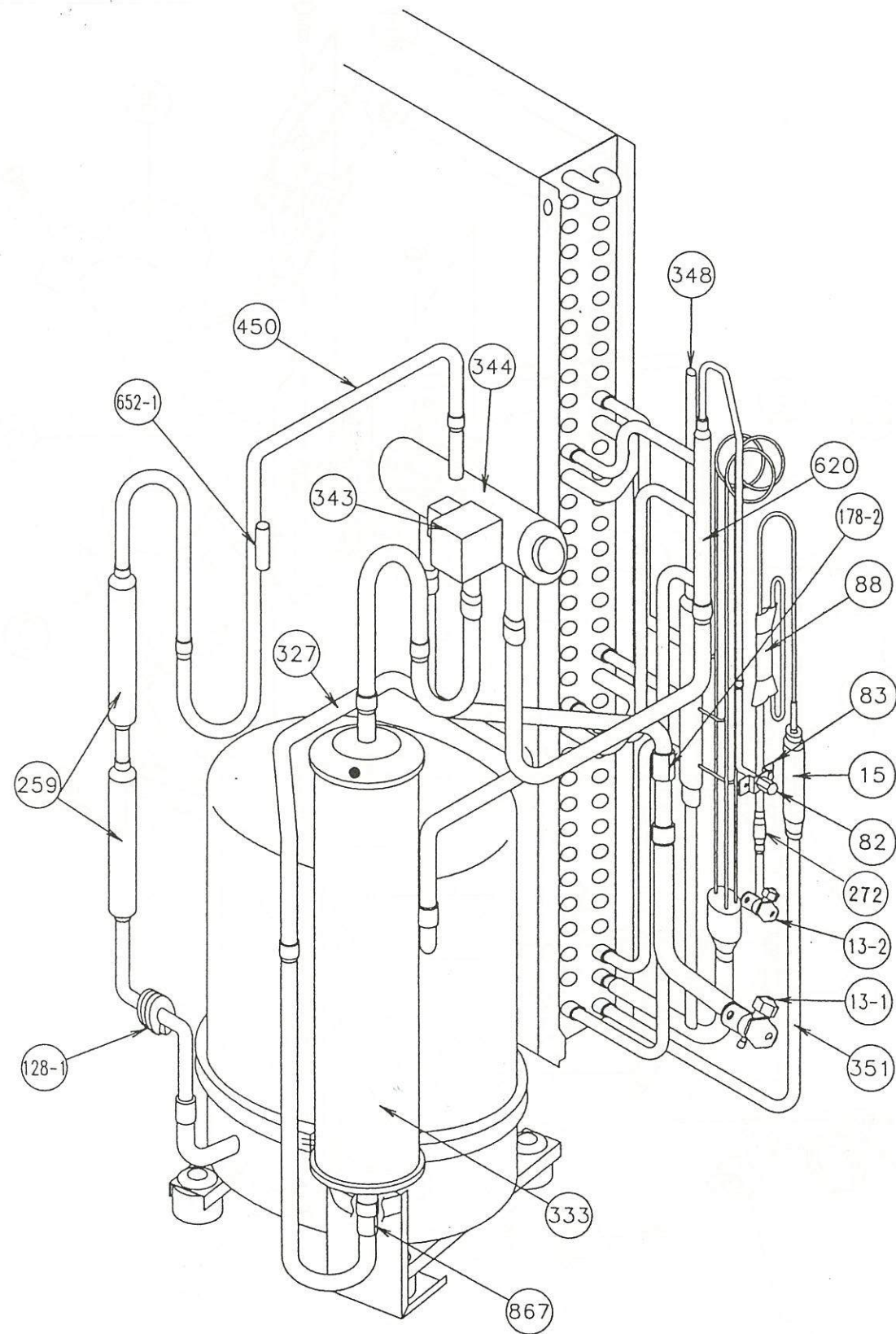
Models : AOG30ABJL
AOG30RBJL



Models : AOG30ABJL
AOG30RBJL

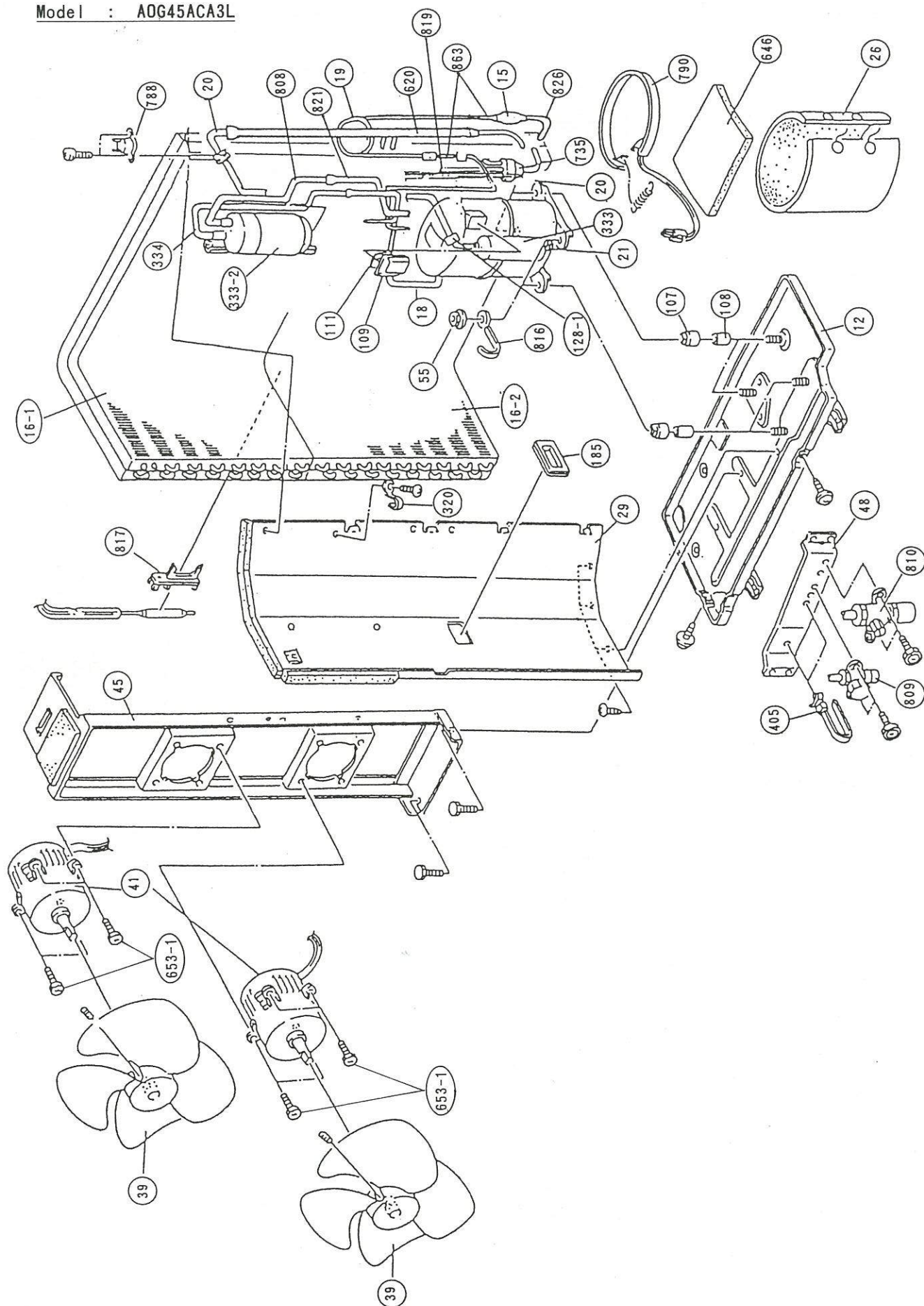




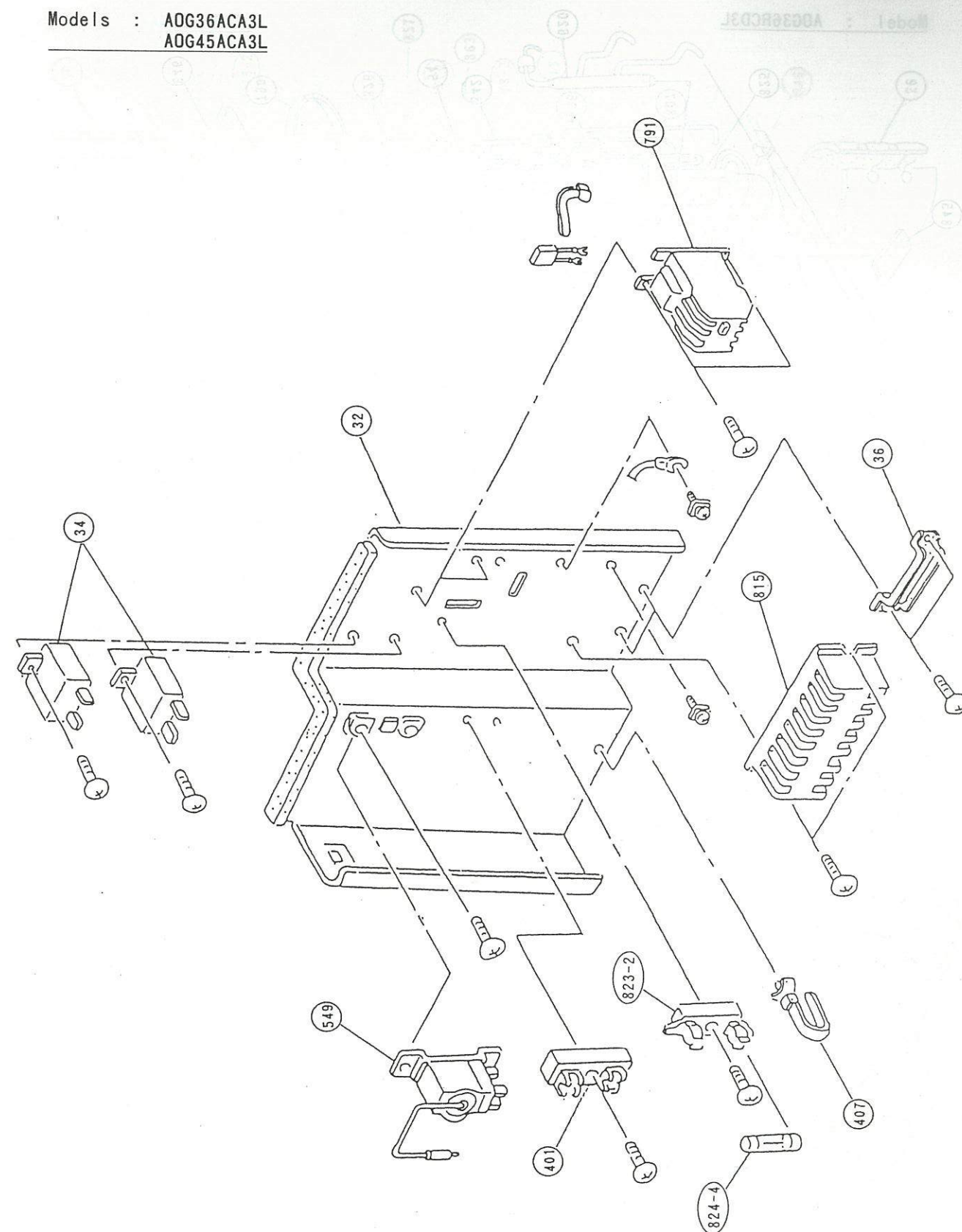


This exploded perspective view shows the main components of a rectangular air conditioning unit. The components are numbered as follows: 1 (top cover with a grid of louvers), 2 (bottom cover with a grid of louvers), 3 (top frame), 4 (bottom frame), 5 (side panel), 6 (side panel), 7 (side panel), 8 (side panel), 9 (side panel), 10 (side panel), 11 (side panel), 12 (side panel), 13 (side panel), 14 (side panel), 15 (side panel), 16 (side panel), 17 (side panel), 18 (side panel), 19 (side panel), 20 (side panel), 21 (side panel), 22 (side panel), 23 (side panel), 24 (side panel), 25 (side panel), 26 (side panel), 27 (side panel), 28 (side panel), 29 (side panel), 30 (side panel), 31 (side panel), 32 (side panel), 33 (side panel), 34 (side panel). The unit is shown in an exploded state, with lines indicating the assembly path for each part.

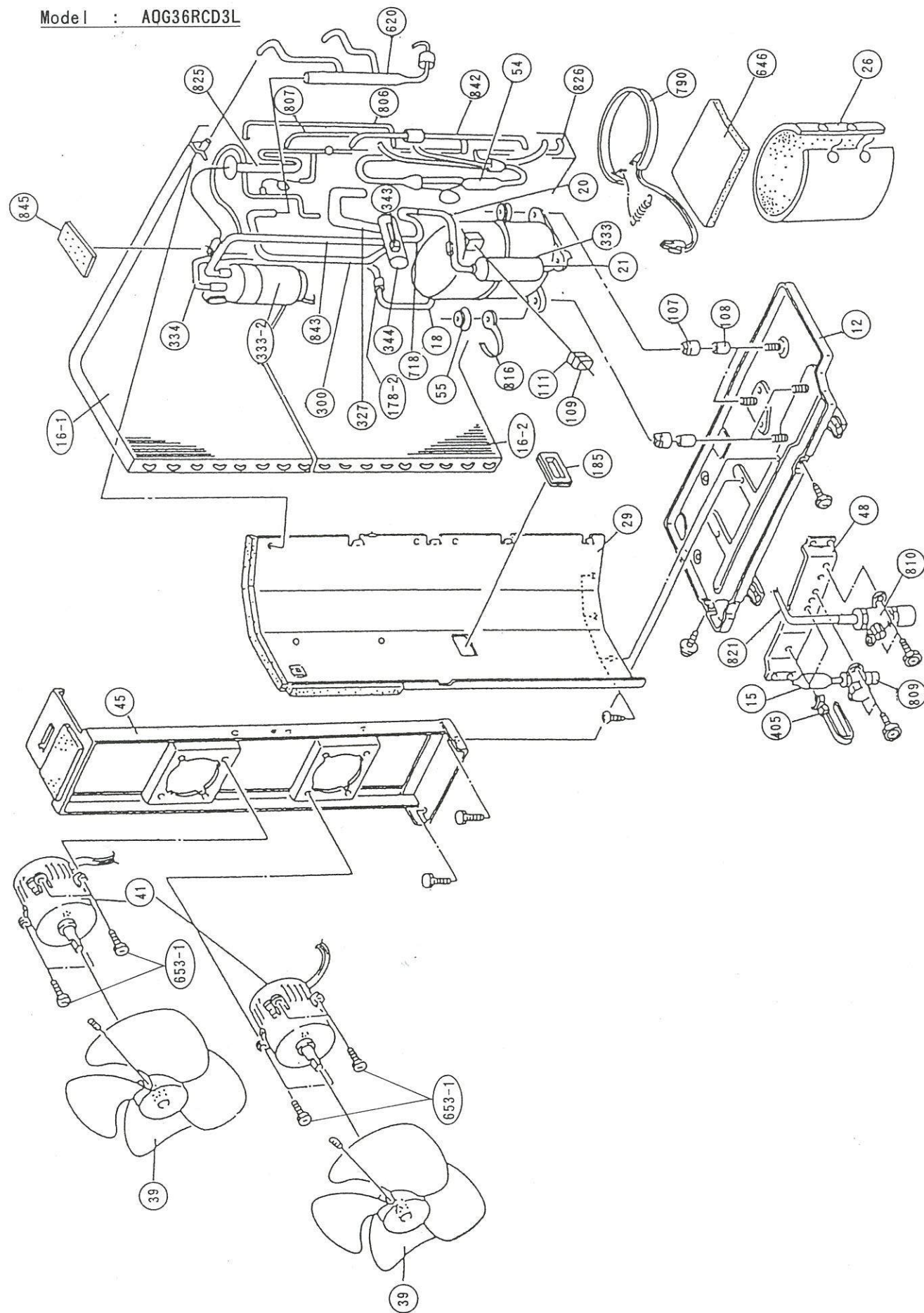
Model : AOG45ACA3L



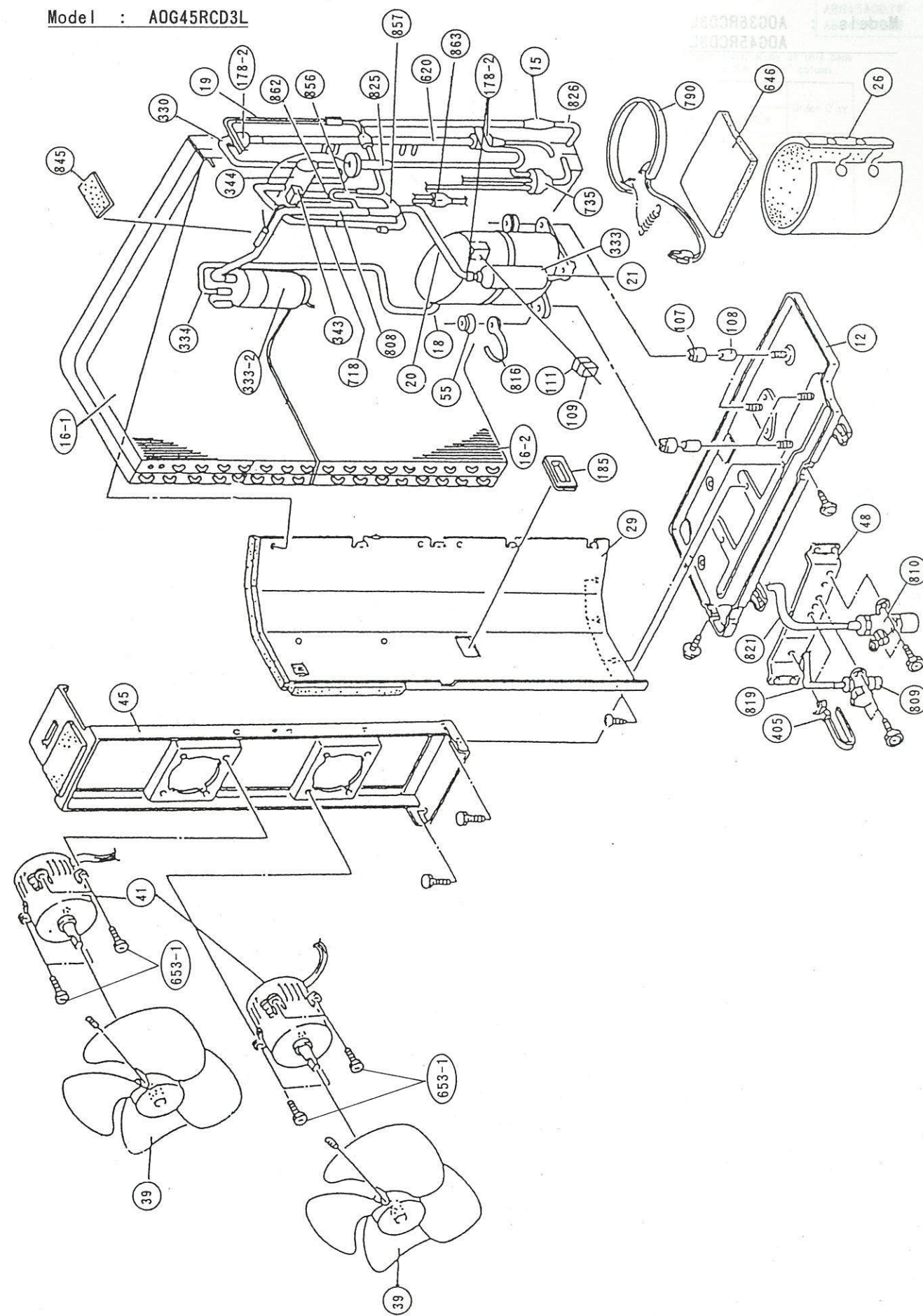
Models : AOG36ACA3L
AOG45ACA3L



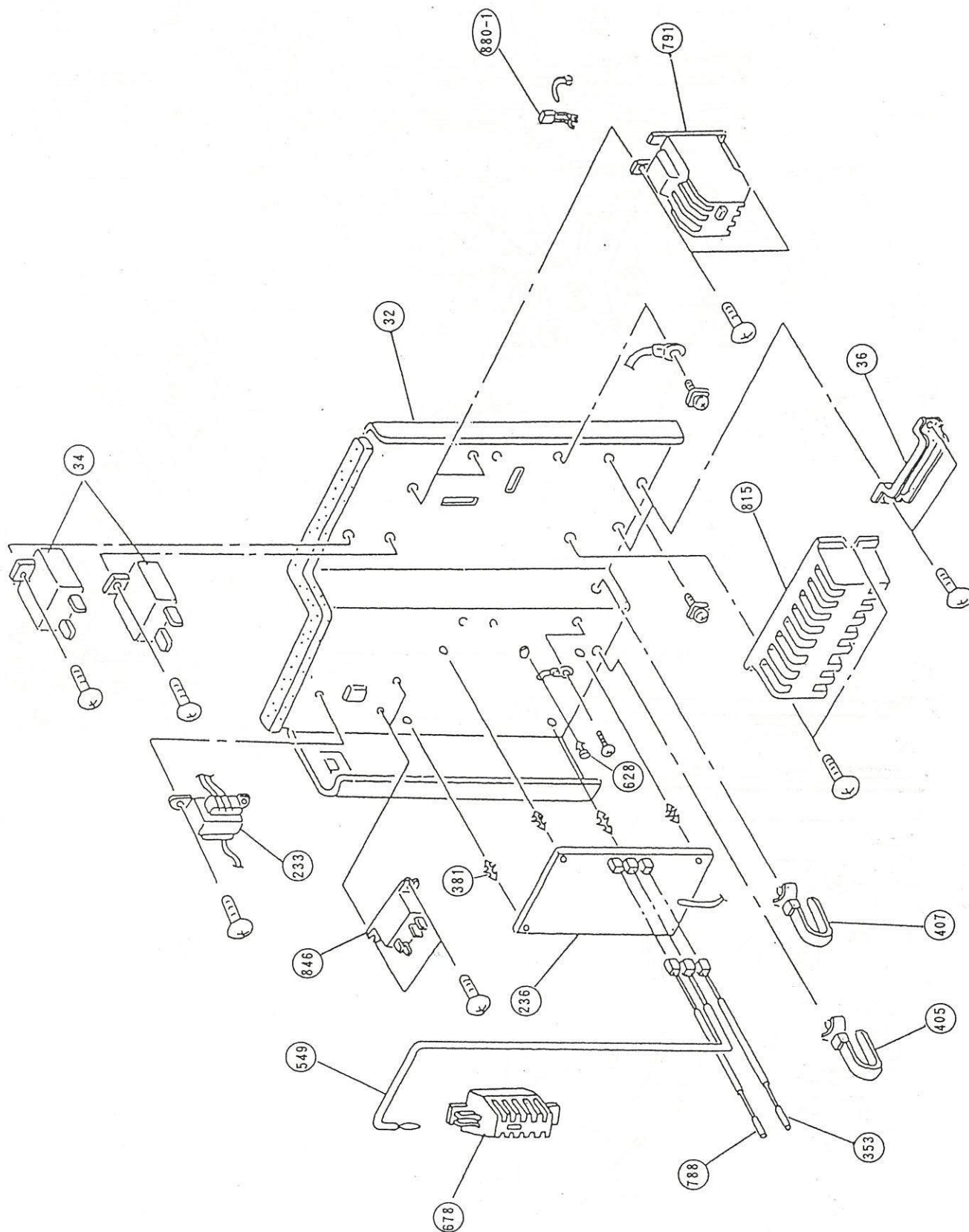
Model : AOG36RCD3L



Model : AOG45RCD3L



Models : AOG36RCD3L
AOG45RCD3L



PARTS LIST

ABG30AGA-W
ABG30RGA-W
ABG36AGB3W
ABG36RGB3W
ABG45AGB3W
ABG45RGB3W

Ref. No.		Description	Part No.						Order Q'ty
			ABG30AGA-W	ABG30RGA-W	ABG36AGB3W	ABG36RGB3W	ABG45AGB3W	ABG45RGB3W	
3		Louver	9359719007	9359719007	9359719007	9359719007	9359719007	9359719007	
8		Air Filter	9359739005	9359739005	9359739005	9359739005	9359739005	9359739005	
34		Capacitor (Fan Motor)	9700467069	9700467069	9700467069	9700467069	9700467069	9700467069	
56		Sirocco Fan Assy	9359701002	9359701002	9359701002	9359701002	9359701002	9359701002	
63		Panel (Front)	9359734000	9359734000	9359734000	9359734000	9359734000	9359734000	
74		Intake Grille	9359738008	9359738008	9359738008	9359738008	9359738008	9359738008	
91		Hinge	9359699002	9359699002	9359699002	9359699002	9359699002	9359699002	
108		Base Assy	9359680000	9359680000	9359680000	9359680000	9359680000	9359680000	
109		Casing	9359704003	9359704003	9359704003	9359704003	9359704003	9359704003	
122		Bearing-B Assy	9357921006	9357921006	9357921006	9357921006	9357921006	9357921006	
126		Bracket (Motor)	9359681007	9359681007	9359681007	9359681007	9359681007	9359681007	
138		Separate Wall	9359700005	9359700005	9359700005	9359700005	9359700005	9359700005	
146		Evaporator Assy	9359696001	9359696001	9359696001	9359696001	9359696001	9359696001	
160		Drain Pan	9359698005	9359698005	9359698005	9359698005	9359698005	9359698005	
164		Fan Motor Assy-IN	9360457004	9360457004	9360457004	9360457004	9360457004	9360457004	
174		Hanger	9359742005	9359742005	9359742005	9359742005	9359742005	9359742005	
181		Hole Cover	9359691006	9359691006	9359691006	9359691006	9359691006	9359691006	
185-1		Rubber Bushing	9357376004	9357376004	9357376004	9357376004	9357376004	9357376004	
186		Cover (Edge)	9360537010	9360537010	9360537010	9360537010	9360537010	9360537010	
187		Clamp No. 1219	93597127106	93597127106	93597127106	93597127106	93597127106	93597127106	
195		Clamp SKB-100	313361275805	313361275805	313361275805	313361275805	313361275805	313361275805	
210		Main Relay	9356781007	9356781007	9356781007	9356781007	9356781007	9356781007	
211		Cushion Rubber	313806328306	313806328306	313806328306	313806328306	313806328306	313806328306	
227		Badge "GENERAL"	9359735014	9359735014	9359735014	9359735014	9359735014	9359735014	
228		Insulation (Louver)-R	9359721000	9359721000	9359721000	9359721000	9359721000	9359721000	
229		Insulation (Louver)-L	9359722007	9359722007	9359722007	9359722007	9359722007	9359722007	
233		Control Box Assy	9359708001	9359708001	9359708001	9359708001	9359708001	9359708001	
234		Thermistor	9701946020	9701946020	9701946020	9701946020	9701946020	9701946020	
236		Controller PCB Assy	9701941186	9701941186	9701941186	9701941186	9701941186	9701941186	
240		Remote Control Unit	9359913023	9359913023	9359913023	9359913023	9359913023	9359913023	
240-1		Cover Panel (Pipe)-L	9359690009	9359690009	9359690009	9359690009	9359690009	9359690009	
240-2		Cover Panel (Pipe)-R	9359689003	9359689003	9359689003	9359689003	9359689003	9359689003	
253-1		Wire Assy (Connector)	9702321017	9702321017	9702321017	9702321017	9702321017	9702321017	
253-2		Wire Assy (Connector)	9702322014	9702322014	9702322014	9702322014	9702322014	9702322014	
253-3		Wire Assembly	9702311018	9702311018	9702311018	9702311018	9702311018	9702311018	
253-4		Wire Assy (Connector)	9702323011	9702323011	9702323011	9702323011	9702323011	9702323011	
253-5		Wire Assy (Connector)	9702319014	9702319014	9702319014	9702319014	9702319014	9702319014	
253-6		Wire Assy (Connector)	9702317010	9702317010	9702317010	9702317010	9702317010	9702317010	
253-7		Wire Assy (Connector)	9702318017	9702318017	9702318017	9702318017	9702318017	9702318017	
253-8		Wire Assy (Connector)	9702066055	9702066055	9702066055	9702066055	9702066055	9702066055	
253-9		Wire Assembly	9702309015	9702309015	9702309015	9702309015	9702309015	9702309015	
286		Bracket (Bearing)	9359686002	9359686002	9359686002	9359686002	9359686002	9359686002	
287		Cap (Power)	9352173011	9352173011	9352173011	9352173011	9352173011	9352173011	
321		Flap Assy	9359731009	9359731009	9359731009	9359731009	9359731009	9359731009	
329		Coupling Pipe Assy	9361160002	9361160002	9360456007	9360456007	9360456007	9360456007	
338-1		Fixture (Motor)	9359702009	9359702009	9359702009	9359702009	9359702009	9359702009	
338-2		Fixture (Motor)-B	9359703006	9359703006	9359703006	9359703006	9359703006	9359703006	
345-1		Filter Guide-R	9359692003	9359692003	9359692003	9359692003	9359692003	9359692003	
345-2		Filter Guide-L	9359693000	9359693000	9359693000	9359693000	9359693000	9359693000	
361		Bushing	9359733003	9359733003	9359733003	9359733003	9359733003	9359733003	
379		Hinge Plate (Grille)	9359694007	9359694007	9359694007	9359694007	9359694007	9359694007	
380		Locking Spacer KLS-6S	313209391403	313209391403	313209391403	313209391403	313209391403	313209391403	
381-4		Spacer	0600118075	0600118075	0600118075	0600118075	0600118075	0600118075	
382		Cover (Decoration)-R	9359744009	9359744009	9359744009	9359744009	9359744009	9359744009	
383		Cover (Decoration)-L	9359745006	9359745006	9359745006	9359745006	9359745006	9359745006	
384		Shaft	9359707004	9359707004	9359707004	9359707004	9359707004	9359707004	
385		Indicator PCB Assy	9702260019	9702260019	9702260019	9702260019	9702260019	9702260019	
386		Panel Left Assy	9359685005	9359685005	9359685005	9359685005	9359685005	9359685005	
387		Panel Right Assy	9359683001	9359683001	9359683001	9359683001	9359683001	9359683001	
388		Joint Assy	9359706007	9359706007	9359706007	9359706007	9359706007	9359706007	
396		Rfm Bracket Metal	9359697008	9359697008	9359697008	9359697008	9359697008	9359697008	
403		Fixture (Bearing)	9359687009	9359687009	9359687009	9359687009	9359687009	9359687009	
407		Rod (Motor)	9359723004	9359723004	9359723004	9359723004	9359723004	9359723004	
408		Link (Louver)	9359726005	9359726005	9359726005	9359726005	9359726005	9359726005	
424		Sector Gear	9359729006	9359729006	9359729006	9359729006	9359729006	9359729006	
434		Base (Louver)	9359718000	9359718000	9359718000	9359718000	9359718000	9359718000	
435		Louver Spring	9359720003	9359720003	9359720003	9359720003	9359720003	9359720003	
436		Flap Spring	9359730002	9359730002	9359730002	9359730002	9359730002	9359730002	
438		Pinion Gear	9359728009	9359728009	9359728009	9359728009	9359728009	9359728009	
448		Control Box-B	9359713005	9359713005	9359713005	9359713005	9359713005	9359713005	
472		Control Box-A	9359712008	9359712008	9359712008	9359712008	9359712008	9359712008	
505		Stopper (Louver)	9359724001	9359724001	9359724001	9359724001	9359724001	9359724001	
506		Rod (Louver)	9359725008	9359725008	9359725008	9359725008	9359725008	9359725008	
580		Cover (Top)	9359737001	9359737001	9359737001	9359737001	9359737001	9359737001	
625		Cord Bushing	9359240006	9359240006	9359240006	9359240006	9359240006	9359240006	
684		Motor Base	9359727002	9359727002	9359727002	9359727002	9359727002	9359727002	
735		Distributor Assy	9360455000	9360455000	9360455000	9360455000	9360455000	9360455000	
743		Remote Control Holder Case	9359955016	9359955016	9359955016	9359955016	9359955016	9359955016	
752		Bracket Panel (Pipe)	9359688006	9359688006	9359688006	9359688006	9359688006	9359688006	

G30AGA-W/AOG30ABJL
G30RGA-W/AOG30RBJL
G36AGB3W/AOG36ACA3L
G36RGB3W/AOG36RCD3L
G45AGB3W/AOG45ACA3L
G45RGB3W/AOG45RCD3L

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INDOOR UNIT (Continued)

Ref. No.	Description	Part No.						Order Q'ty
		ABG30AGA-W	ABG30RGA-W	ABG36AGB3W	ABG36RGB3W	ABG45AGB3W	ABG45RGB3W	
755	Cover (Casing)	9359705000	9359705000	9359705000	9359705000	9359705000	9359705000	
761	Cover (Side)-R	9359740001	9359740001	9359740001	9359740001	9359740001	9359740001	
762	Cover (Side)-L	9359741008	9359741008	9359741008	9359741008	9359741008	9359741008	
763	Cover (Receiver)	9359714002	9359714002	9359714002	9359714002	9359714002	9359714002	
815-1	Terminal-3P	9358660027	9358660027	9358660027	9358660027	9358660027	9358660027	
868	PCB Holder	9359736004	9359736004	9359736004	9359736004	9359736004	9359736004	
875	Filter PCB Assy	9702275013	9702275013	9702275013	9702275013	9702275013	9702275013	
876-1	Motor, Step-H	9360479013	9360479013	9360479013	9360479013	9360479013	9360479013	
876-2	Motor, Step-V	9360307026	9360307026	9360307026	9360307026	9360307026	9360307026	
982-1	Cord Clamp-A	9359820017	9359820017	9359820017	9359820017	9359820017	9359820017	
982-2	Cord Clamp-B	9359821014	9359821014	9359821014	9359821014	9359821014	9359821014	

OUTDOOR UNIT

Ref. No.	Description	Part No.						Order Q'ty
		AOG30ABJL	AOG30RBJL	AOG36ACA3L	AOG36RCD3L	AOG45ACA3L	AOG45RCD3L	
2	Fan Cover	9359808015	9359808015	9352159015	9352159015	9352159015	9352159015	
4	Emblem-Rear	313791088308	313791088308	313791088308	313791088308	313791088308	313791088308	
5	Cabinet-A, Painted	9359797029	9359797029	9352146015	9352146015	9352146015	9352146015	
6	Cabinet-C, Painted	—	—	9352149016	9352149016	9352149016	9352149016	
8	Wire Assy (Shield)-D	9359904021	9359904021	—	—	—	—	
9	Cabinet-B, Painted	9359798026	9359798026	9352147012	9352147012	9352147012	9352147012	
12	Base Assy, Painted	9359812029	9359812029	9352136016	9352136016	9352136016	9352136016	
13-1	3-Way Valve (5/8)	9360157003	9360157003	—	—	—	—	
13-2	3-Way Valve (3/8)	9360150004	9360150004	—	—	—	—	
15	Driver	9353789006	9353789006	9300589031	9353789006	9353789006	9353789006	
16	Condenser Assy	9360280015	9360280015	9352128011	—	—	—	
16-1	Condenser-A Assy	—	—	—	9353023001	9353338011	9353338011	
16-2	Condenser-B Assy	—	—	—	9353024008	9353363008	9353363008	
18	Suction Pipe	—	—	9352286001	9352286001	9353200006	9353200006	
19	Capillary Tube	—	—	9352439001	—	9353644008	9353373007	
20	Discharge Pipe	—	—	9352288005	9357362007	9353620002	9357359007	
21	Discharge Pipe-B	—	—	9352289002	9352289002	9353209009	9353209009	
26	Compressor Cover-A	9353088000	9360579003	9352416002	9352416002	9353367006	9353367006	
29	Separate Wall	9359804017	9359804017	9355277013	9355277013	9355277013	9355277013	
30	Blower Cover, Painted	—	—	9352151019	9352151019	9352151019	9352151019	
32	Control Box Metal	9359839019	9359839019	9352134012	9352134012	9352134012	9352134012	
34	Capacitor (Fan Motor)	9357965024	9357965024	9357965024	9357965024	9357965024	9357965024	
36	Cord Holder Metal	—	—	9356934007	9356934007	9356934007	9356934007	
37	Running Capacitor	9357211077	9357211077	—	—	—	—	
38	Capacitor Clamp Metal	9360610010	9360610010	—	—	—	—	
39	Propeller Fan Assy	9359837015	9359837015	9300855013	9300855013	9300855013	9300855013	
41	Fan Motor Assy-Out	9600266045	9600266045	9600266014	9600266014	9600266014	9600266014	
45	Bracket (Motor) Assy	—	—	9352141003	9352141003	9352141003	9352141003	
45-1	Motor Bracket Metal	9359801016	9359801016	—	—	—	—	
45-2	Motor Bracket Top Metal	9359803010	9359803010	—	—	—	—	
46	Compressor Assy	9360613011	9360613011	9352412004	9352412004	9353157003	9353157003	
48	Bracket (Coupler) Assy	—	—	9352281010	9352281010	9355281010	9355281010	
54	Condensing Pipe-A	—	—	9352296000	9357337005	—	—	
55	Special Nut M8 (For Comp.)	313252257701	313252257701	313252257701	313252257701	313252257701	313252257701	
64	Cabinet-left	9359840022	9359840022	—	—	—	—	
82	Check Joint Assy	9360772009	9360772009	—	—	—	—	
83	Check Joint Bracket	9359807018	9359807018	—	—	—	—	
84	Valve Cover	9359817017	9359817017	—	—	—	—	
85	Valve Fixing Plate	—	—	—	—	—	—	
88	Restrictor Valve	—	9360146007	—	—	—	—	
107	Rubber Seat-A (For Comp.)	313102081406	313102081406	9351875039	9351875039	9351875039	9351875039	
108	Sleeve-A (For Comp.)	313696081700	313696081700	9351875046	9351875046	9351875046	9351875046	
109	Terminal Cover (For Comp.)	9352456022	9352456022	9351875053	9351875053	9353360007	9353360007	
111	Terminal Packing	9352456039	9352456039	9351875060	9351875060	9353361004	9353361004	
128-1	Rubber (Discharge pipe)	—	—	313155086308	—	—	—	
178-2	Capillary Holder Rubber	313394274808	313394274808	313394274808	313394274808	313394274808	313394274808	
185	Rubber Bushing	—	—	313005066051	313005066051	313005066051	313005066051	
187	Clamp No. 1219	313361271706	313361271706	—	—	—	—	
218-2	Power Relay	9351553012	—	—	—	—	—	
218-3	Power Relay	9353619006	—	—	—	—	—	
233	Power Transformer	—	9701549016	—	9701549016	—	9701549016	
236	Controller PCB Assy	—	9701936014	—	9701936014	—	9701936014	
259	Muffler	313755083903	313755083903	—	—	—	—	
272	Strainer	—	9360147011	—	—	—	—	
300	Suction Pipe-C	—	—	313483219905	9352759000	313483219905	—	
320	Wire Clamp Metal	—	—	—	—	—	—	
327	Suction Pipe-A	9360152008	9360152008	—	9352754005	—	9353310002	
330	Inlet Pipe (Cond.)-A	—	—	—	—	—	—	
332	Suction Pipe-E	9361052000	—	—	—	—	—	
333	Accumulator	9360183002	9360183002	9350363018	9350363018	9350363018	9350363018	
333-2	Accumulator (B)	—	—	9301942019	9357987002	9357987002	9357987002	
334	Suction Pipe-B	—	—	9352557002	9352287008	9352287008	9352287008	
343	Solenoid Coil	—	9360538017	—	9359616108	—	9353532008	
344	4-Way Valve	—	9360195005	—	9353055002	—	—	
348	Outlet Pipe (Cond.) Assy	9360171009	9360171009	—	—	—	—	
349	Outlet Pipe-E	9360174000	—	—	—	—	—	
351	Outlet Pipe-F	—	—	—	—	—	—	
353	Thermistor Assy-Pipe	—	9701330010	—	9701330010	—	9701330010	
361	Accumulator Support Assy	9359843016	9359843016	9355351003	—	—	—	
381	Locking Spacer	—	313209391506	—	313209391506	—	313209391506	

ABG30AGA-W/AOG30ABJL
ABG30RGA-W/AOG30RBJL
ABG36AGB3W/AOG36ACA3L
ABG36RGB3W/AOG36RCD3L
ABG45AGB3W/AOG45ACA3L
ABG45RGB3W/AOG45RCD3L

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OUTDOOR UNIT (Continued)

Ref. No.	Description	Part No.						Order Q'ty
		AOG30ABJL	AOG30RBJL	AOG36ACA3L	AOG36RCD3L	AOG45ACA3L	AOG45RCD3L	
401	Terminal-2P	9701971015	—	9701971015	—	9701971015	—	
405	Clamp No. 1763	—	—	313816345304	313816345304	313816345304	313816345304	
407	Clip (Cable) No. 1259	313739340109	313739340109	313739340109	313739340109	313739340109	313739340109	
450	Discharge pipe-A Assy	9360166005	9360124005	—	—	—	—	
477	Bell Mouth	9359809012	9359809012	—	—	—	—	
527	Protection Net	9359844013	9359844013	9352163012	9352163012	9352163012	9352163012	
549	Thermostat Assy-Out	—	9357328027	—	9357328010	—	9357328010	
549	Thermostat Outdoor	—	—	9352426001	—	9352426001	—	
549-2	Thermostat Outdoor	9353680006	—	—	—	—	—	
620	Inlet Pipe (Cond.)-Assy	9350167002	9360126009	9355316019	9352741005	9353183002	9353183002	
628	Looking Spacer-B	—	313005446558	—	313005446558	—	313005446558	
646	Compressor Cover-B	9353368003	9353368003	313986355101	313986355101	9353368003	9353368003	
652-1	Thermistor Holder Pipe	—	313806262805	—	—	—	—	
653-1	Bolt (Fan Motor Fixing)	0700156014	0700156014	0700156014	0700156014	0700156014	0700156014	
678	Bracket (Thermistor)	—	313557406106	—	313557406106	—	313557406106	
718	Discharge Pipe-C	—	—	—	9352763007	—	9353211002	
734	Cabinet Top Plate	9359799023	9359799023	9352161018	9352161018	9352161018	9352161018	
735	Distributor Assy	—	—	—	—	9353187000	9353187000	
744	Clamp (Condenser)	313166374106	313166374106	—	—	—	—	
788	Thermistor-Discharge	—	9358337011	—	9358337028	—	9358337028	
788	Thermistor-Overheat	—	—	9354061002	—	9354061002	—	
790	Belt Heater	—	9353947000	9352415005	9352415005	9353359001	9353359001	
791	Magnetic Relay	—	—	9352552007	9352552007	9352552007	9352552007	
803	Cabinet-D, Painted	—	—	9352150012	9352150012	9352150012	9352150012	
805	Blower Cover Corner	—	—	9352160011	9352160011	9352160011	9352160011	
806	Cond. Pass Pipe-A	—	—	9352294006	9357340005	—	—	
807	Cond. Pass Pipe-B	—	—	9353090010	9354112001	—	—	
808	Inlet Pipe (Accumulator)	—	—	9352556005	—	9352285004	9353180001	
809	Ball Valve-A	—	—	9357976006	9357976006	9357976006	9357976006	
810	Ball Valve-B	—	—	9357982007	9357982007	9357982007	9357982007	
812	Grip	9352157004	9352157004	9352157004	9352157004	9352157004	9352157004	
813	Cabinet Hook	—	—	9352148002	9352148002	9352148002	9352148002	
815	Terminal-8P	9356484052	9356484052	9358640029	9358640029	9358640029	9358640029	
816	Wire Clamp Metal	—	—	313584219902	313584219902	313584219902	313584219902	
817	Thermostat Fixture	9352164019	—	9352164019	—	9352164019	—	
818	Accumulator Support-B Assy	—	—	9355350006	—	—	—	
819	Valve-A Coupl. Pipe	—	—	9352298004	—	—	—	
820	Joint Pipe (Capillary)	—	—	9352299001	—	—	—	
821	Joint Pipe Assy	—	—	9352284007	9352284007	9352284007	9353307002	
822	Fan Cover Fixture-A	—	—	9352158018	9352158018	9352158018	9352158018	
823-2	Fuse Holder	0500063024	—	0500063024	0500158072	0500063024	—	
824-4	Fuse	0600222529	—	0600222529	—	0600222529	—	
825	Expansion Valve Assy	—	—	—	9353001009	—	9353001009	
826	Condensing Pipe-B	—	—	9352297007	—	9353215000	9353215000	
842	Cond. Pass Pipe-C	—	—	—	9354111004	—	—	
843	Suction Pipe-B Assy	—	—	—	9352755002	—	—	
845	Insulation (Exp. Valve)	—	—	—	9353070012	—	9353370006	
846	Relay	—	—	—	9304375005	—	9304375005	
856	Equalizing Pipe-C	—	—	—	—	—	9353304001	
857	Inlet Pipe (Accumulator)-B	—	—	—	—	—	9353199003	
862	Valve-B Coupling Pipe Assy	—	—	—	—	—	9353309006	
863	Joint Pipe (Capillary)-B	—	—	—	—	9353206008	9353206008	
867	Accumulator Holder Rubber	9354022010	9354022010	—	—	—	—	
880-1	Network	—	—	9700987017	9700987017	9700987017	9700987017	
949	Screw, Painted White	9305648009	9305648009	—	—	—	—	
989-1	Cord Clamp-A	9359822011	9359822011	—	—	—	—	
989-2	Cord Clamp-B	9359823018	9359823018	—	—	—	—	

ABG30AGA-W/AUG30ABJL
ABG30RGA-W/AUG30RBJL
ABG36AGB3W/AUG36ACA3L
ABG36RGB3W/AUG36RCD3L
ABG45AGB3W/AUG45ACA3L
ABG45RGB3W/AUG45RCD3L

[INDOOR UNIT]
CONTROLLER PCB ASSEMBLY (Ref. No. 236) () : Reverse cycle model

Ref. No.	Description	Part No.	Ord. Q'ty	Ref. No.	Description	Part No.	Ord. Q'ty
R8, 10, 13, 15~ 17, 21~24, 29~32, 37, 39, 48, 50, 52, 53, 55, 59, 68	Res. 1/4W 10kΩ±5%	0200213019		CN7 CN8 CN9 CN10 CN11 CN12 CN13 CN14 CN15 CN16 C101, 102 C105, 106 SA101 (VA3) VA101, 102 TM101, 102 LF101 F101 FH1, 2 E101 W103, 104	Plug. PCB B2B-XAKK-1-A Plug. PCB B2B-XASK-1-A Plug. PCB B2P-SHF-1AA Plug. PCB B5B-XASK-1-A Plug. PCB B5B-XARK-1-A Plug. PCB B3B-XASK-1-A Plug. PCB B8B-XASK-1-A Plug. PCB B4B-XH-AM Plug. PCB B3B-XARK-1-A Plug. PCB B3B-VH-B Cap. Plastic 0.1μF Cap. Plastic 0.022μF Arrester DSA-362MA-05 Varistor TNR12G471K Varistor TNR12G471K Plug Contact 86028 EMI Filter SU16VF-15030 Fuse BET3.15A-250V Fuse Holder PFC5000-0502 Wire w/Terminal GRN L=100 Wire #18 3P	0501045227 0501045012 0500006069 0501045043 0501045517 0501045029 0501045074 0500005314 0501045319 0500011520 0300894835 0301052098 0600168032 0000038010 0000038010 0500536016 0400134114 0600222512 0500158072 9702313012 9702310011	
R9 R11 R12, 18~20, 25 ~28, 33~36 38, 42, 44, 46, 49, 51, 56~58 67	Res. 1/10W 390Ω±5% Res. Metal 1W 56kΩ±5% Res. 1/10W 1kΩ±5%	0200212647 0201106662 0200212746					
R40, 41 R43 R45 R54 CJ2 C5 C6 C7 C8	Res. 1/10W 4.7kΩ±5% Res. 1/10W 10kΩ±1% Res. 1/10W 49.9kΩ±1% Res. 1/10W 47Ω±5% Res. 0Ω Cap. Elec. 450V 100μF Cap. Plastic 4700pF Cap. Plastic 50V 0.047μF Cap. Elec. 25V 100μF	0200212906 0200279497 0200279824 0200212425 0200212012 0300312797 0300269091 0300169339 0301197560					

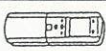
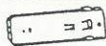
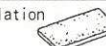
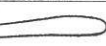
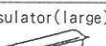
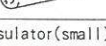
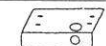
INDICATOR PCB ASSEMBLY (Ref. No. 385)

Ref. No.	Description	Part No.	Ord. Q'ty	Ref. No.	Description	Part No.	Ord. Q'ty
D201 D202 D203, 204 C201 C202 R201~204	Diode SLR-325VC RED Diode SLR-325MC GRN Diode SLR-325DC ORG Cap. Ceramic 0.1μF Cap. Elec. 25V 10μF Res. Carbon 1/4W 330Ω±5%	0000813259 0000813242 0000813235 0300988251 0300004258 0201038659		PHA201 SW201 CN201	Remote Control Amplifier SBX1610-22 Switch EVO-PAG-04K Wire w/Connector JC25/XMR Lamp Holder 94N40	0100417050 9700450016 9701875016 9358548004	

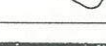
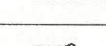
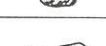
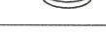
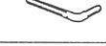
[OUTDOOR UNIT]
CONTROLLER PCB ASSEMBLY

Ref. No.	Description	Part No.	Ord. Q'ty	Ref. No.	Description	Part No.	Ord. Q'ty
IC1 IC2 IC3 IC4 IC5~6 RC1 Q1 Q2, 3 D1 D2 D3~5 D6 LED1, 2 R1, 2 R3, 6, 10~12, 14, 16, 18, 20, 24 R4, 26 R5, 7~9, 13, 21~23, 25 R15, 17 R19 C1, 4 C2, 3 C5 C6, 7, 21, 24, 27 C8, 18, 19, 22, 25, 28, 29, 34, 36	IC μPD78081CU-011 IC HU2001 IC PST600D-2-TP IC NLM7805FA IC BA12003 RC Module ARCL14FS103J102J103M Xstr 2SD880 Xstr DTC124ES Diode D2SB20 Diode MTZJ15C Diode 1SR139-400 Diode 1SS133 Diode SLR-325VC RED Res. Carbon 5.6kΩ±5% Res. Carbon 1kΩ±5% Res. Carbon 4.7kΩ±5% Res. Carbon 10kΩ±5% Res. Metal 14kΩ Res. Metal 6.65kΩ Cap. Plastic 0.1μF Cap. Ceramic 4700pF Cap. Elec. 50V 2200μF Cap. Elec. 25V 10μF Cap. Ceramic 0.1μF	9701721016 9701651016 0101461113 0100462081 0101650012 0200301020 0000001014 0000517010 0000599023 0000852203 0000353137 0000572019 0000813259 0200994192 0200994017 0200994178 0200994253 0201028612 0201028766 0300894835 0300727546 0301206026 0300004258 0300988251		C9~11, 14~16 30 C17 C20, 23, 26, 35 C33 L1 VA1, 4 F1 FH1, 2 SA1 K1~6 HT1 X1 CR1~3 CN1 CN2 CN3 CN4, 6 CN5 CN7 CN8 CN9 CN10 CN11 CN12 CN13 CN15 E	Cap. Ceramic 50V 0.01μF Cap. Elec. 25V 100μF Cap. Ceramic 50V 1000pF Cap. Elec. 25V 2200μF EMI Filter SU16VF-15030 Varistor TNR12G471K Fuse BET 3.15A-250V Fuse Holder PFC5000-0502 Arrester DSA-362MA-05 Relay JQ1-12V Heat Sink PUG26-25 Ceramic Resonator EF0EC5004T4Z Network RPEL-121204 Plug. PCB 53406-9110 Plug. PCB B2P3-VH-B-R Plug. PCB B2B-XH-AM Plug. PCB 53331-0210 Plug. PCB B4P7-VH-B Plug. PCB B4P7-VH-B-R Plug. PCB 179844-2 Plug. PCB 179844-1 Plug. PCB B4P-SHF-1AA Plug. PCB B2P-VH-B Plug. PCB B2P-VH-B-C Plug. PCB B2P-VH-B-R Plug. PCB B2B-XASK-1-A Wire w/Terminal L=210 GRN	0300013113 0300051375 0300011096 0300915417 0400134114 0000038010 0600222512 0500158072 0600168032 9701316014 9701428014 9701261024 9701125012 0500951086 0500011766 0500005321 0501033019 0500011742 0500011797 0501121020 0501121013 0500006038 0500011124 0500011568 0500011148 0501045012 9701325016	

INDOOR UNIT ACCESSORIES

Name and Shape	Q'ty	Application	ABG30AGA-W	ABG30RGA-W	ABG36AGB3W	ABG36RGB3W	ABG45AGB3W	ABG45RGB3W
Remote control unit 	1	Use for air conditioner operation	9359913023 (AR-DL2)	9359913016 (AR-DL1)	9359913023 (AR-DL2)	9359913016 (AR-DL1)	9359913023 (AR-DL2)	9359913016 (AR-DL1)
Battery (penlight) 	4	For remote control unit	313187358304	313187358304	313187358304	313187358304	313187358304	313187358304
Remote control unit holder 	1	For mounting the remote control unit	9359955016	9359955016	9359955016	9359955016	9359955016	9359955016
Tapping screw (φ3×12) 	3	For remote control unit holder installation	301141533125	301141533125	301141533125	301141533125	301141533125	301141533125
Drain hose insulation 	1	Adhesive type 70×230	9360464002	9360464002	9360464002	9360464002	9360464002	9360464002
VT wire 	1	For fixing the drain L280mm	313806350303	313806350303	313806350303	313806350303	313806350303	313806350303
Coupler heat insulator (large) 	2	For indoor side pipe joint (large pipe)	9350716029	9350716029	9350716029	9350716029	9350716029	9350716029
Coupler heat insulator (small) 	1	For indoor side pipe joint (small pipe)	9352766015	9352766015	9352766015	9352766015	9352766015	9352766015
Nylon fastener 	Large 4 Small 4	For fixing the coupler heat insulator	9301501001 312300787605	9301501001 312300787605	9301501001 312300787605	9301501001 312300787605	9301501001 312300787605	9301501001 312300787605
Special nut A (large flange) 	4	For installing indoor unit	313005446653	313005446653	313005446653	313005446653	313005446653	313005446653
Special nut B (small flange) 	4	For installing indoor unit	313005446759	313005446759	313005446759	313005446759	313005446759	313005446759
Installation template 	1	For positioning the indoor unit	9360022004	9360022004	9360022004	9360022004	9360022004	9360022004
Auxiliary pipe assembly 	1	For connecting the piping	9361155008	9361155008	9360463005	9360463005	9360463005	9360463005

OUTDOOR UNIT ACCESSORIES

Name and Shape	Q'ty	Application	AOG30ABJL	AOG30RBJL	AOG36ACA3L	AOG36RCD3L	AOG45ACA3L	AOG45RCD3L
Power cap 	1	For power cord installation			9352173011	9352173011	9352173011	9352173011
Auxiliary assembly 	1	For wiring conduit (gas side) connection (May not be supplied, depending on the model)			9355292016	9355292016	9355292016	9355292016
Edge cover 	1	For wiring conduit installation hole edge protection			9352436000	9352436000	9352436000	9352436000
Tapping screw 	2	* For cabinet A and cabinet D mounting(1) * Spare(1)			301463040100	301463040100	301463040100	301463040100
Binder 	1	For power cord binding			313035356905	313035356905	313035356905	313035356905
Puttyer 	1	For sealing			303020200114	303020200114	303020200114	303020200114
Coupler heat insulation 	1	For outdoor side pipe joint			313005074759	313005074759	313005074759	313005074759
Pipe (drain) 	2					313728031005		313728031005
Flexible tube 	2					313013042915		313013042915
Cap (drain) 	2			313166024302		313166024302		313166024302
Hexagon wrench 	1		9351228019	9351228019				
Cable clip 	2		31373940109	31373940109				
Tapping screw (painted) 	1		9305648009	9305648009				
Drain pipe 	1			9303029015				

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FUJITSU GENERAL LIMITED

9807K1368

July 1998 Printed in Japan