

SPLIT TYPE ROOM AIR CONDITIONER

WALL MOUNTED type

SERVICE MANUAL



Models

Indoor unit

Outdoor unit

ASY9USCCW

AOY9USCC

ASY9USCCW

AOY9UFCC

ASY12USCCW

AOY12USCC

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FUJITSU GENERAL LIMITED

SPECIFICATIONS

TYPE	COOLING & HEATING	
INDOOR UNIT	ASY9USCCW	ASY12USCCW
OUTDOOR UNIT	AOY9USCC, AOY9UFCC	AOY12USCC
COOLING CAPACITY	2.60 kW	3.25 kW
HEATING CAPACITY	2.95 kW	3.95 kW

ELECTRICAL DATA

POWER SOURCE		230V	230V
RUNNING CURRENT (	COOL	4.	5.
	HEAT	4.	5.
INPUT WATTS (	COOL	1.	1.
	HEAT	0.	1.
E.E.R. (	COOL	2.	2.
	HEAT	3.	3.
MOISTURE REMOVAL (l/		1.	1.
AIR CIRCULATION HIGH (³	COOL		COOL

COMPRESSOR

TYPE		Her 2	
DISCRIMINATION		802-141-45B	802-361-35B
POWER SOURCE		220, 230, 240V / 50Hz	220, 230, 240V / 50Hz
REFRIGERANT R410A		650 g	750 g
REFRIGERANT CHARGE	Pi 7.	650 g	750 g
	10	700 g	800 g
	15	800 g	900 g
ADDITIONAL REFRIGERANT		20 g/m	20 g/m

FAN MOTOR

POWER SUPPLY		230 V	230 V
INDOOR UNIT (	HI	COOL	COOL
	MED-	COOL	COOL
	LO-	COOL	COOL
	QUI	COOL	COOL
OUTDOOR UNIT (		800	770

DIMENSIONS

INDOOR UNIT	H x W x D	257 x 808 x 187 mm	257 x 808 x 187 mm
OUTDOOR UNIT	H x W x D	535 x 650 x 250 mm	535 x 695 x 250 mm

WEIGHT

INDOOR UNIT	GROSS / NET	10 kg / 8 kg	10 kg / 8 kg
OUTDOOR UNIT	GROSS / NET	29 kg / 26 kg	34 kg / 31 kg

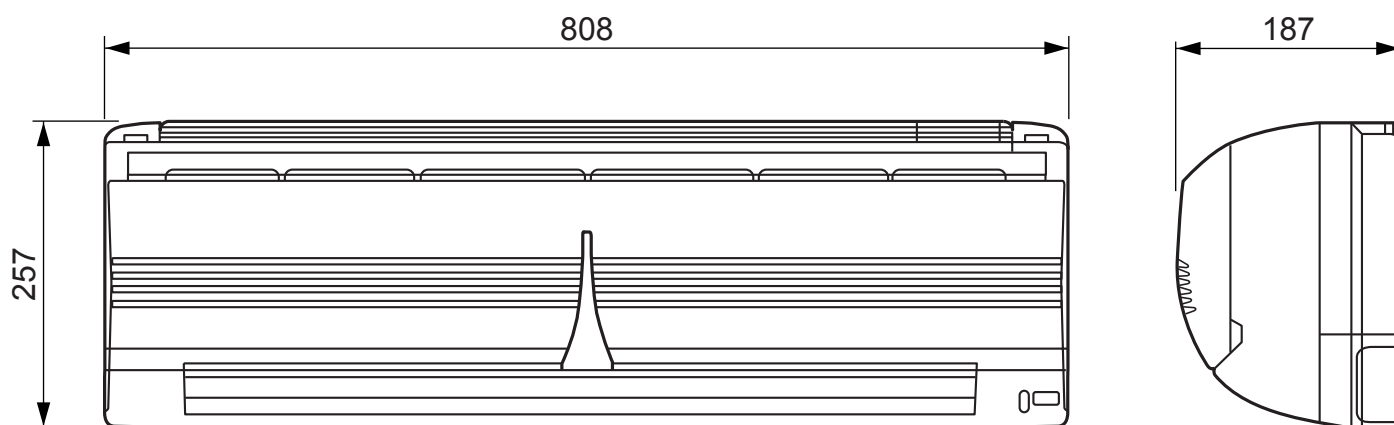
NOISE LEVEL

INDOOR UNIT (	HI	COOL	COOL
	MED-	COOL	COOL
	LO-	COOL	COOL
	SUPER	COOL	COOL
OUTDOOR UNIT (		COOL	COOL

DIMENSIONS

INDOOR UNIT

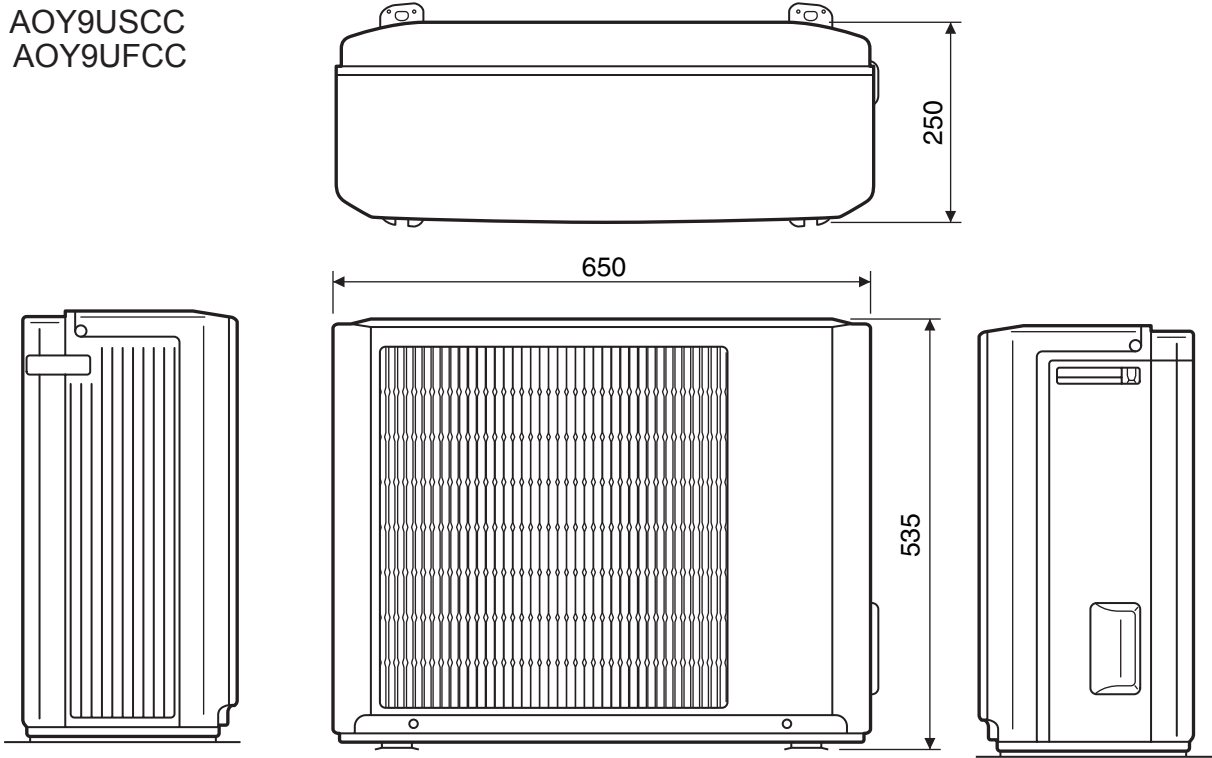
Unit : mm



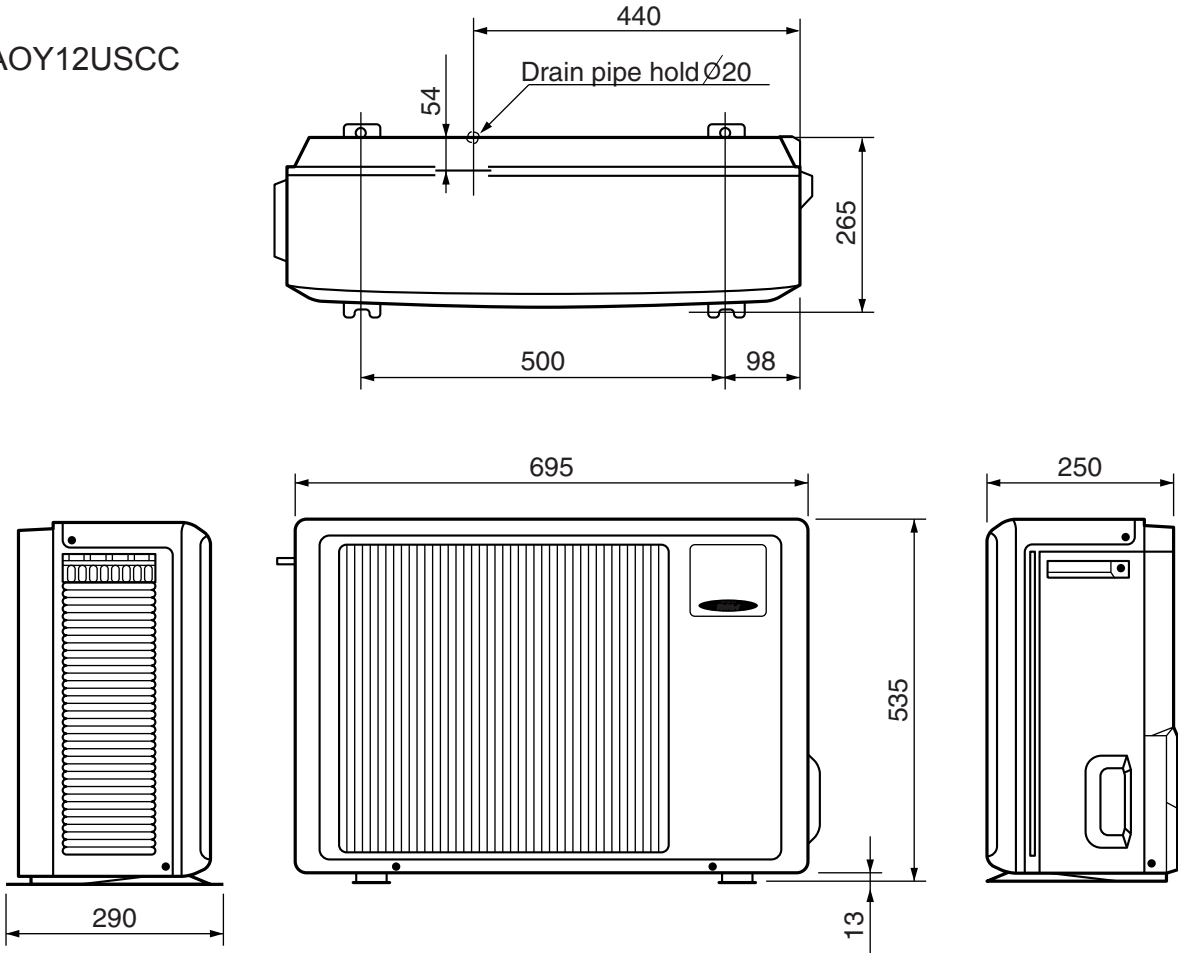
OUTDOOR UNIT

Unit : mm

Model : AOY9USCC
AOY9UFCC

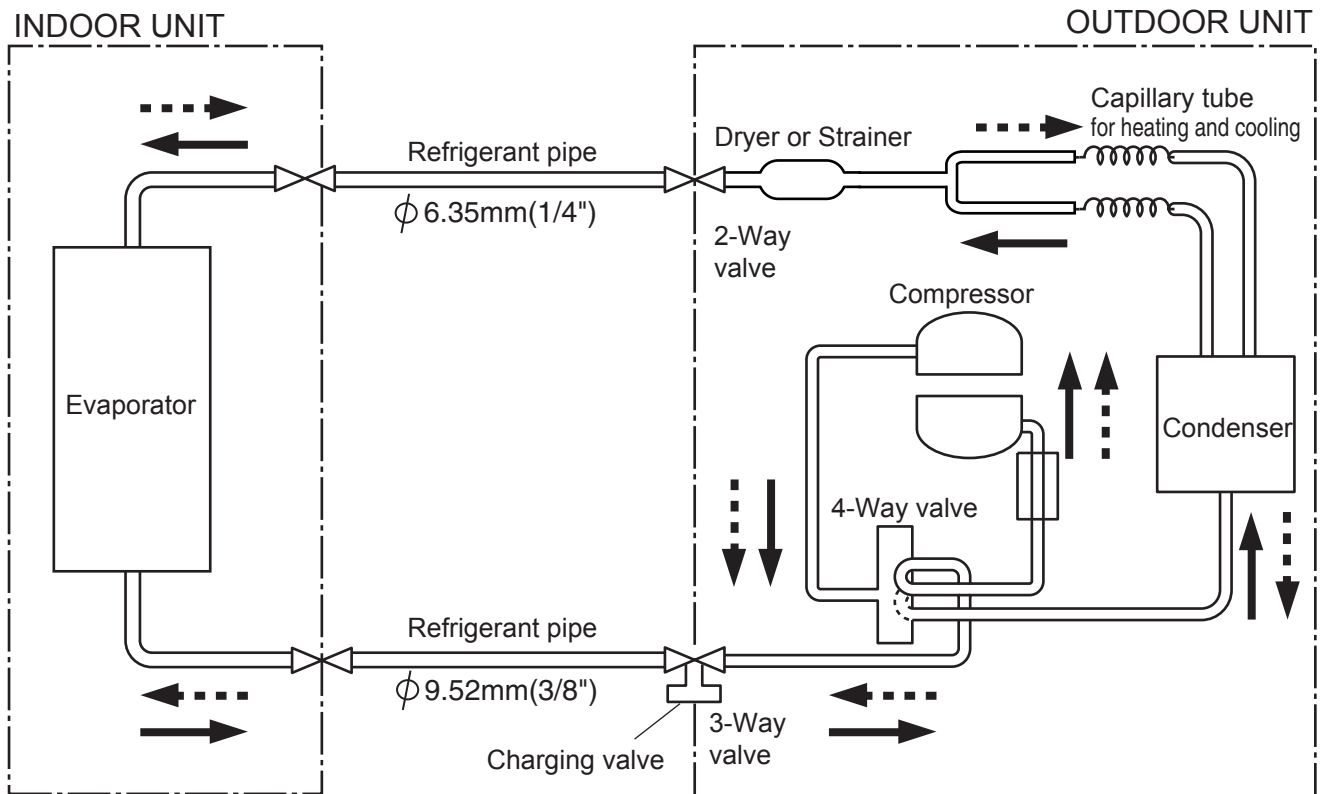


Model : AOY12USCC

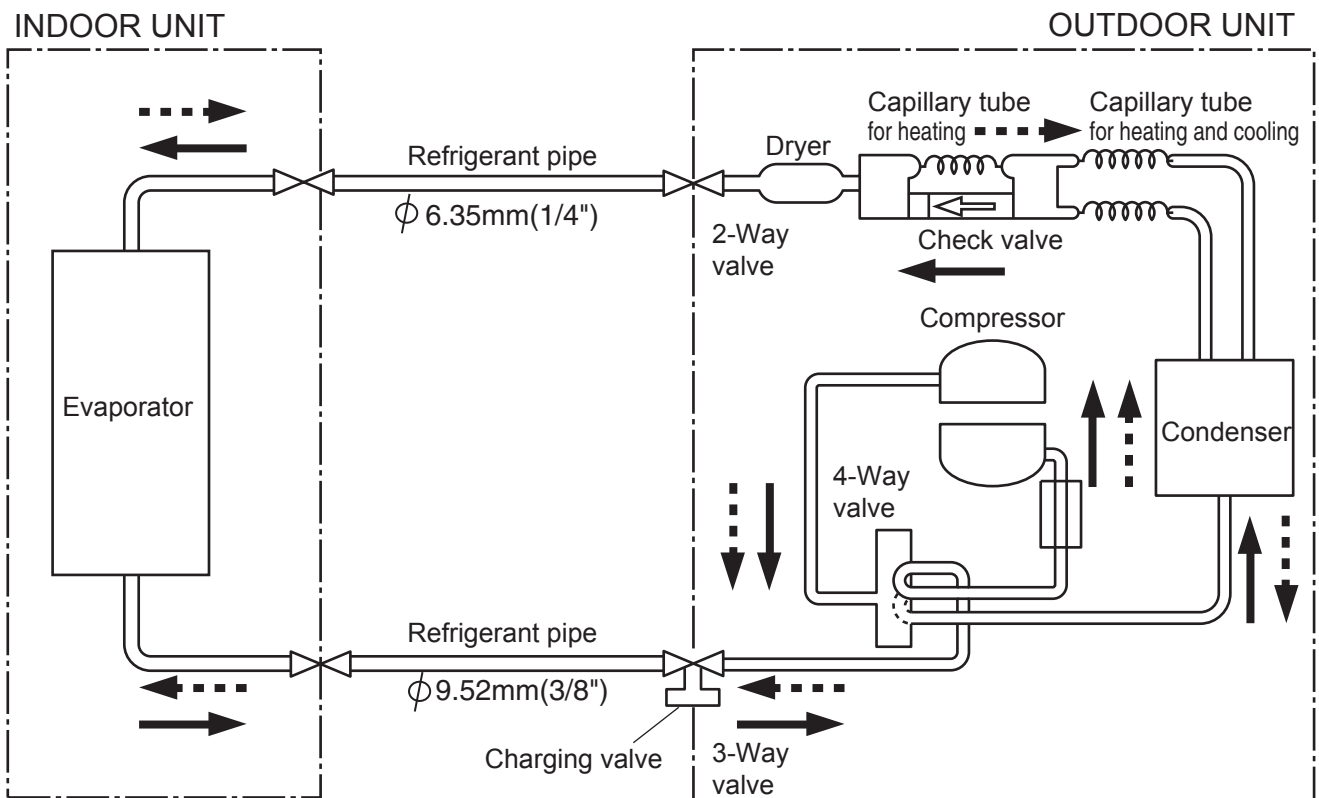


REFRIGERANT SYSTEM DIAGRAM

Models : ASY9USCCW / AOY9USCC
ASY9USCCW / AOY9UFCC

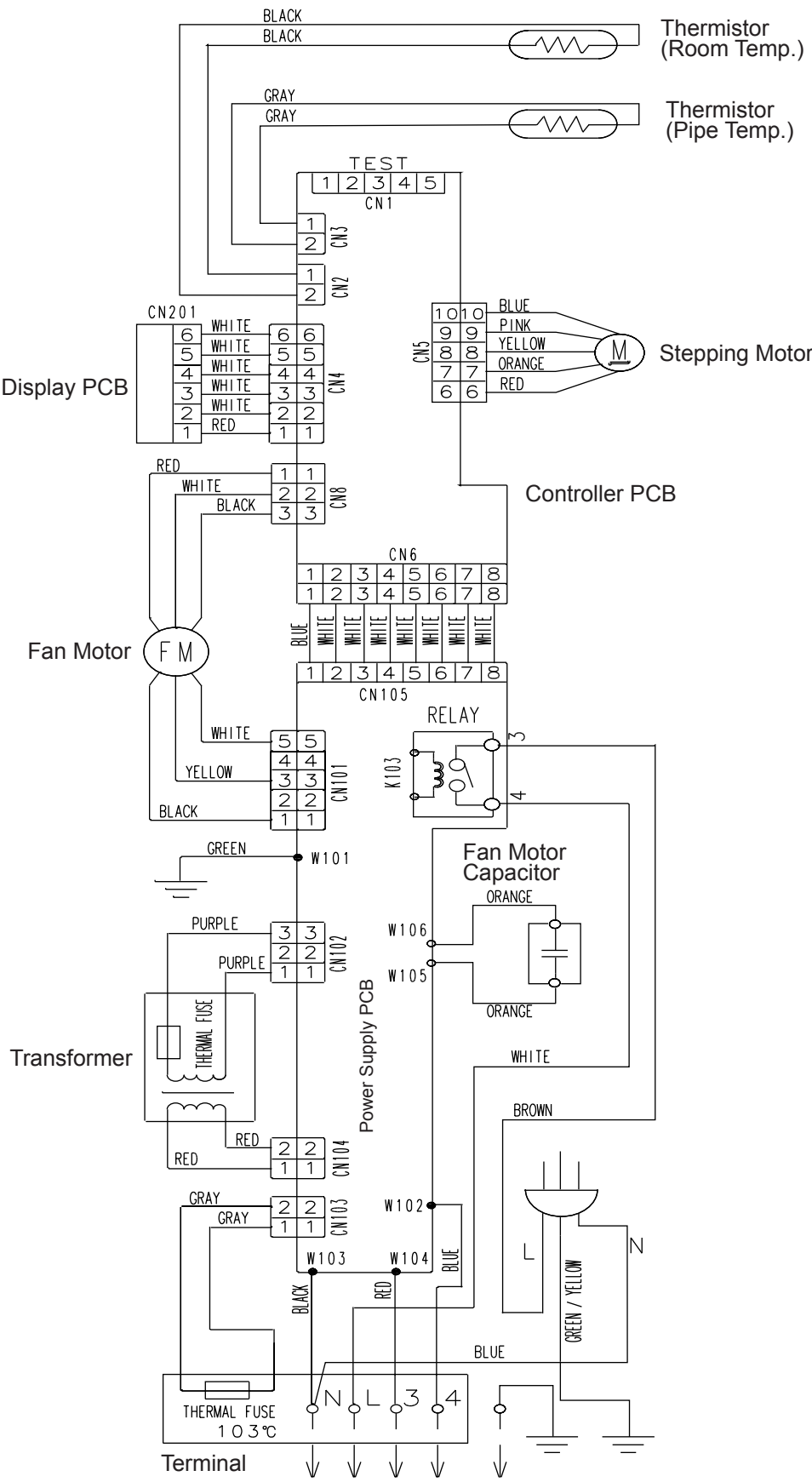


Models : ASY12USCCW / AOY12USCC

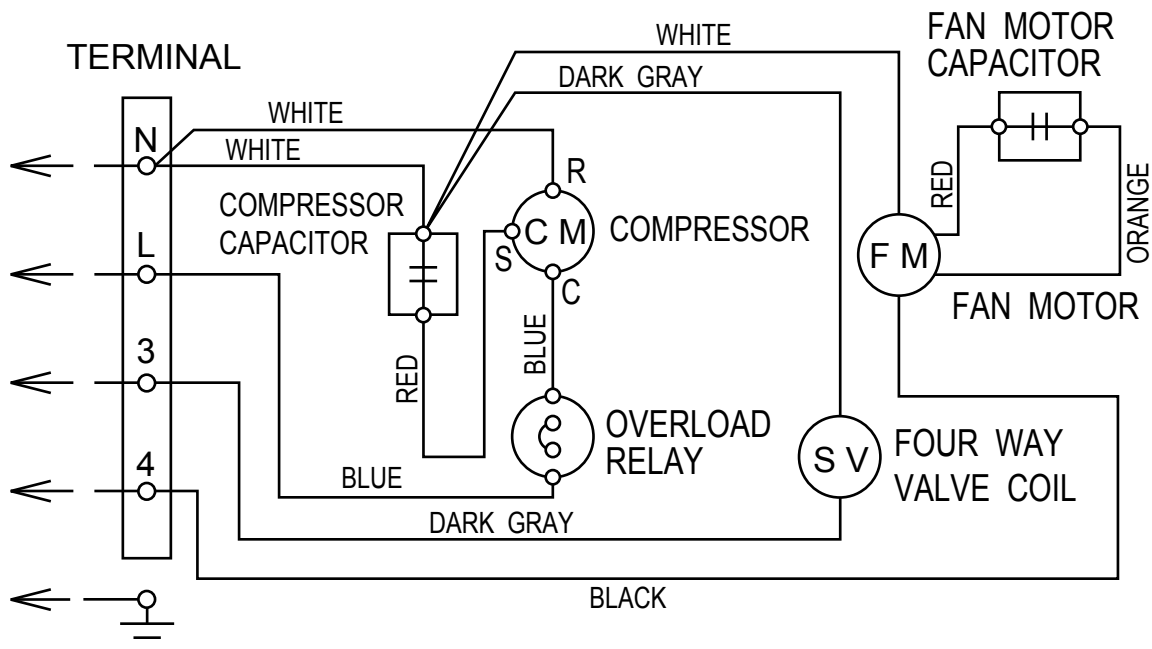


CIRCUIT DIAGRAM

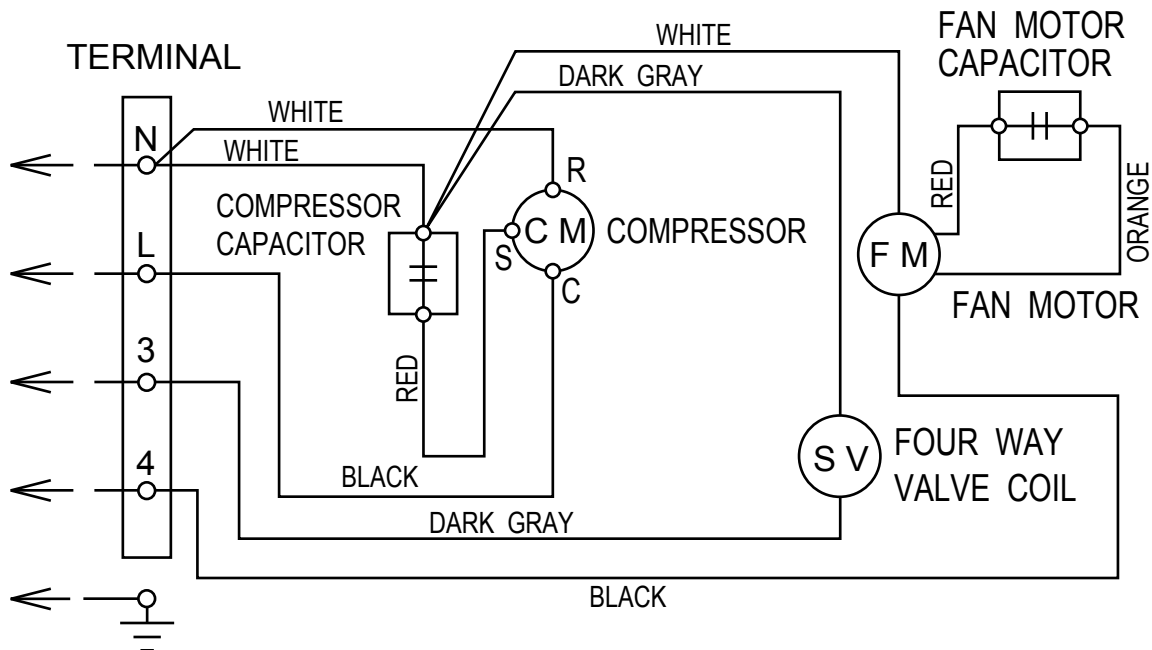
INDOOR UNIT



Models : AOY9USCC
AOY12USCC



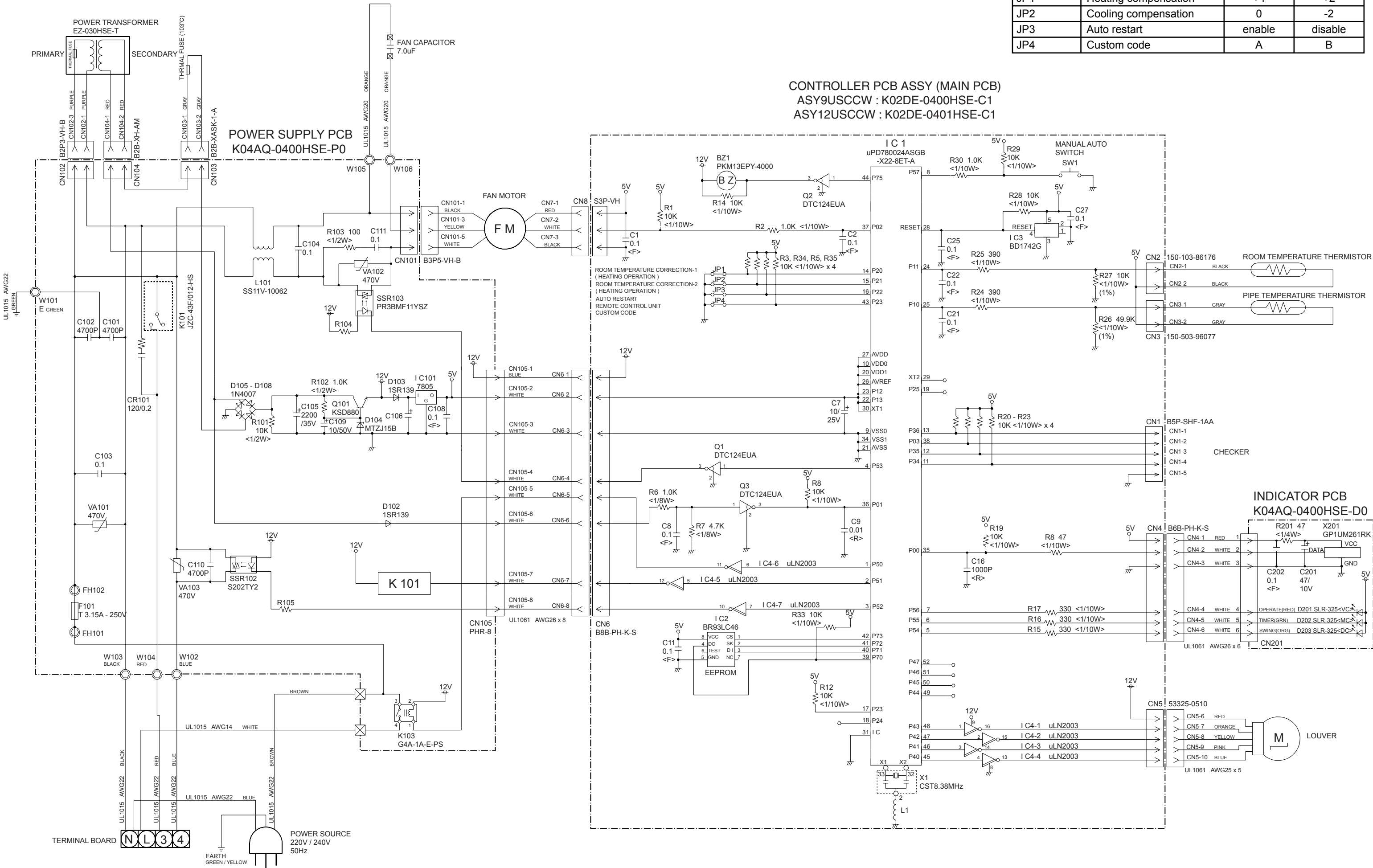
Model : AOY9UFCC



INDOOR PCB CIRCUIT DIAGRAM

Jumper wire configurations

Switch	Function	ON/Linked	OFF/Open
JP1	Heating compensation	+4	+2
JP2	Cooling compensation	0	-2
JP3	Auto restart	enable	disable
JP4	Custom code	A	B



ERROR DISPLAY

Lar			Smal		
LED		Er	LED		
oper	t		oper	t	
0. 2	0.	t	0.	0. 2	r
			0.	0. 3	heat
0. 4	0.	cont (	0.	0. 2	MANUAL
			0.	0. 4	power
0. 6	0.	f (	0.	0. 2	l
			0.	0. 3	r
0.	0.				model

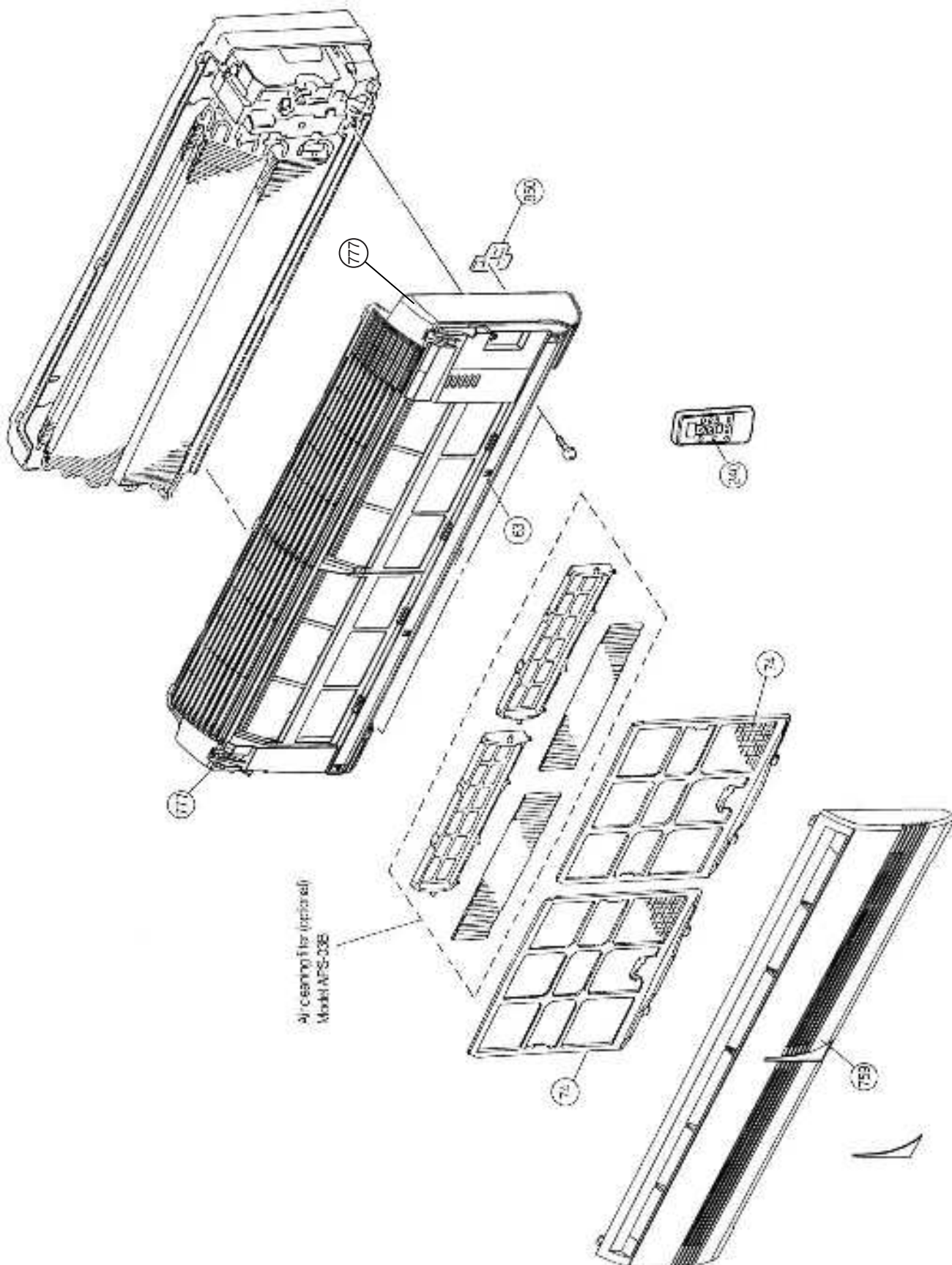
Indication :

When an error happens, first indication is "Large division indication".

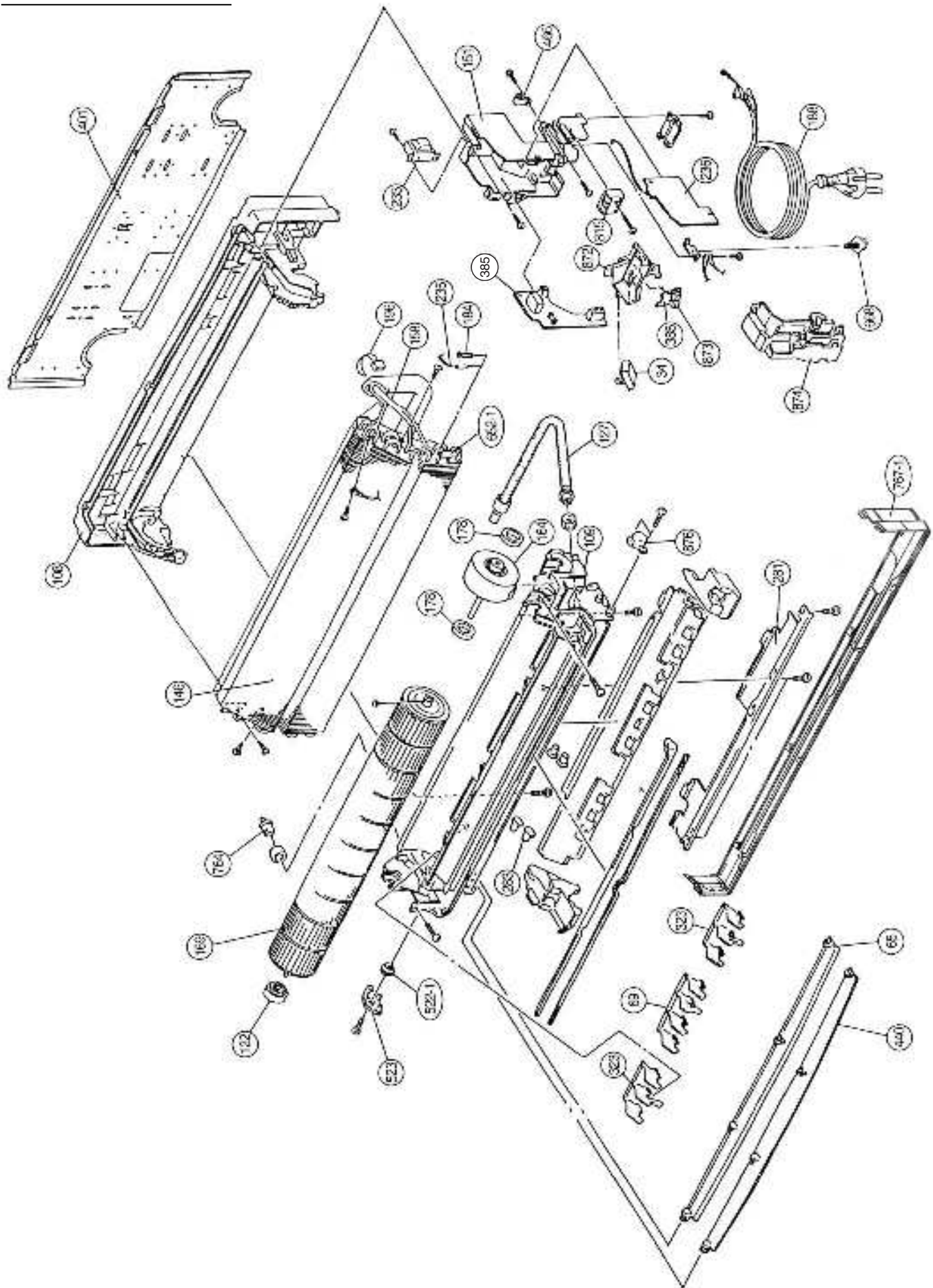
Indication is switched by pushing TEST OPERATION button between "Large" and "Small".

DISASSEMBLY ILLUSTRATION

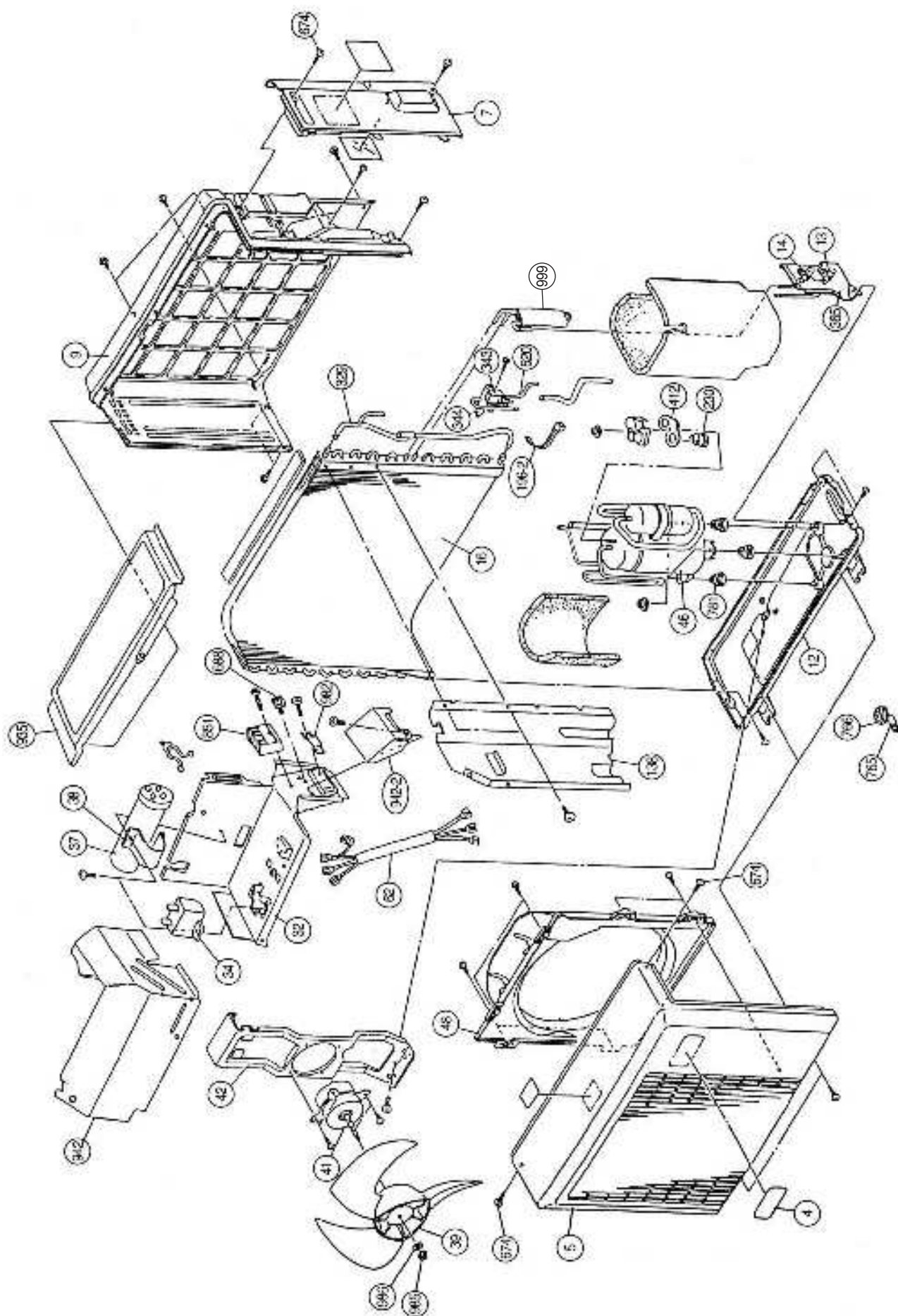
Models : ASY9USCCW
ASY12USCCW



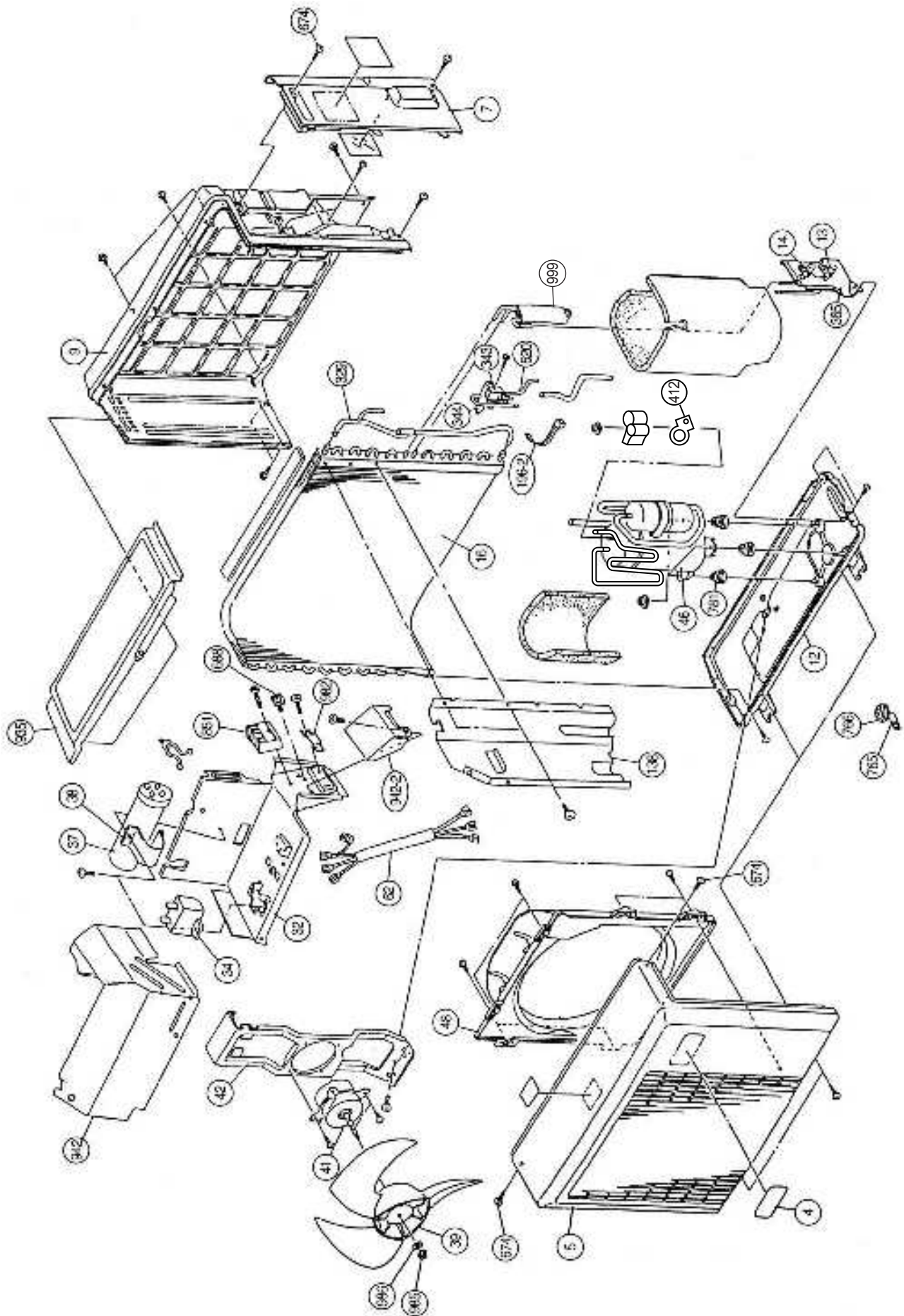
Models : ASY9USCCW
ASY12USCCW

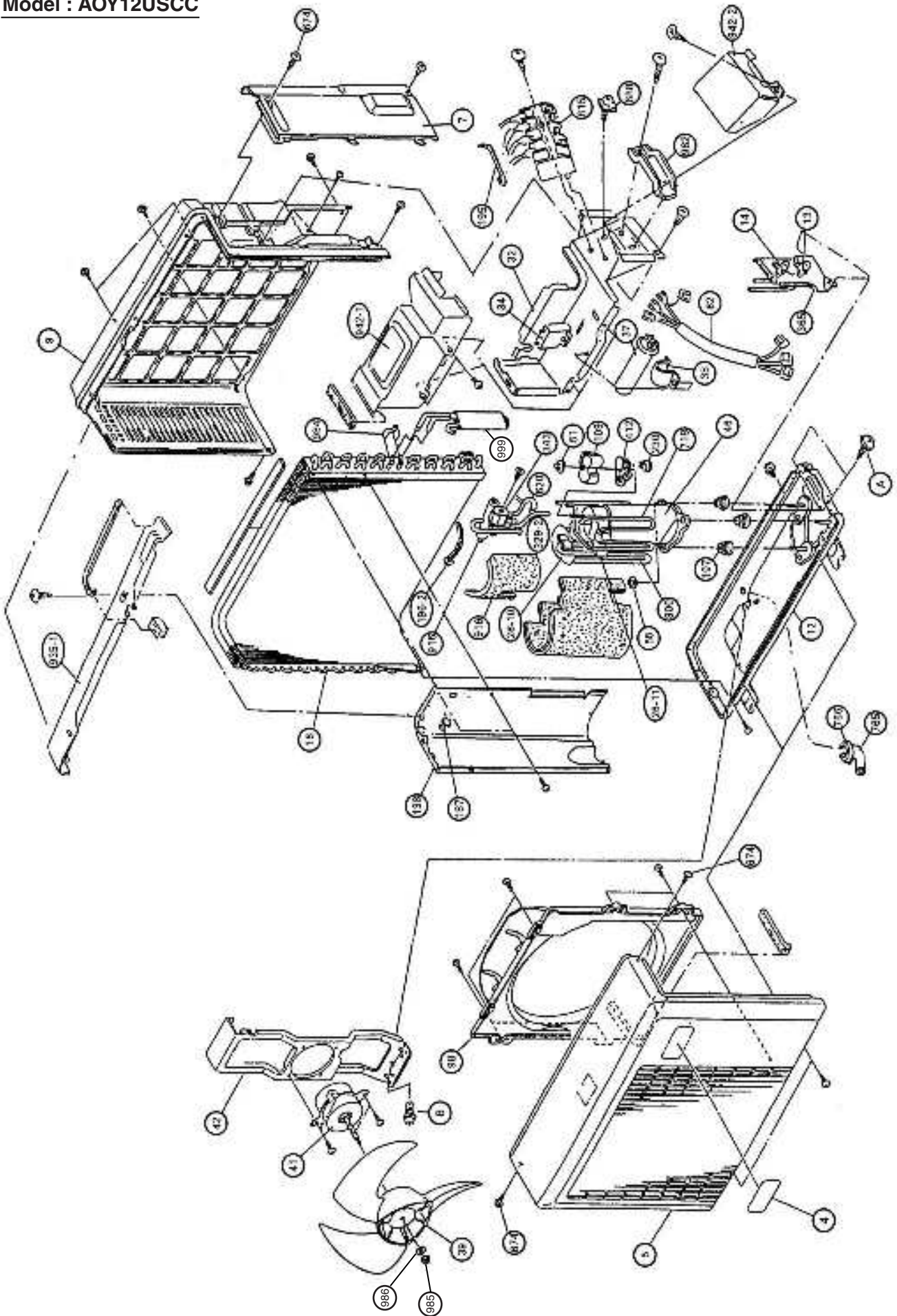


Model : AOY9USCC



Model : AOY9UFCC





PARTS LIST

INDOOR UNIT

Ref. No.	Description	Part No.	
		ASY9USCCW	ASY12USCCW
34	Capacitor (Fan Motor)	9900089061	9900089061
63	Panel (Front) Total Assy	9312417032	9312417063
65	Flow Control Panel-Z	9306058012	9306058012
69	Louver-A	9306055028	9306055028
74	Filter	9305444014	9305444014
108	Base	9309755062	9309755062
109	Casing	9306052027	9306052027
122	Shaft Holder -B	9303066010	9303066010
127	Drain Hose Assy	9305550029	9305550029
146	Evaporator Assy	9330144019	9330144019
151	Control Box	9330007017	9330007017
158	Connecting Pipe Assy	9306416010	9306416010
164	Fan Motor Assy-IN	9601171010	9601171010
169	Cross-Flow Fan Assy	9307836015	9307836015
178	Motor Cushion -M	9601302018	9601302018
184	Thermistor Sping	313728262708	313728262708
188	Power Cord Assy	9702595043	9702595043
196	Clamp SKB-150	313035356905	313035356905
233	Power Transformer	9900028015	9900028015
235	Thermistor Assy -Pipe	9702039059	9702039059
236	Controller PCB Assy	9706046015 (K02DE-0400HSE-C1)	9706046022 (K02DE-0401HSE-C1)
240	Remote Control Unit	9312058020	9312058020
281	Clamp Metal (Pipe)	9306063009	9306063009
283	Bushing-A	9303529010	9303529010
323	Louver-B	9306056025	9306056025
385	PCB (Power and Indicator)	9706039017	9706039017
401	Wall Hook Bracket	9304358008	9304358008
440	Flow Control Panel-U	9306057015	9306057015
466	Clamp NK-4N	313714328805	313714328805
522-1	Gear-A	9306062002	9306062002
523	Gear Bracket	9306407001	9306407001
652-1	Thermistor Holder Pipe	313714262805	313714262805
668	Screw w/Washer	313681304205	313681304205
759	Intake Grill -A	9330001015	9330001015
764	Drain Cap Assy	9304150008	9304150008
767-1	Bottom Cover -A	9330004016	9330004016
777	Clamper (Grille)	9306755010	9306755010
815	Terminal	9900040048	9900040048
850	Window (Receiver	9330003019	9330003019
872	Indicator Case	9330009011	9330009011
873	Lamp Cover	9330014015	9330014015
874	Control Box Cover	9330008014	9330008014
876	Step Motor	9900139018	9900139018
877	Face Panel (Front)-A	9330005044	9330005044

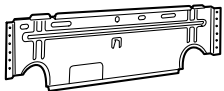
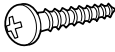
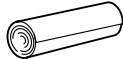
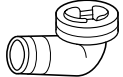
When you order parts, please make a photocopy of this page and fill the number of the parts in the "Order" column.

OUTDOOR UNIT

Ref. No.	Description	Part No.	
		AOY9USCC	AOY9UFCC
4	Emblem-Rear	9308468017	9308468017
5	Cabinet Front Panel, Plastic	9306016012	9306016012
7	Connector Cover	9306018016	9306018016
9	Cabinet Rear Panel, Plastic	9306017019	9306017019
12	Base Assy, Painted	9304806042	9304806042
13	3-Way Valve	9312863013	9312863013
14	2-Way Valve	9312862016	9312862016
16	Condenser Assy	9309104020	9309104020
32	Control Box Metal	9306475024	9306475024
34	Capacitor (Fan Motor)	9900089023	9900089023
37	Capacitor (Running)	9307588068	9307588013
38	Clamp Metal (Capacitor)	313468061808	313468061808
39	Propeller Fan	9306565015	9306565015
41	Fan Motor Assy-Out	9307095016	9307095016
42	Bracket (Motor)	9306021016	9306021016
46	Compressor Assy	9311012016	9314429019
48	Fan Ring	9306019020	9306019020
62	Wire Assy (Shield)-A	9305791026	9305695027
138	Separate Wall Metal	9306474003	9306474003
195	Clamp SKB-100	313361275805	313361275805
196-2	Clamp SKB-3MC	9305335008	9305335008
230	Overload Relay	9311143000	-----
343	Solenoid Coil	9970003011	9970003011
344	4-Way Valve	9900162016	9900162016
365	Bracket (Valve)	9306020026	9306020026
412	Terminal Gasket (For Comp.)	9351505011	9314432002
674	Screw, SUS410T +5014	9305848010	9305848010
688	Screw w/Washer	313681304205	313681304205
765	Drain Pipe (L-type)	9301102000	9301102000
766	Drain Pipe Packing	9301143003	9301143003
781	Rubber Cushion	9312680016	9312680016
815	Terminal-4P	9306488017	9306488017
935	Reinforcement Plate	9306473006	9306473006
942	Control Box Cover Metal	9306476007	9306476007
942-2	Control Box Cover-B Metal	9305975006	9305975006
982	Cord Clamp, Plastic	9302271002	9302271002
985	Special Nut w/Washer	9304902003	9304902003
986	Special Washer	9304903000	9304903000
999	Capillary Assy	9312868001	9312868001
A	Screw (with Inner Washer)	9357297002	9357297002
----	BR Sheet 180x180x T2	9305039067	9305039067

Ref. No.	Description	Part No.	
		AOY12USCC	
4	Emblem-Rear	9308468017	
5	Cabinet Front Panel, Plastic	9306386016	
7	Connector Cover	9306119010	
9	Cabinet Rear Panel, Plastic	9306385019	
12	Base Assy, Painted	9306118020	
13	3-Way Valve	9312865017	
14	2-Way Valve	9312864010	
16	Condenser Assy	9308459039	
32	Control Box Metal	9308561022	
34	Capacitor (Fan Motor)	9900089030	
37	Capacitor (Running)	9307588013	
38	Clamp Metal (Capacitor)	313468061808	
39	Propeller Fan	9305538003	
41	Fan Motor Assy-Out	9307715020	
42	Bracket (Motor)	9305536016	
46	Compressor Assy	9311133018	
51	Special Nut M5	9307091001	
55	Special Nut M6	313252257701	
98	Fan Ring	9305581023	
109	Terminal Cover	9307090004	
138	Separate Wall Metal	9305971008	
187	Clamp No.1219	313361271706	
195	Clamp SKB-100	313361275805	
196	Clamp SKB-150	313035356905	
196-2	Clamp SKB-3MC	9305335008	
230	Overload Relay	9312899005	
343	Solenoid Coil	9970003011	
344	4-Way Valve	9900162016	
365	Bracket (Valve)	9306748012	
412	Terminal Gasket (For Comp.)	9351121006	
674	Screw, SUS410T +5014	9305848010	
688	Screw w/Washer	313681304205	
765	Drain Pipe (L-type)	9301102000	
766	Drain Pipe Packing	9301143003	
815	Terminal-4P	9306488017	
916	Noise Insulation -A	9306362003	
935-1	Reinforcement(Cabinet TOP)	9305973002	
935-2	Reinforcement -F (Cabinet Top)	9306123000	
942-1	Control Box Cover-A Metal	9308562012	
942-2	Control Box Cover-B Metal	9305975006	
946	Inlet Pipe	9306401009	
982	Cord Clamp, Plastic	9302271002	
999	Capillary Assy	9312873005	
A	Screw (with Inner Washer)	9357297002	
B	Screw (with Spring Washer)	0700179013	
----	BR Sheet 60x100x T5	9305039012	
----	BR Sheet 40x80x T5	9305039043	
----	BR Sheet 180x180x T2	9305039067	

STANDARD ACCESSORIES

Name and Shape	Part No.
Wall hook bracket 	9304358008
Remote control unit 	9312058020
Battery (penlight) 	0600185534
Tapping screw (Ø 4 x 25) 	0700076046
Cloth tape 	9308117007
Drain pipe (Including drain packing) 	9303029015

