



SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE

SERVICE MANUAL

Indoor unit	Outdoor unit
ASG18ABC-W	AOG18AZE
ASG24ABC-W	AOG24ABE
ASG24ABC-W	AOG24AKA

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SPECIFICATIONS

ELECTRICAL DATA

TYPE	COOL	COOL	COOL
INDOOR UNIT	ASG18ABC-W	ASG24ABC-W	ASG24ABC-W
OUTDOOR UNIT	AOG18AZE	AOG24ABE	AOG24AKA
COOLING CAPACITY	5.30 - 5.40 kW	6.80 - 6.90 kW	6.80 - 6.90 kW
POWER SOURCE	220 V - 240 V	220 V - 240 V	220 V - 240 V
FREQUENCY	50 Hz	50 Hz	50 Hz
RUNNING CURRENT	9.8 A - 9.4 A	12.0 A - 12.3 A	12.8 A - 13.4 A
INPUT WATTS	2.12 - 2.18 kW	2.53 - 2.62 kW	2.62 - 2.72 kW
E.E.R.	2.50 - 2.48 kW/kW	2.69 - 2.63 kW/kW	2.60 - 2.54 kW/kW
MOISTURE REMOVAL	2.0 L/hr	2.5 L/hr	
AIR CIRCULATION HIGH	750 - 840 m3/hr	880 - 950 m3/hr	

FAN MOTOR

POWER SOURCE		220 V - 240 V	
INDOOR UNIT	Discrimination	MFA-30HTT	
	High speed	1,080 r.p.m.	1,190 r.p.m.
	Meddle speed	940 r.p.m.	1,030 r.p.m.
	Low speed	810 r.p.m.	900 r.p.m.
OUTDOOR UNIT	Discrimination	MFB-247FBT	
	Speed	735 r.p.m.	

DIMENSIONS

INDOOR UNIT	H x W x D	320 x 1,120 x 220 mm
OUTDOOR UNIT	H x W x D	643 x 840 x 336 mm

WEIGHT

INDOOR UNIT	Gross / Net	22 kg / 16 kg	
OUTDOOR UNIT	Gross / Net	74 kg / 66 kg	75 kg / 67 kg

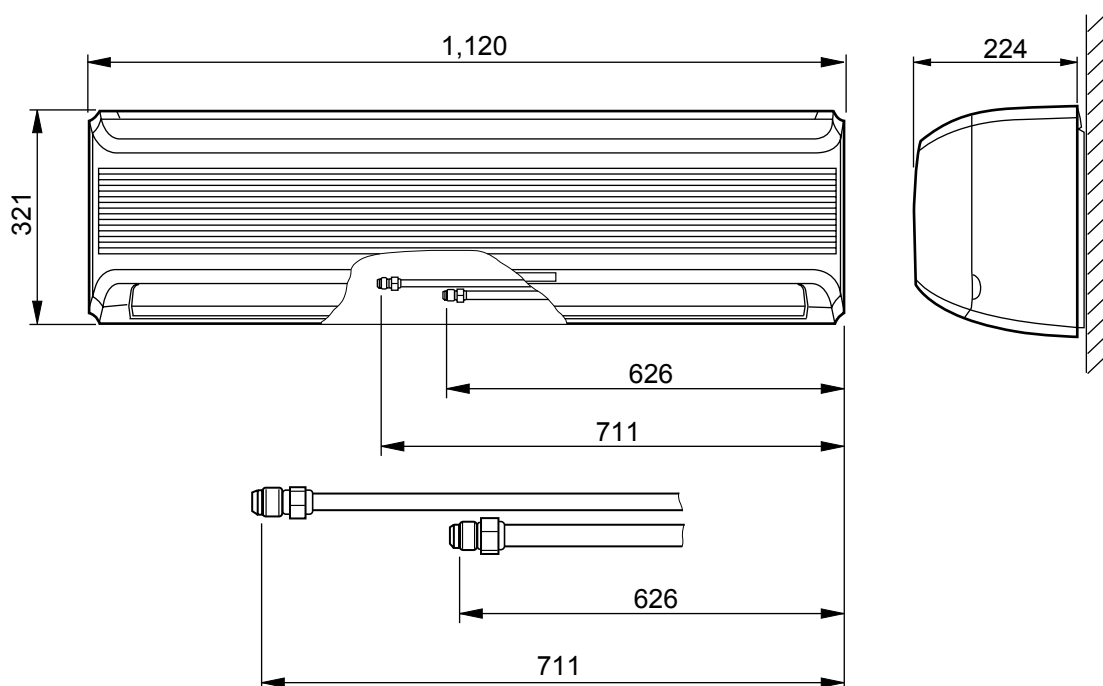
REFRIGERANT CHARGE

TYPE		Hermetic type, Deposit electrode condenser, 2 poles, Single phase, Induction motor, Recipro		
DISCRIMINATION		AW5524EK-SF	H23B30QABKA	AW5532EK-SF
STANDARD REFRIGERANT		1,300 g	1,950 g	2,000 g
REFRIGERANT TYPE		R-22	R-22	R-22
FULL CHARGE	Pipe length 7.5 m (25 ft)	1,300 g (45.9 oz)	1,950 g (68.8 oz)	2,000 g (70.5 oz)
	10 m (33 ft)	1,350 g (47.6 oz)	2,000 g (70.5 oz)	2,050 g (72.3 oz)
	15 m (49 ft)	1,450 g (51.1 oz)	2,100 g (74.1 oz)	2,150 g (75.8 oz)
	20 m (66 ft)	1,550 g (54.7 oz)	2,200 g (77.6 oz)	2,250 g (79.4 oz)
ADDITIONAL CHARGE		20 g/m (0.215 oz/ft)	20 g/m (0.215 oz/ft)	20 g/m (0.215 oz/ft)

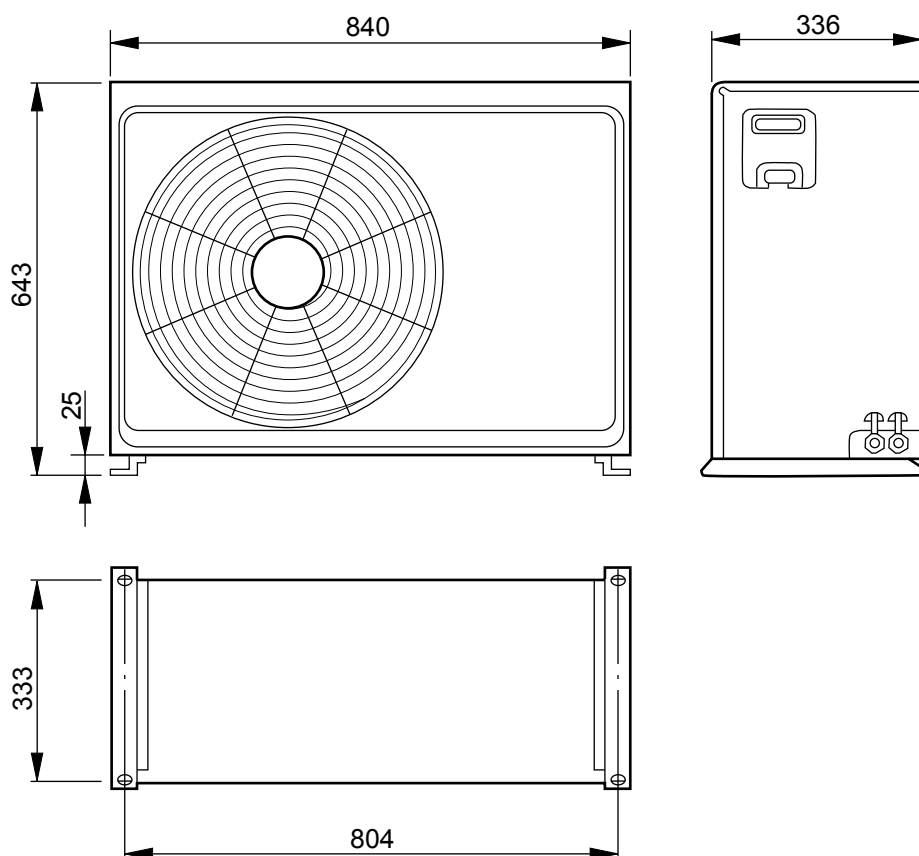
OUTLINE AND DIMENSIONS

Unit : mm

INDOOR UNIT



OUTDOOR UNIT

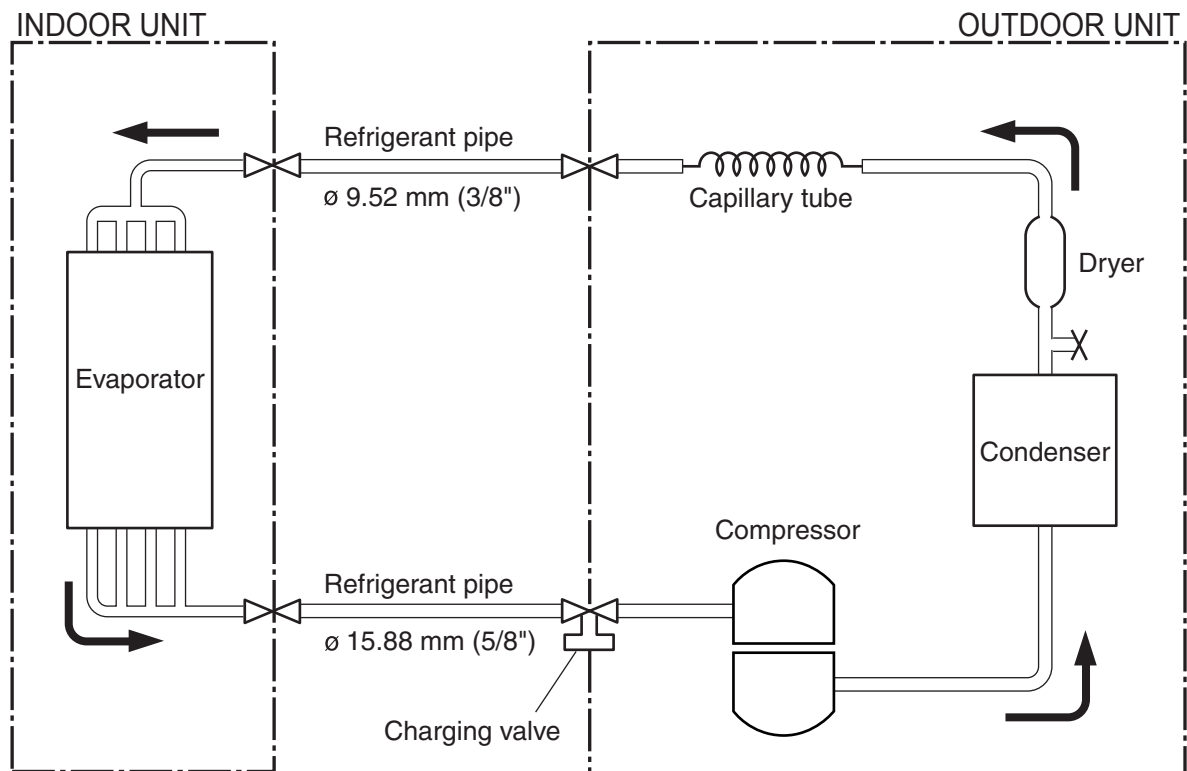


REFRIGERANT SYSTEM DIAGRAM

→ Refrigerant direction

⋈ : Flare coupling

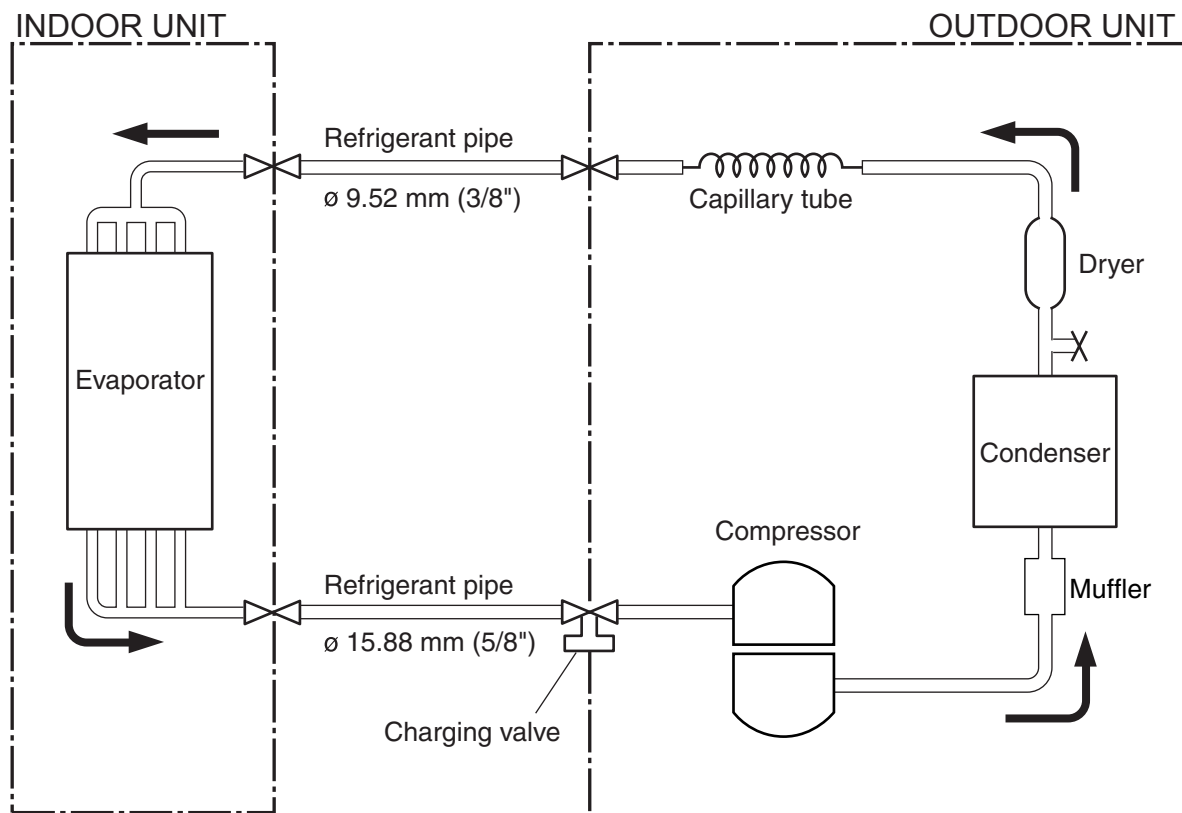
Models : ASG18ABC-W / AOG18AZE



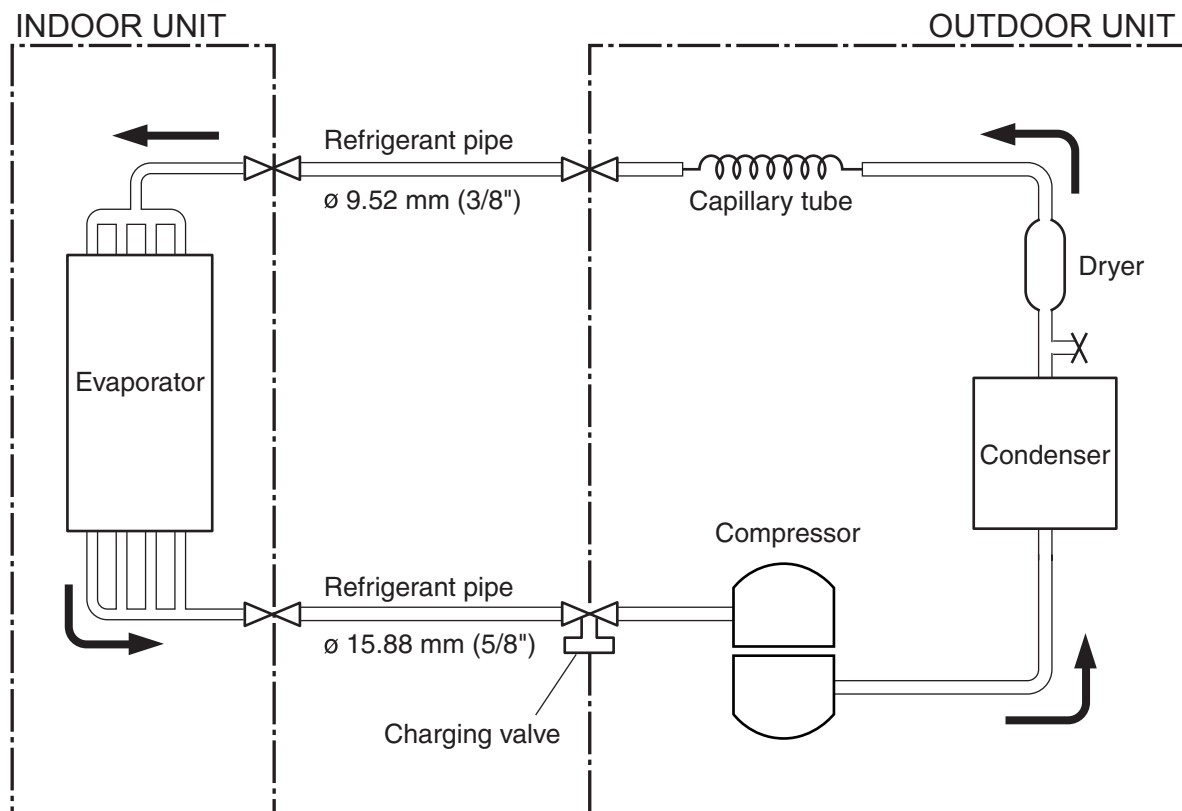
→ Refrigerant direction

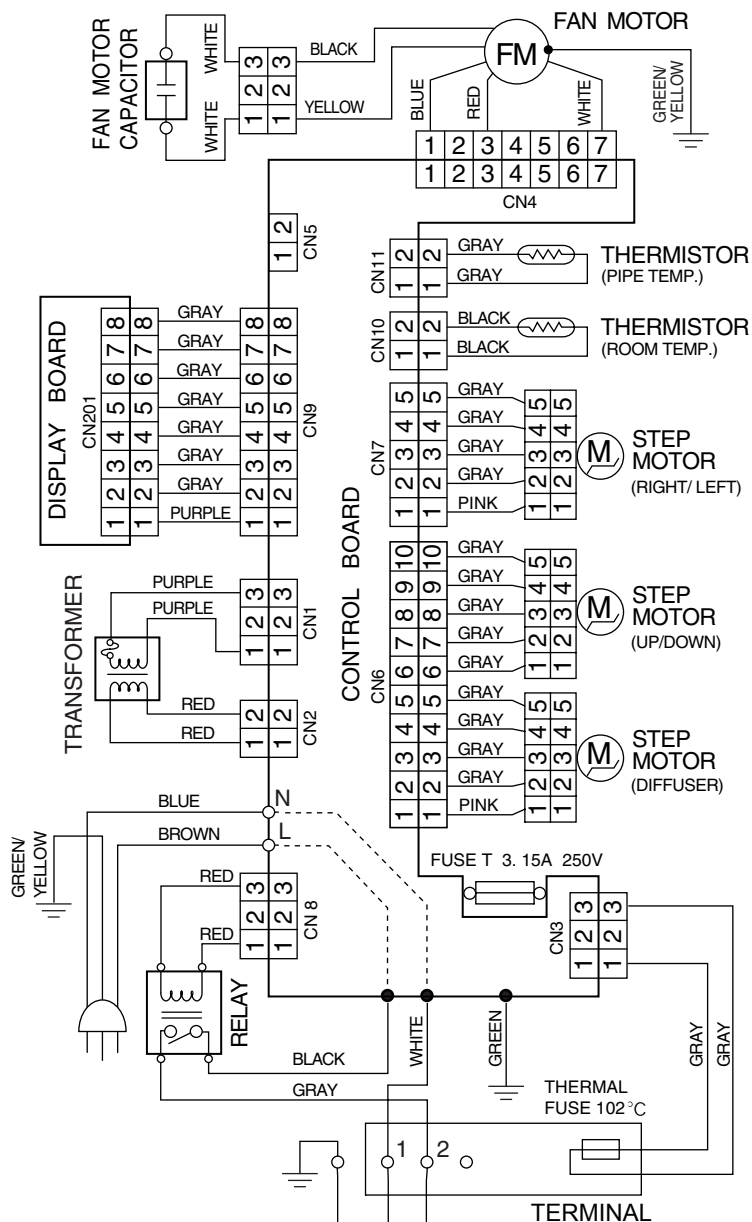
⊗ : Flare coupling

Models : ASG24ABC-W / AOG24ABE



Models : ASG24ABC-W / AOG24AKA

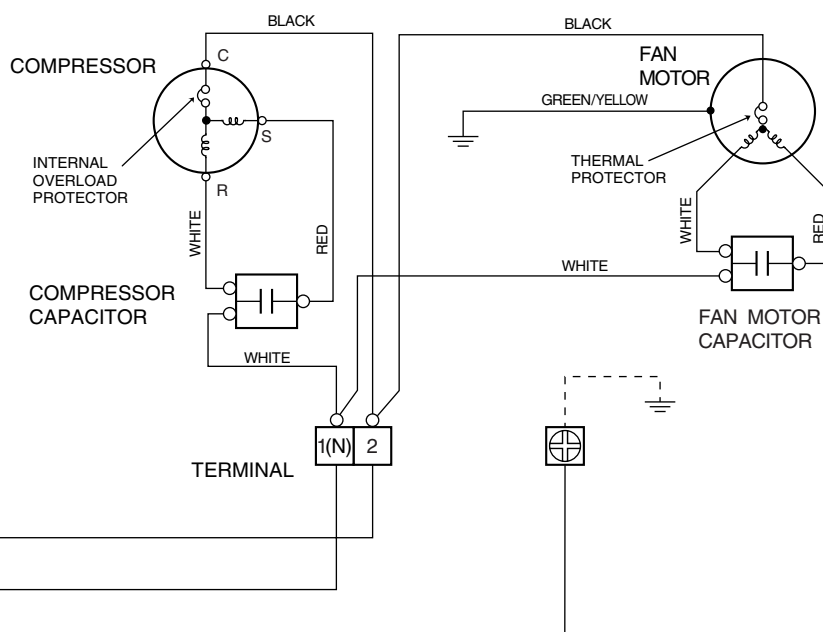




CIRCUIT DIAGRAM

INDOOR UNIT

OUTDOOR UNIT



CONTROLLER PCB ASSEMBLY
ASY18ABC-W : EZ-001YWSE-C
ASY24ABC-W : EZ-001RWSE-C



ERROR CONTENTS

● Error

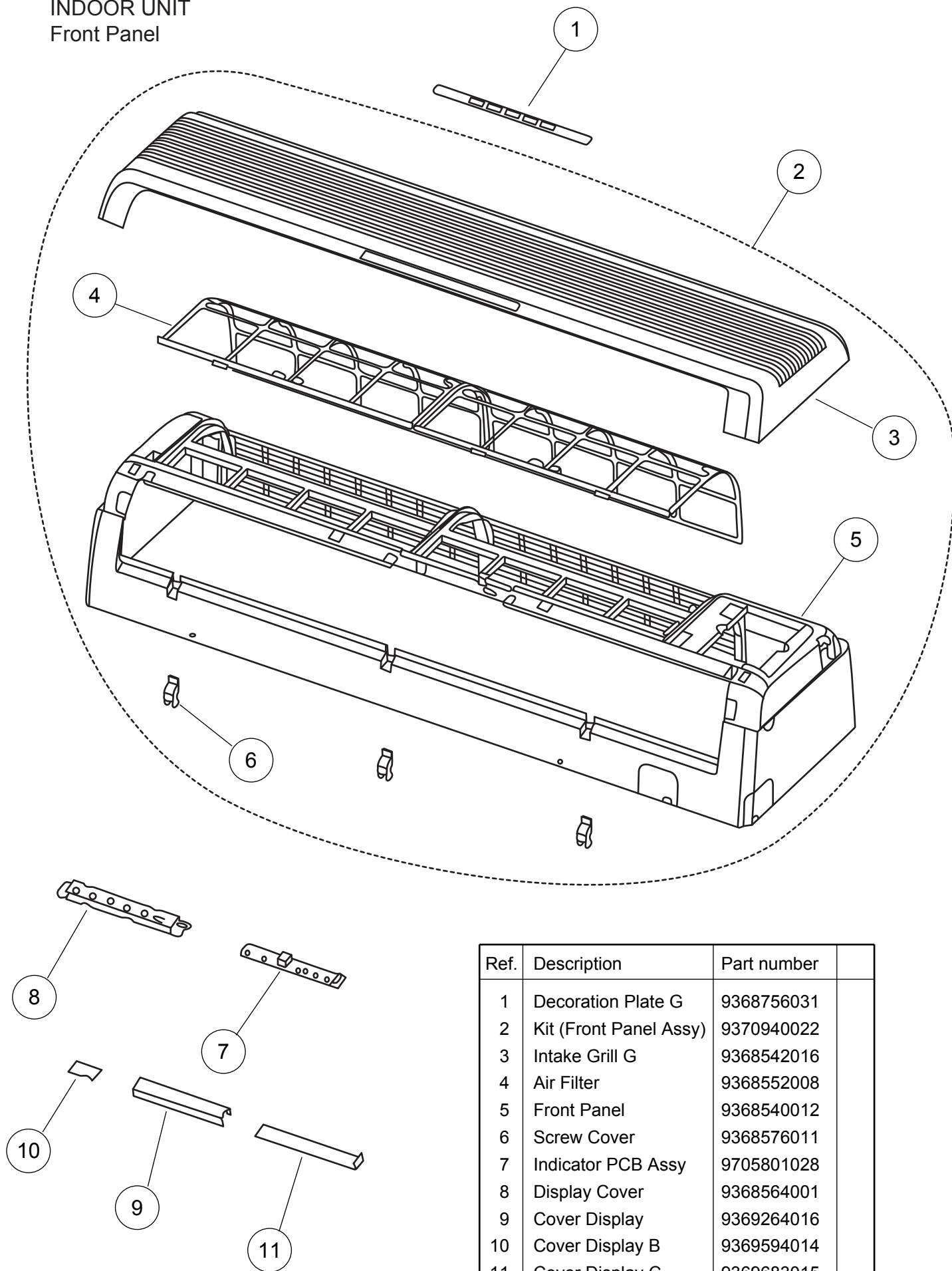
The OPERATION, TIMER and SWING lamps operate as follows according to the error contents.

○ : Fast flashing ● : Slow flashing – : Off

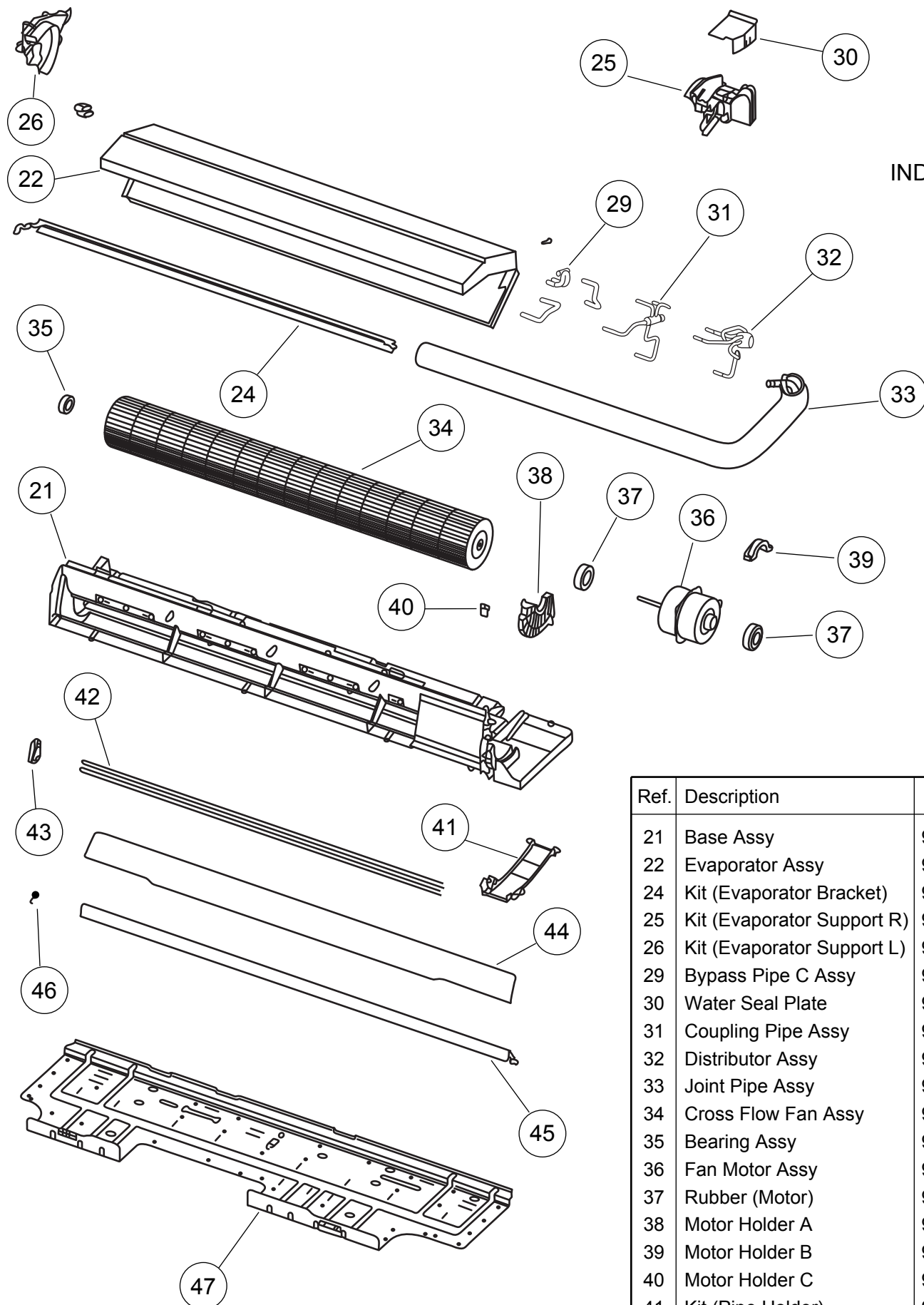
Error contents	Error display		
	OPERATION (RED)	TIMER (GREEN)	SWING (ORANGE)
Indoor unit circuit board error	○	○	–
Indoor unit room temperature sensor wire opened	2 times ●	○	–
Indoor unit room temperature sensor wire short circuited	2 times ●	○	○
Indoor unit piping sensor wire opened	3 times ●	○	–
Indoor unit piping sensor wire short circuited	3 times ●	○	○
Indoor unit fan error	6 times ●	○	–

PARTS

INDOOR UNIT Front Panel



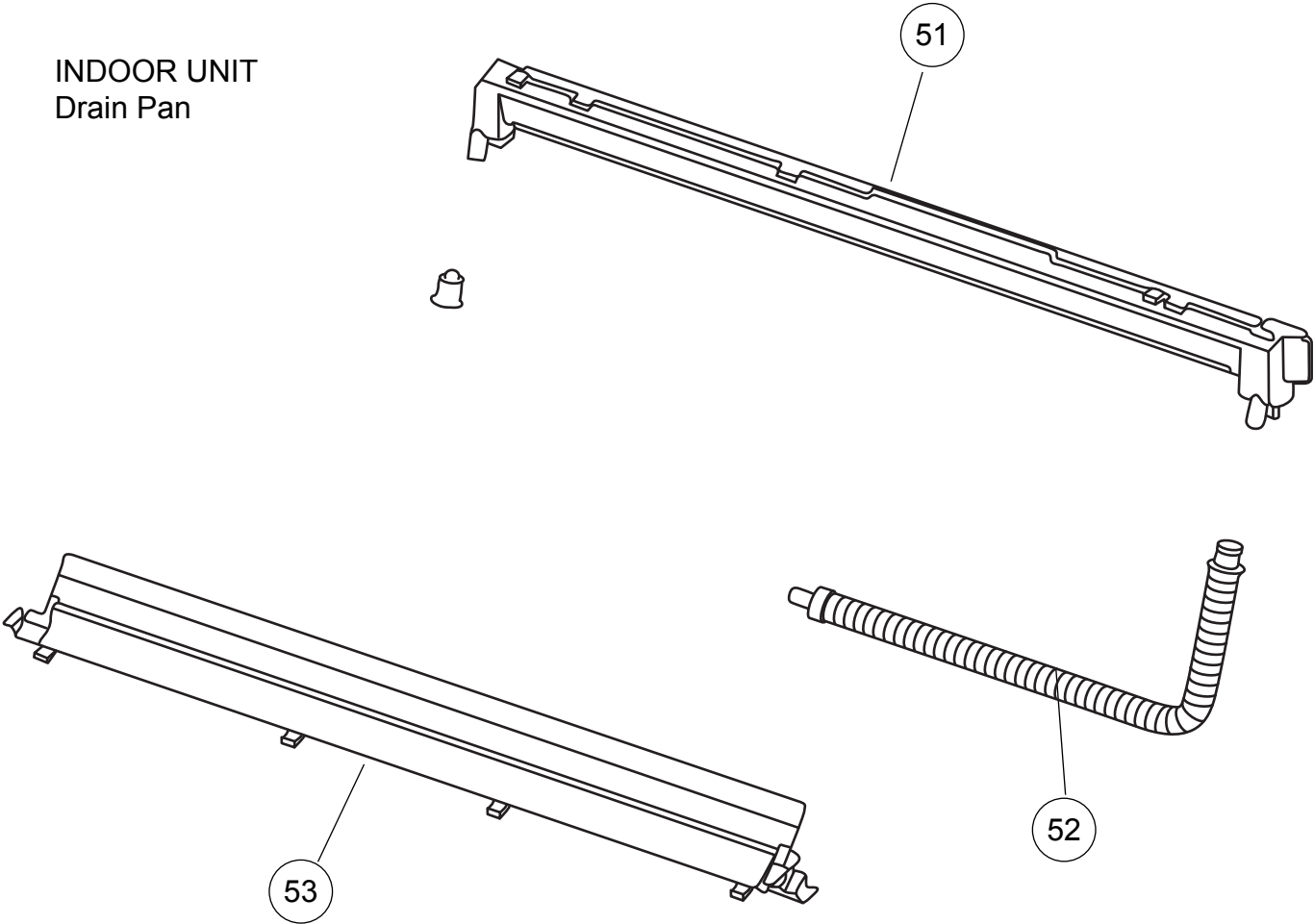
Ref.	Description	Part number	
1	Decoration Plate G	9368756031	
2	Kit (Front Panel Assy)	9370940022	
3	Intake Grill G	9368542016	
4	Air Filter	9368552008	
5	Front Panel	9368540012	
6	Screw Cover	9368576011	
7	Indicator PCB Assy	9705801028	
8	Display Cover	9368564001	
9	Cover Display	9369264016	
10	Cover Display B	9369594014	
11	Cover Display C	9369683015	



INDOOR UNIT

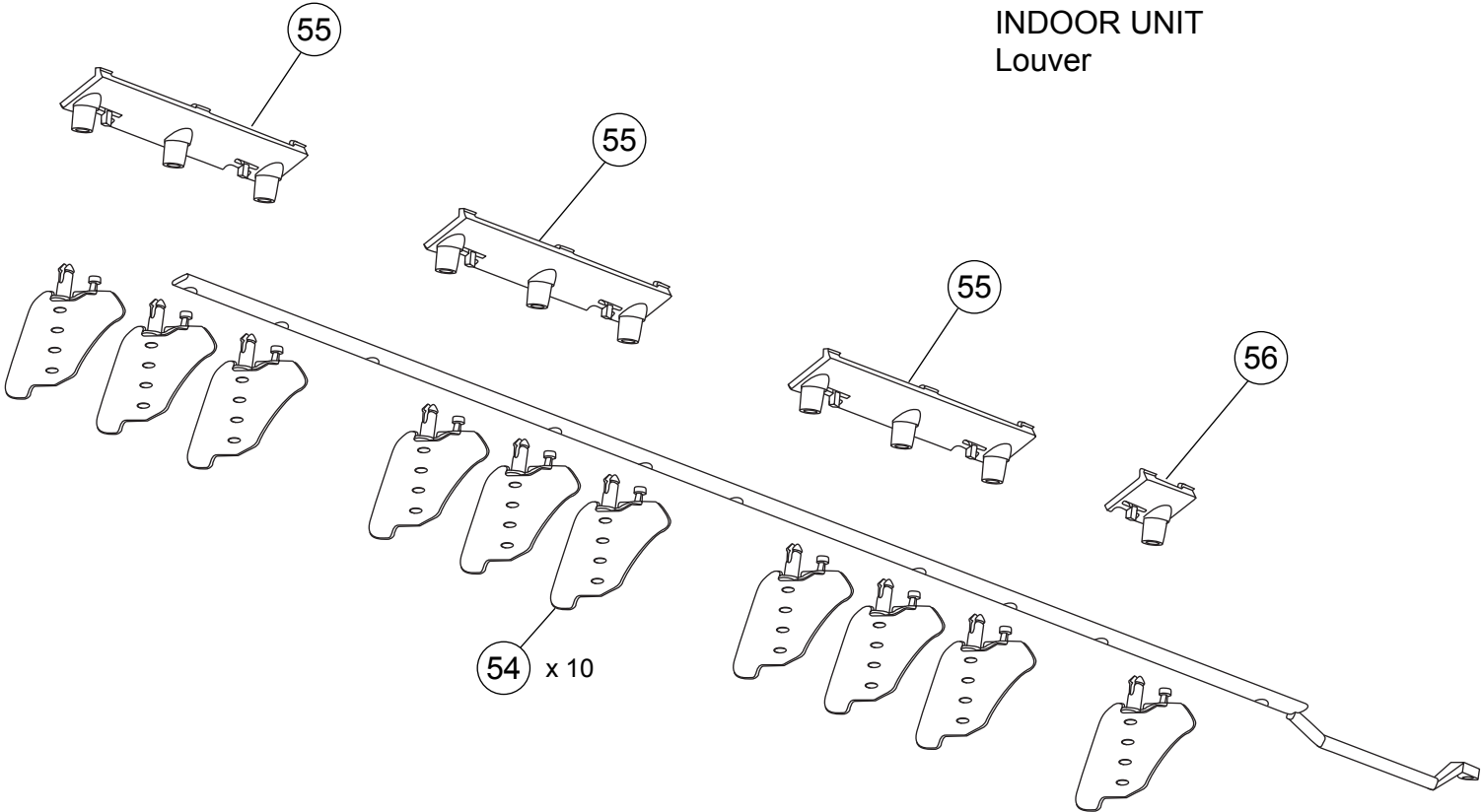
Ref.	Description	Part number
21	Base Assy	9369209017
22	Evaporator Assy	9369220005
24	Kit (Evaporator Bracket)	9371166018
25	Kit (Evaporator Support R)	9371167015
26	Kit (Evaporator Support L)	9371165011
29	Bypass Pipe C Assy	9369479007
30	Water Seal Plate	9369684005
31	Coupling Pipe Assy	9369241000
32	Distributor Assy	9371178004
33	Joint Pipe Assy	9369242007
34	Cross Flow Fan Assy	9368586003
35	Bearing Assy	9368574000
36	Fan Motor Assy	9601388012
37	Rubber (Motor)	9368575007
38	Motor Holder A	9368550004
39	Motor Holder B	9368551001
40	Motor Holder C	9368769000
41	Kit (Pipe Holder)	9371168012
42	Fan Guard	9368588007
43	Kit (Fan Guard Holder)	9371164014
44	Kit (Flap)	9371169019
45	Diffuser Assy	9369346019
46	Diffuser Spring	9368587000
47	Wall Hook Bracket	9368579005

INDOOR UNIT
Drain Pan



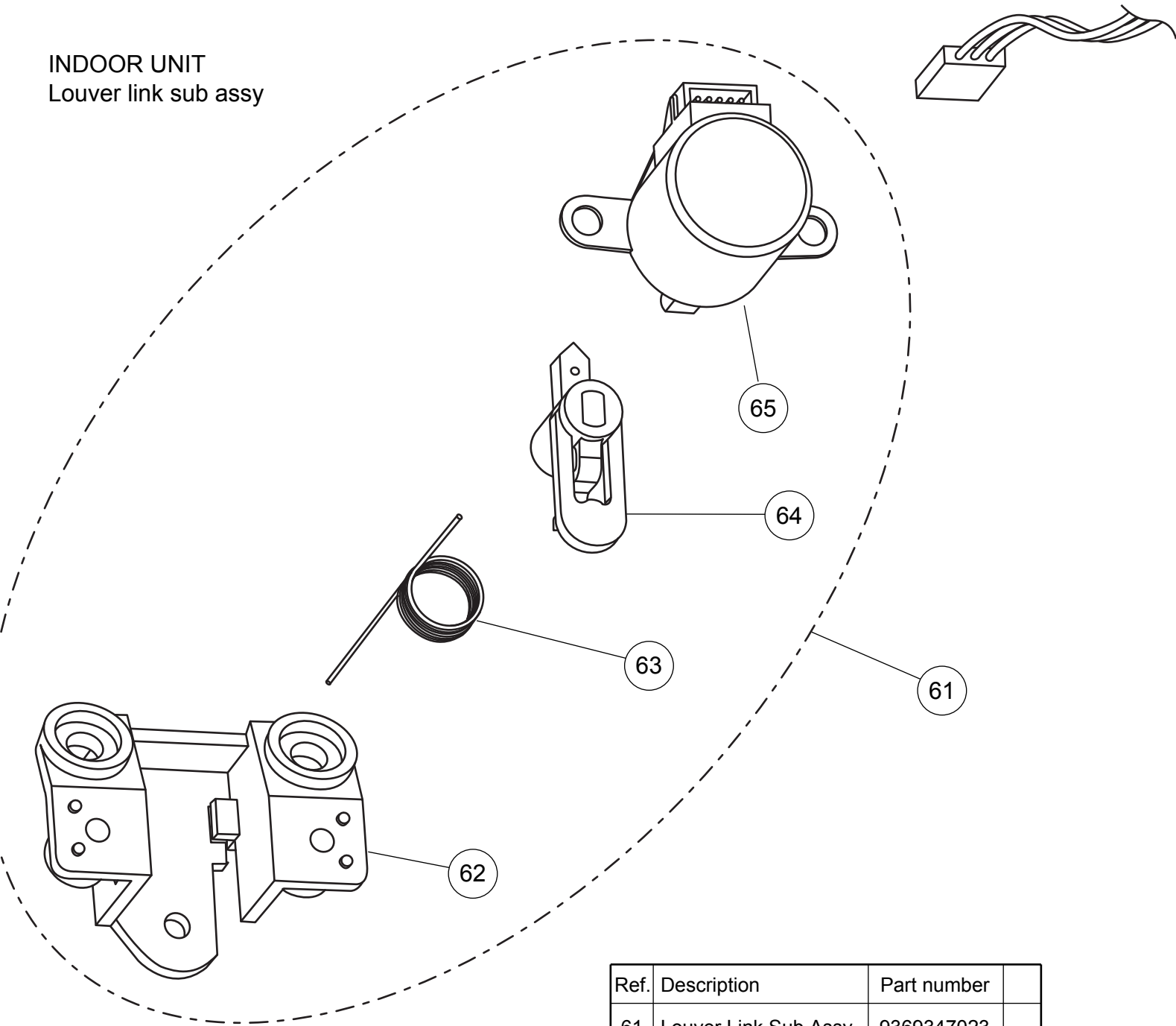
Ref.	Description	Part number	
51	Kit (Front Drain Pan)	9370932034	
52	Drain Hose	9367695003	
53	Rear Drain Pan Sub Assy	9369201028	

INDOOR UNIT
Louver



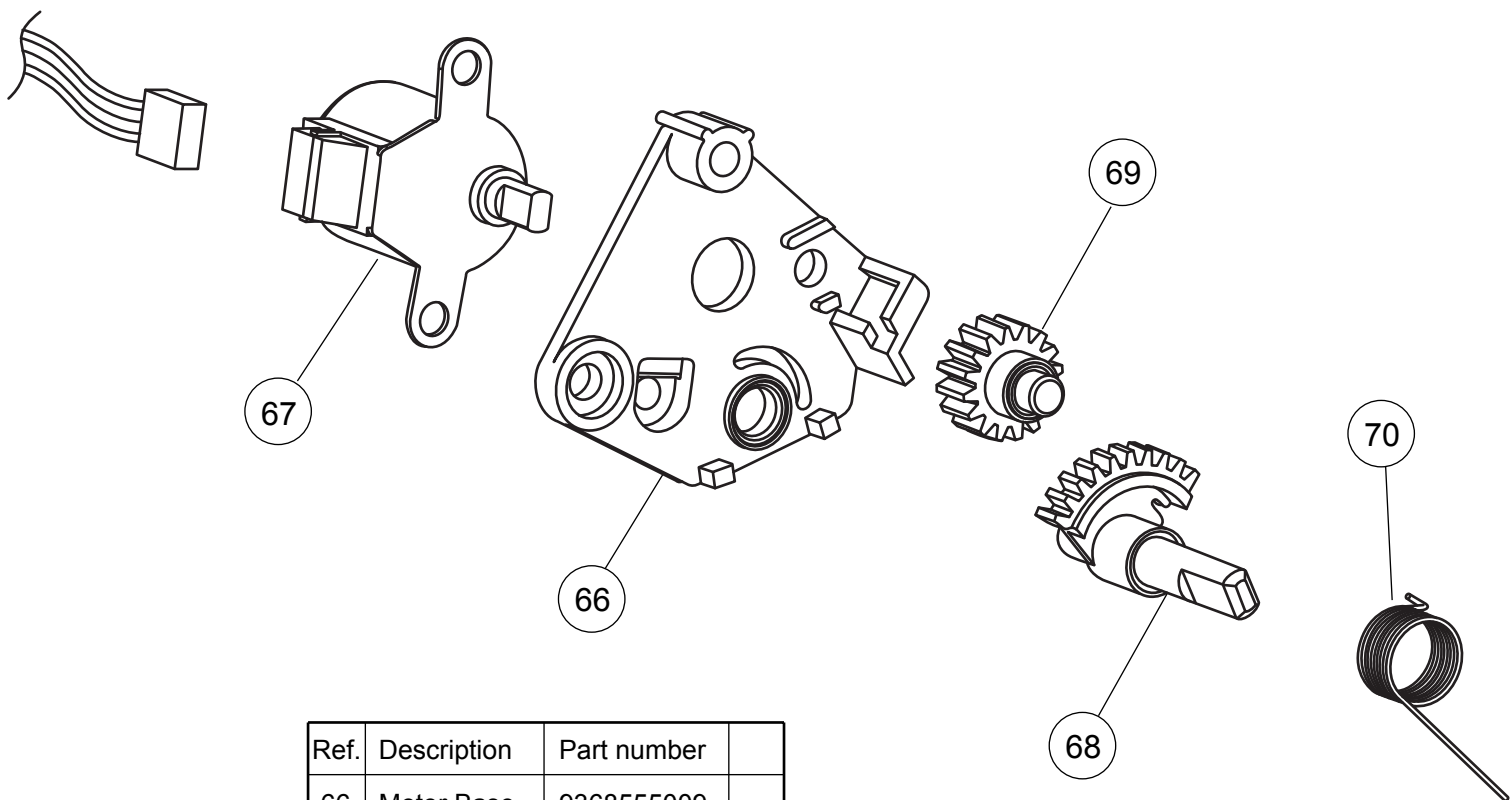
Ref.	Description	Part number	
54	Louver	9368560010	
55	Louver Base A	9368558017	
56	Louver Base B	9368559014	

INDOOR UNIT
Louver link sub assy



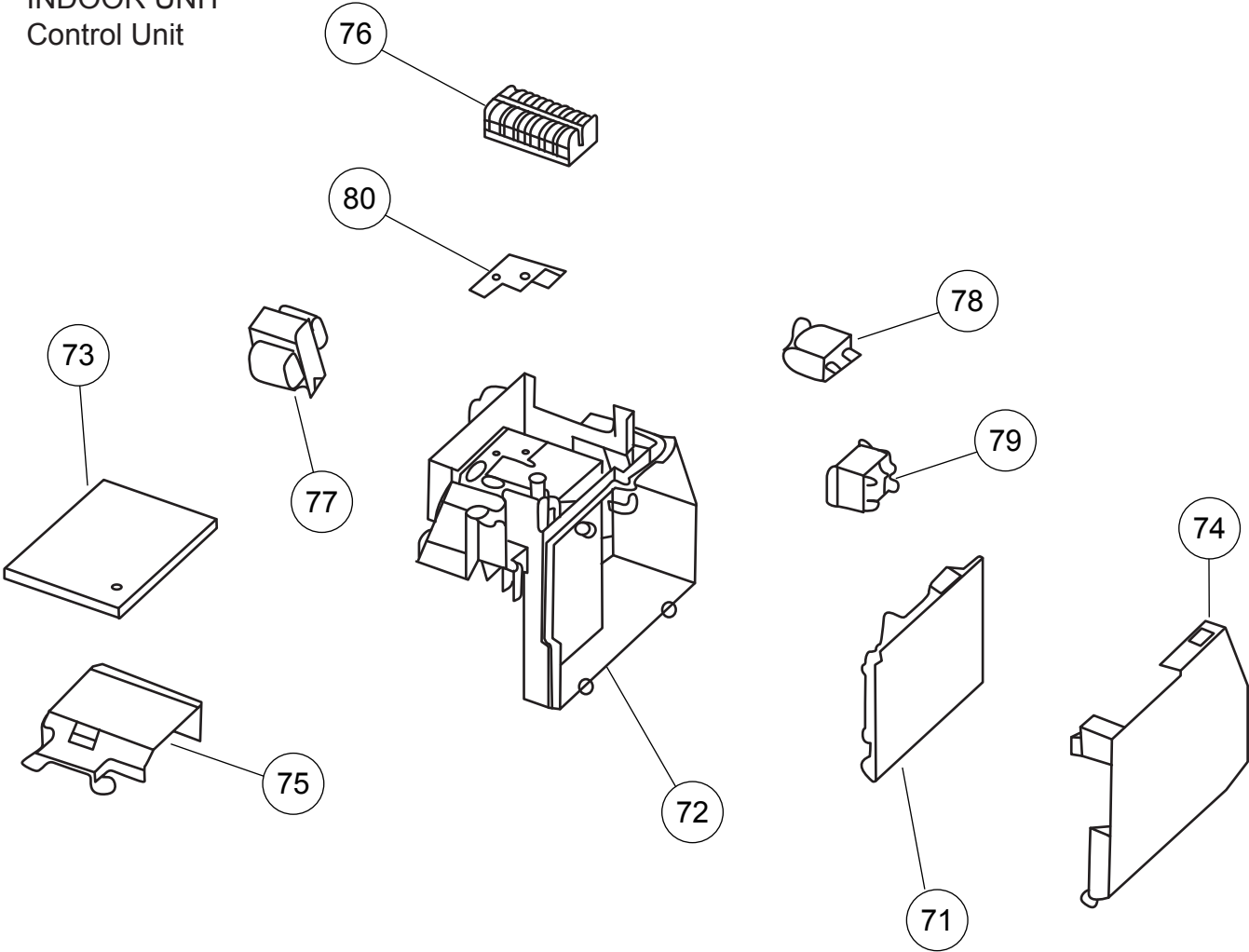
Ref.	Description	Part number	
61	Louver Link Sub Assy	9369347023	
62	Link Holder	9368563004	
63	Louver Spring	9368613006	
64	Louver Link	9368562007	
65	Step Motor	9900139049	

INDOOR UNIT
Motor base sub assy

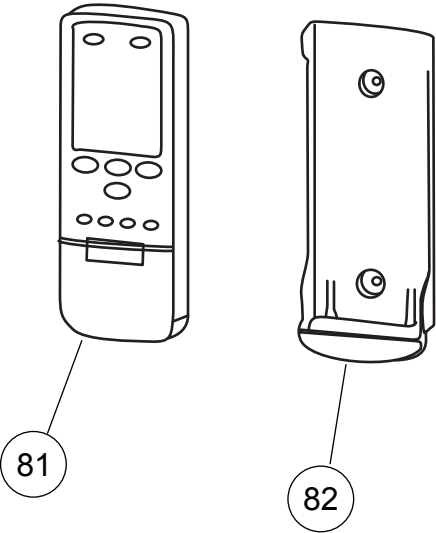


Ref.	Description	Part number	
66	Motor Base	9368555009	
67	Step Motor	9900139032	
68	Sector Gear	9368556006	
69	Pinion Gear	9368557003	
70	Flap Spring	9368612009	

INDOOR UNIT
Control Unit



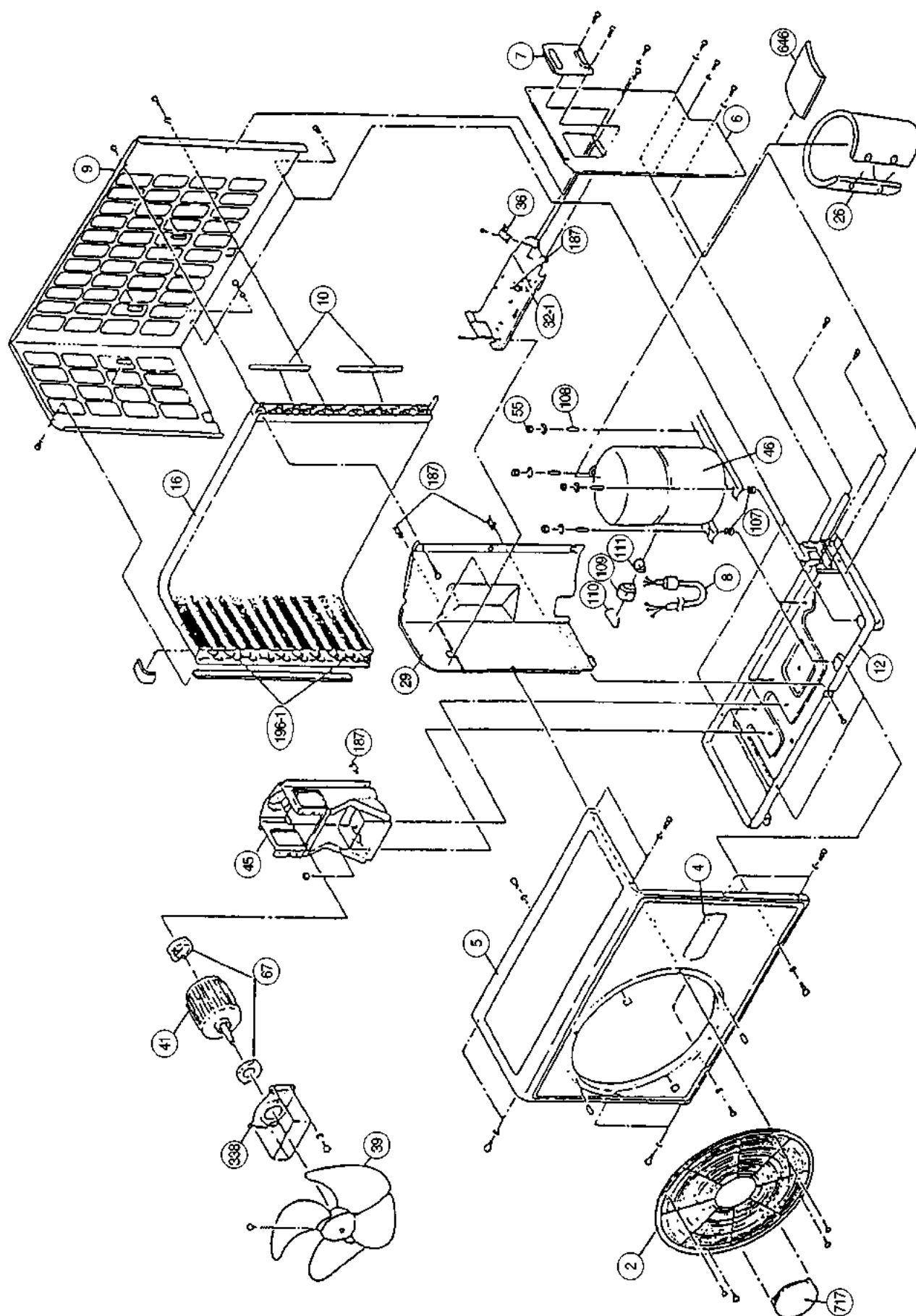
Remote Control



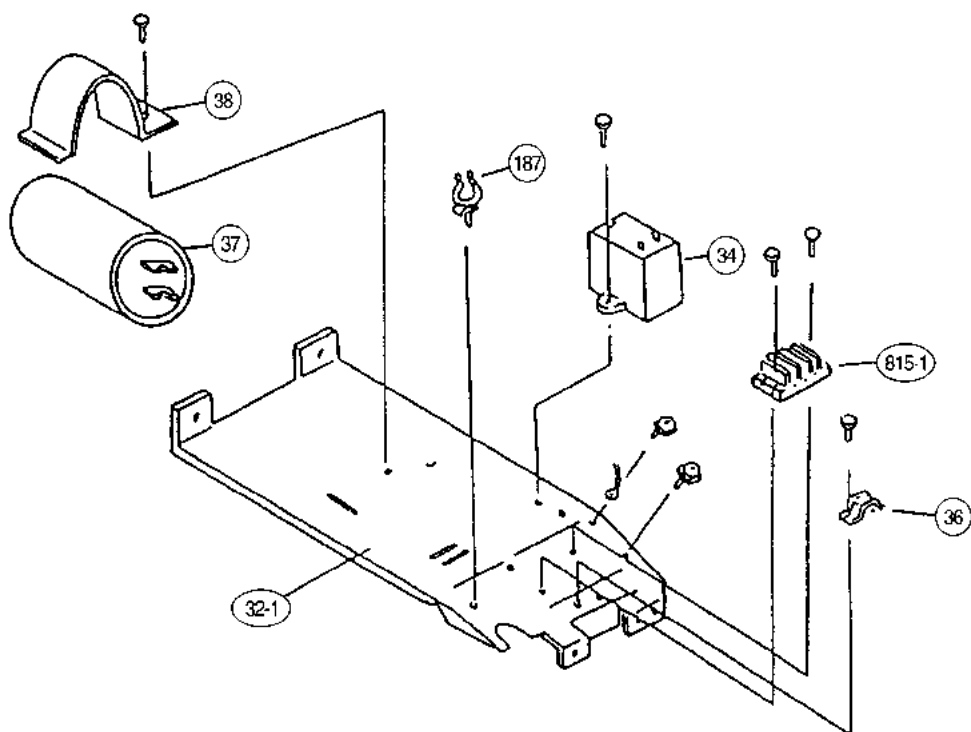
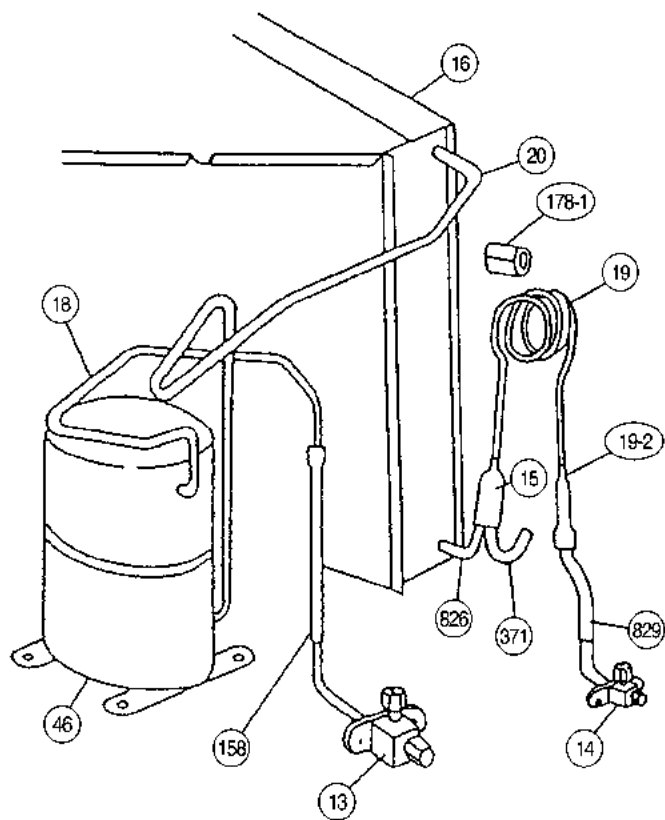
Ref.	Description	Part number	
71	Controller PCB Assy (18)	9707212198	
71	Controller PCB Assy (24)	9707212044	
72	Control Box	9368543006	
73	Control Box Cover	9368611002	
74	Control Box Cover-R	9368570002	
75	Cord Holder	9368566005	
76	Terminal	9306489106	
77	Power Transformer	9900069018	
78	Capacitor (Fan Motor)	9704305060	
79	Relay	9900262013	
80	Earth Plate	9368580001	
81	Remote Control	9371190020	
82	Remote Control Holder	9305642014	
--	Room Thermistor	9900368012	
--	Pipe Thermistor	9900367015	
--	Power Cord	9900217044	

PARTS

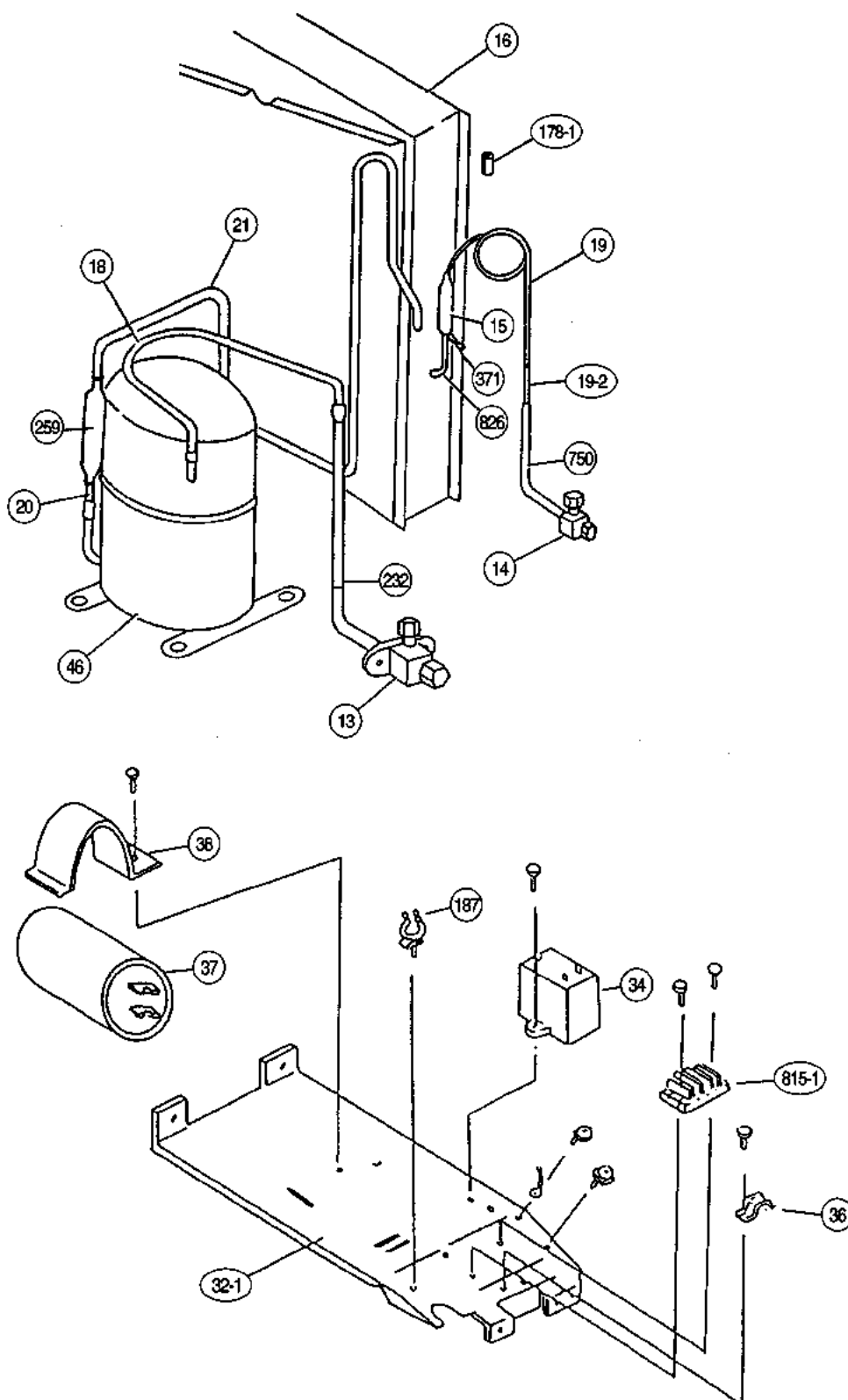
OUTDOOR UNIT



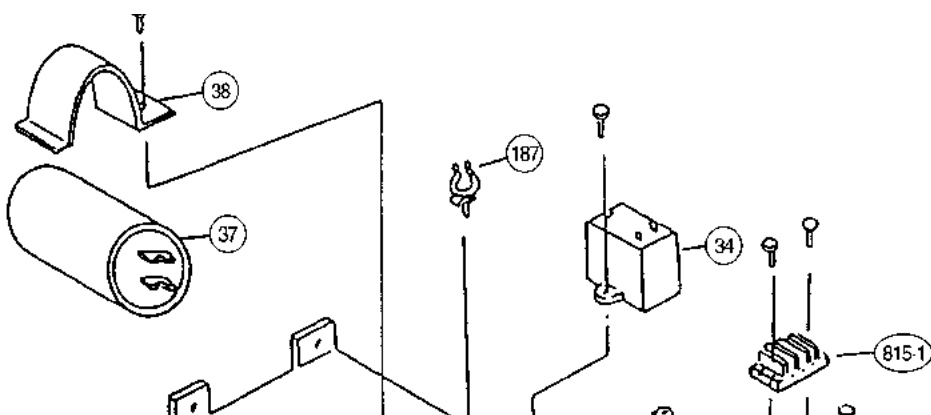
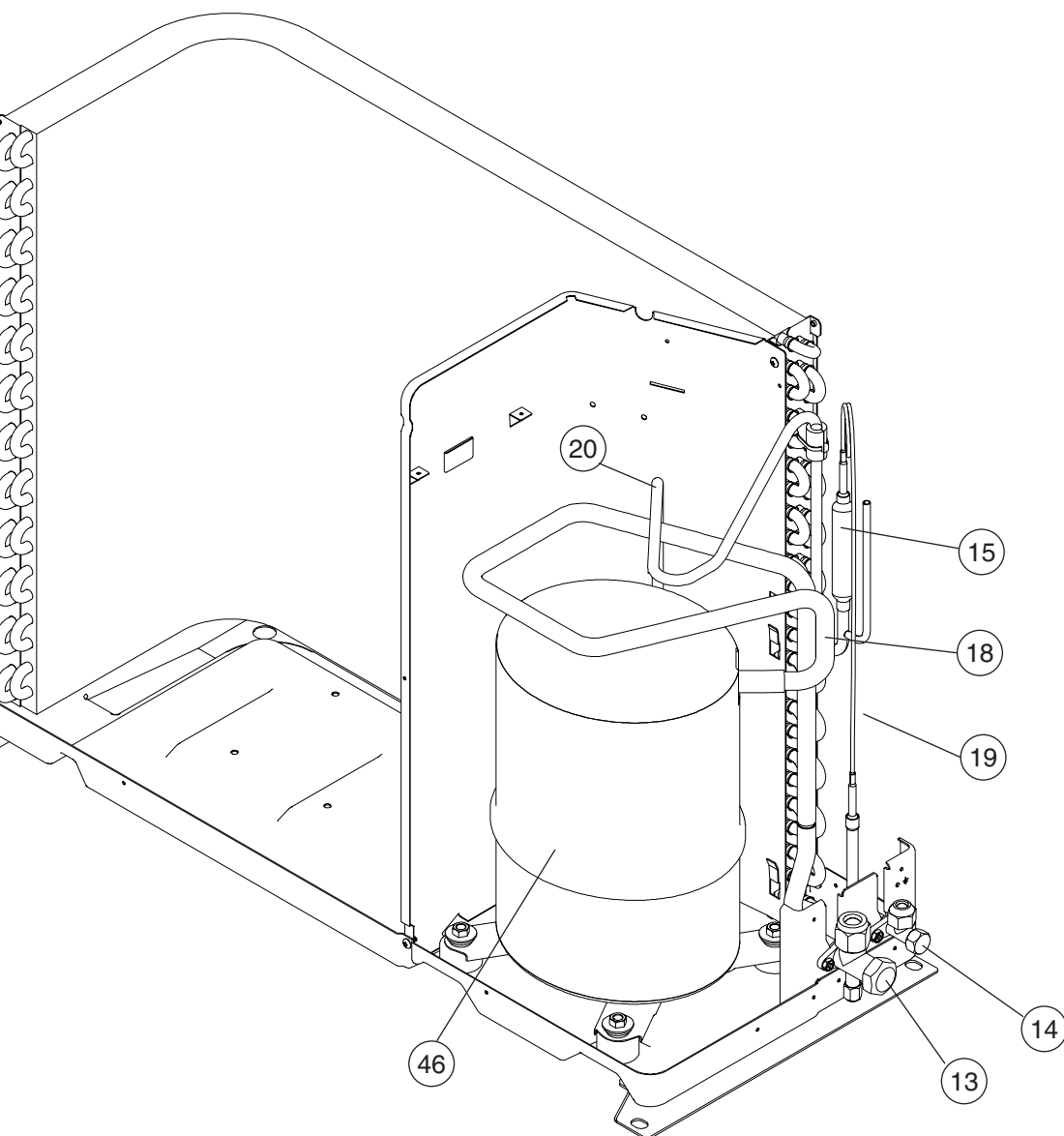
OUTDOOR UNIT AOG18AZE



OUTDOOR UNIT
AOG24ABE



DOOR UNIT
AKA

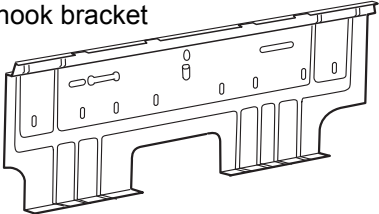
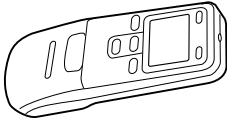
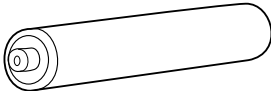
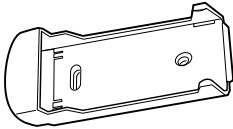
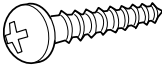
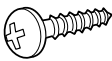


OUTDOOR UNIT

Ref.	Description	Part number			
		AOG18AZE	AOG24ABE	AOG24AKA	
2	Fan Cover	9350214020	9350214020	9350214020	
4	Emblem-Rear "GENERAL"	313791088308	313791088308	313791088308	
5	Cabinet-A	9303876015	9303876015	9303876015	
6	Cabinet-C	9353549013	9353549013	9353549013	
7	Connector Cover	9358011010	9358011010	9358011010	
8	Wire Assy (Shield)-D	9350215010	9350215041	9350215027	
9	Cabinet-B	9303874011	9303874011	9303874011	
10	Nise Insulation-E	313791106305	313791106305	313791106305	
12	Base Assy, Painted	9353452016	9353452061	9353452061	
13	3-Way Valve	9364523002	9357963013	9364523002	
14	2-Way Valve Assy	9365021002	9357964010	9365021002	
15	Dryer	313791082502	313791082502	9368111014	
16	Condenser Assy	9353455055	9356015010	9356015010	
18	Suction Pipe	9360518002	9360412003	9371274089	
19	Capillary Tube	9359017004	9355977005	9370332001	
19-2	Joint Pipe	9354268005	9354268005	9362523004	
20	Discharge Pipe	9360522009	9357470009	9371273044	
21	Discharge Pipe-B	-----	9360411006	-----	
26	Compressor Cover-A	9354036000	9360639004	9354036000	
29	Separate Wall	313986033213	313986033213	313986033213	
32-1	Control Box Metal-A	9365672013	9365672013	9365672013	
34	Capacitor (Fan Motor)	9357965017	9357965017	9357965017	
36	Cord Holder Metal	9356824001	9356824001	9356824001	
37	Running Capacitor	9704436023	9704436023	9704436023	
38	Capacitor Clamp Metal	9351770013	9351770013	9351770013	
39	Propeller Fan	9300855013	9300855013	9300855013	
41	Fan Motor Assy	9600738023	9600738023	9600738023	
45	Motor Fixing Table Assy	313029311100	313029311100	313029311100	
46	Compressor Assy	9371322018	9360391001	9364340005	
55	Special Nut M8	313252257701	-----	-----	
67	Rubber (Vibration Proof)	313659068604	313659068604	313659068604	
107	Rubber Seat-A (For Comp.)	313093081402	313102081406	313093081402	
108	Sleeve-A (For Comp.)	313093081706	313696081700	313093081706	
109	Terminal Cover (For Comp.)	313202059600	9355987004	313202059600	
110	Lock Wire (For Comp.)	313202059706	9355989008	313202059706	
111	Terminal Packing (For Comp.)	313202059807	9355988001	313202059807	
158	Joint Pipe	9365312018	-----	-----	
178-1	Capillary Holder Rubber	313414274807	313414274807	-----	
187	Clamp No. 1219	313361271706	313361271706	313361271706	
196-1	Clamp SKB-3M	-----	312300787605	312300787605	
232	Joint Pipe	-----	9300990028	-----	
259	Muffler	-----	313948083902	-----	
338	Motor Fixture Metal	313029297108	313029297108	313029297108	
371	Process Pipe-B	313142082352	313142082352	-----	
646	Compressor Cover-B	313986355101	313986355101	313986355101	
717	Center Plate	9350216017	9350216017	9350216017	
750	Joint Pipe-A	-----	9301003017	-----	
815-1	Terminal-3P	9356488005	9356488005	9356488005	
826	Condensing Pipe-B	9353601001	9353601001	-----	
829	Joint Pipe-A	9365314012	-----	-----	
909	Strainer-A	-----	9365112014	-----	

ACCESSORIES

INDOOR UNIT

Name and Shape	Part number
Wall hook bracket 	9368579005
Remote control 	9371190020
Battery (penlight) 	0600185534
Remote control holder 	9305642014
Tapping screw (big) (φ4 x 20) 	301141164200
Tapping screw (small) (φ3 x 12) 	301141533125

OUTDOOR UNIT

Name and Shape	Part number
Hexagon wrench 	9351228019