



SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE

SERVICE MANUAL

Indoor unit	Outdoor unit
ASG30ABA-W	AOGR30AAT
ASG30ABC-W	AOGR30AAT

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SPECIFICATIONS

ELECTRICAL DATA

TYPE	COOLING
INDOOR UNIT	ASG30ABA-W ASG30ABC-W
OUTDOOR UNIT	AOGR30AAT
COOLING CAPACITY	8.05 kW / 8.20 kW
POWER SOURCE	220 V - 240 V
FREQUENCY	50 Hz
RUNNING CURRENT	13.8 A / 13.7 A
INPUT WATTS	2.96 kW / 3.08 kW
EER	2.72 kW/kW / 2.66 kW/kW
MOISTURE REMOVAL	3.0 L/hr
AIR CIRCULATION	1,020 m3/hr / 1,050 m3/hr

COMPRESSOR

TYPE	Hermetic type, 2 poles, Single phase, Induction motor	
DISCRIMINATION	ZR36KH - PFJ - 522	
PRECHARGED REFRIGERANT	2,200 g	
REFRIGERANT TYPE	R-22	
FULL CHARGE	Pipe length 7.5 m	2,200 g
	10 m	2,250 g
	20 m	2,450 g
	30 m	2,650 g
ADDITIONAL CHARGE	20 g/m	

FAN MOTOR

POWER SOURCE		220 V - 240 V
INDOOR UNIT	Discrimination	MFA-30HTT
	High speed	1,290 - 1,320 r.p.m.
	Middle speed	1,140 - 1,210 r.p.m.
	Low speed	930 - 1,030 r.p.m.
OUTDOOR UNIT	Discrimination	MFB - 30PTT
	High speed	780 r.p.m.
	Low speed	400 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	830 x 900 x 330 mm

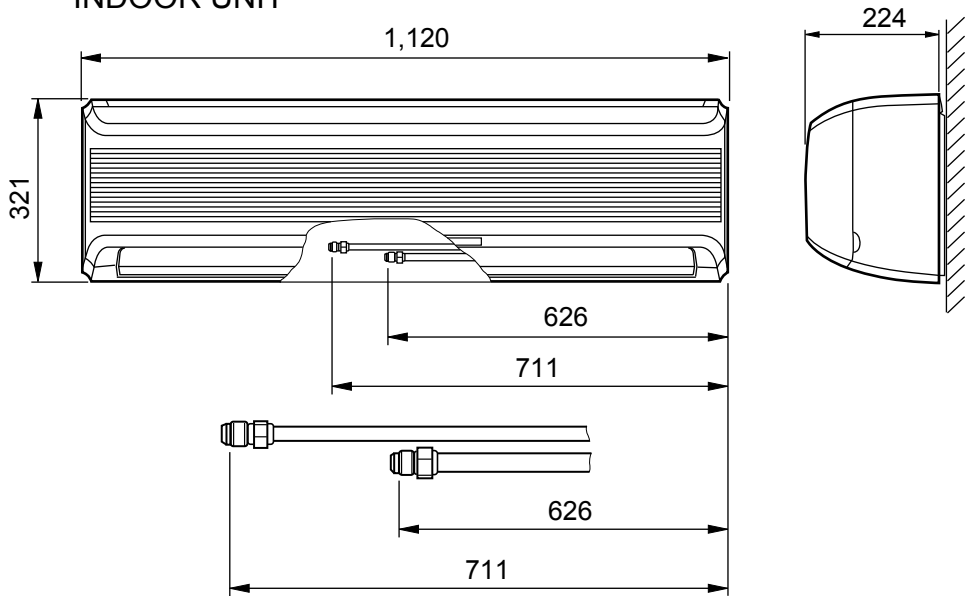
WEIGHT

INDOOR UNIT	Gross / Net	22 kg / 16 kg
OUTDOOR UNIT	Gross / Net	80 kg / 72 kg

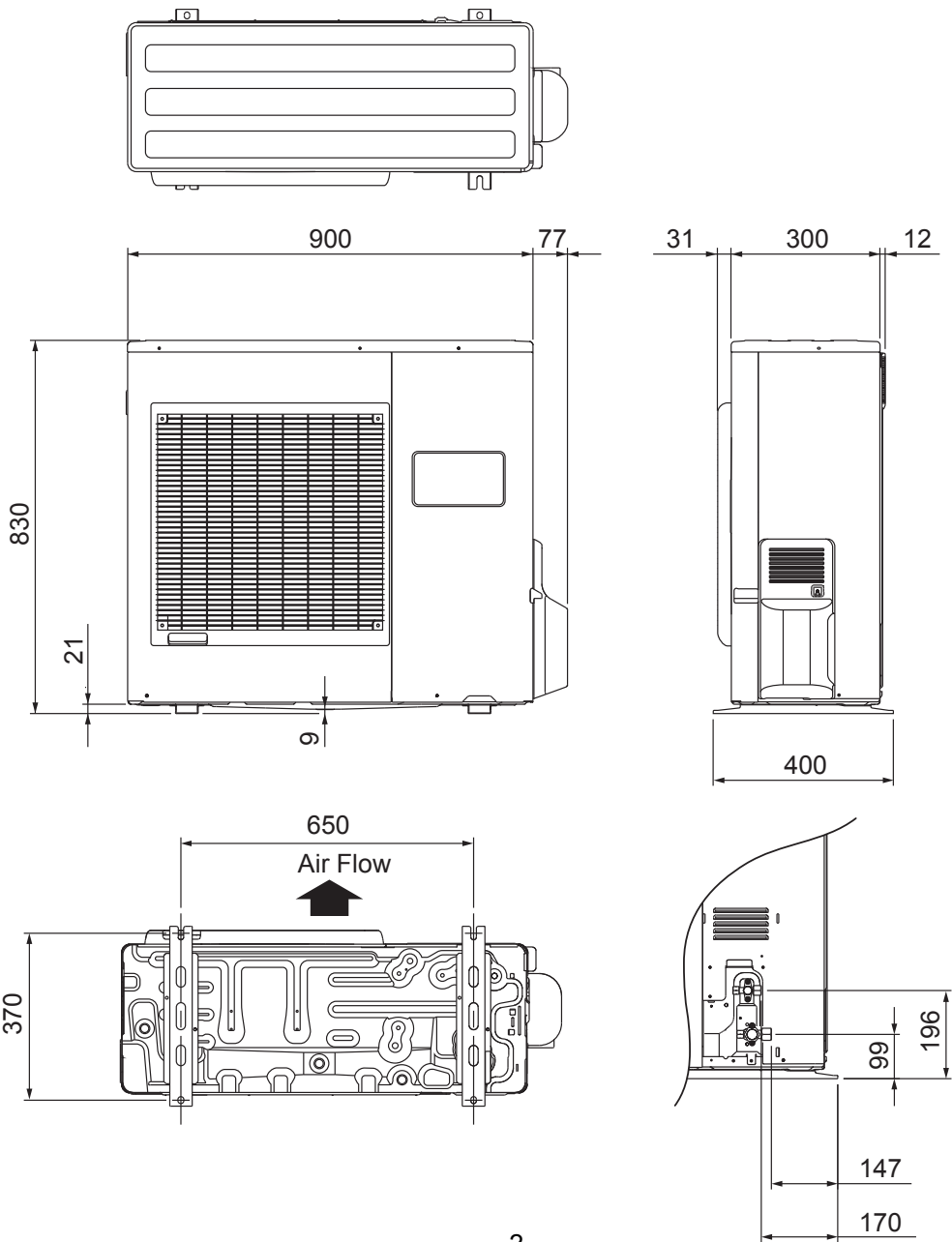
OUTLINE AND DIMENSIONS

Unit : mm

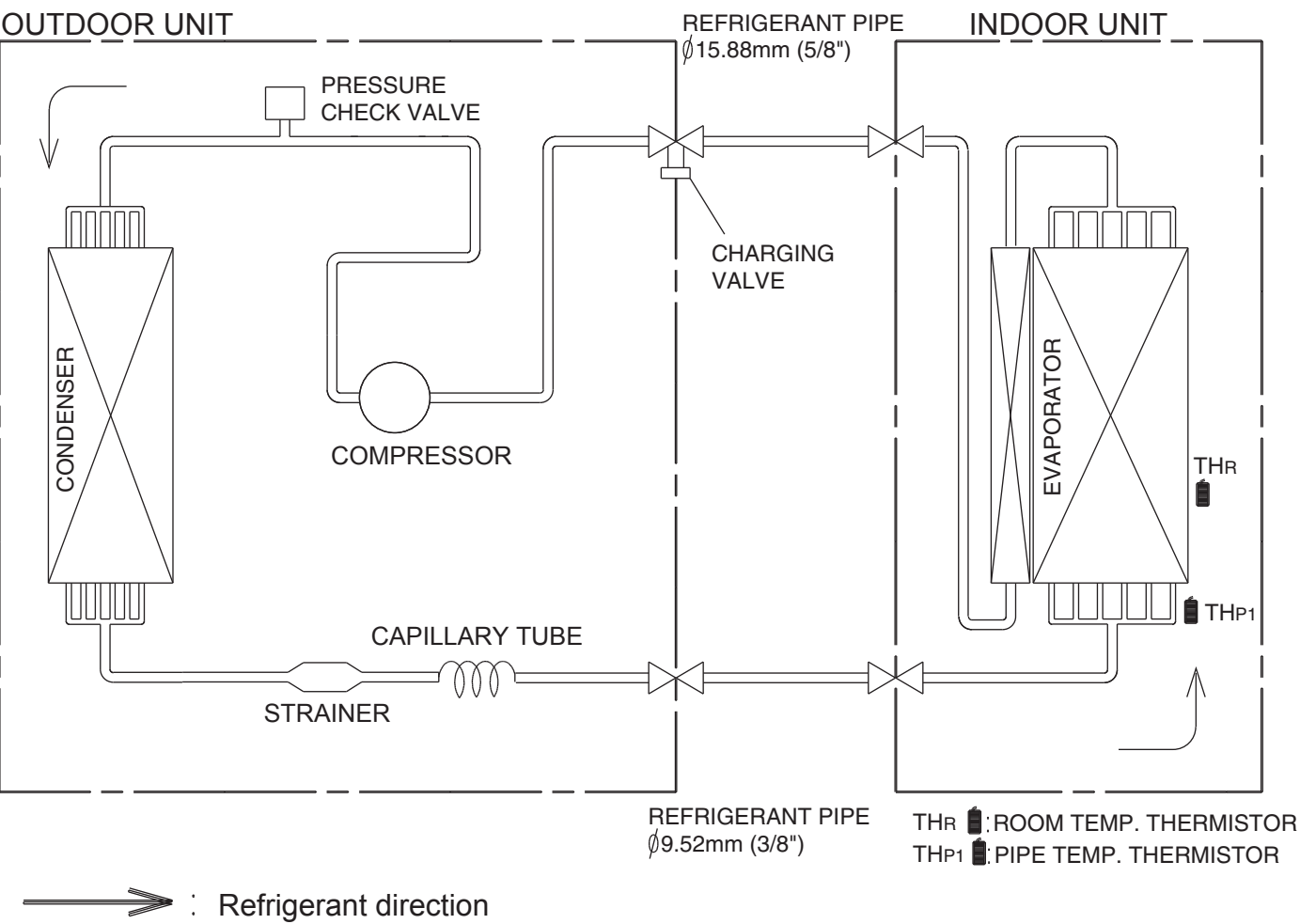
INDOOR UNIT



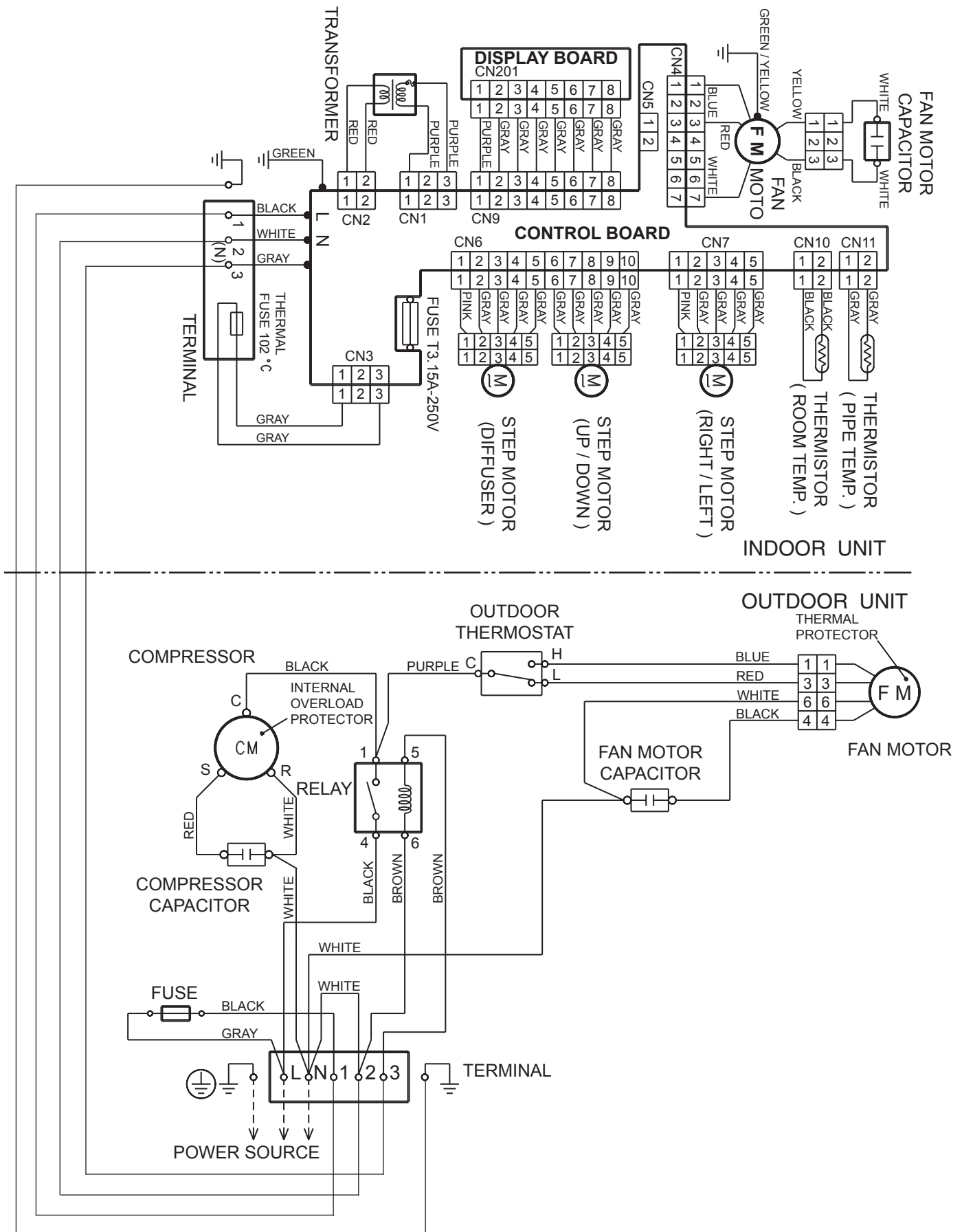
OUTDOOR UNIT



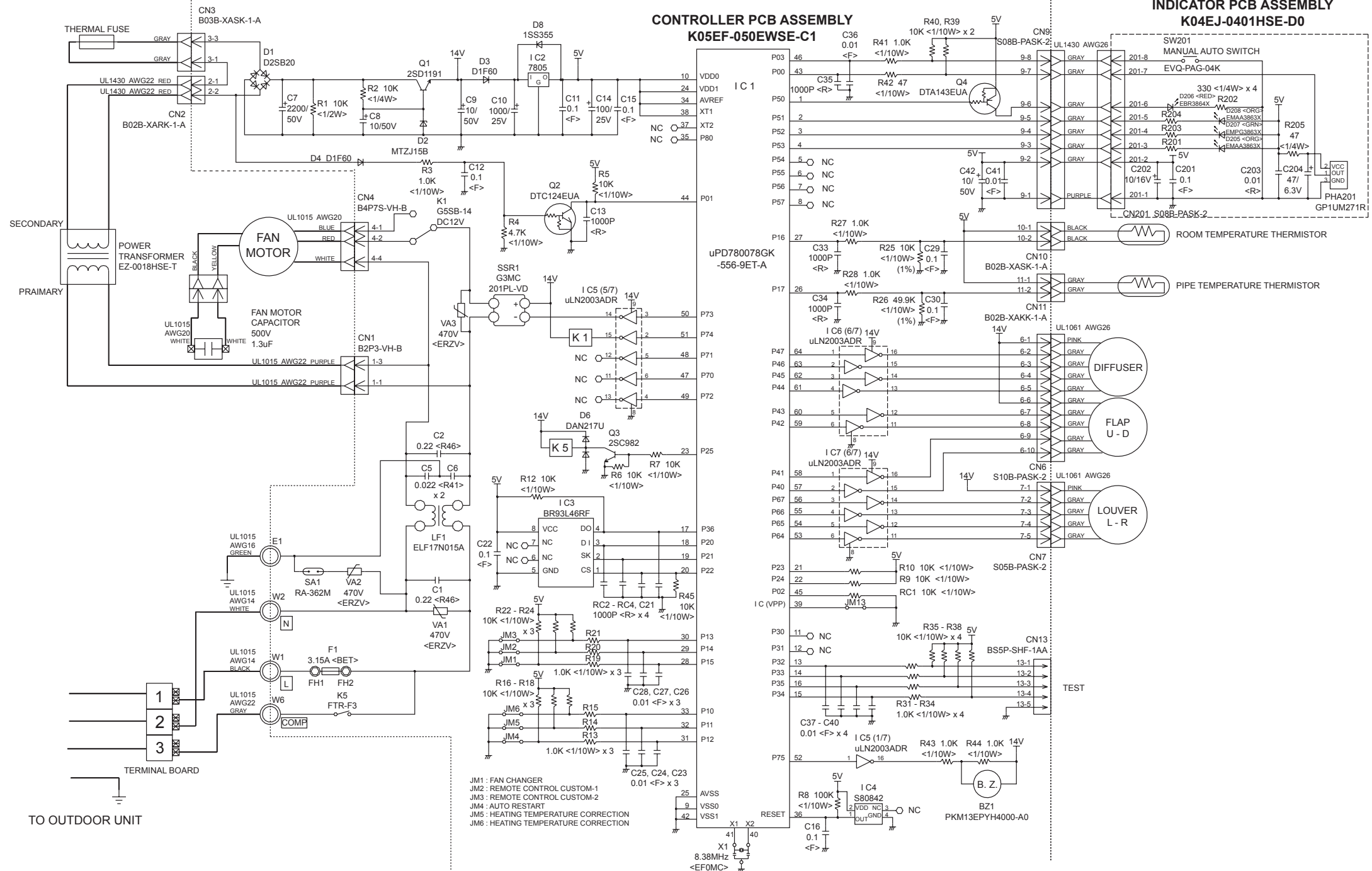
REFRIGERANT SYSTEM DIAGRAM



CIRCUIT DIAGRAM



INDOOR PCB CIRCUIT DIAGRAM



ERROR CONTENTS

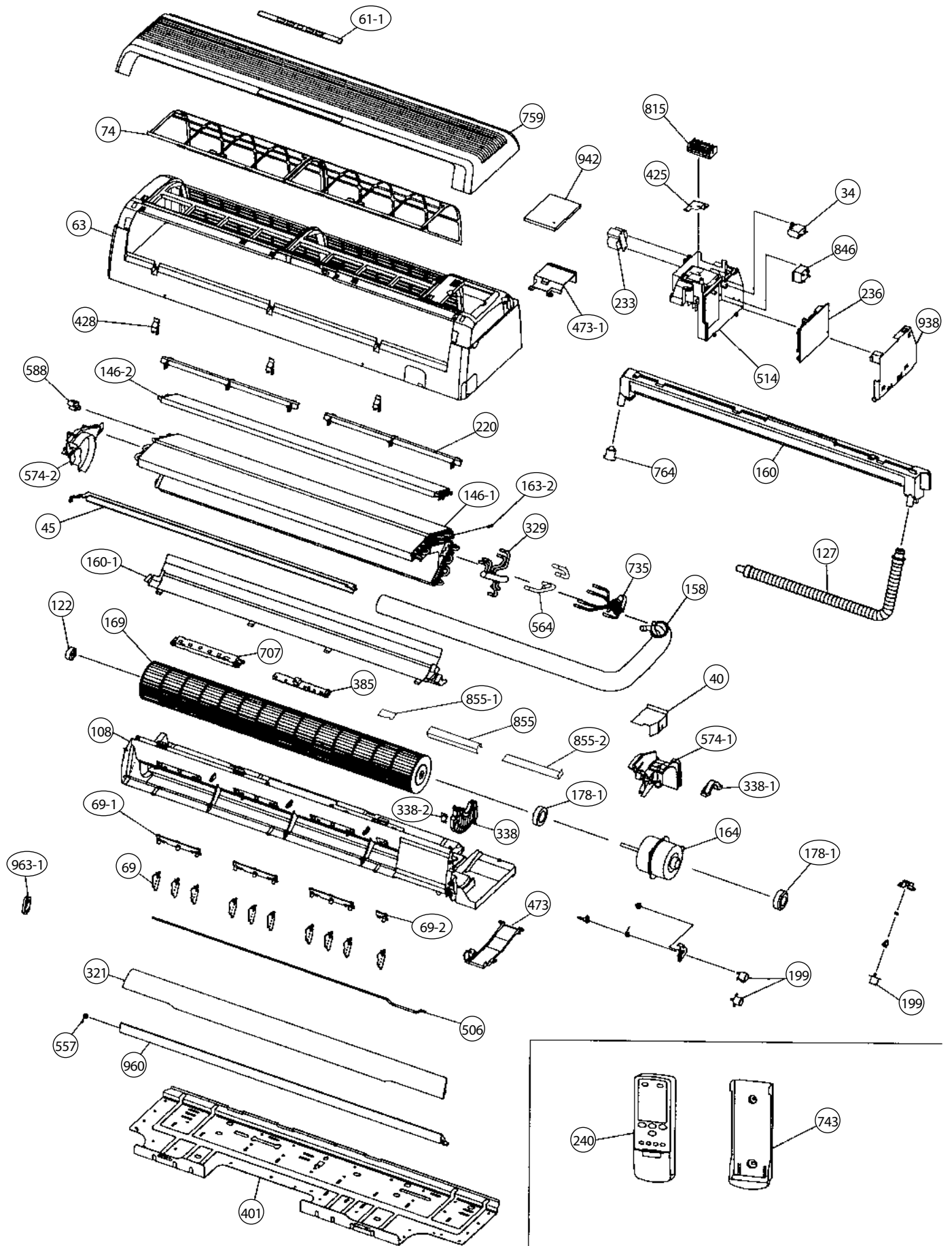
The OPERATION, TIMER and SWING lamps operate as follows according to the error contents.

○ : Fast flashing ● : Slow flashing – : Off

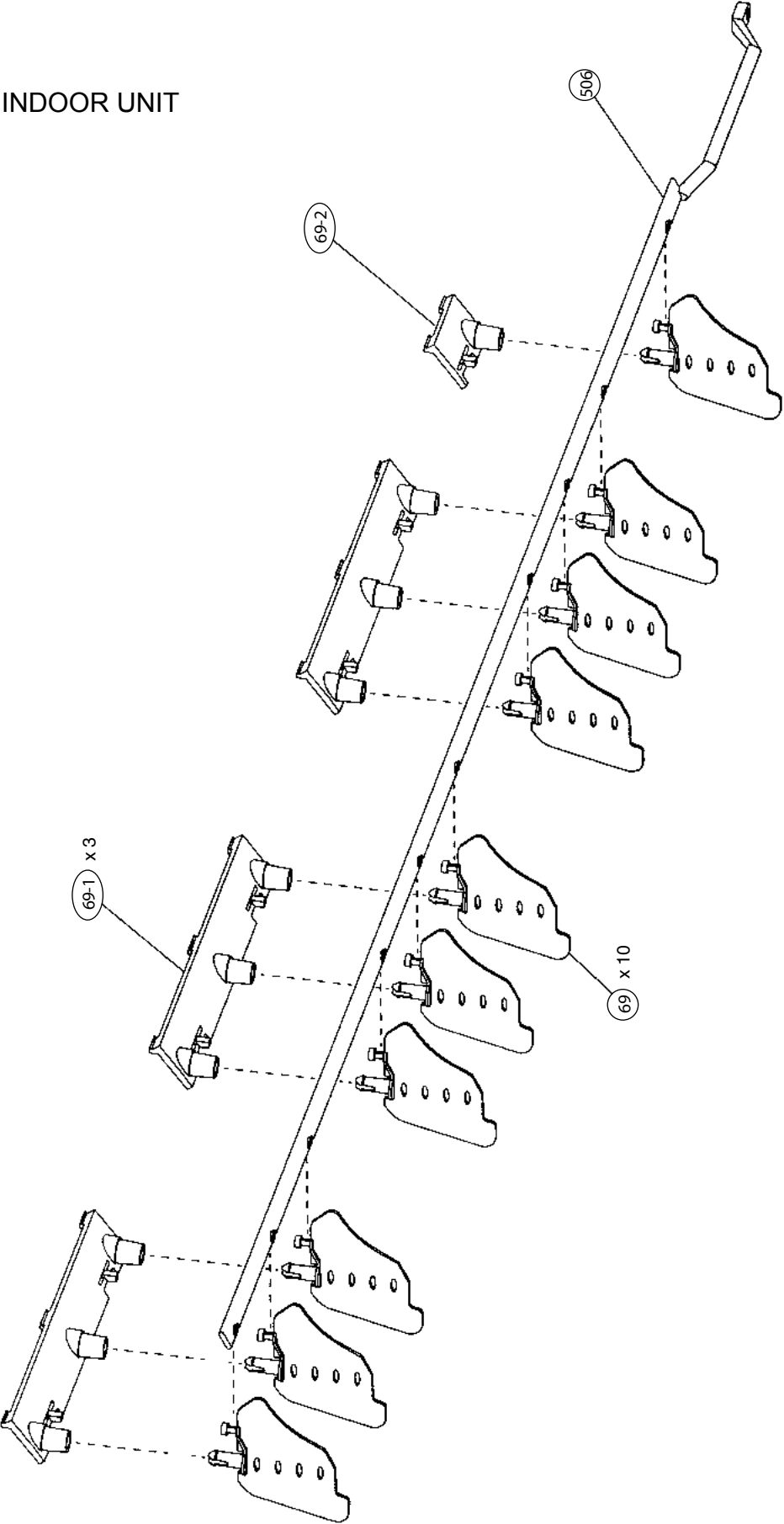
Error contents	Error display		
	OPERATION (RED)	TIMER (GREEN)	SWING (ORANGE)
Indoor unit circuit board error	○	○	–
Indoor unit room temperature sensor wire opened	2 times ●	○	–
Indoor unit room temperature sensor wire short circuited	2 times ●	○	○
Indoor unit piping sensor wire opened	3 times ●	○	–
Indoor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

DISASSEMBLY ILLUSTRATION

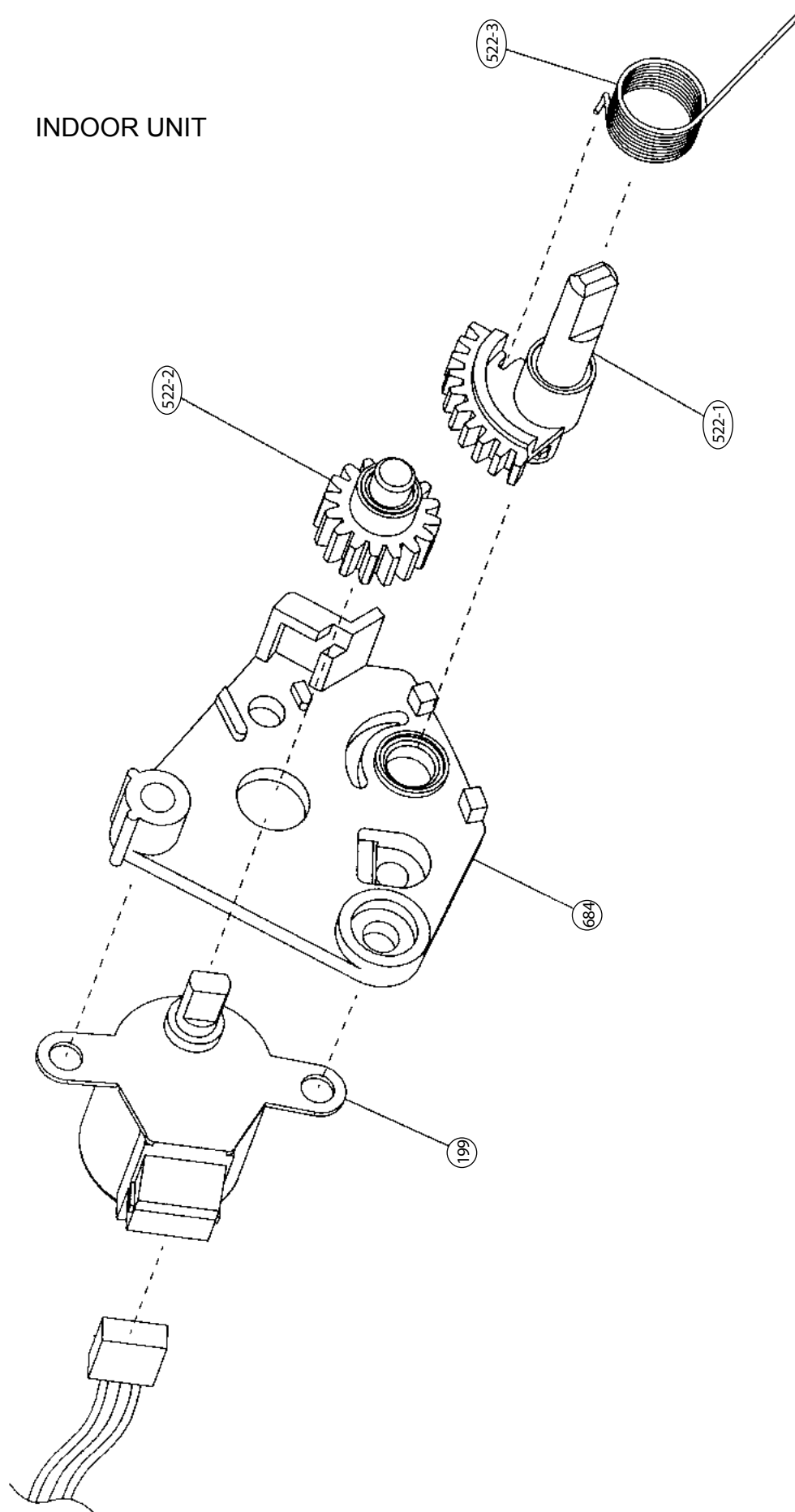
INDOOR UNIT



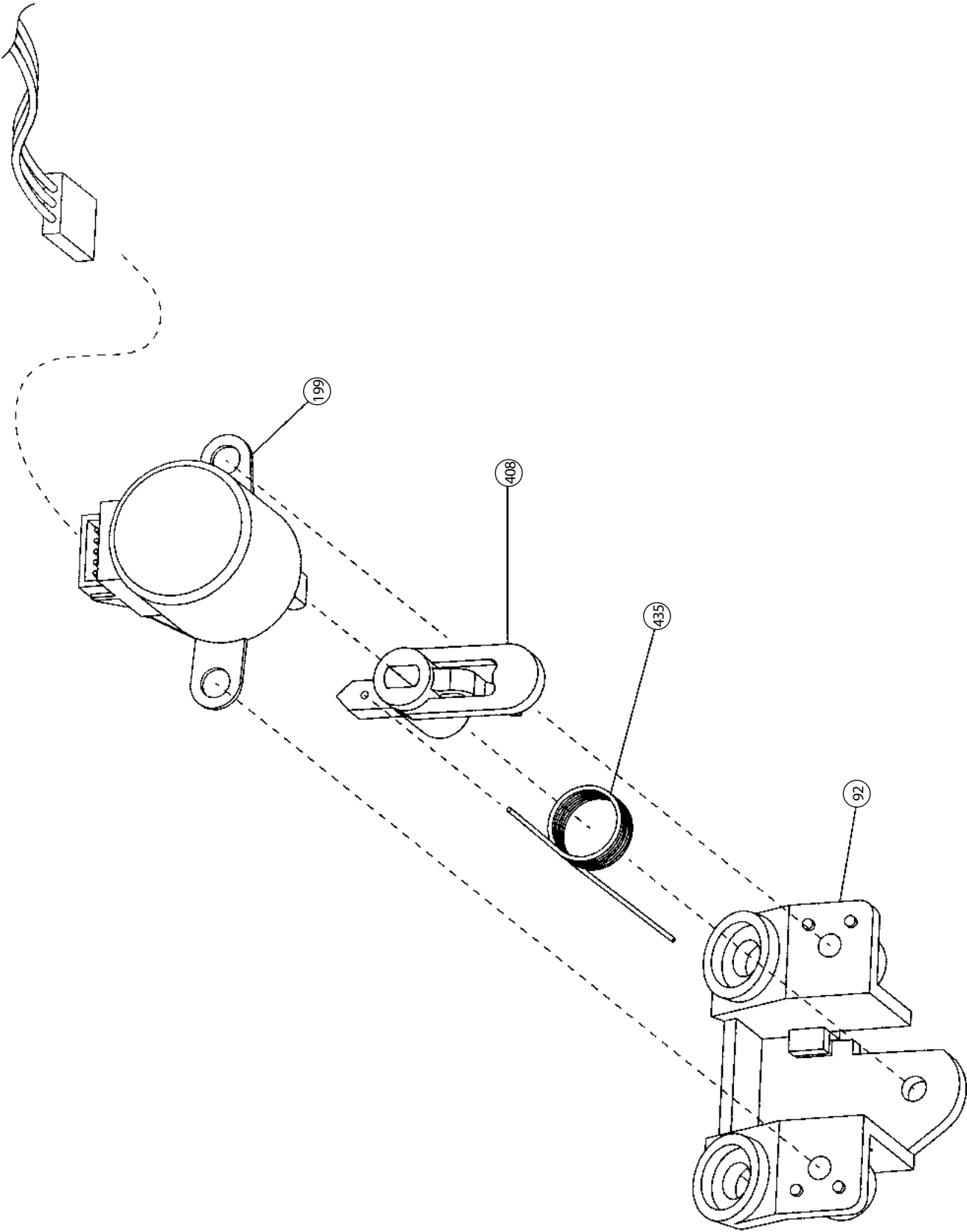
INDOOR UNIT



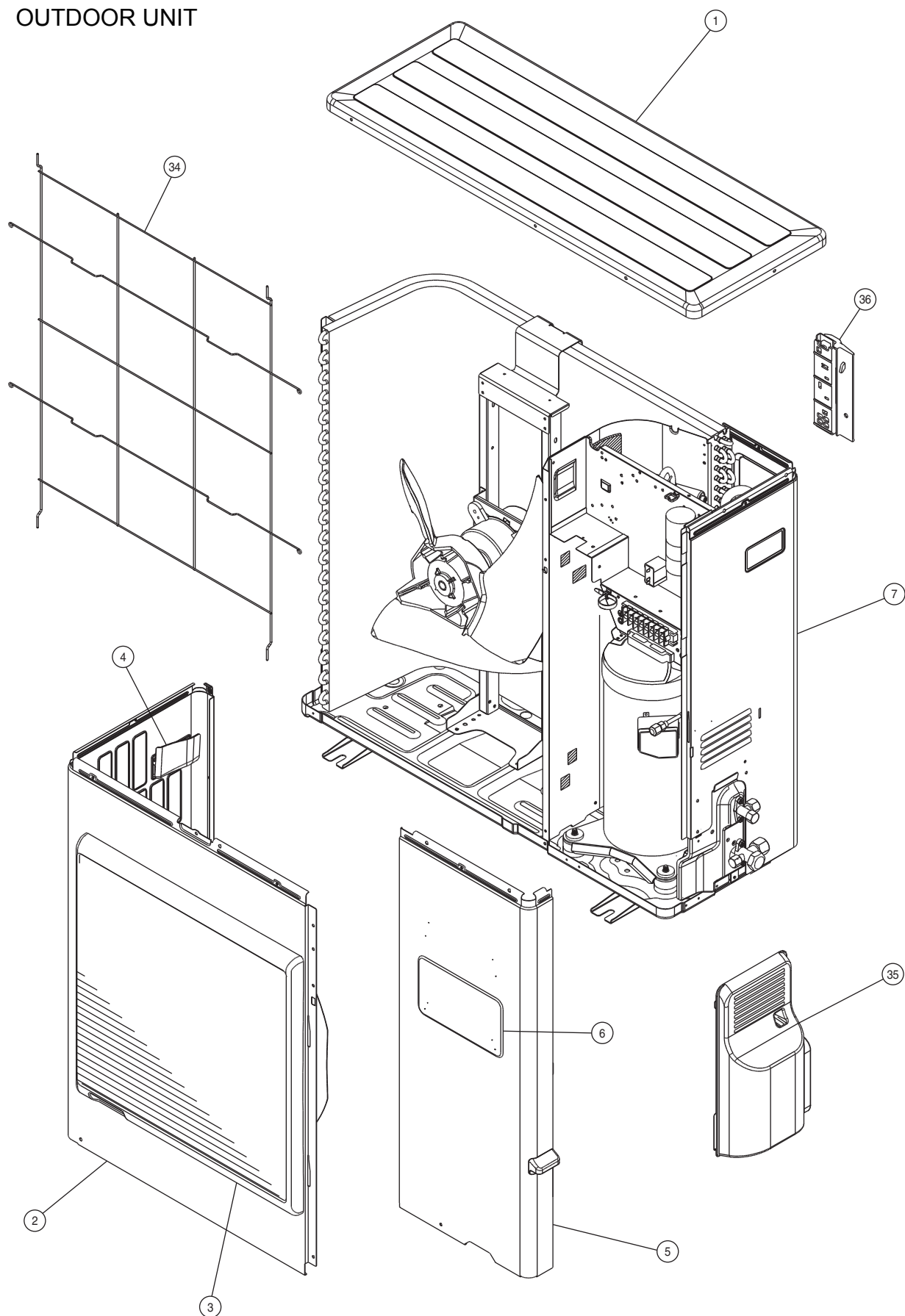
INDOOR UNIT



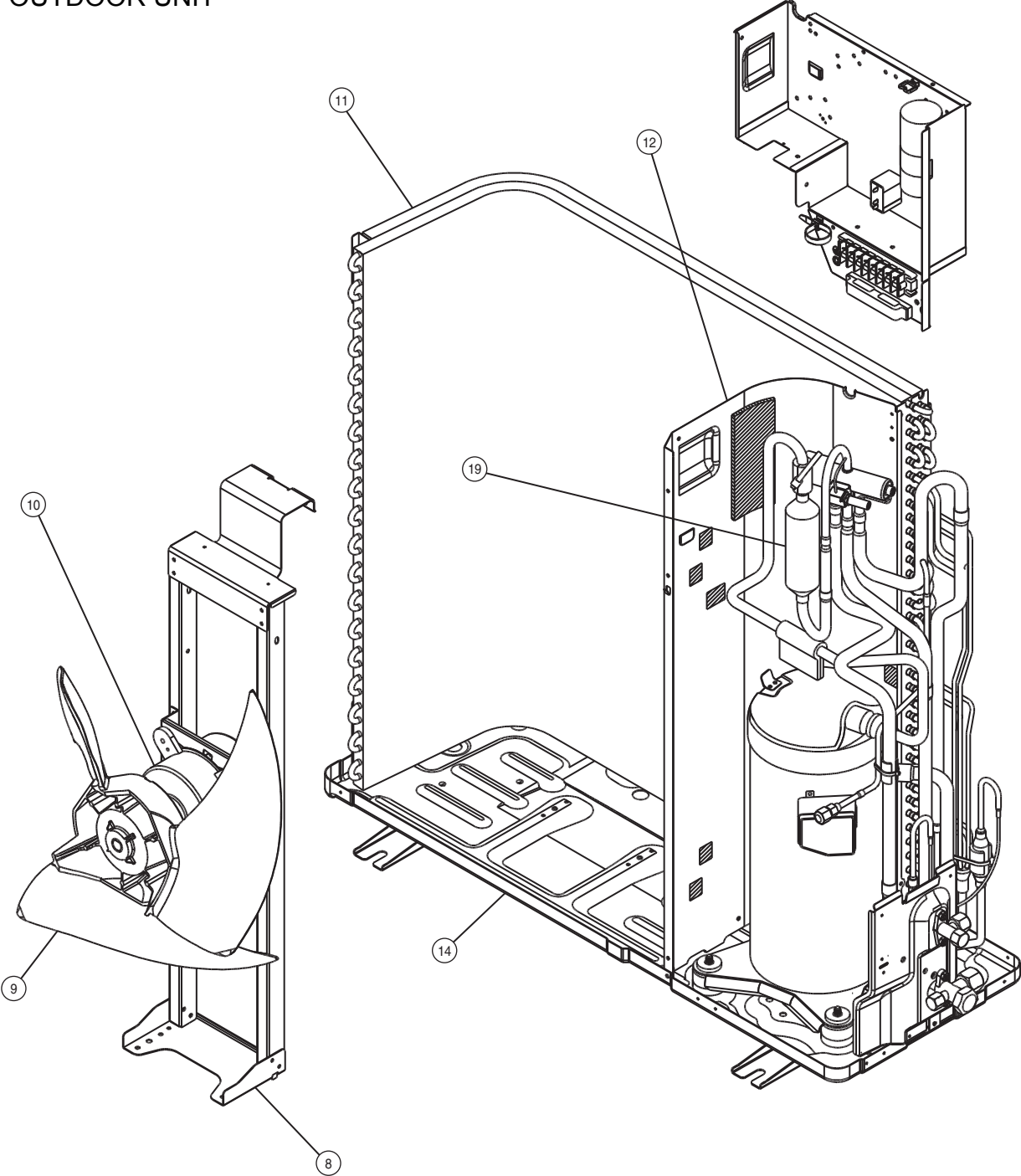
INDOOR UNIT



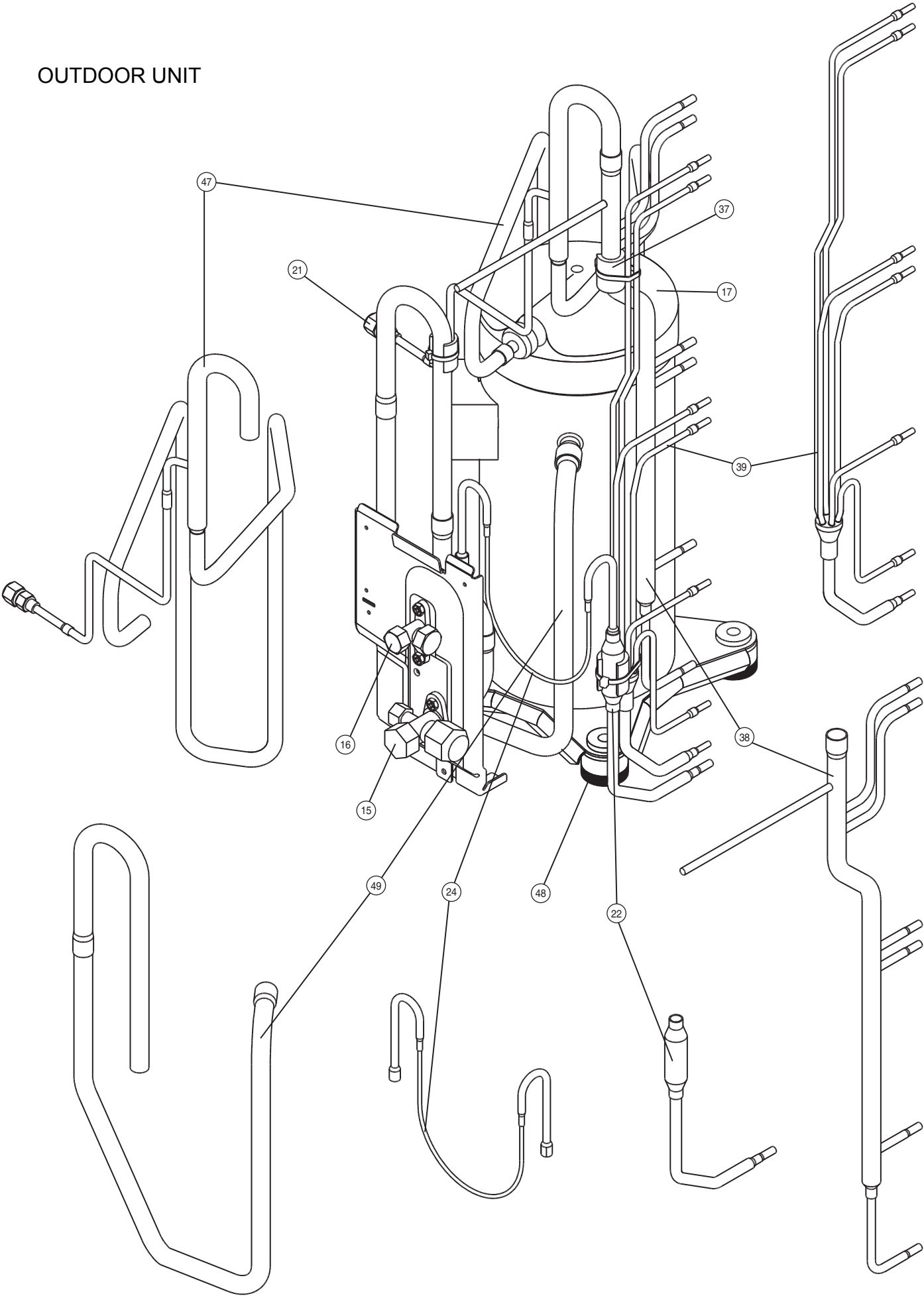
OUTDOOR UNIT



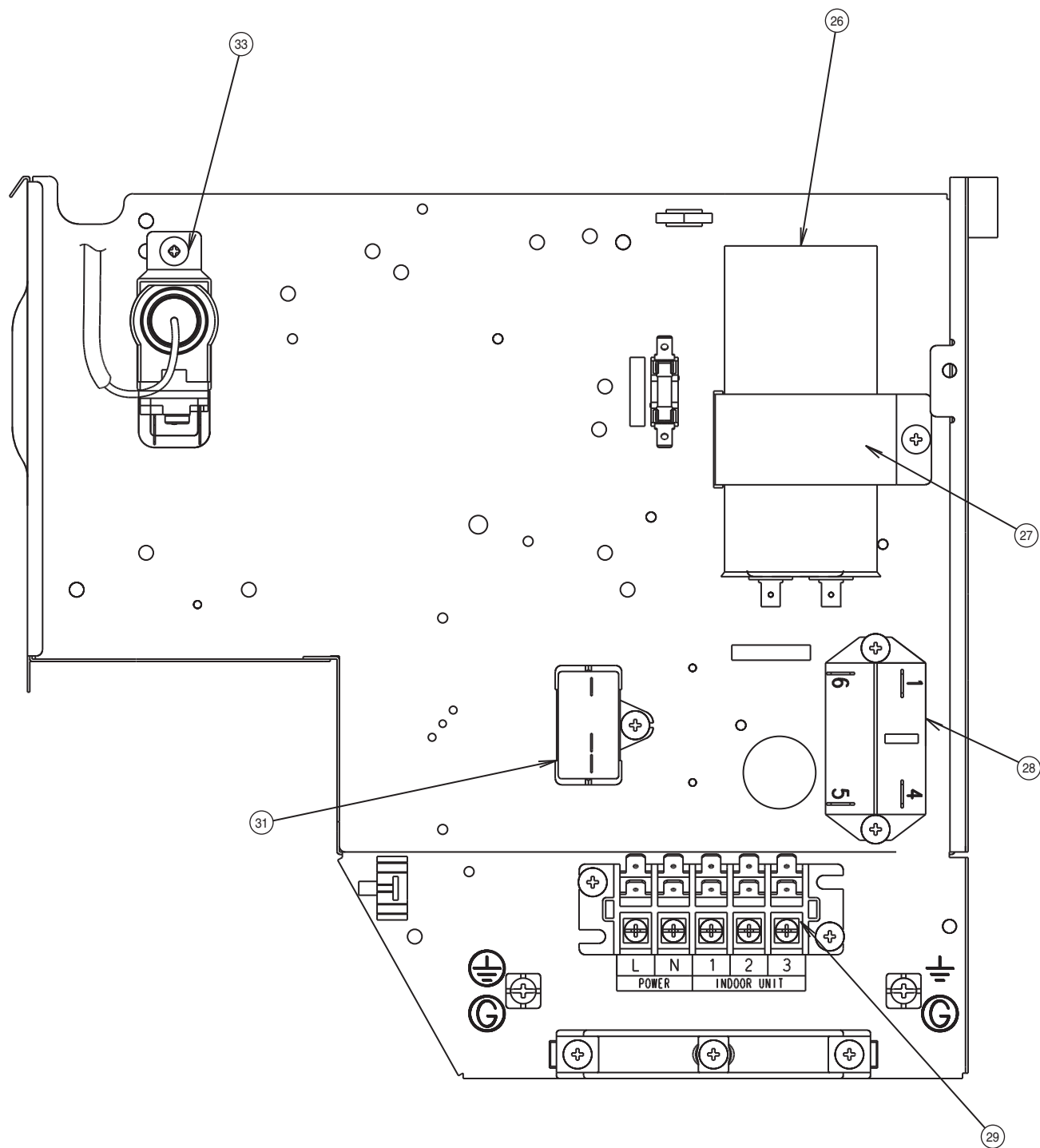
OUTDOOR UNIT



OUTDOOR UNIT



OUTDOOR UNIT



PARTS LIST

INDOOR UNIT

Ref.	Description	Part number	
34	Capacitor (Fan Motor)	9704305060	
40	Water Seal Plate	9369684005	
45	Bracket (Evaporator)	9369372001	
61-1	Decoration Plate-G	9368756017	
63	Front Panel	9368540012	
69	Louver	9368560010	
69-1	Louver Base-A	9368558017	
69-2	Louver Base-B	9368559014	
74	Air Filter	9368552008	
92	Link Holder	9368563004	
108	Base	9368539016	
122	Bearing Assy	9368574000	
127	Drain Hose	9367695003	
146-1	Evaporator-A Assy	9369366000	
146-2	Evaporator-B Assy	9369373008	
158	Joint Pipe Assy	9369371004	
160	Front Drain Pan	9368546007	
160-1	Rear Drain Pan	9368547004	
163-2	Thermistor Spring-A	313728262708	
164	Fan Motor Assy-IN	9601388012	
169	Cross Flow Fan Assy	9368586003	
178-1	Rubber (Motor)	9368575007	
199	Step Motor	9900139049	
220	Water Plate	9368569006	
233	Power Transformer	9900069018	
236	Controller PCB Assy	9707212150	
240	Remote Control Unit	9371190020	
321	Flap	9368544010	
329	Coupling Pipe Assy	9369370007	
338	Motor Holder-A	9368550004	
338-1	Motor Holder-B	9368551001	
338-2	Motor Holder-C	9368769000	
385	Indicator PCB Assy	9705801028	
401	Wall Hook Bracket	9368579005	
408	Louver Link	9368562007	
425	Earth Plate	9368580001	
428	Screw Cover	9368576011	
435	Louver Spring	9368613006	
473	Pipe Holder	9368565008	
473-1	Cord Holder	9368566005	

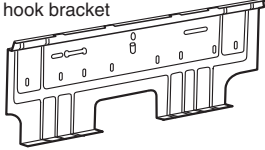
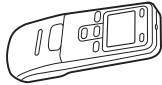
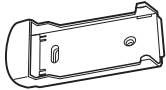
Ref.	Description	Part number	
506	Louver Rod	9368561017	
514	Control Box	9368543006	
522-1	Sector Gear	9368556006	
522-2	Pinion Gear	9368557003	
522-3	Flap Spring	9368612009	
557	Diffuser Spring	9368587000	
564	Bypass Pipe-A Assy	9369551000	
574-1	Evaporator Support-R	9368549008	
574-2	Evaporator Support-L	9368548001	
588	Evaporator Holder	9368775001	
684	Motor Base	9368555009	
707	Display Cover	9368564001	
735	Distributor Assy	9369369001	
743	Remote Control Holder	9305642014	
759	Intake Grill-G	9368542016	
764	Drain Cap	9367677009	
815	Terminal	9306489106	
846	Relay G5NB-1A	9900200015	
855	Cover Display	9369264016	
855-1	Cover Display-B	9369594014	
855-2	Cover Display-C	9369683015	
938	Control Box Cover-R	9368570002	
942	Control Box Cover	9368611002	
960	Diffuser	9368545017	
963	Fan Guard	9368588007	
963-1	Fan Guard Holder	9368554002	
998	Bypass Pipe-A	9369367007	
999	Bypass Pipe-B	9369368004	
----	Thermistor (Room)	9703299179	
----	Thermistor (Pipe)	9703297076	

OUTDOOR UNIT

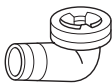
Ref.	Description	Part number	
1	Top Panel Sub Assy	9374417018	
2	Front Panel	9374094066	
3	Fan Guard	9374330010	
4	Grip (Side)	9374173013	
5	Service Panel Sub Assy	9374415038	
6	Emblem-Rear	9372171011	
7	Right Panel Sub Assy	9374416035	
8	Motor Bracket Sub Assy	9374418039	
9	Propeller Fan Assy	9366378013	
10	Fan Motor	9601671060	
11	Condenser A Assy	9374433162	
12	Separate Wall Sub Assy	9374413157	
14	Base Assy	9374166015	
15	3-Way Valve Assy	9315760012	
16	2-Way Valve Assy	9315759016	
17	Compressor Assy	9371396071	
21	Check Joint	9385588011	
22	Strainer Sub Assy	9374421015	
23	Distributor	9369128004	
24	Capillary Assy	9372197400	
26	Capacitor , Plastic	9900269098	
27	Capacitor , Clamp	313791061807	
28	Relay	9900074012	
29	Terminal	9900203023	
31	Capacitor (Fan Motor)	9900270049	
33	Thermostat Outdoor	9900275013	
34	Protective Net	9375381011	
35	Valve Cover	9374174010	
36	Thermostat Holder	9374177011	
37	Capillary Holder Rubber	313394274808	
38	Inlet Pipe (Cond.)-A Assy	9373461067	
39	Outlet Pipe (Cond.) Assy	9374266050	
47	Discharge-A Assy	9372264195	
48	Noise Ins(Comp.)	9385599000	
49	Suction Pipe Assy	9372175064	
--	Compressor Cover A	9385579026	
--	Compressor Cover B	9385579033	
--	Compressor Cover C	9385579040	
--	Compressor Cover D	9385579057	
--	Special Nut M5(For Comp.)	9355091008	
--	Rubber Seat (For Comp.)	9364084008	

ACCESSORIES

INDOOR UNIT

Name and Shape	Q'ty	Part No.
Wall hook bracket 	1	9368579005
Remote control unit 	1	9371190020 (AR-JW2)
Battery (penlight) 	2	0600185534
Remote control unit holder 	1	9305642014
Tapping screw (big) (ϕ 4 x 20)	12	0700076107
Tapping screw (small) (ϕ 3 x 12)	3	0700019098

OUTDOOR UNIT

Name and Shape	Q'ty	Application
Drain pipe 	1	For outdoor unit drain piping work (May not be supplied, depending on the model.) {Heat & cool model (Reverse cycle) only}
Drain cap 	2	
Insulation (seal) 	1	For filling in a gap at the entrance of connection cords

OPTIONAL PARTS

The following options are available.

DRAIN PUMP UNIT : UTR-DPB241 (P/N 9034087001)