

SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE

SERVICE MANUAL

Indoor unit	Outdoor unit
ASY12RSJCW	AOY12RSJC
ASY12RSJTW	AOY12RSJT

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SPECIFICATIONS

ELECTRICAL DATA

INDOOR UNIT		ASY12RSJCW	ASY12RSJTW
OUTDOOR UNIT		AOY12RSJC	AOY12RSJT
TYPE		Cooling & Heating	
COOLING CAPACITY		3.25 kW	
HEATING CAPACITY		3.80 kW	
POWER SOURCE		230V 50Hz	
RUNNING CURRENT	Cool	6.2 A	
	Heat	5.7 A	
INPUT WATTS	Cool	1.31 kW	
	Heat	1.22 kW	
E.E.R.	Cool	2.48 kW/kW	
	Heat	3.11 kW/kW	
MOISTURE REMOVAL		1.8 L/hr	
AIR CIRCULATION HIGH	Cool	535 m3/hr	
	Heat	545 m3/hr	

FAN MOTOR

POWER SUPPLY		230 V
INDOOR UNIT	High speed	Cool 1310 Heat 1330 r.p.m.
	Middle speed	Cool 1200 Heat 1210 r.p.m.
	Low speed	Cool 1090 Heat 1090 r.p.m.
	Quiet	Cool 980 Heat 980 r.p.m.
OUTDOOR UNIT		770 r.p.m.

NOISE LEVEL

INDOOR UNIT	High speed	Cool 40 dB / Heat 40 dB
	Middle speed	Cool 39 dB / Heat 39 dB
	Low speed	Cool 37 dB / Heat 37 dB
	Super quiet	Cool 34 dB / Heat 34 dB
OUTDOOR UNIT		Cool 47 dB / Heat 48 dB

DIMENSIONS

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

WEIGHT

INDOOR UNIT	Net / Gross	10 kg / 8 kg
OUTDOOR UNIT	Net / Gross	34 kg / 31 kg

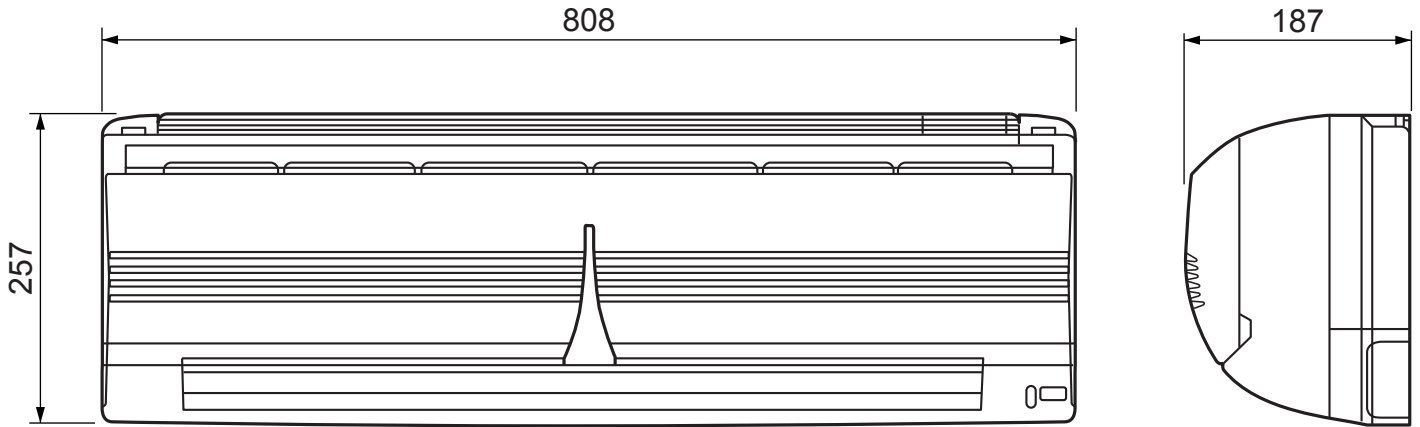
COMPRESSOR

TYPE		Hermetic type, Permanet split condenser, 2 pole, Single phase, Induction motor
POWER SOURCE		220, 230, 240V / 50Hz
DISCRIMINATION		QXV-23D(F) 806 159 45(C)
WEIGHT (with oil)		14.6 kg
REFRIGERANT		770 g
REFRIGERANT TYPE		R-22
FULL CHARGE	Pipe length 7.5m	770 g
	10m	810 g
	15m	890 g
ADDITIONAL CHARGE		16 g/m

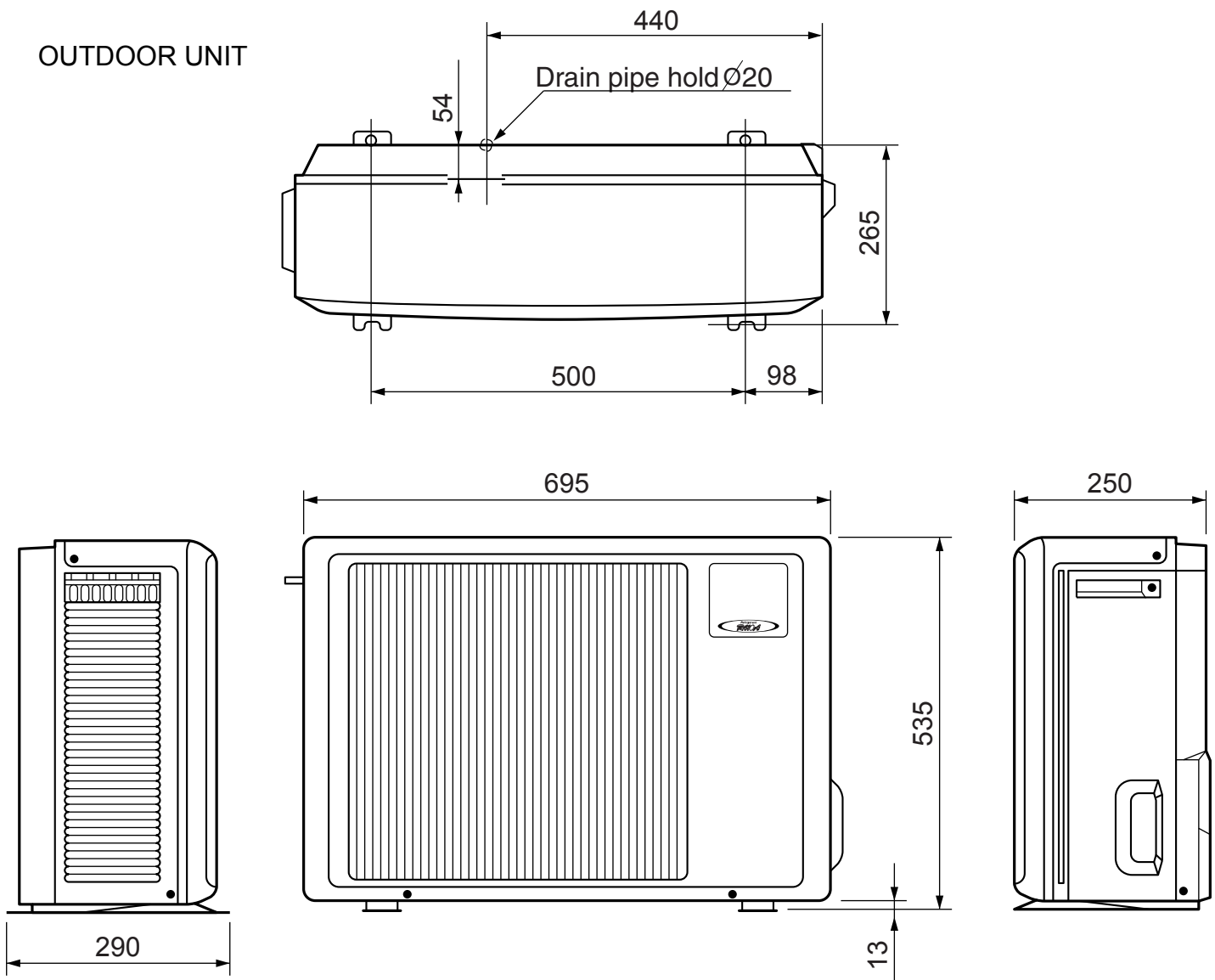
DIMENSIONS

Unit : mm

INDOOR UNIT

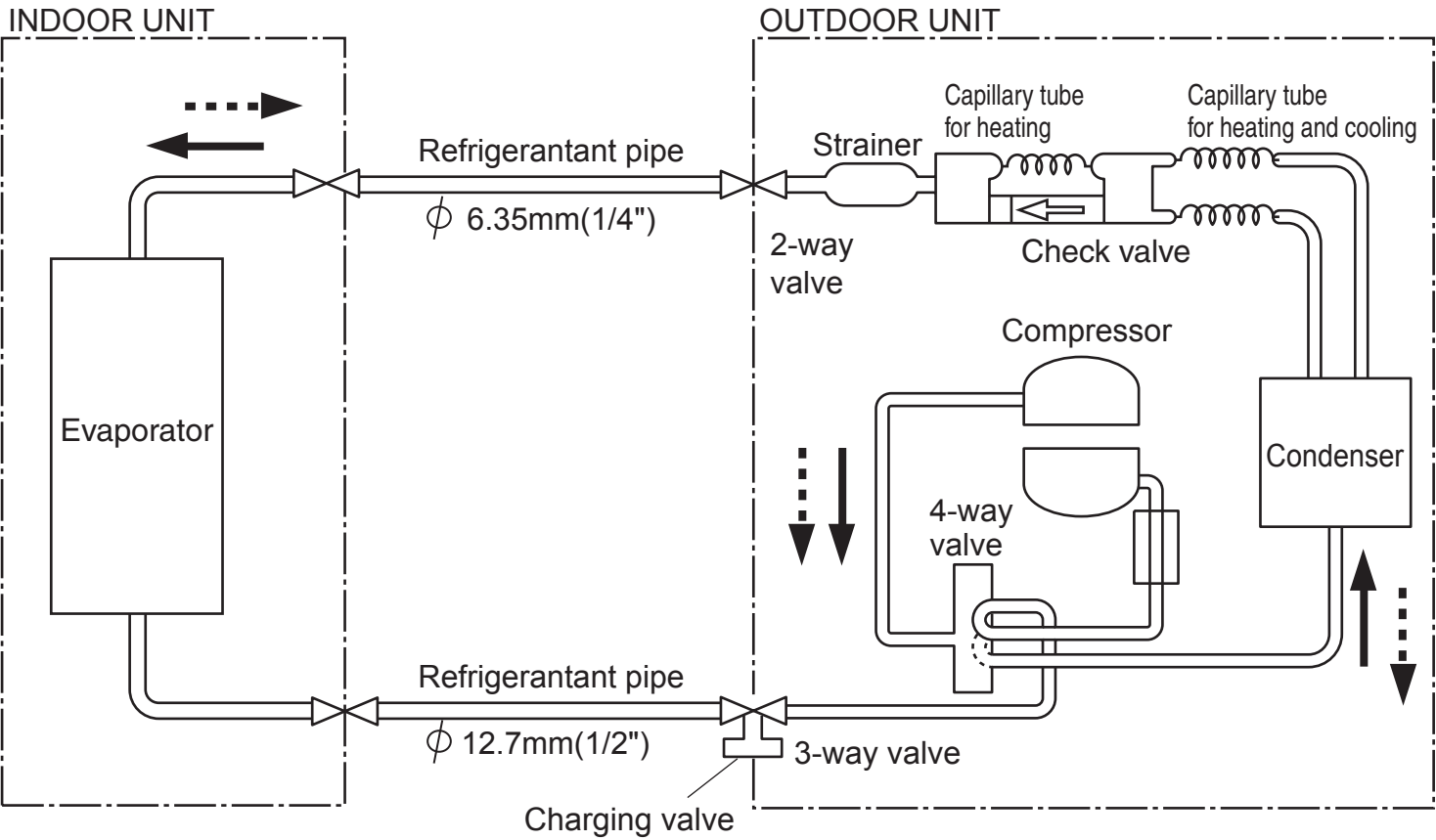


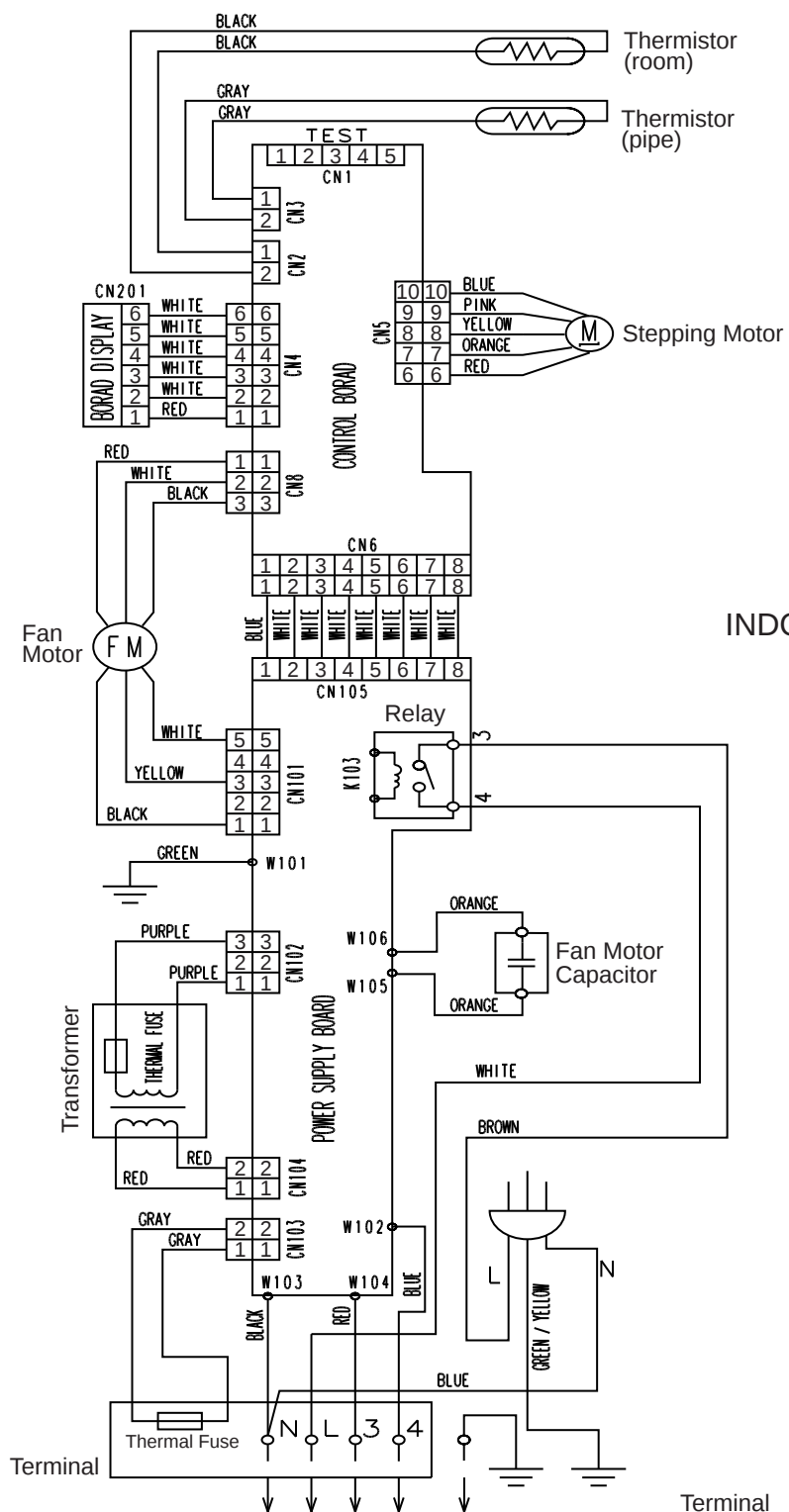
OUTDOOR UNIT



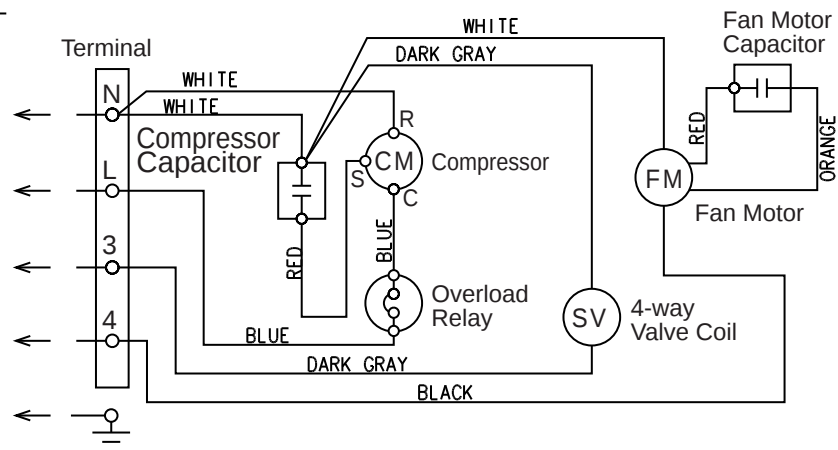
REFRIGERANT SYSTEM DIAGRAM

- Cooling
- Heating
- ⋈ : Flare coupling

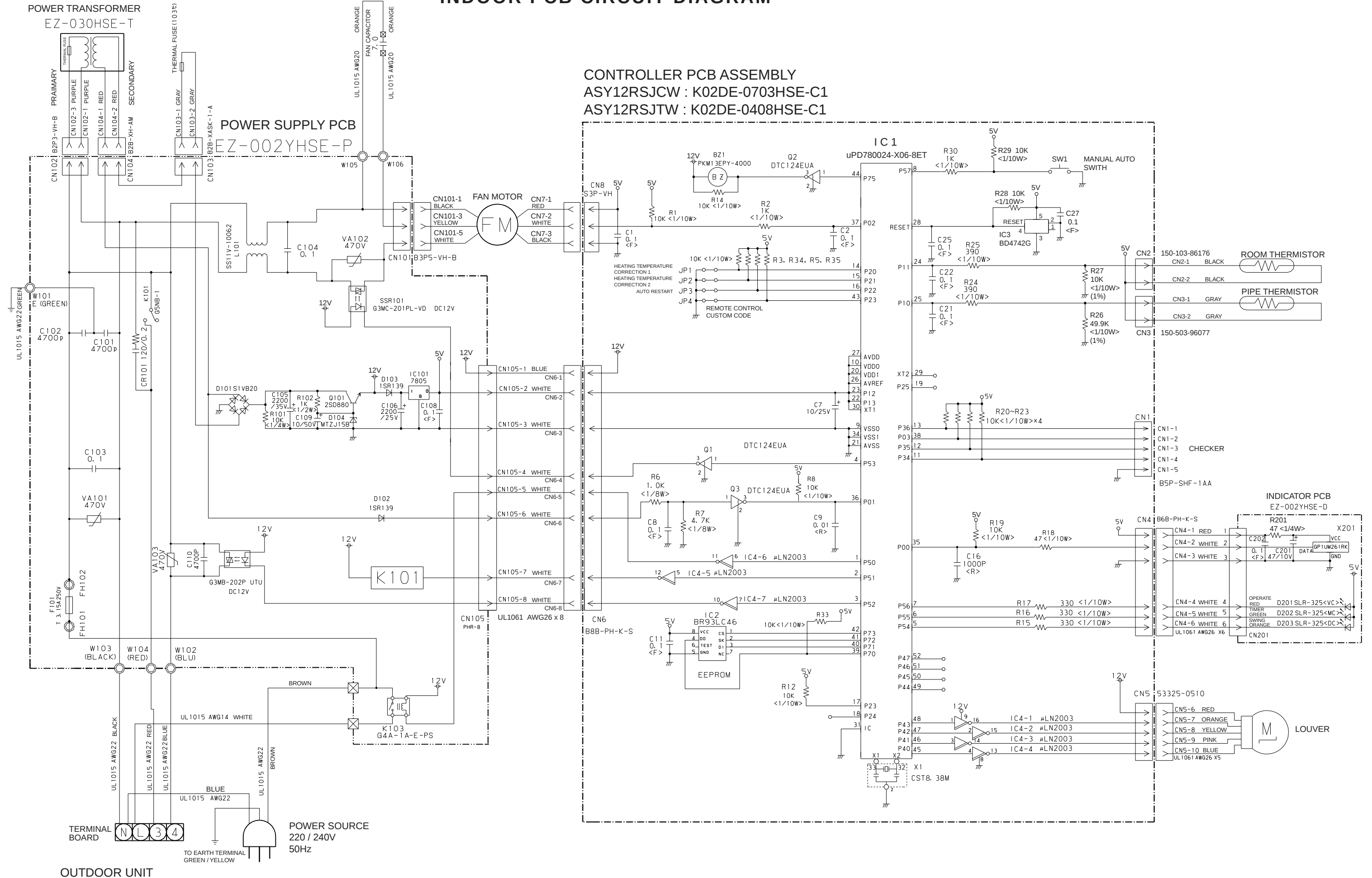




CIRCUIT DIAGRAM



INDOOR PCB CIRCUIT DIAGRAM



ERROR DISPLAY

Large division indication

LED indication		Error contents
Operation lamp (Red)	Timer lamp (Green)	
● (2 times)	○	thermistor error
● (4 times)	○	control unit error (indoor unit)
● (6 times)	○	fan motor error (indoor unit)

Small division indication

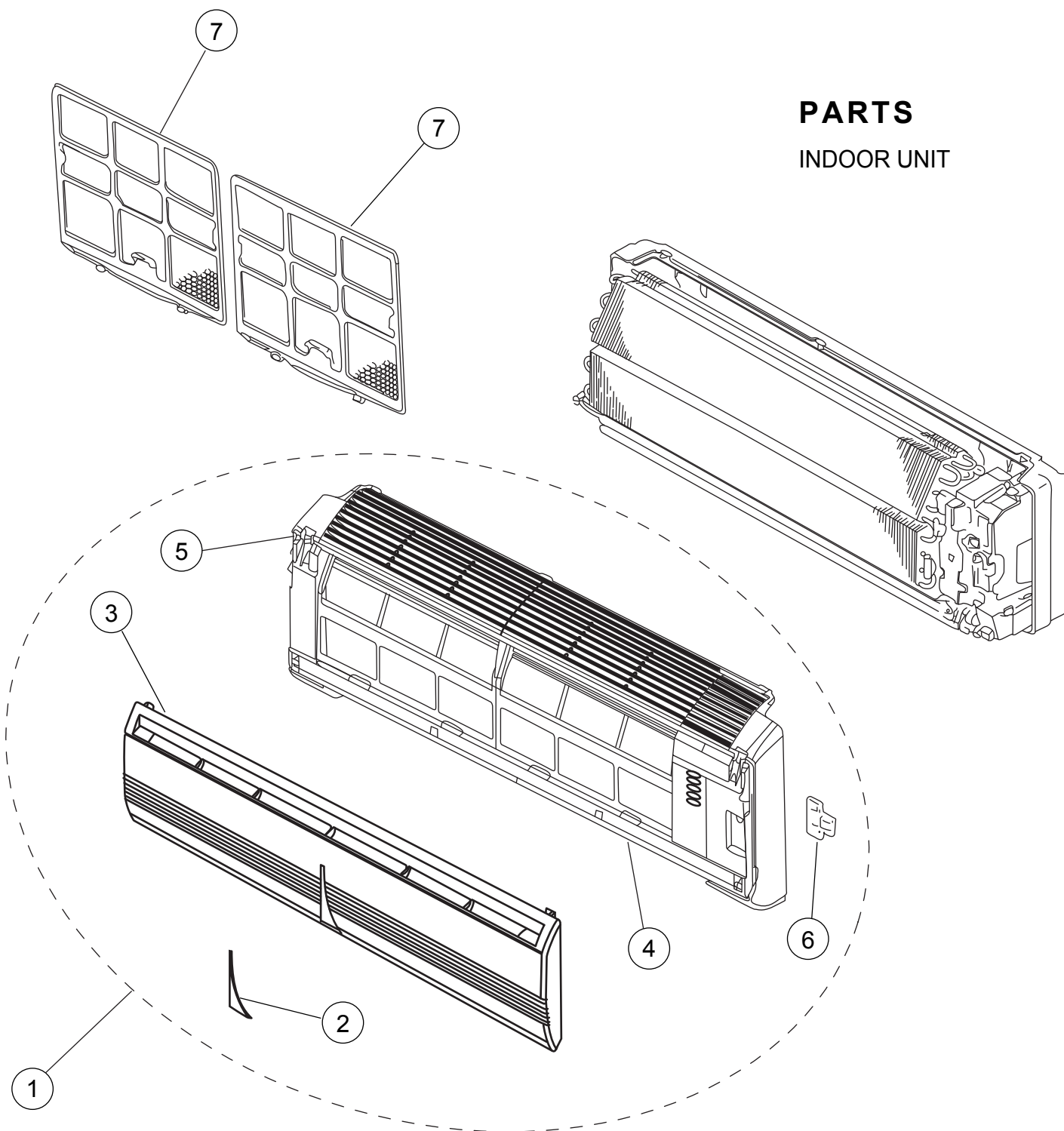
LED indication		Error contents
Operation lamp (Red)	Timer lamp (Green)	
○	● (2 times)	thermistor error (room temp.)
○	● (3 times)	thermistor error (heat exchanger)
○	● (2 times)	MANUAL AUTO button error
○	● (4 times)	power source Hz decision error
○	● (2 times)	lock error
○	● (3 times)	rpm error

● : 0.5s on/off repeated

○ : 0.1s on/off repeated

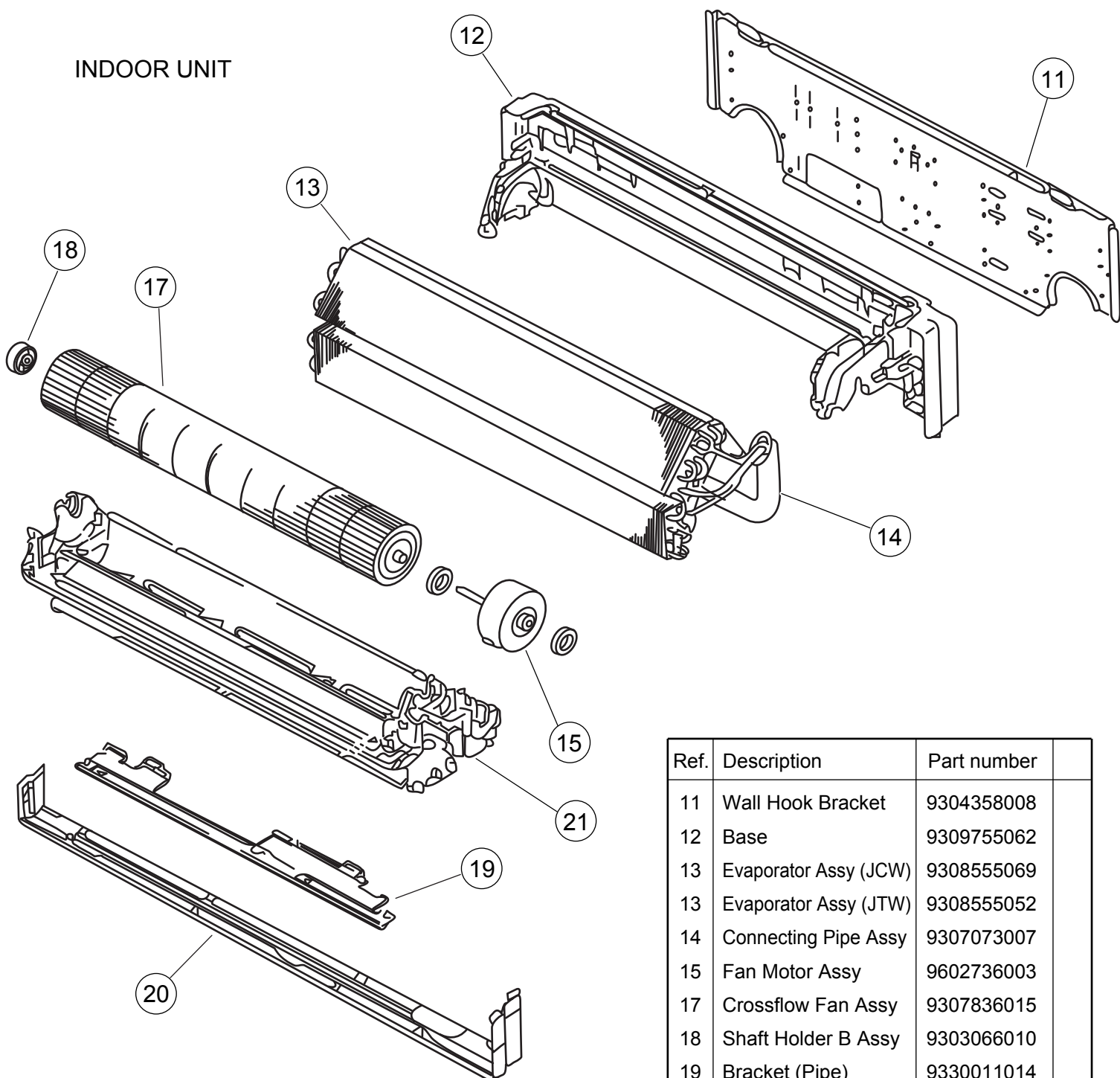
PARTS

INDOOR UNIT



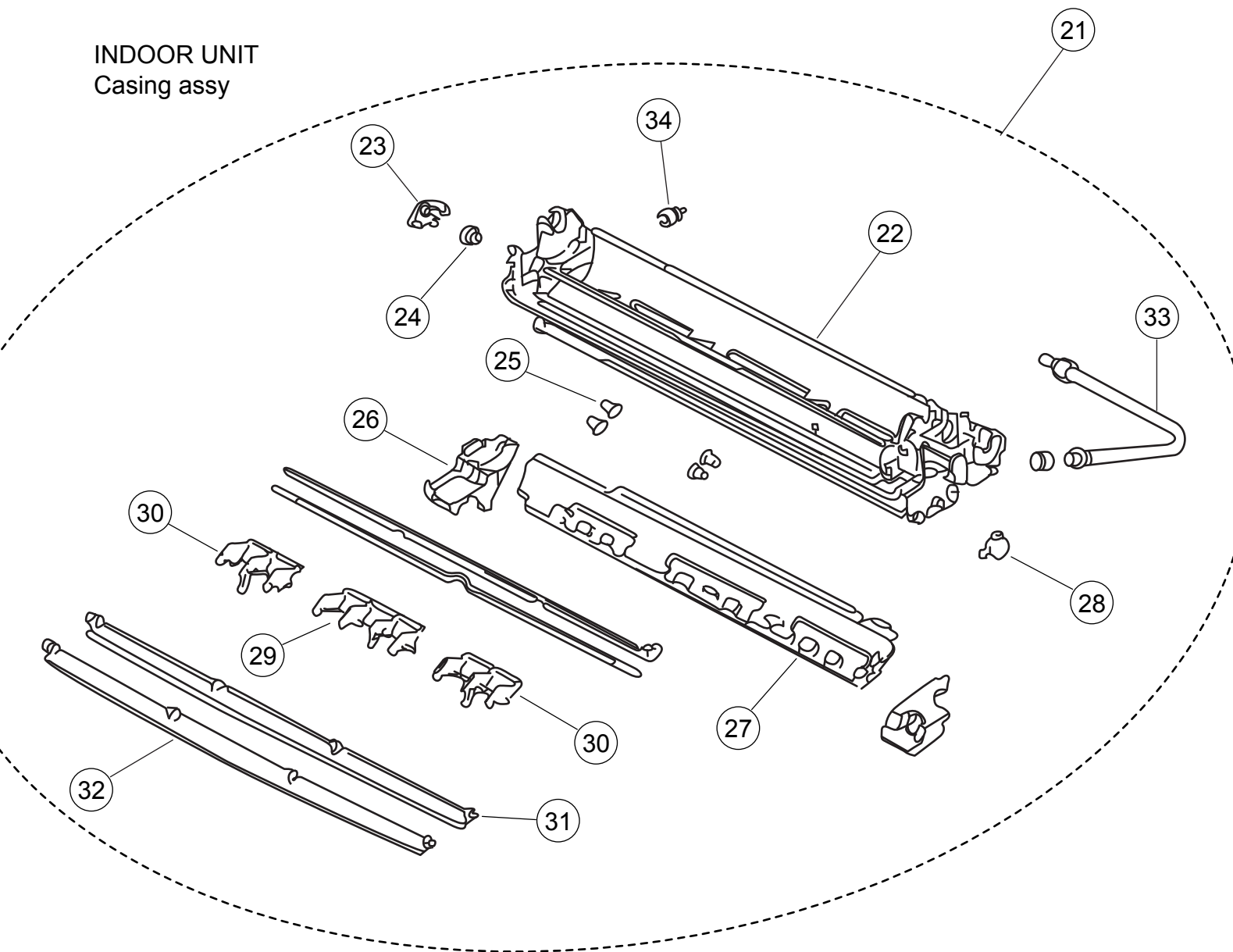
Ref.	Description	Part number
1	Front Panel Total Assy	9312417018
2	Face Panel (Front) A	9330005044
3	Intake Grille A	9330001015
4	Front Panel	9330000025
5	Clamper (Grille)	9306755010
6	Window (Receiver)	9330003019
7	Air Filter	9305444014
8	Remote Control	9312058020

INDOOR UNIT



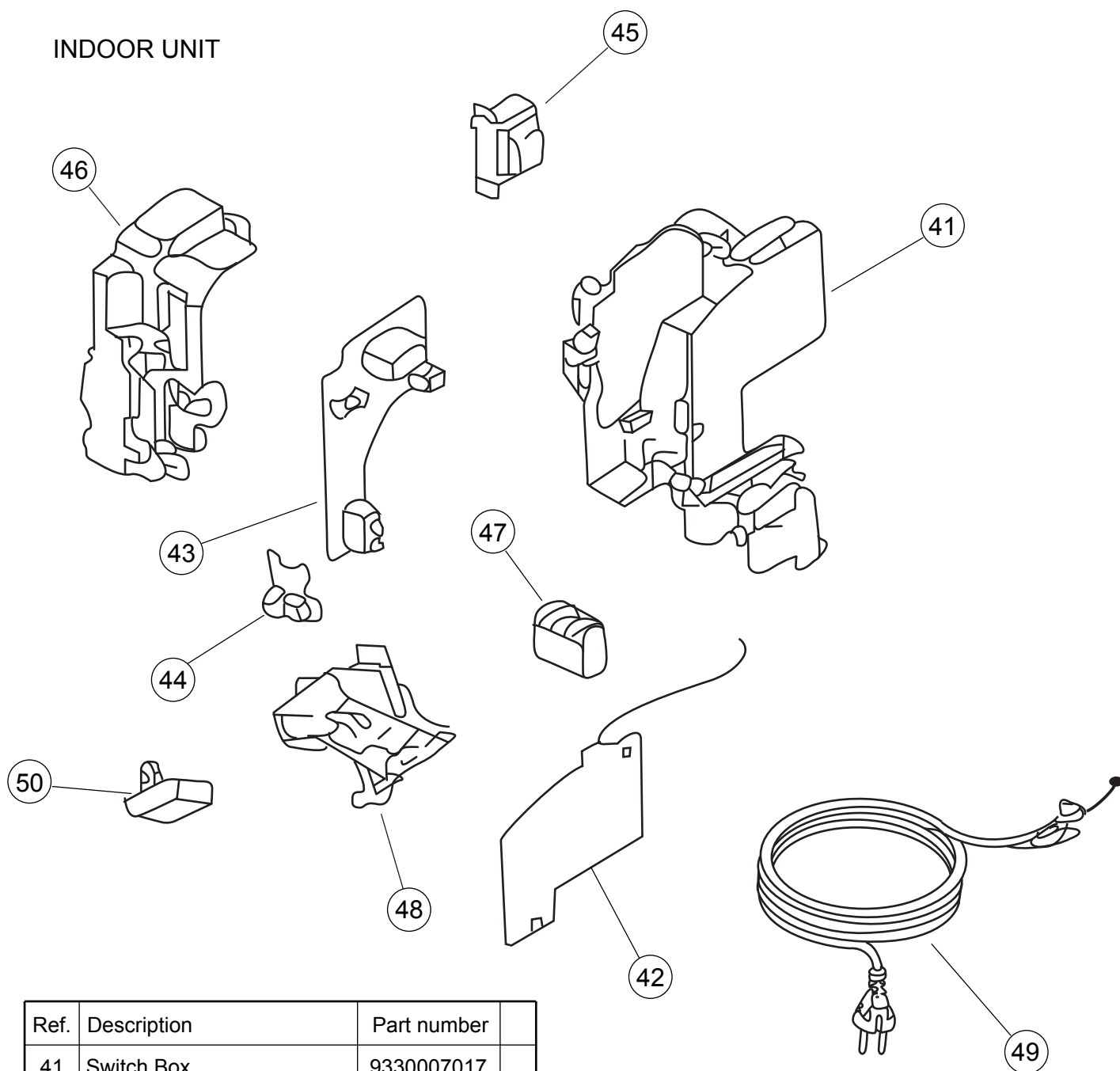
Ref.	Description	Part number
11	Wall Hook Bracket	9304358008
12	Base	9309755062
13	Evaporator Assy (JCW)	9308555069
13	Evaporator Assy (JTW)	9308555052
14	Connecting Pipe Assy	9307073007
15	Fan Motor Assy	9602736003
17	Crossflow Fan Assy	9307836015
18	Shaft Holder B Assy	9303066010
19	Bracket (Pipe)	9330011014
20	Lower Cover	9330004016
21	Casing Assy (JCW)	9312173013
21	Casing Assy (JTW)	9312173167

INDOOR UNIT
Casing assy



Ref.	Description	Part number
21	Casing Assy (JCW)	9312173013
21	Casing Assy (JTW)	9312173167
22	Casing (JCW)	9306052027
22	Casing (JTW)	9306052065
23	Gear Bracet (JCW)	9306407001
23	Gear Bracet (JTW)	9306407018
24	Gear A	9306062002
25	Bushing A	9303529010
26	Casing Cover LR	9306064006
27	Casing Cover B	9306121006
28	Step Motor	9900139018
29	Louver A	9306055028
30	Louver B	9306056025
31	Louver Z	9306058043
32	Louver U	9306057046
33	Drain Hose Assy (JCW)	9305550029
33	Drain Hose Assy (JTW)	9313577018
34	Drain Cap	9304150008
--	Casing Cover F	9306066000

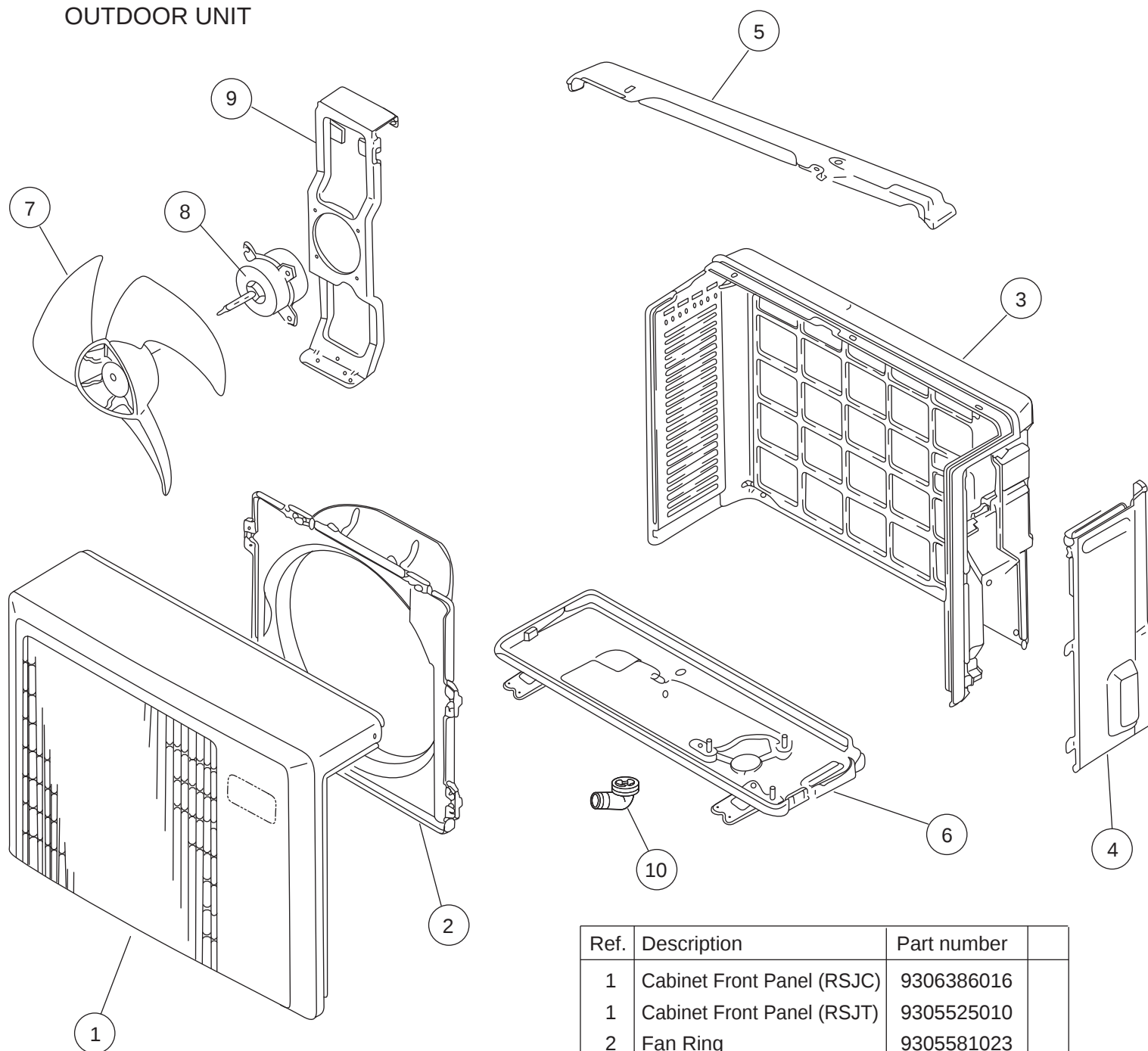
INDOOR UNIT



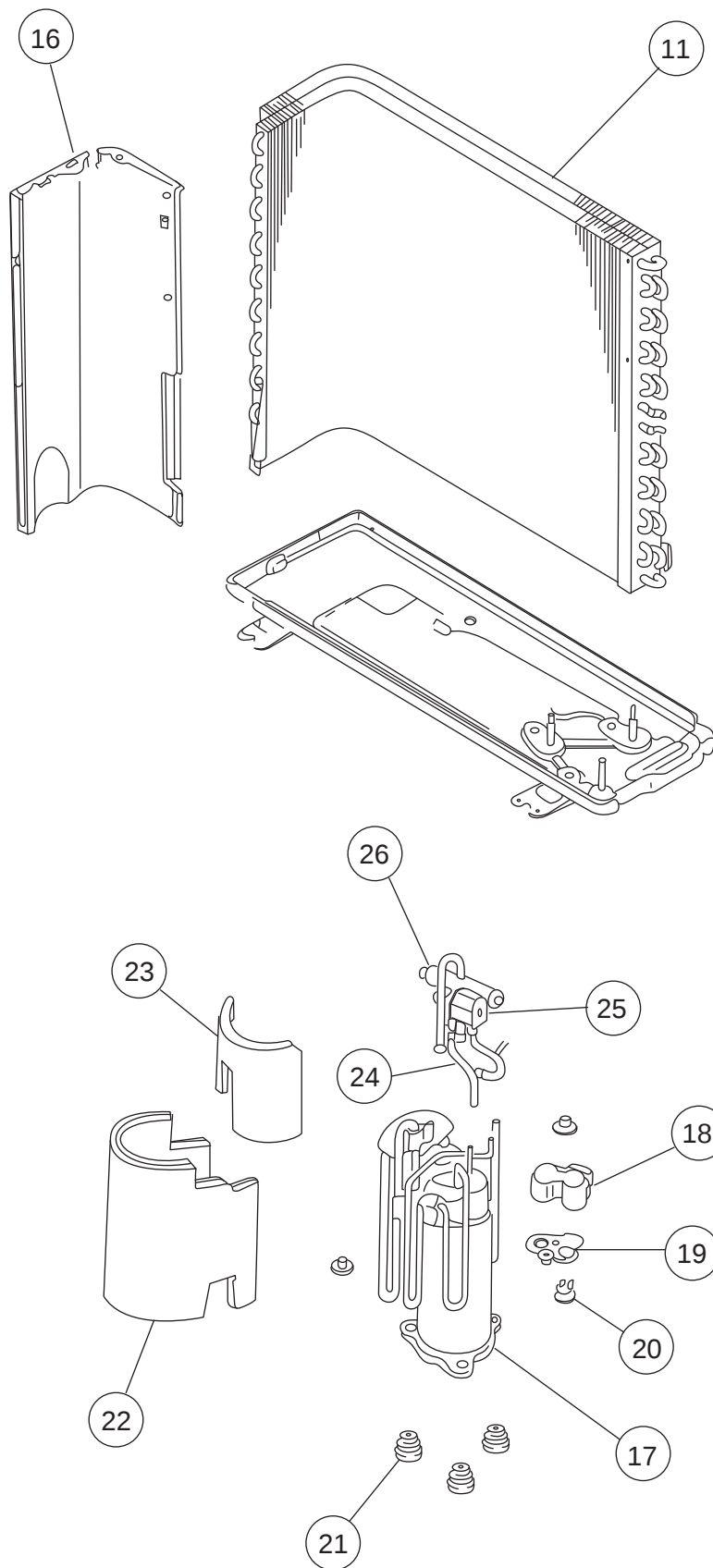
Ref.	Description	Part number	
41	Switch Box	9330007017	
42	Controller PCB Assy (JCW)	9706046237	
42	Controller PCB Assy (JTW)	9706046091	
43	PCB (Power & Indicator) (JCW)	9706039031	
43	PCB (Power & Indicator) (JTW)	9706039017	
44	Lamp Cover	9330014015	
45	Power Transformer	9701803026	
46	Control Box Cover	9330008014	
47	Terminal	9900040048	
48	Indicator Case	9330009011	
49	Power Cord (JCW)	9702595043	
49	Power Cord (JTW)	9900300012	
50	Capacitor (Fan Motor) (JCW)	9900089061	
50	Capacitor (Fan Motor) (JTW)	9900271015	

PARTS

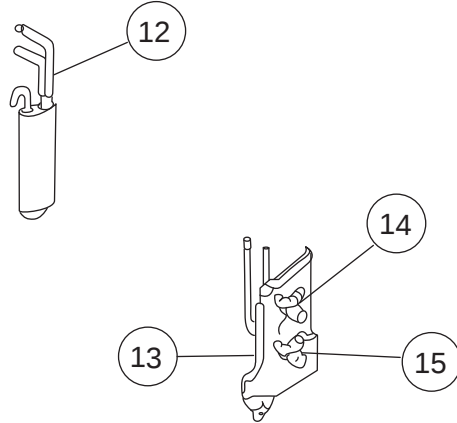
OUTDOOR UNIT



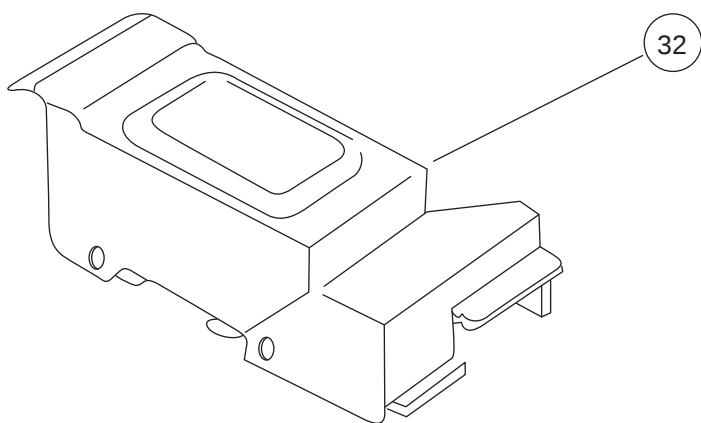
Ref.	Description	Part number	
1	Cabinet Front Panel (RSJC)	9306386016	
1	Cabinet Front Panel (RSJT)	9305525010	
2	Fan Ring	9305581023	
3	Cabinet Rear Panel (RSJC)	9306385019	
3	Cabinet Rear Panel (RSJT)	9305526017	
4	Connector Cover	9306119010	
5	Reinforcement	9306080013	
6	Base Assy	9306118020	
7	Propeller Fan	9305538003	
8	Fan Motor Assy (RSJC)	9602257010	
8	Fan Motor Assy (RSJT)	9602052011	
9	Bracket (Motor)	9305536016	
10	Drain Assy	9303029015	
--	Emblem Rear	9306337001	



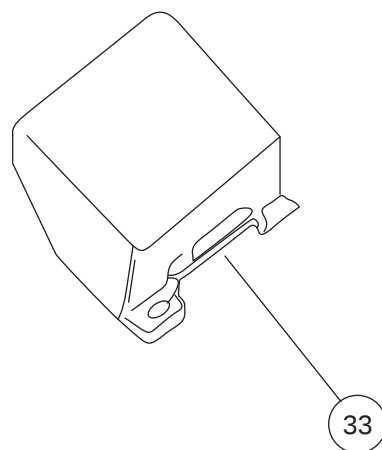
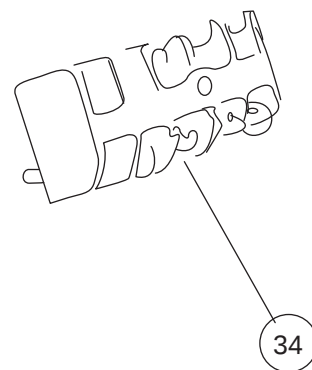
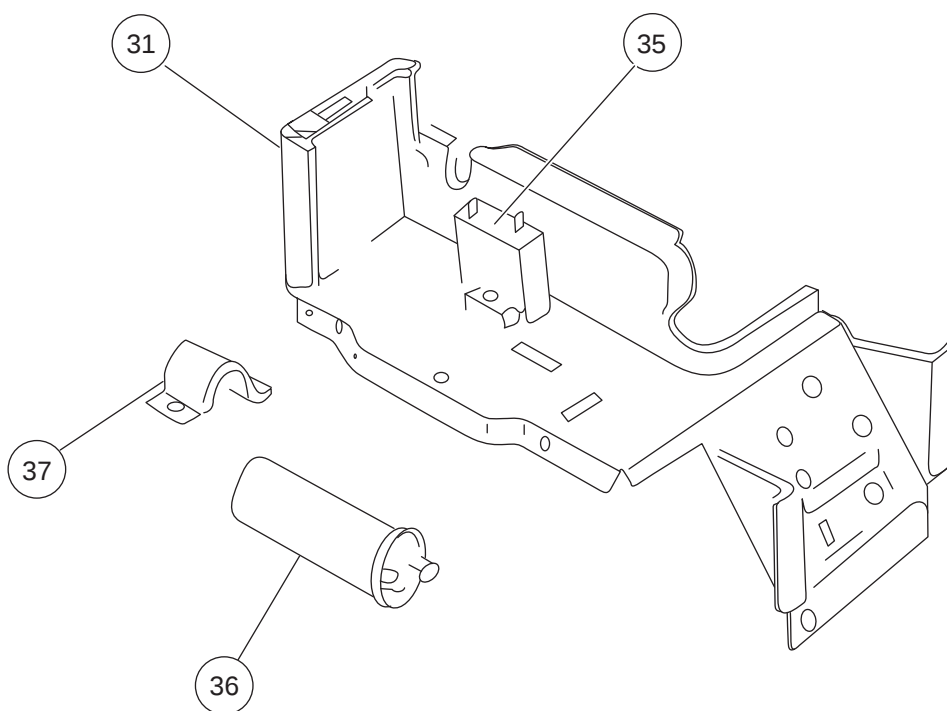
OUTDOOR UNIT



Ref.	Description	Part number	
11	Condenser Assy (RSJC)	9306179007	
11	Condenser Assy (RSJT)	9314259012	
12	Capillary Assy	9330032019	
13	Bracket (Valve)	9306748012	
14	2-Way Valve (RSJC)	9311533016	
14	2-Way Valve (RSJT)	9308300003	
15	3-Way Valve (RSJC)	9311535010	
15	3-Way Valve (RSJT)	9308308009	
16	Separate Wall	9305971008	
17	Compressor Assy (RSJC)	9310712023	
17	Compressor Assy (RSJT)	9306496005	
18	Terminal Cover (RSJC)	9307090004	
18	Terminal Cover (RSJT)	9351120009	
19	Terminal Gasket (RSJC)	9307089008	
19	Terminal Gasket (RSJT)	9351121006	
20	Overload Relay	9352453007	
21	Rubber Seat A (RSJC)	9307092008	
21	Rubber Seat A (RSJT)	9351813017	
22	Noise Insulation F	9306424008	
23	Noise Insulation G	9314980015	
24	Coupling Pipe C	9308022004	
25	Solenoid Coil	9970003011	
26	4-Way Valve	9900162016	
--	Coupling Pipe Assy	9306400002	
--	Suction Pipe	9308036001	
--	Discharge Pipe	9307035012	

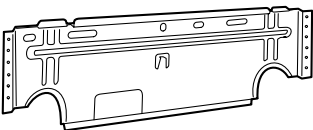
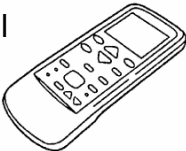
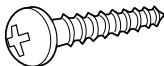
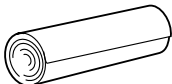
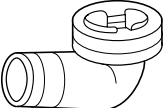


OUTDOOR UNIT



Ref.	Description	Part number	
31	Control Box	9305972005	
32	Control Box Cover A	9306079024	
33	Control Box Cover B	9305975006	
34	Terminal 4P (RSJC)	9900370015	
34	Terminal 4P (RSJT)	9306488017	
35	Capacitor (Fan Motor) (RSJC)	9900089030	
35	Capacitor (Fan Motor) (RSJT)	9700270032	
36	Capacitor (Running) (RSJC)	9307588013	
36	Capacitor (Running) (RSJT)	9900269029	
37	Clamp Metal (Capacitor)	313468061808	

ACCESSORIES

Name and Shape	Part number
Wall hook bracket 	9304358008
Remote control 	9312058020
Battery (penlight) 	0600185534
Tapping screw (Ø4 x 25) 	0700076046
Cloth tape 	9308117007
Drain pipe (Including drain packing) 	9303029015
Seal A 	9304536000

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