

SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE

SERVICE MANUAL

Indoor unit	Outdoor unit
ASY9RSJCW	AOY9RSJC
ASY9RSJTW	AOY9RSJT

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SPECIFICATIONS

ELECTRICAL DATA

INDOOR UNIT		ASY9RSJCW ASY9RSJTW
OUTDOOR UNIT		AOY9RSJC AOY9RSJT
TYPE		Cooling & Heating
COOLING CAPACITY		2.50 kW
HEATING CAPACITY		2.95 kW
POWER SOURCE		230V 50Hz
RUNNING CURRENT	Cool	4.8 A
	Heat	4.3 A
INPUT WATTS	Cool	1.00 kW
	Heat	0.86 kW
E.E.R.	Cool	2.50 kW/kW
	Heat	3.43 kW/kW
MOISTURE REMOVAL		1.3 L/hr
AIR CIRCULATION HIGH	Cool	540 m3/hr
	Heat	515 m3/hr

FAN MOTOR

POWER SOURCE		230 V
INDOOR UNIT	High speed	Cool 1310 Heat 1250 r.p.m.
	Middle speed	Cool 1170 Heat 1140 r.p.m.
	Low speed	Cool 1030 Heat 1020 r.p.m.
	Quiet	Cool 900 Heat 900 r.p.m.
OUTDOOR UNIT		800 r.p.m.

NOISE LEVEL

INDOOR UNIT	High speed	Cool 39 dB / Heat 37 dB
	Middle speed	Cool 35 dB / Heat 34 dB
	Low speed	Cool 33 dB / Heat 31 dB
	Super quiet	Cool 29 dB / Heat 27 dB
OUTDOOR UNIT		Cool 46 dB / Heat 46 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	28 kg / 25 kg

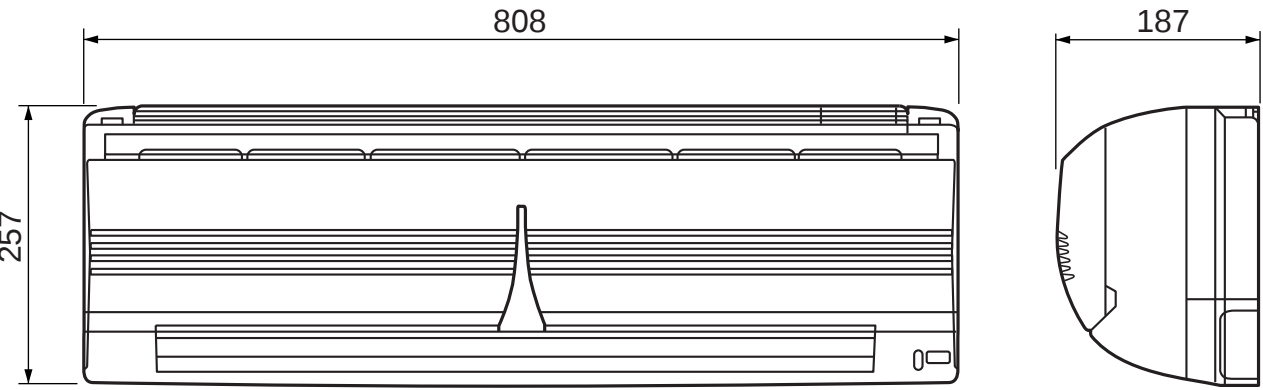
COMPRESSOR

TYPE		Hermetic type, Permanet split condenser, 2 pole, Single phase, Induction motor
POWER SOURCE		220, 230, 240V / 50Hz
DISCRIMINATION		80603745
WEIGHT (with oil)		9.9 kg
REFRIGERANT		650 g
REFRIGERANT TYPE		R-22
FULL CHARGE	Pipe length 7.5m	650 g
	10m	690 g
ADDITIONAL CHARGE		16 g/m

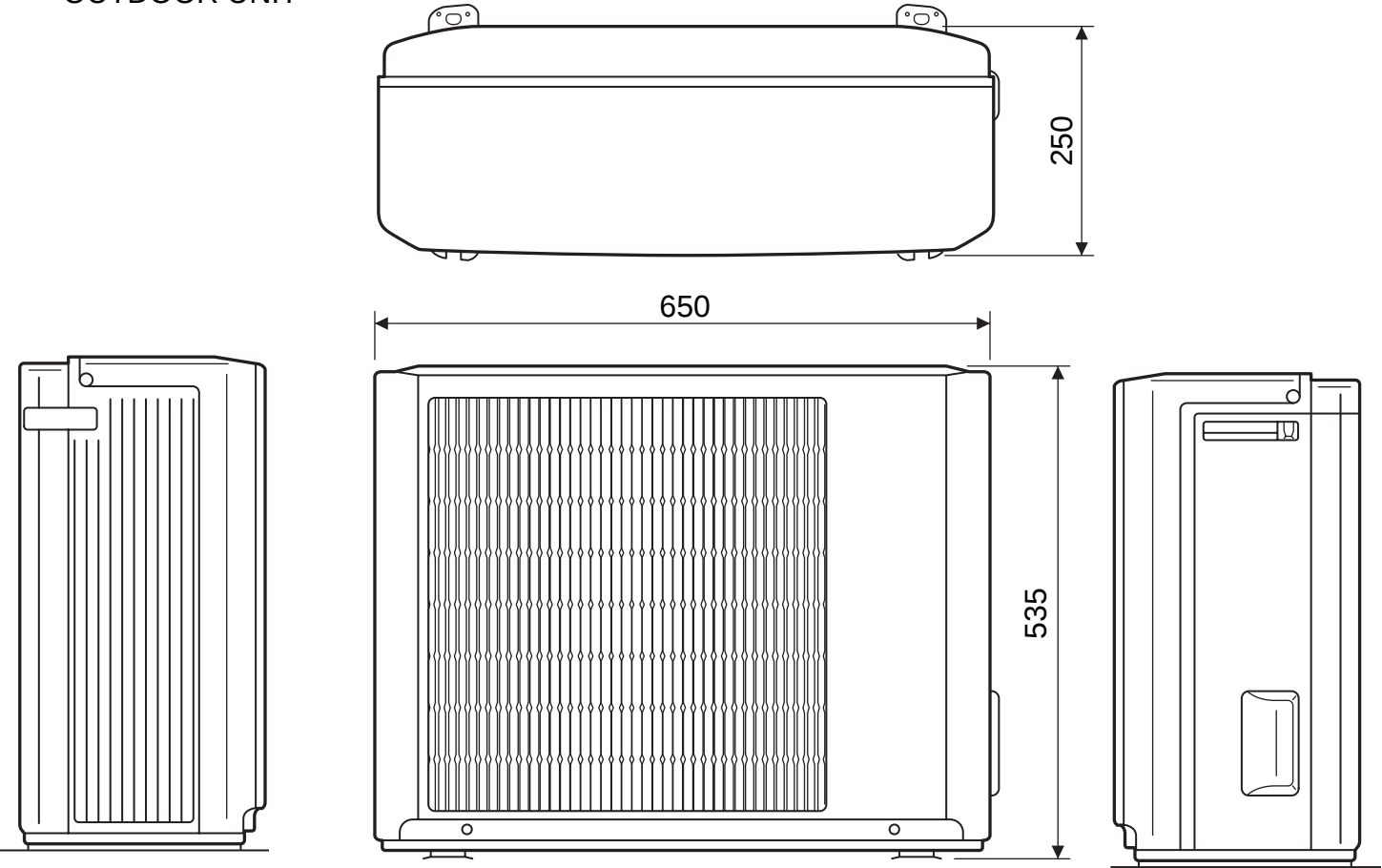
DIMENSIONS

Unit : mm

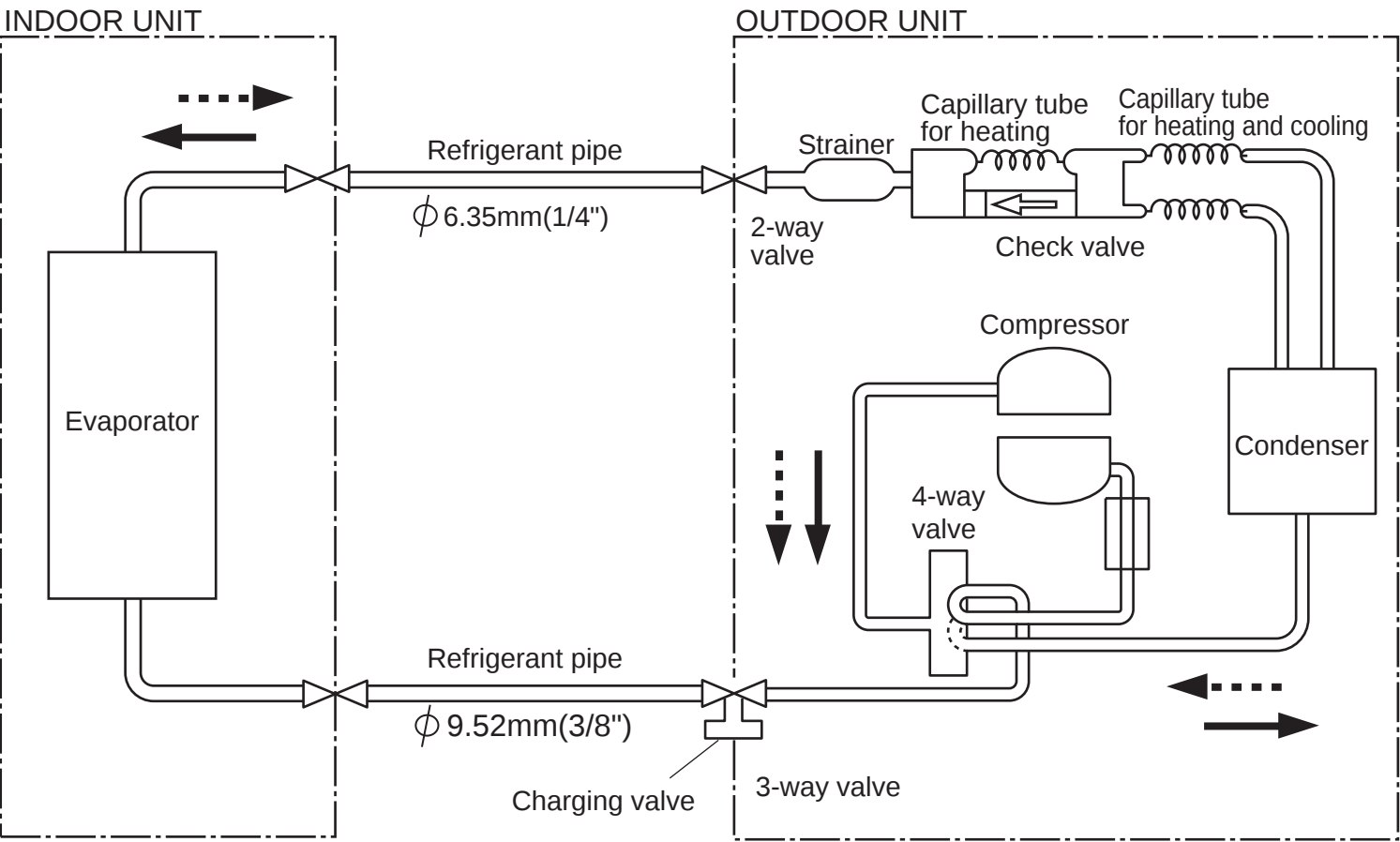
INDOOR UNIT



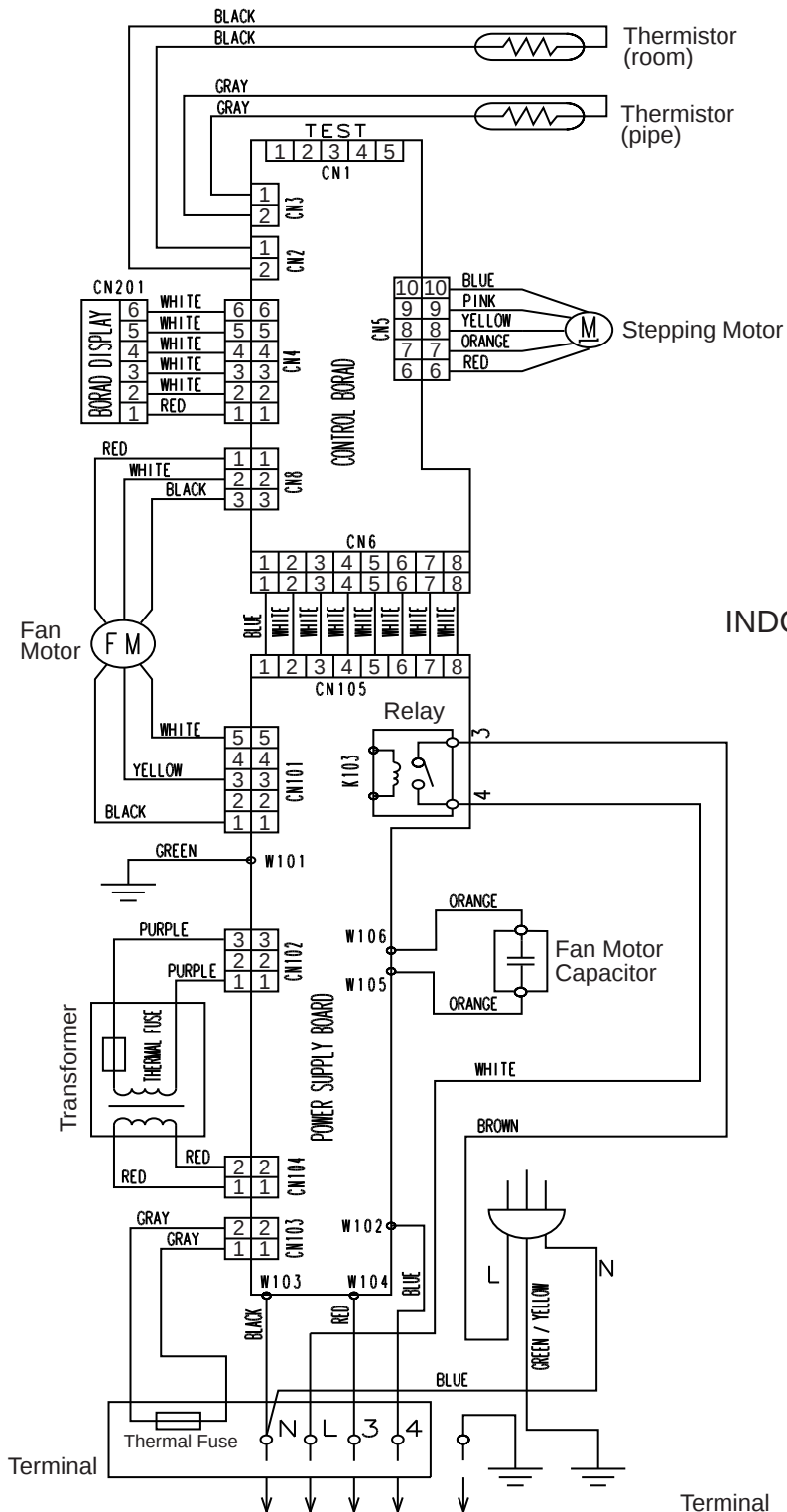
OUTDOOR UNIT



REFRIGERANT SYSTEM DIAGRAM

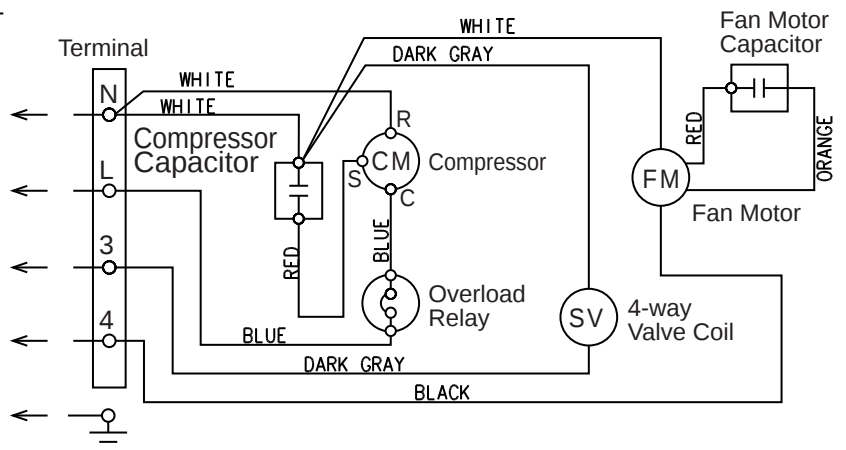


CIRCUIT DIAGRAM

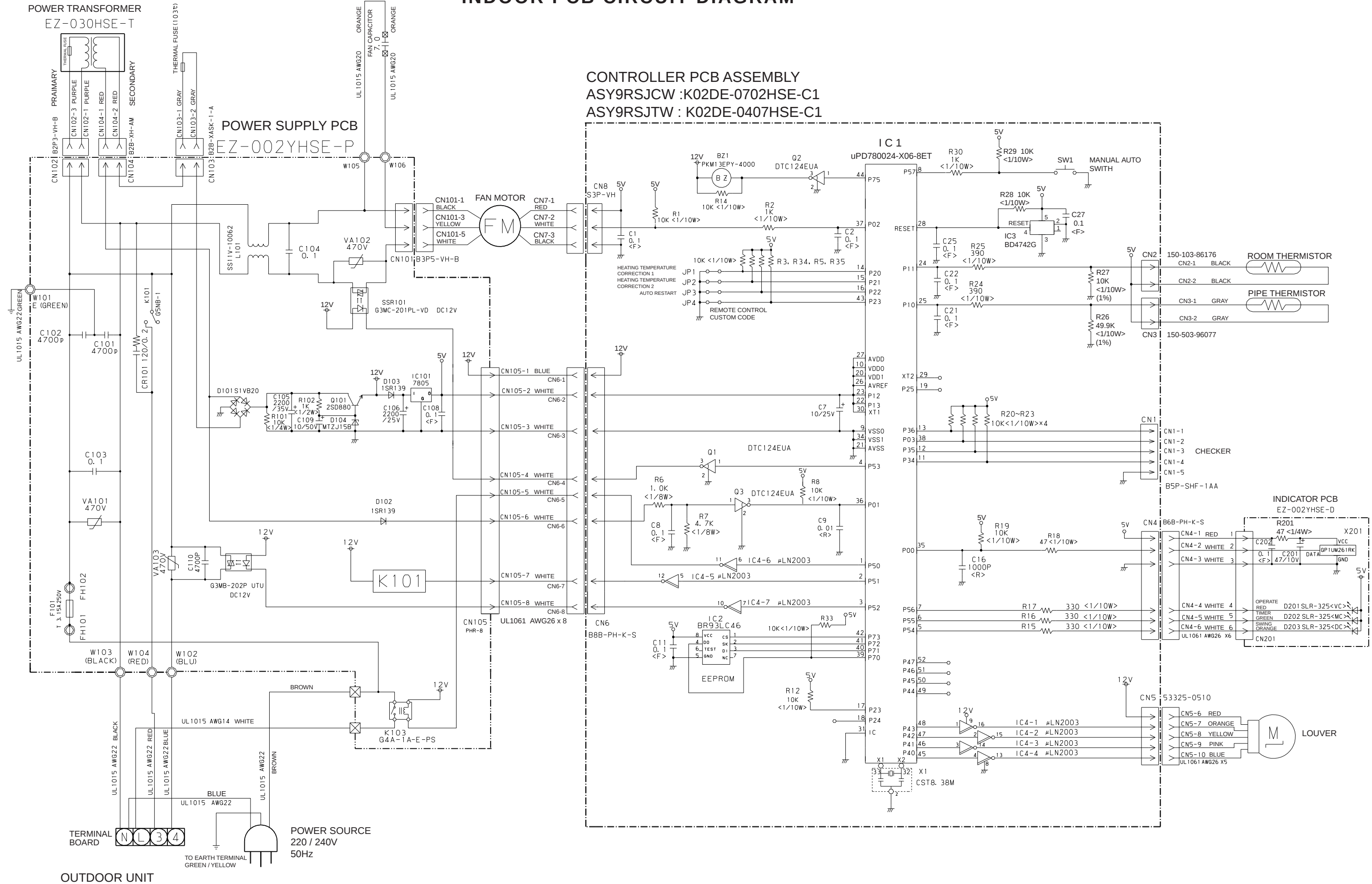


INDOOR UNIT

OUTDOOR UNIT



INDOOR PCB CIRCUIT DIAGRAM



ERROR DISPLAY

Large division indication

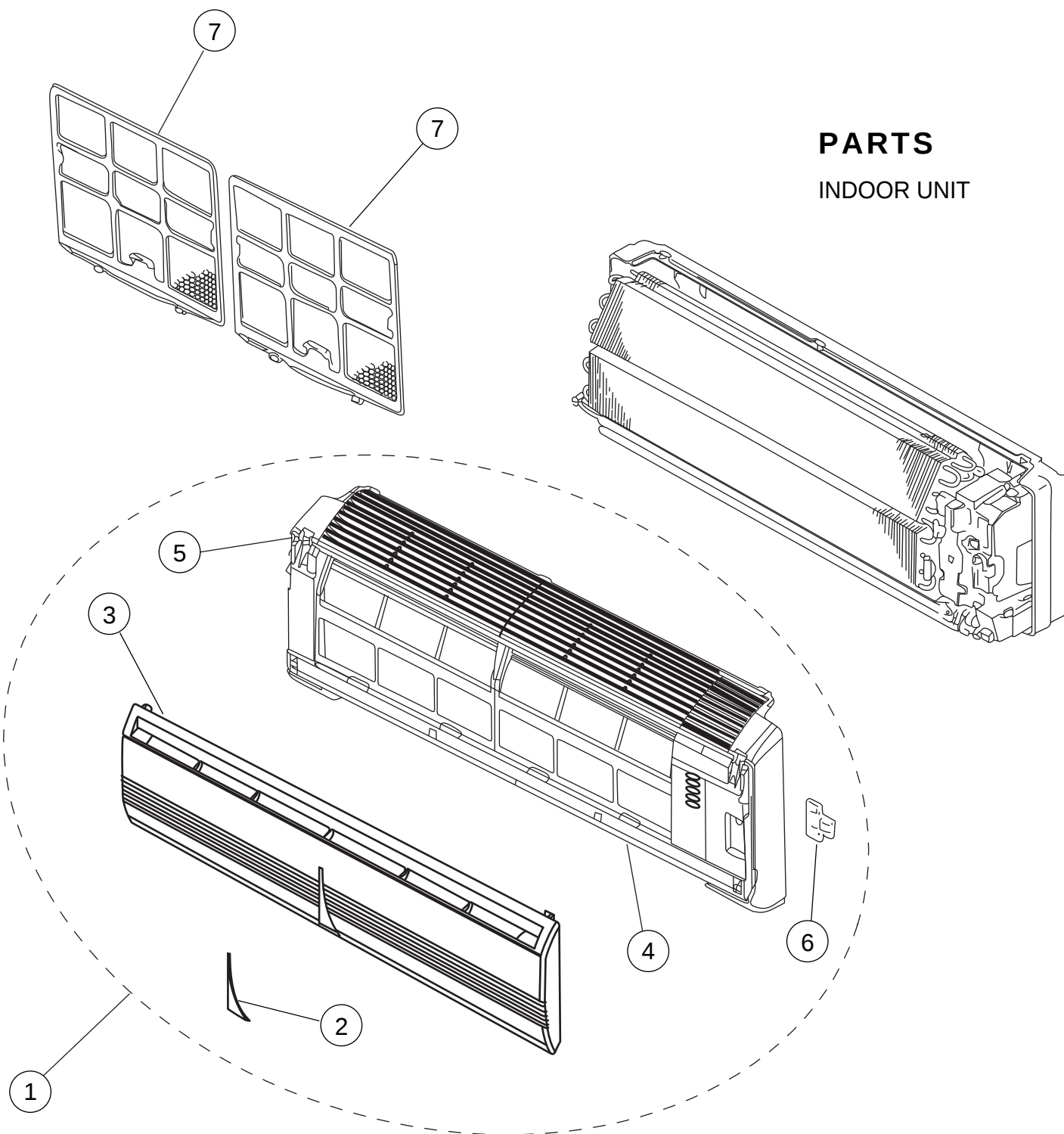
LED indication		Error contents
Operation lamp (Red)	Timer lamp (Green)	
● (2 times)	○	thermistor error
● (4 times)	○	control unit error (indoor unit)
● (6 times)	○	fan motor error (indoor unit)

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

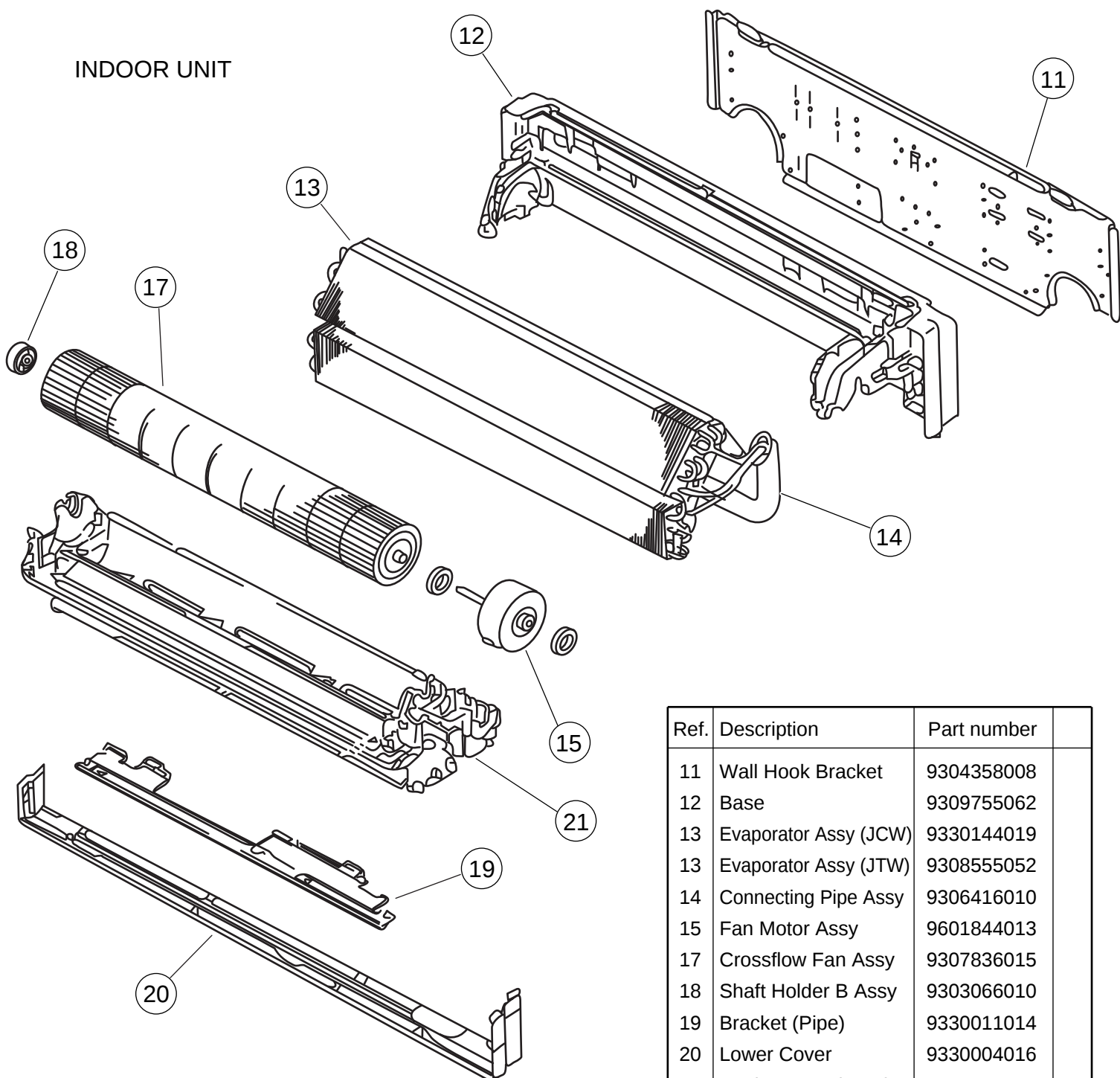


PARTS

INDOOR UNIT

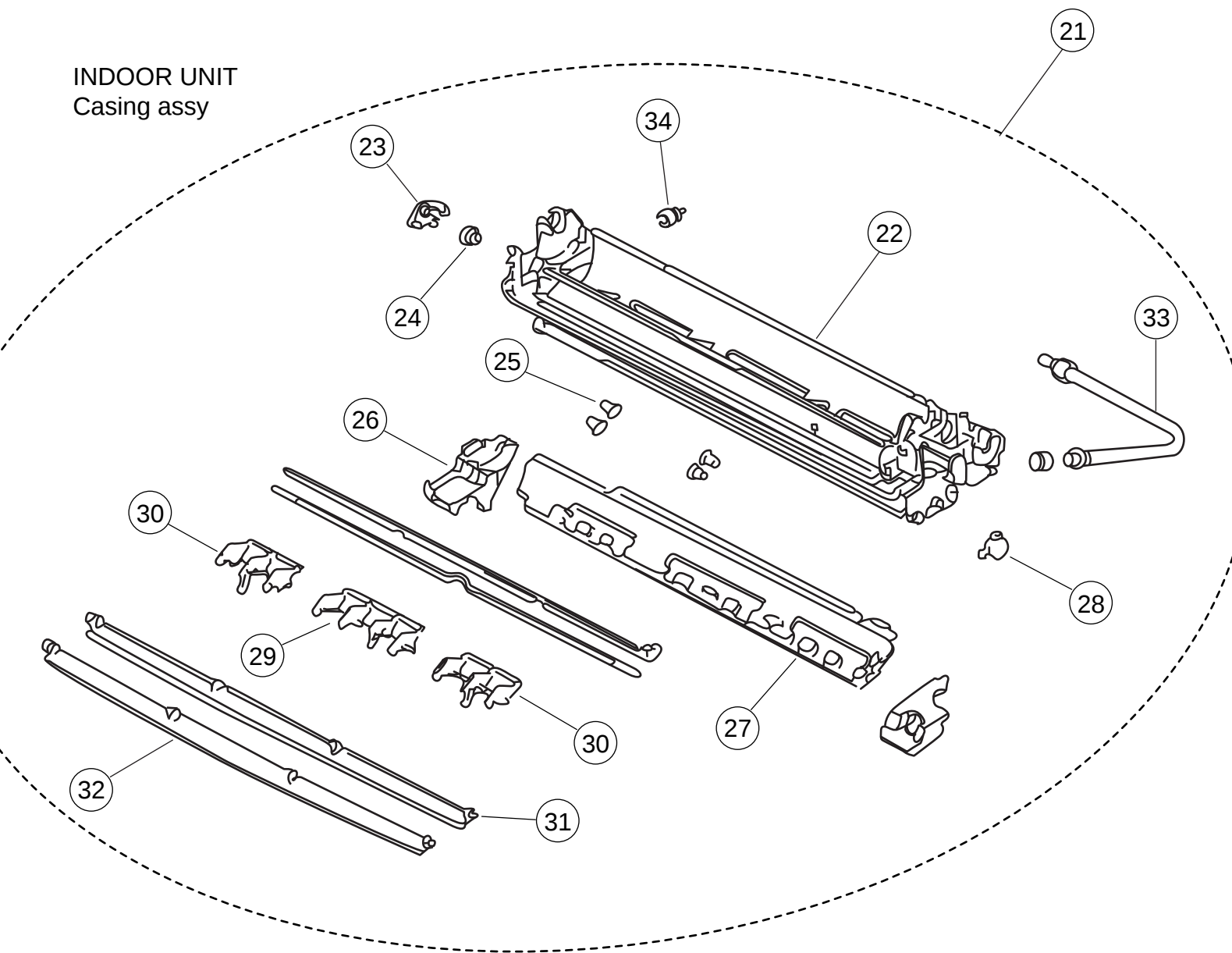
Ref.	Description	Part number
1	Front Panel Total Assy	9312417025
2	Face Panel (Front)-A	9330005044
3	Intake Grille A	9330001015
4	Front Panel	9330000025
5	Clamber (Grille)	9306755010
6	Window (Receiver)	9330003019
7	Air Filter	9305444014
8	Remote Control	9312058020

INDOOR UNIT



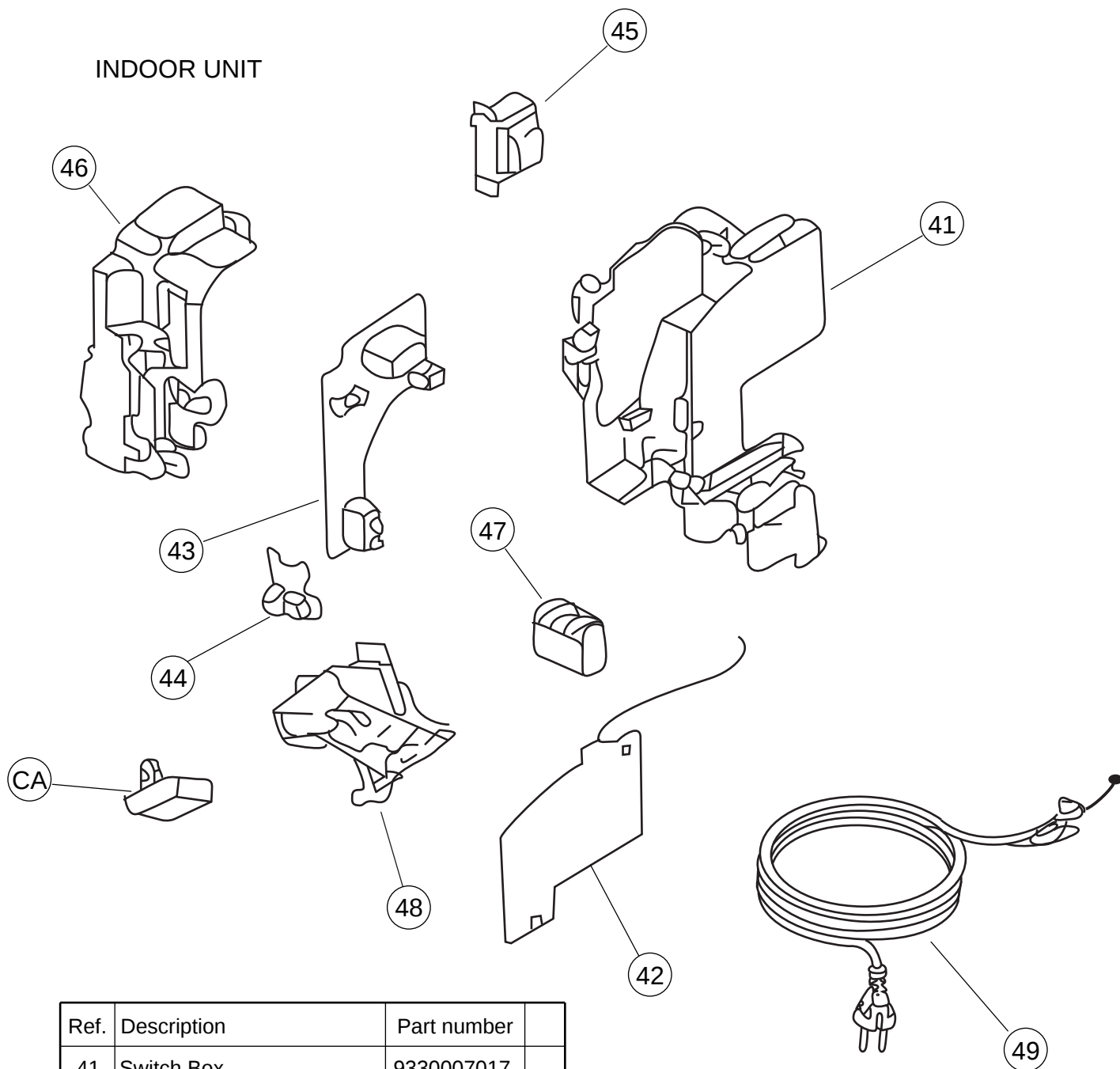
Ref.	Description	Part number	
11	Wall Hook Bracket	9304358008	
12	Base	9309755062	
13	Evaporator Assy (JCW)	9330144019	
13	Evaporator Assy (JTW)	9308555052	
14	Connecting Pipe Assy	9306416010	
15	Fan Motor Assy	9601844013	
17	Crossflow Fan Assy	9307836015	
18	Shaft Holder B Assy	9303066010	
19	Bracket (Pipe)	9330011014	
20	Lower Cover	9330004016	
21	Casing Assy (JCW)	9312173020	
21	Casing Assy (JTW)	9312173105	

INDOOR UNIT
Casing assy



Ref.	Description	Part number	
21	Casing Assy (JCW)	9312173020	
21	Casing Assy (JTW)	9312173105	
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	

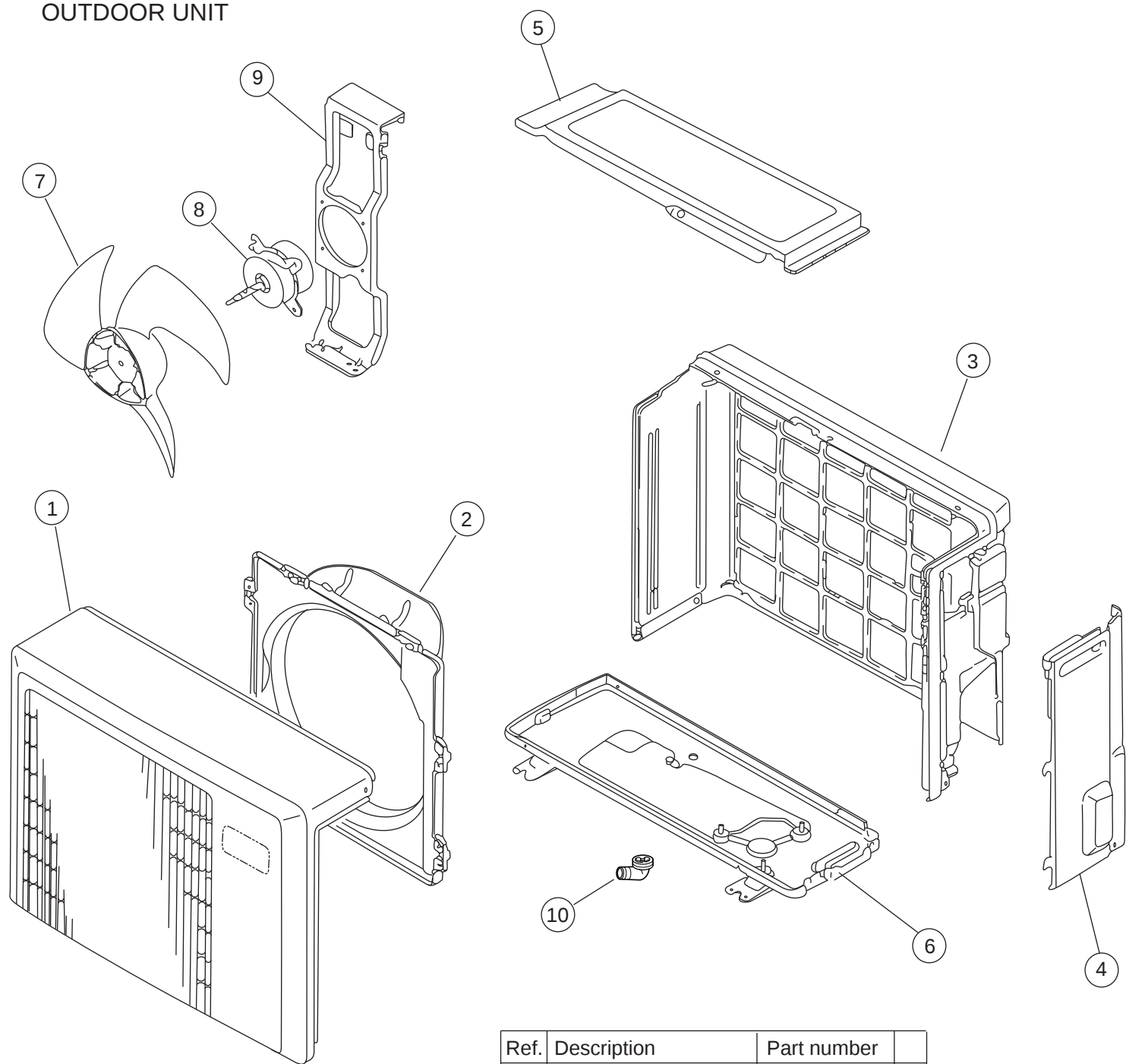
INDOOR UNIT



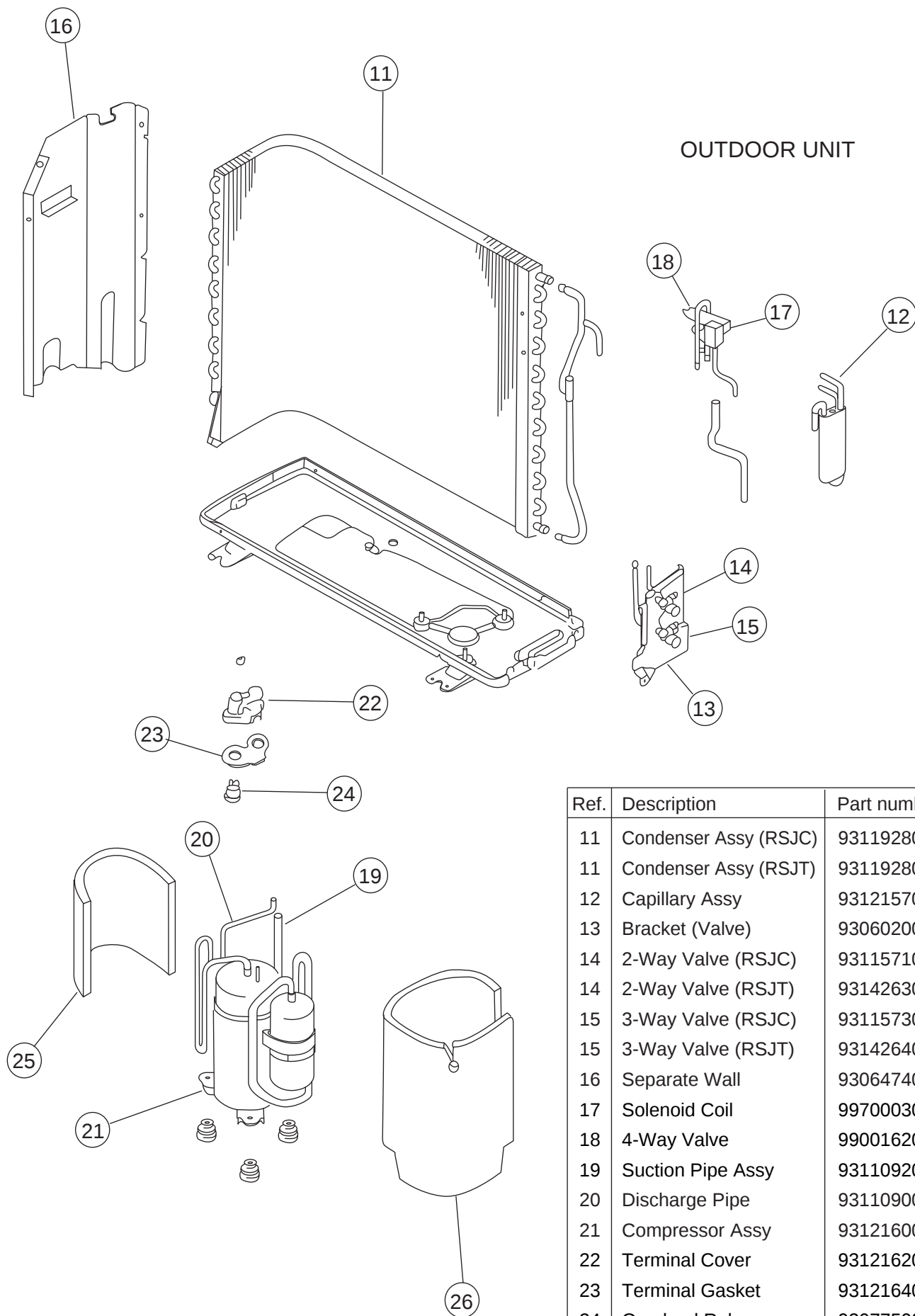
Ref.	Description	Part number	
41	Switch Box	9330007017	
42	Controller PCB Assy (JCW)	9706046220	
42	Controller PCB Assy (JTW)	9706046084	
43	PCB (Power & Indicator) (JCW)	9706039031	
43	PCB (Power & Indicator) (JTW)	9706039017	
44	Lamp Cover	9330014015	
45	Power Transformer	9701803026	
46	Control Box 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

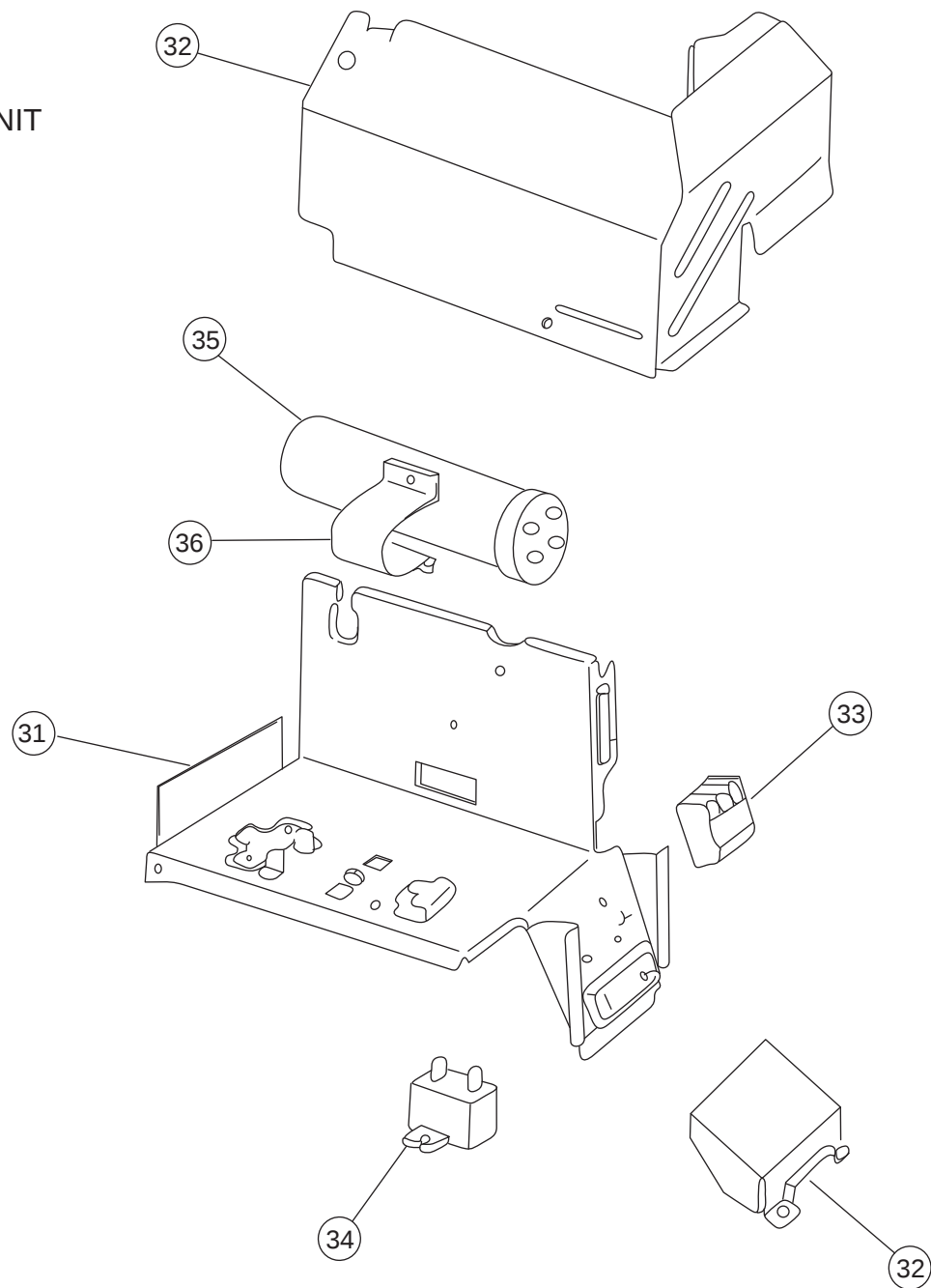


Ref.	Description	Part number
1	Cabinet Front Panel	9306016012
2	Fan Ring	9306019020
3	Cabinet Rear Panel	9306017019
4	Connector Cover	9306018016
5	Reinforcement Plate	9306473006
6	Base Assy	9304806066
7	Propeller Fan (RSJC)	9306565015
7	Propeller Fan (RSJT)	9308768001
8	Fan Motor Assy	9601371014
9	Bracket (Motor)	9306021016
10	Drain Assy	9303029015
--	Emblem Rear	9306337001



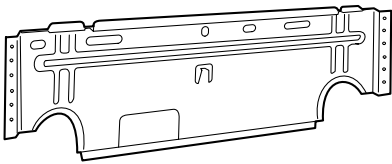
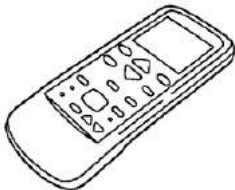
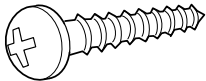
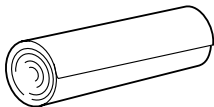
Ref.	Description	Part number
11	Condenser Assy (RSJC)	9311928010
11	Condenser Assy (RSJT)	9311928027
12	Capillary Assy	9312157013
13	Bracket (Valve)	9306020026
14	2-Way Valve (RSJC)	9311571018
14	2-Way Valve (RSJT)	9314263019
15	3-Way Valve (RSJC)	9311573012
15	3-Way Valve (RSJT)	9314264016
16	Separate Wall	9306474003
17	Solenoid Coil	9970003011
18	4-Way Valve	9900162016
19	Suction Pipe Assy	9311092001
20	Discharge Pipe	9311090007
21	Compressor Assy	9312160013
22	Terminal Cover	9312162000
23	Terminal Gasket	9312164004
24	Overload Relay	9307750007
25	Noise Insulation A	9311107002
26	Noise Insulation B	9311106005
--	Coupling Pipe Assy	9306400002

OUTDOOR UNIT



Ref.	Description	Part number	
31	Control Box	9306475024	
32	Control Box Cover	9306476007	
32	Control Box Cover B	9305975006	
33	Terminal (RSJC)	9900370015	
33	Terminal (RSJT)	9306488017	
34	Capacitor (Fan Motor) (RSJC)	9900089023	
34	Capacitor (Fan Motor) (RSJT)	9900270025	
35	Capacitor (Running) (RSJC)	9307588013	
35	Capacitor (Running) (RSJT)	9900269029	
36	Clamp (Capacitor)	313468061808	

ACCESSORIES

Name and Shape	Part number
Wall hook bracket 	9304358008
Remote control 	9312058020
Battery (penlight) 	0600185534
Tapping screw ($\varnothing$ 4 x 25) 	0700076046
Cloth tape 	9308117007