

SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE



SERVICE MANUAL



Indoor unit	Outdoor unit
ASYG07LLCE	AOYG07LLCE
ASYG09LLCE	AOYG09LLCE

CONTENTS

SPECIFICATIONS.....	1
DIMENSIONS.....	2
REFRIGERANT SYSTEM DIAGRAM....	4
CIRCUIT DIAGRAM.....	5
PCB CIRCUIT DIAGRAM.....	6
ERROR DETECTION.....	8
PARTS (INDOOR UNIT).....	9
PARTS (OUTDOOR UNIT).....	13
ACCESSORIES.....	16

FUJITSU GENERAL LIMITED

SPECIFICATIONS

ELECTRICAL DATA

INDOOR UNIT		ASYG07LLCE	ASYG09LLCE
OUTDOOR UNIT		AOYG07LLCE	AOYG09LLCE
POWER SOURCE		230 V 50 Hz	Single phase
Cooling	CAPACITY	2.00 kW	2.50 kW
	POWER CONSUMPTION	0.47 kW	0.73 kW
	EER	4.26 kW/kW	3.42 kW/kW
	RUNNING CURRENT	2.6 A	3.5 A
	MAXIMUM CURRENT	6.0 A	6.0 A
	MOISTURE REMOVAL	1.0 L/h	1.3 L/h
Heating	CAPACITY	2.70 kW	3.00 kW
	POWER CONSUMPTION	0.62 kW	0.74 kW
	COP	4.35 kW/kW	4.05 kW/kW
	RUNNING CURRENT	3.0 A	3.5 A
	MAXIMUM CURRENT	7.5 A	7.5 A

DIMENSIONS

INDOOR UNIT H x W x D	262 x 820 x 206 mm
OUTDOOR UNIT H x W x D	535 x 663 x 293 mm

WEIGHT

INDOOR UNIT Net / Shipping	7.0 kg / 9.0 kg
OUTDOOR UNIT Net / Shipping	24 kg / 27 kg

FAN MOTOR AND FAN REVOLUTION

INDOOR UNIT'S Discrimination		MFD-12BYW
OUTDOOR UNIT'S Discrimination		MFE-22AVAL
INDOOR UNIT Cooling	High	1,320 rpm
	Medium	1,120 rpm
	Low	840 rpm
	Quiet	700 rpm
INDOOR UNIT Heating	High	1,360 rpm
	Medium	1,120 rpm
	Low	900 rpm
	Quiet	700 rpm
OUTDOOR UNIT	Cooling	730 rpm
	Heating	650 rpm

AIRFLOW

INDOOR UNIT Cooling	High	720 m ³ /h
	Medium	600 m ³ /h
	Low	420 m ³ /h
	Quiet	325 m ³ /h
INDOOR UNIT Heating	High	740 m ³ /h
	Medium	600 m ³ /h
	Low	450 m ³ /h
	Quiet	325 m ³ /h
OUTDOOR UNIT	Cooling	1,670 m ³ /h
	Heating	1,470 m ³ /h

NOISE LEVEL

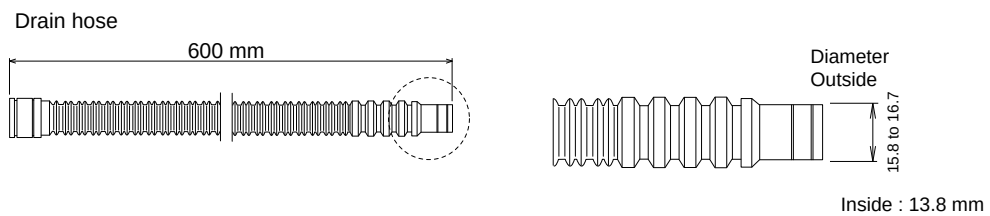
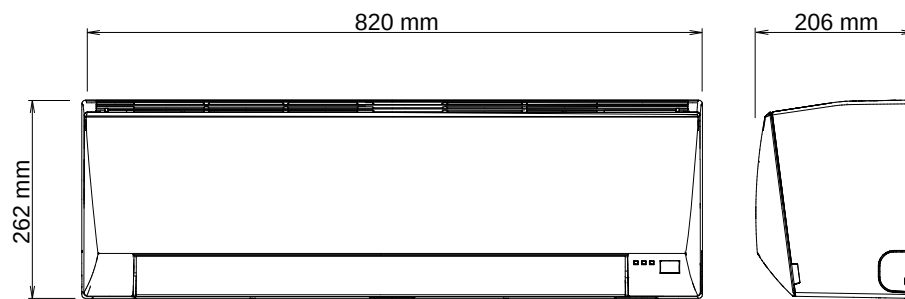
INDOOR UNIT Cooling	High	43 dB
	Medium	38 dB
	Low	33 dB
INDOOR UNIT Heating	Quiet	22 dB
	High	43 dB
	Medium	38 dB
	Low	33 dB
OUTDOOR UNIT	Quiet	22 dB
	Cooling	47 dB
OUTDOOR UNIT	Heating	48 dB

COMPRESSOR AND REFRIGERANT

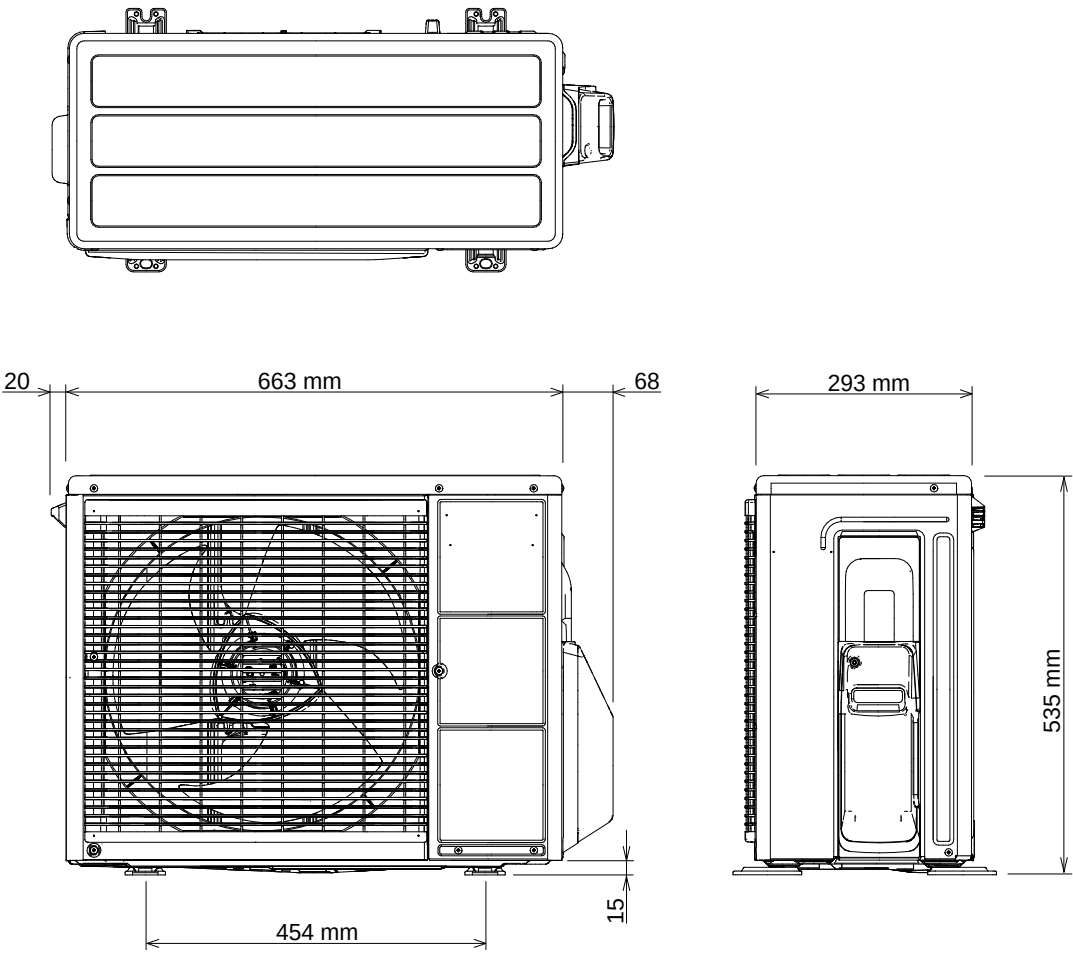
COMPRESSOR TYPE		Hermetic type, 4 pole, 3 phase, DC inverter motor, Rotary
DISCRIMINATION		ASM89D10UFZB
WEIGHT (with oil)		6.0 kg
PRECHARGED REFRIGERANT		650 g
REFRIGERANT TYPE		R410A
FULL CHARGE	Pipe length 15 m	650 g
	20 m	750 g
ADDITIONAL CHARGE		20 g/m
MAXIMUM PIPING HEIGHT		15 m

DIMENSIONS

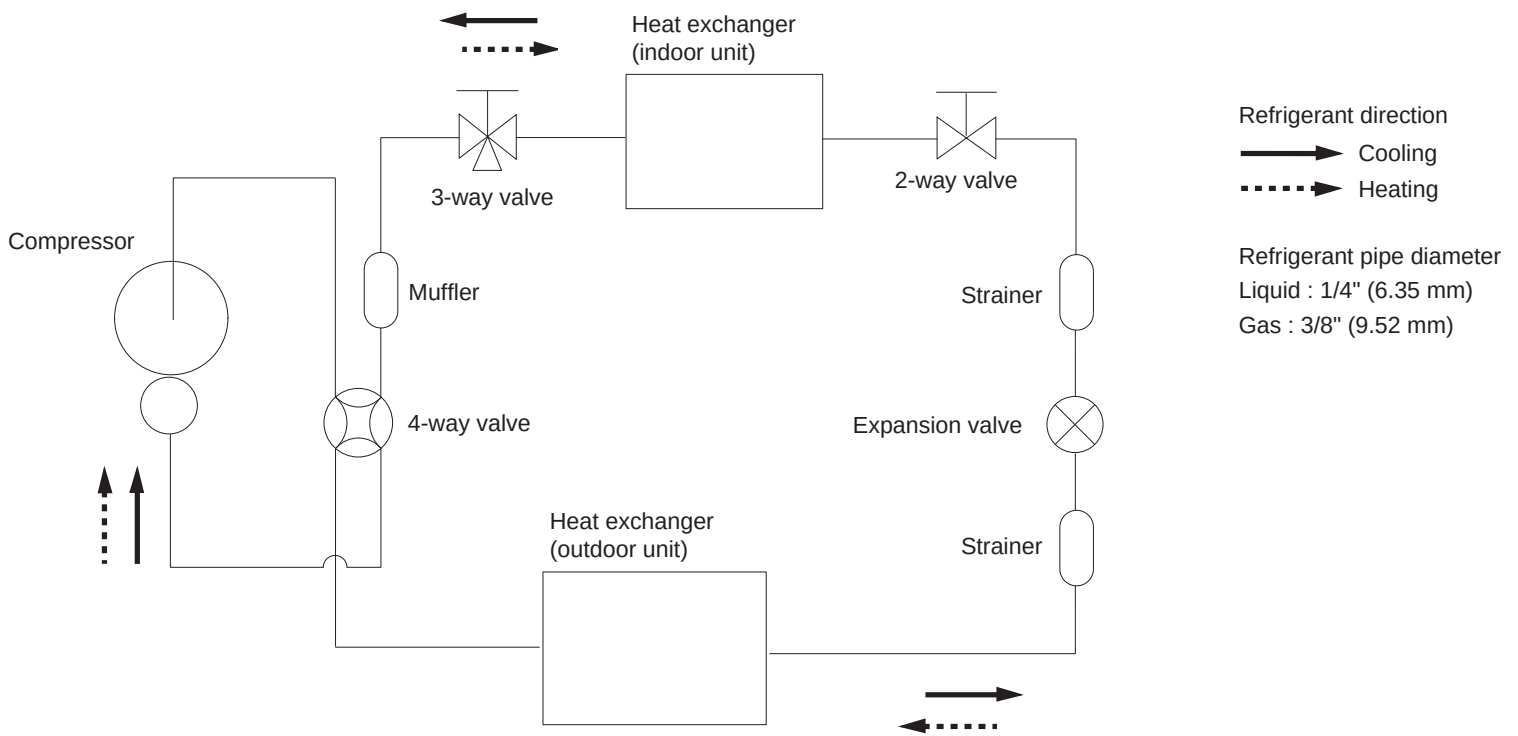
INDOOR UNIT



OUTDOOR UNIT



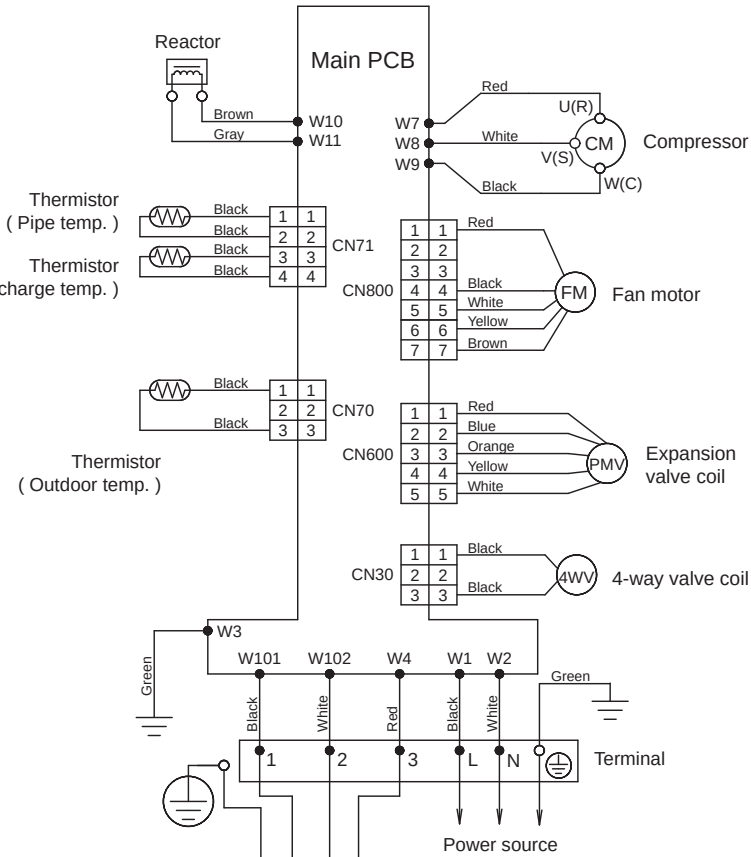
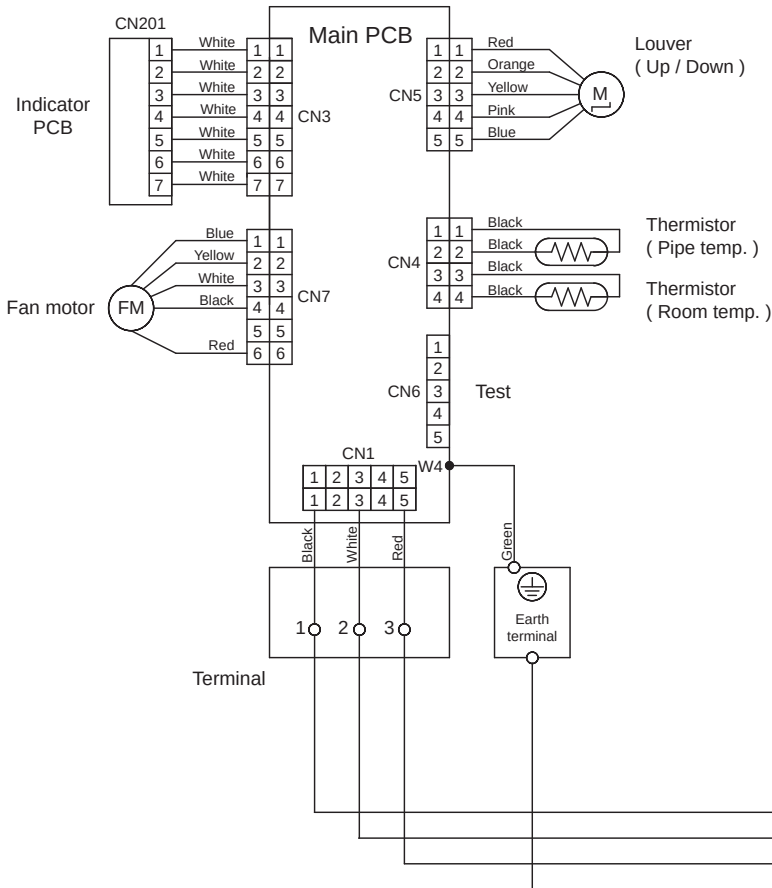
REFRIGERANT SYSTEM DIAGRAM



CIRCUIT DIAGRAM

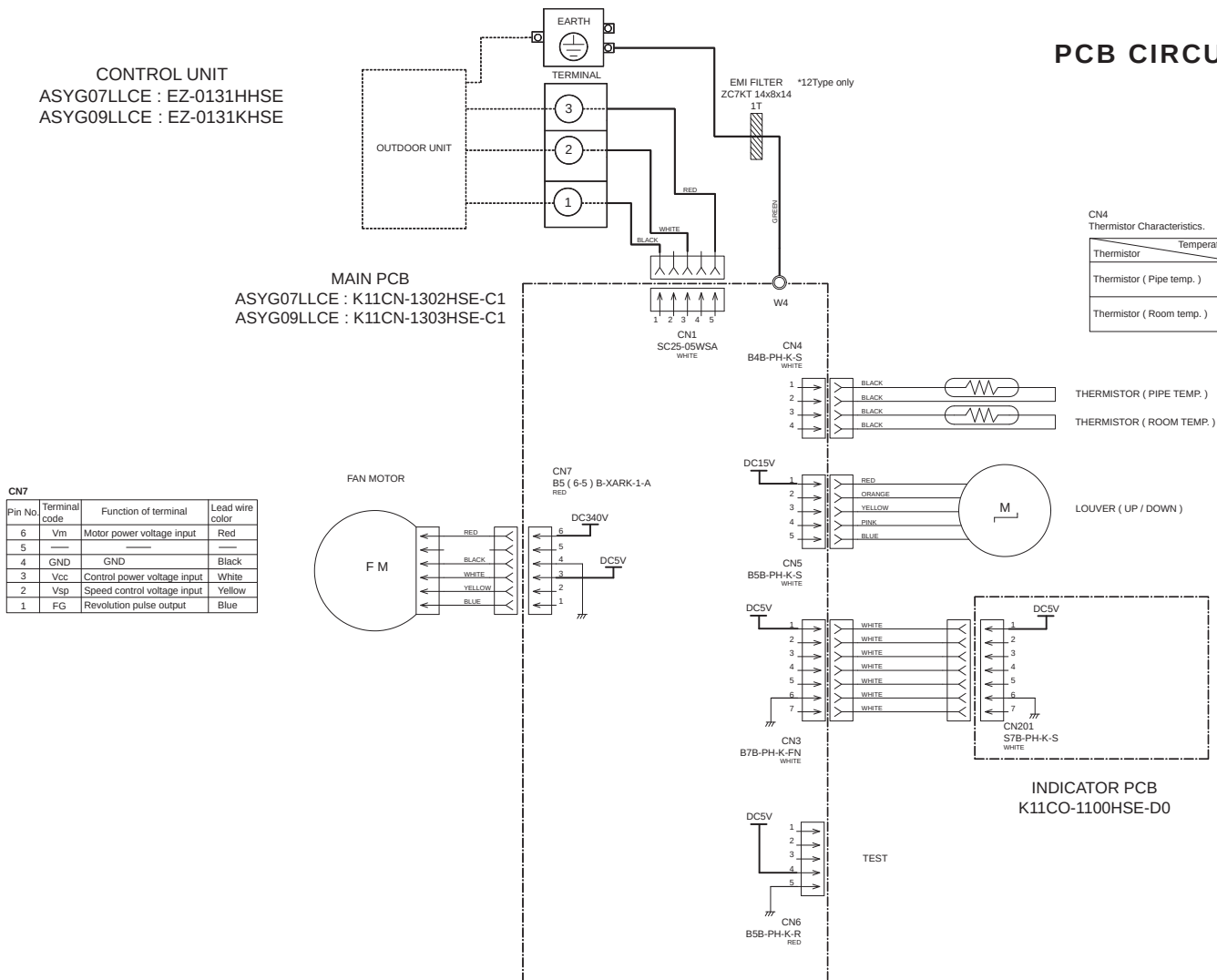
OUTDOOR UNIT

INDOOR UNIT

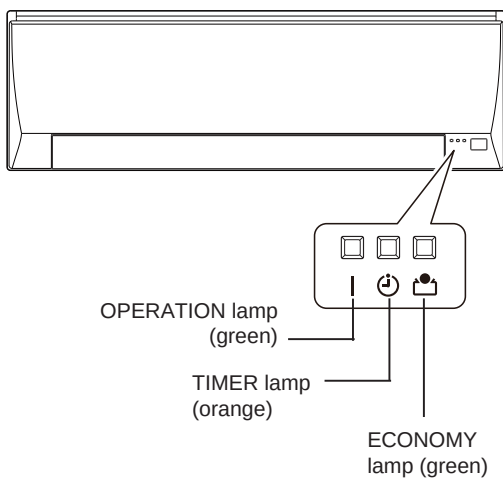


CONTROL UNIT
 ASYG07LLCE : EZ-0131HHSE
 ASYG09LLCE : EZ-0131KHSE

PCB CIRCUIT DIAGRAM

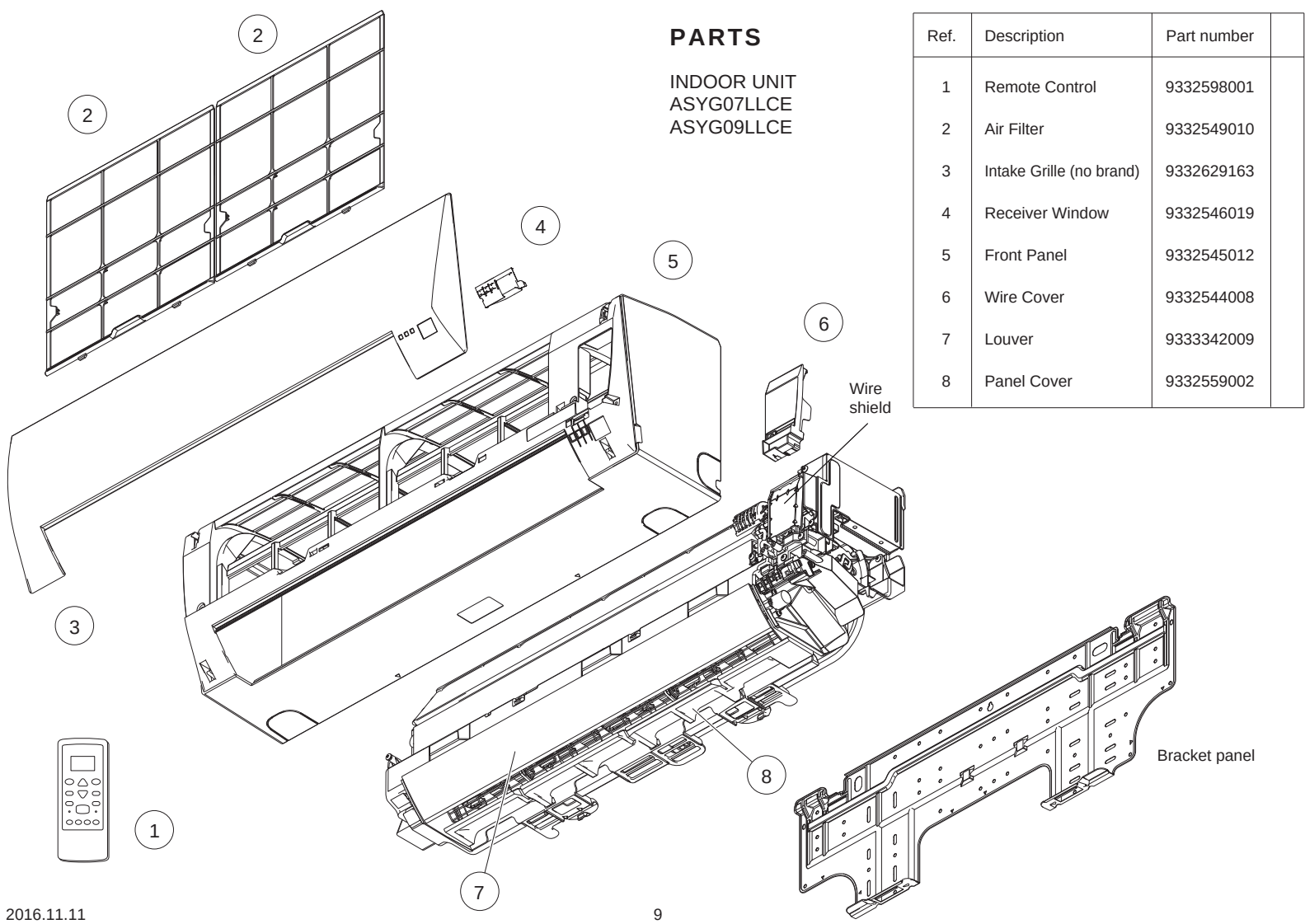


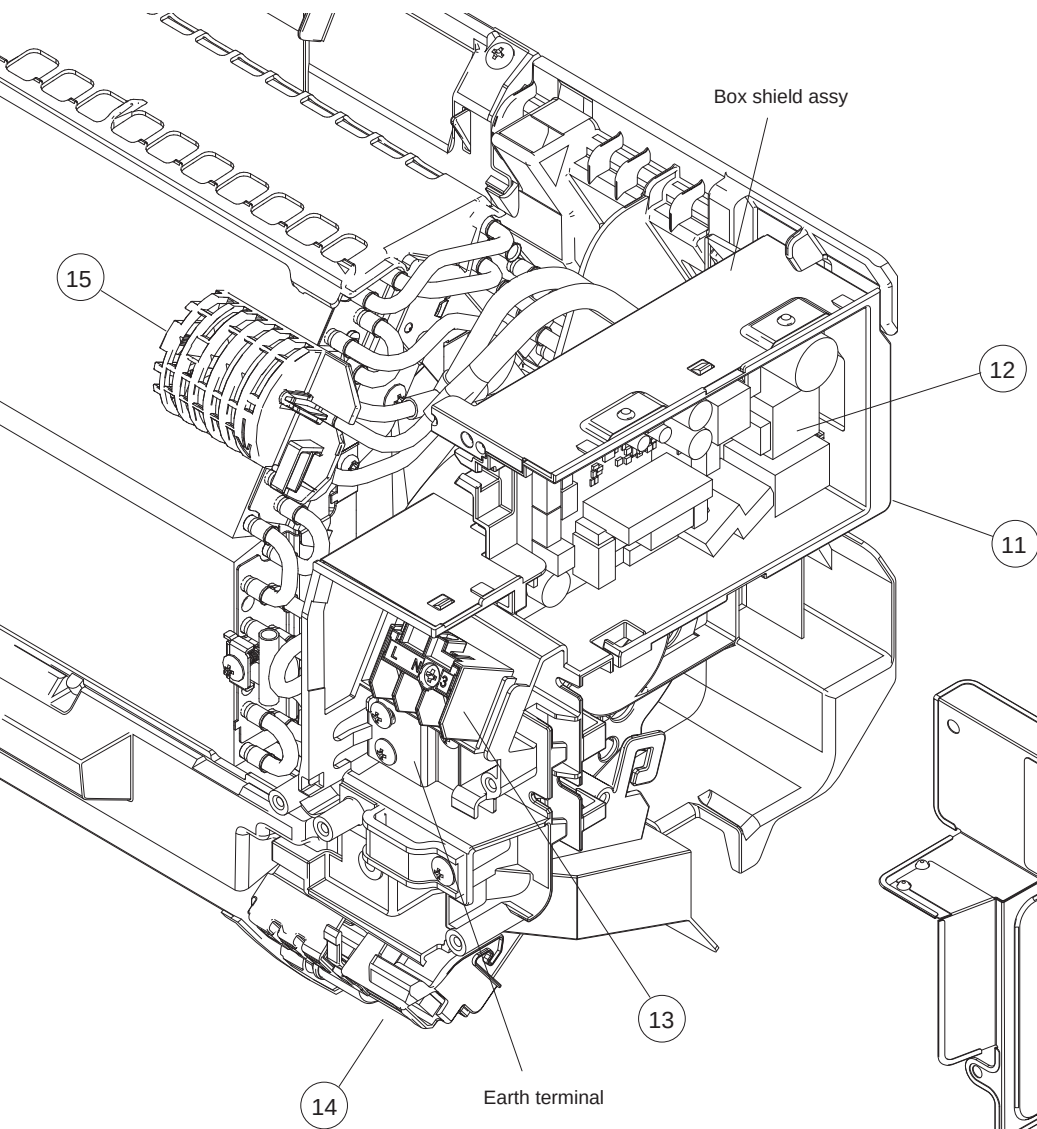
ERROR DETECTION



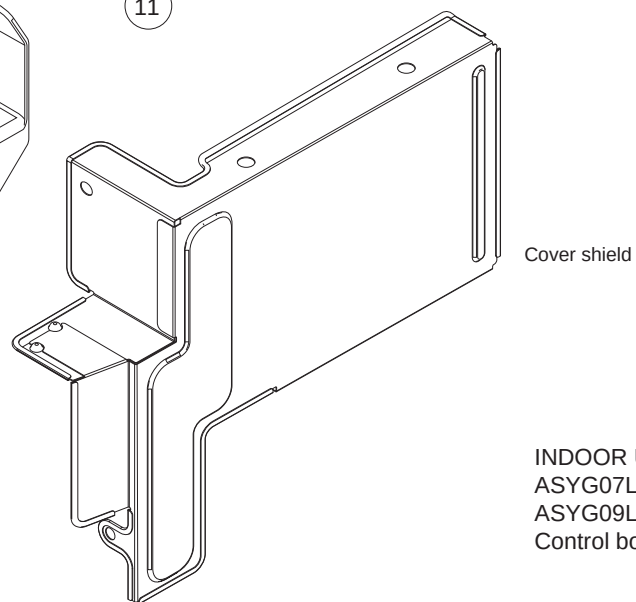
	OPERATION	TIMER	ECONOMY
Serial communication error	1 flash	1 flash	Rapid flash (0.1s on / 0.1s off)
Indoor unit PCB model information error	3	2	
Manual auto switch error	3	5	
Room temp. sensor error	4	1	
Indoor unit Heat Ex. Middle temp.sensor error	4	2	
Indoor unit fan motor error	5	1	
Indoor unit error	5	15	
Outdoor unit main PCB model information error or communication error	6	2	
Inverter error	6	3	
Active filter error, PFC circuit error	6	4	
Trip terminal L error	6	5	
Display PCB microcomputers communication error	6	10	
Discharge temp. sensor error	7	1	
Outdoor unit Heat Ex. liquid temp. sensor error	7	3	
Outdoor temp. sensor error	7	4	
Current sensor error	8	4	
Trip detection	9	4	
Compressor rotor position detection error	9	5	
4-way valve error	9	9	
Discharge temp. error	10	1	

(0.5s on / 0.5s off)



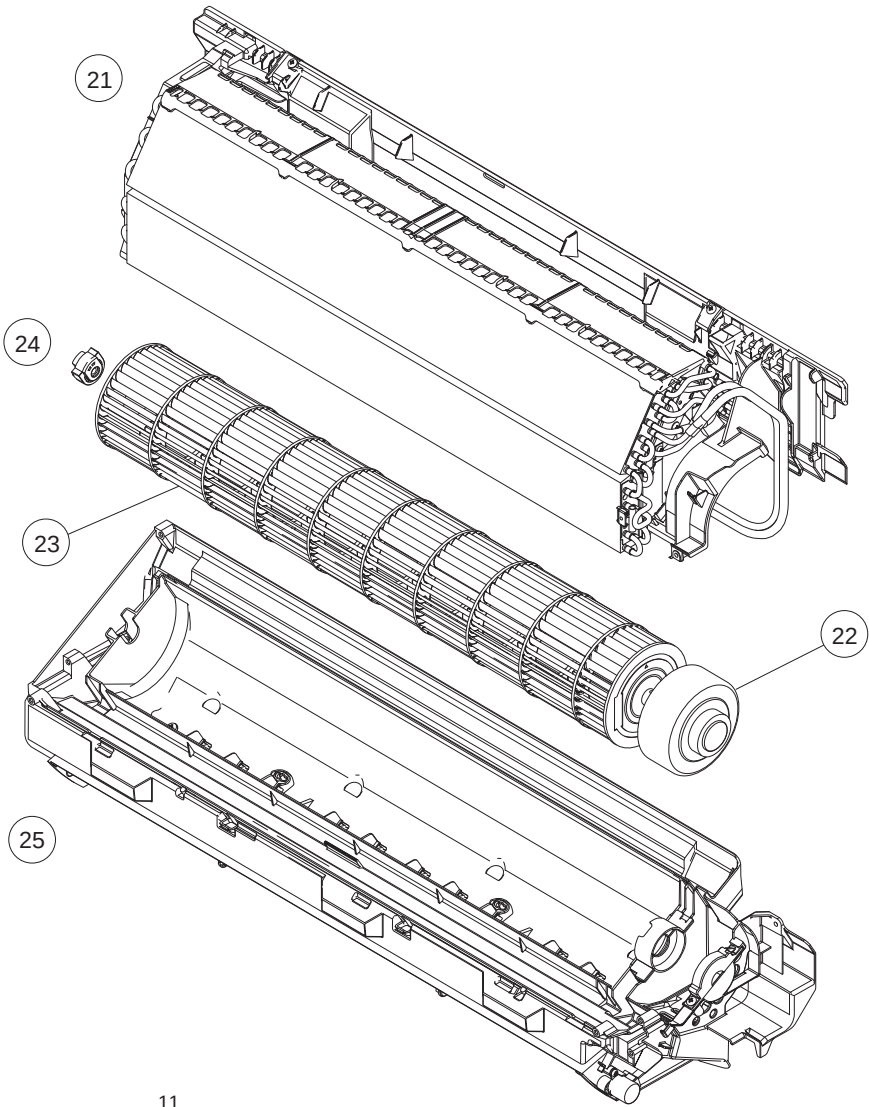


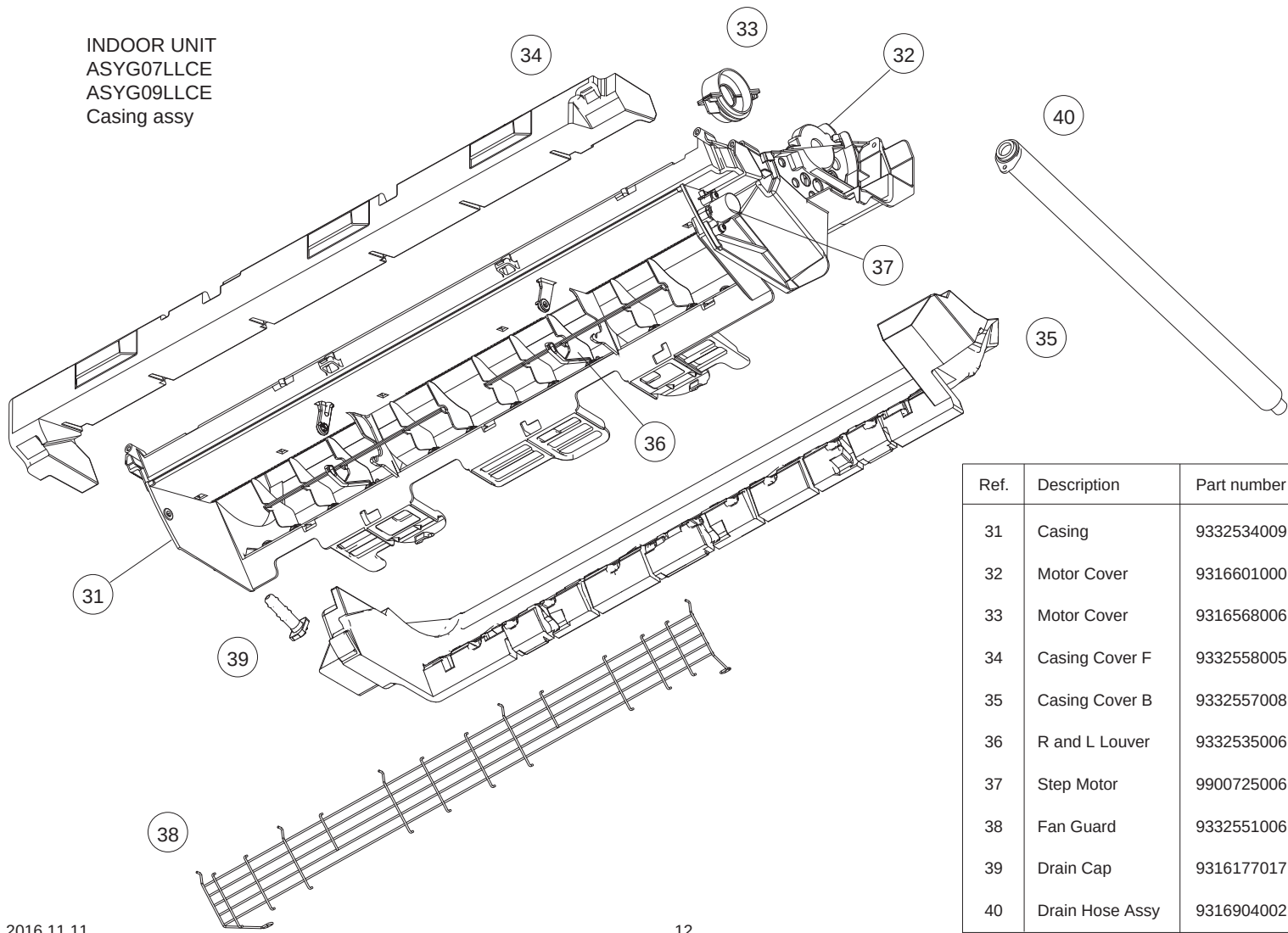
Ref.	Description	Part number
11	Control Box	9332542004
12	Main PCB (ASYG07LLCE)	9709170175
12	Main PCB (ASYG09LLCE)	9709170182
13	Terminal	9900720001
14	Display Assy	9709173015
15	Room Thermistor Holder	9316895003
--	Thermistor Assy	9900930011



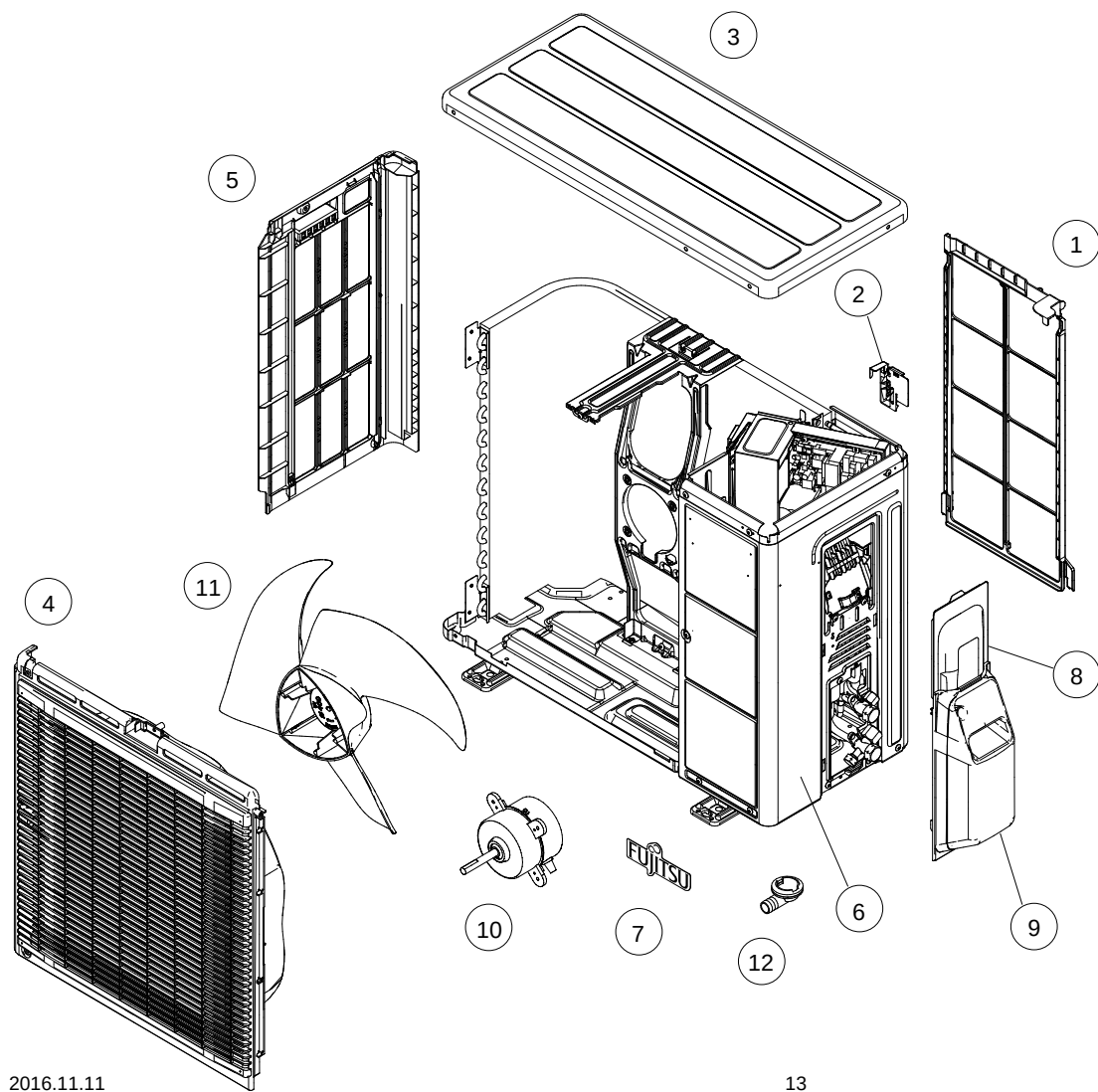
INDOOR UNIT
ASYG07LLCE
ASYG09LLCE
Evaporator
Fan

Ref.	Description	Part number	
21	Evaporator Total Assy	9316893191	
22	Fan Motor	9603180003	
23	Crossflow Fan Assy	9316830004	
24	Bearing C Assy	9306628017	
25	Casing Assy	9332613018	





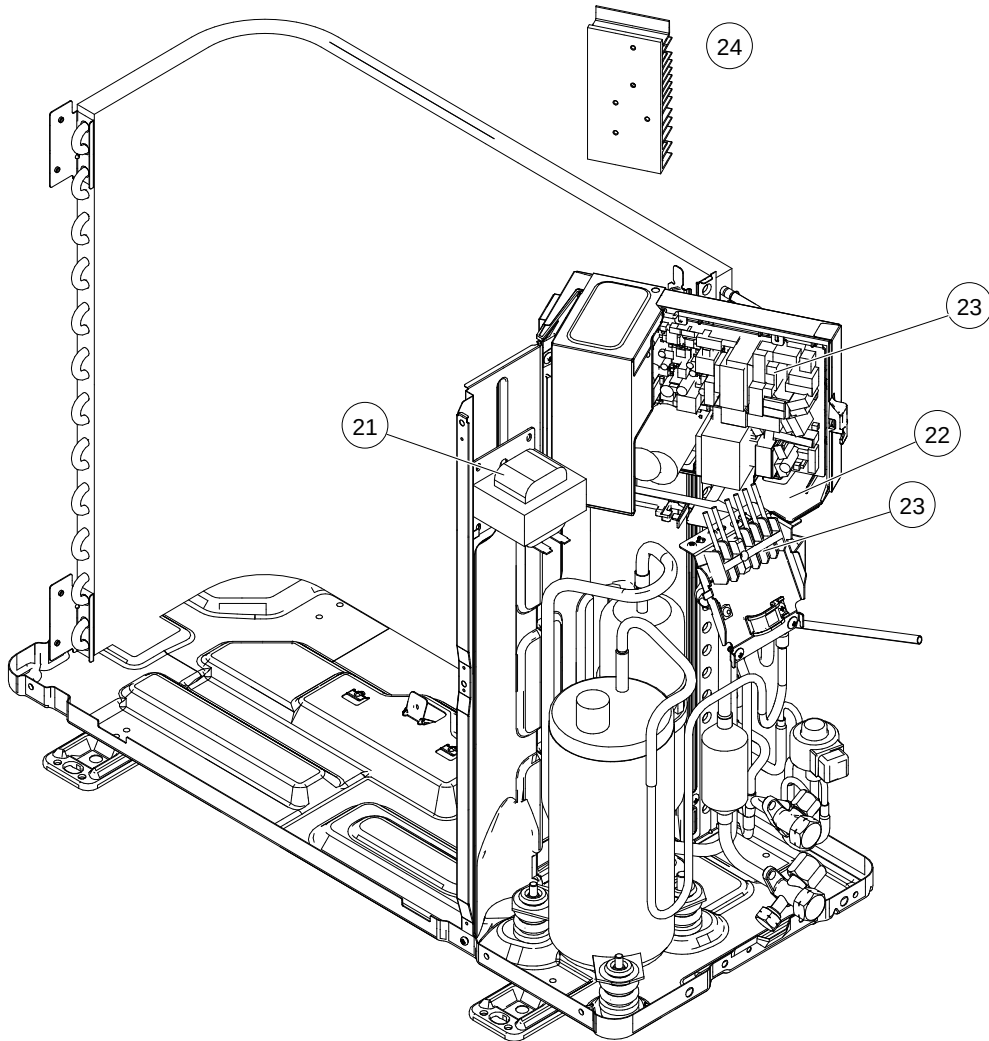
Ref.	Description	Part number	
31	Casing	9332534009	
32	Motor Cover	9316601000	
33	Motor Cover	9316568006	
34	Casing Cover F	9332558005	
35	Casing Cover B	9332557008	
36	R and L Louver	9332535006	
37	Step Motor	9900725006	
38	Fan Guard	9332551006	
39	Drain Cap	9316177017	
40	Drain Hose Assy	9316904002	



PARTS

OUTDOOR UNIT
AOYG07LLCE
AOYG09LLCE

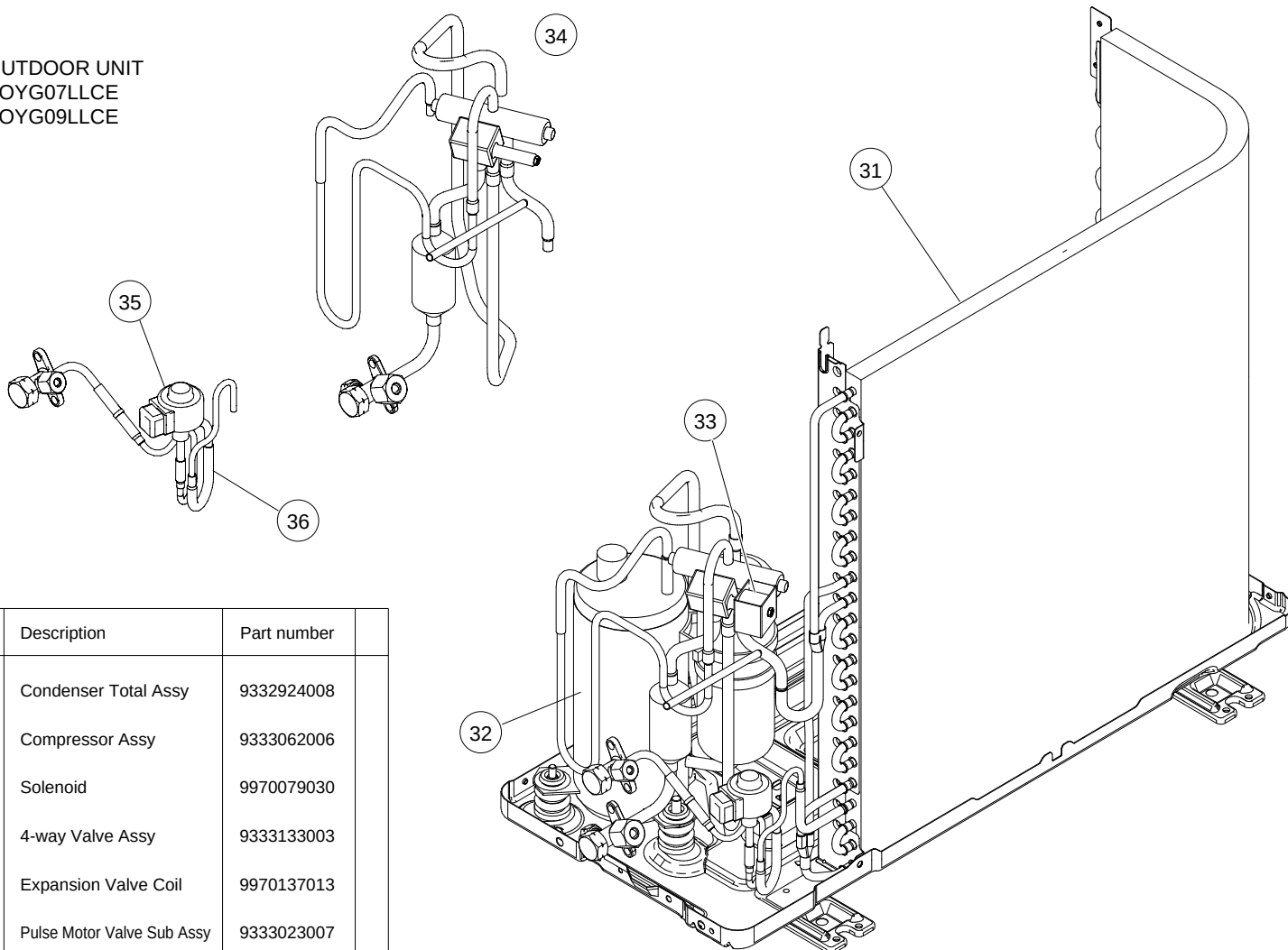
Ref.	Description	Part number
1	Protective Net	9332855005
2	Thermistor Holder	9332505009
3	Top Panel Assy	9332977004
4	Front Panel Assy	9332965001
5	Cabinet Left Assy	9332962000
6	Cabinet Right Assy	9332963007
7	Emblem	9319396019
8	Switch Cover A Assy	9332964011
9	Switch Cover B	9332843002
10	Fan Motor	9603074012
11	Propeller Fan	9309909014
12	Drain Assy	9332574005



OUTDOOR UNIT
AOYG07LLCE
AOYG09LLCE

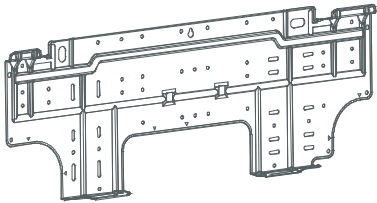
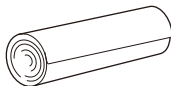
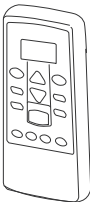
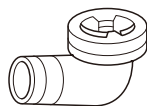
Ref.	Description	Part number	
21	Reactor Assy	9900787028	
22	PCB Holder	9332506013	
23	Main PCB (Service unit) (07)	9709680490	
23	Main PCB (Service unit) (09)	9709680506	
24	Heat Sink B	9332522006	
--	Thermistor Assy (AOYG07LLCE)	9900901011	
--	Thermistor Assy (AOYG09LLCE)	9900719029	
--	Outdoor Thermistor	9900880019	

OUTDOOR UNIT
AOYG07LLCE
AOYG09LLCE



Ref.	Description	Part number
31	Condenser Total Assy	9332924008
32	Compressor Assy	9333062006
33	Solenoid	9970079030
34	4-way Valve Assy	9333133003
35	Expansion Valve Coil	9970137013
36	Pulse Motor Valve Sub Assy	9333023007

ACCESSORIES

Name and Shape	Part number	Name and Shape	Part number
Wall hook bracket 	9332556001	Battery (penlight) 	0600185541
		Cloth tape 	9310519004
Remote control 	9332598001	Tapping screw (big) (ϕ 4 x 25) 	0700076046
		Drain pipe assy 	9332574005

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