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Room Air Conditioner

SVC MANUAL(Exploded View)

MODEL : AUUW366D (S36AWN)
ASNW36GDGM0 (S36AWN)

CAUTION

Before Servicing the unit, read the safety precautions in General SVC manual.
Only for authorized service personnel.

1. Specification

Models			ASNW36GDGM0 AUUW366D
Cooling Capacity		kW	9
(Min~Rating~Max)		Btu/h.	30709
Heating Capacity		kW	10.4
(Min~Rating~Max)		Btu/h.	35486
Power Input	Cooling/Heating	W	2,990/3,540
Running Current	Cooling/Heating	A	13.6/16.5
Starting Current	Cooling/Heating	A	13.6/16.5
EER		W/W	3.01
		Btu/h.W	10.27
COP		W/W	2.94
Power Supply		Ø / V / Hz	1 / 220 ~ 240 / 50
Power Factor		%	97
Air Flow Rate	Indoor,Max	m^3/min(CFM)	21(742)
	Outdoor,Max	m^3/min(CFM)	58(2048)
Moisture Removal		l/h.	3.5
Sound Level	Indoor,H/M/L	dB(A)±3	48 /44/ 39
	Outdoor,Max	dB(A)±3	58
Refrigerant & Charge(at 7.5 m)		g(oz)	R410A, 2,200(77.6)
Additional Refrigerant charge		g/m(oz/ft)	35(0.376)
Compressor	Type		Rotary
	Model		5JD420XAD22
	Motor Type		Brushless DC motor
	Oil Type		FV50S
	Oil Charge	cc	1300
	O.L.P. name		CS-7L 115
Fan(Indoor)	Type		Cross Flow Fan
	Motor Output	W	70
Fan(Outdoor)	Type		Propeller
	Motor Type		Brushless DC motor
	Motor Output	W	100
Circuit Breaker*		A	25
Power Supply Cable		No.*mm^2	3*2.5
Power and Transmission Cable		No.*mm^2+No.*mm^2	4*0.75
Piping	Liquid Side	mm(in)	6.35(1/4)
Connections	Gas Side	mm(in)	15.88(5/8)
Drain Hose	O.D., I.D.	mm(in)	21.5, 16 (0.85, 0.63)
Dimensions	Indoor (W*H*D)	mm	1,209*346*205
		inch	47.6*13.6*8.1
	Outdoor (W*H*D)	mm	870*1060*320
		inch	34.3*41.7*12.6
Net Weight	Indoor	kg(lbs)	19(41.9)
	Outdoor	kg(lbs)	75(165.3)
Operation Range	Cooling(Outdoor)	°C(°F)	-10 ~ 43 (14 ~ 109.4)
	Heating(Outdoor)	°C(°F)	-15 ~ 24 (5 ~ 75.2)
Max. Piping Length		m(ft)	50(164)
Max. Elevation Difference		m(ft)	30(98.4)
Tool Code(Chassis)	Indoor + Outdoor		SD + UE2

Note:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Wiring cable size must comply with the applicable local and national code.
3. The specification may be subject to change without notic for purpose of improvement.

2. Function Table

Indoor Unit

Category	Function	ASNW36GDGM0
Air flow	Air supply outlet	1
	Airflow direction control(left & right)	Auto
	Airflow direction control(up & down)	Auto
	Auto swing(left & right)	O
	Auto swing(up & down)	O
	Airflow steps(fan/cool/heat)	4/5/4
	Chaos swing	O
	Chaos wind(auto wind)	O
	Jet cool(Power wind)	O
	Swirl wind	X
Air purifying	Deodorizing filter	O
	Plasma air purifier	O
	Prefilter(washable / anti-fungus)	O
Installation	Drain pump	X
	E.S.P. control	-
	Electric heater(operation)	-
	High ceiling operation	X
Reliability	Hot start	O
	Self diagnosis	O
	Soft dry operation	O
Convenience	Auto changeover	O
	Auto cleaning	O
	Auto operation(artificial intelligence)	O
	Auto restart operation	O
	Child lock	X
	Forced operation	O
	Group control	X
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)	X
	Two thermistor control	X
Individual control	Standard wired remote controller	X
	Deluxe wired remote controller	X
	Simple wired remote controller	X
	Wired remote controller(for hotel use)	X
	Wireless remote controller(simple)	AHWRHD
	Wireless LCD remote control	X
CAC network function	General central controller (Non LGAP)	X
	Dry contact	X
	Network Soluation(LGAP)	X
	PDI(power distribution indicator)	X
	PI 485	X
Special function kit	Zone control	X
	CTIE	X
	Electro thermostat	X
Others	Thermistor	X

Note :

• O: Applied, • X: Not applied, • - : No relation,
• Option: Model name & price are different according to options, and assembled in factory with main unit.
• Accessory: Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

2. Function Table

Outdoor Unit

Category	Function	AUUW366D
Reliability	Defrost / Deicing	O
	High pressure switch	O
	Low pressure switch	X
	Phase protection	X
	Restart delay (3-minutes)	O
	Self diagnosis	O
	Soft start	O
	Test function	O
Convenience	Auto operation(Artificial intelligence)	O
	Auto restart operation	O
CAC network function	Network soluation(LGAP)	X
	PDI(Power Distribution Indicator)	X
	PI485	X
Special function kit	Low ambient operation	O(Program Logic)
Others	Thermistor	-

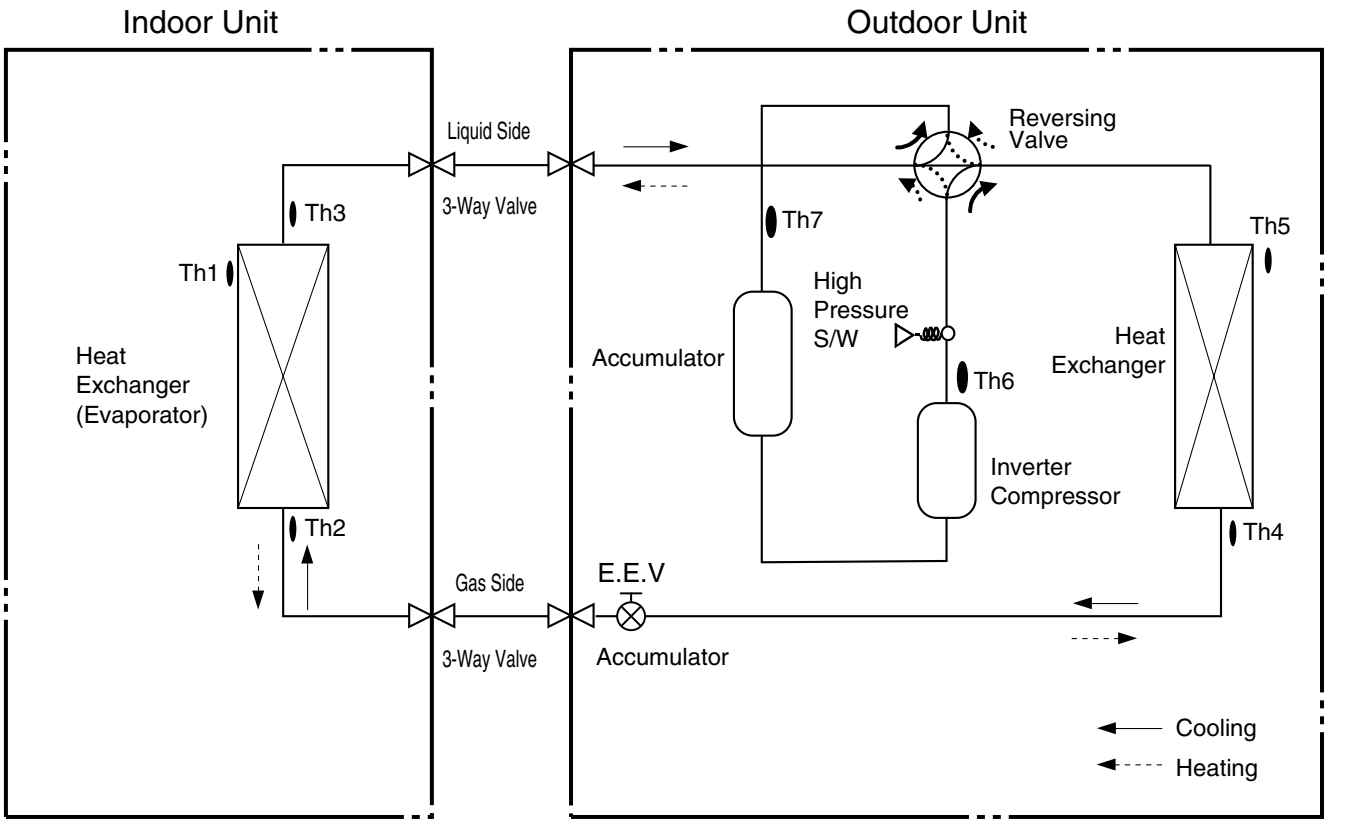
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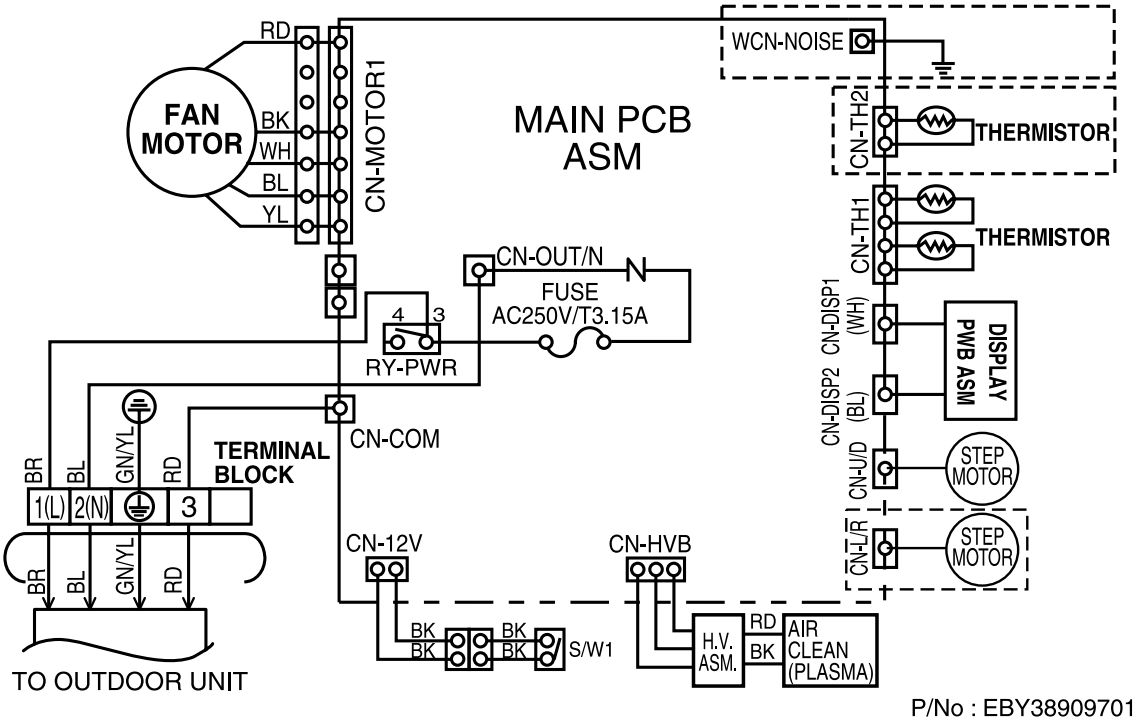
3. Piping Diagrams



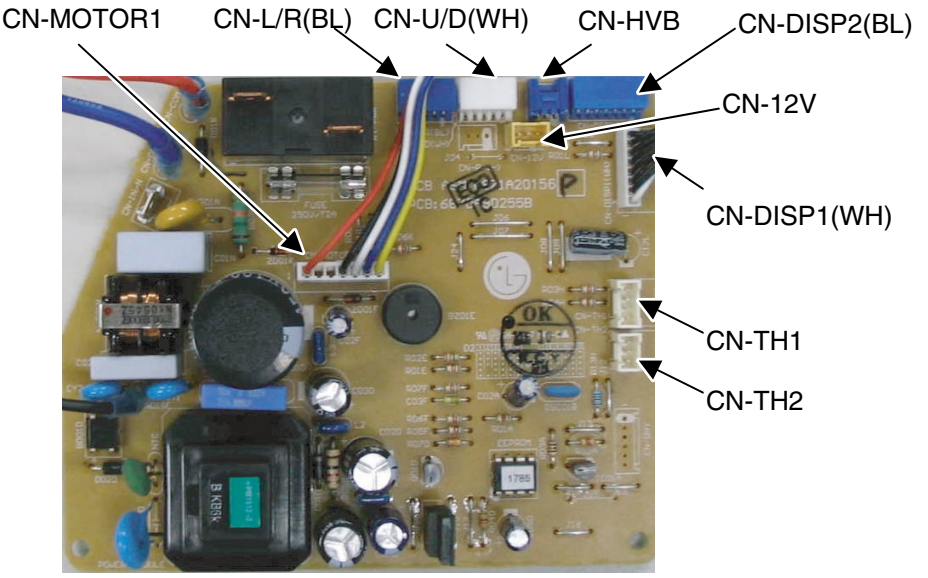
LOC.	Description	PCB Connector
Th1	Thermister for indoor air temperature	CN_TH1(INDOOR)
Th2	Thermister for indoor pipe(in) temperature	
Th3	Thermister for indoor pipe(out) temperature	CN-TH2(INDOOR)
Th4	Thermister for outdoor pipe temperature	CN_TH2(OUTDOOR)
Th5	Thermister for outdoor air temperature	
Th6	Thermister for outdoor discharge pipe temperature(Inverter)	CN_TH3(OUTDOOR)
Th7	Thermister for outdoor suction pipe temperature(Inverter)	

4. Wiring Diagrams

Indoor Unit

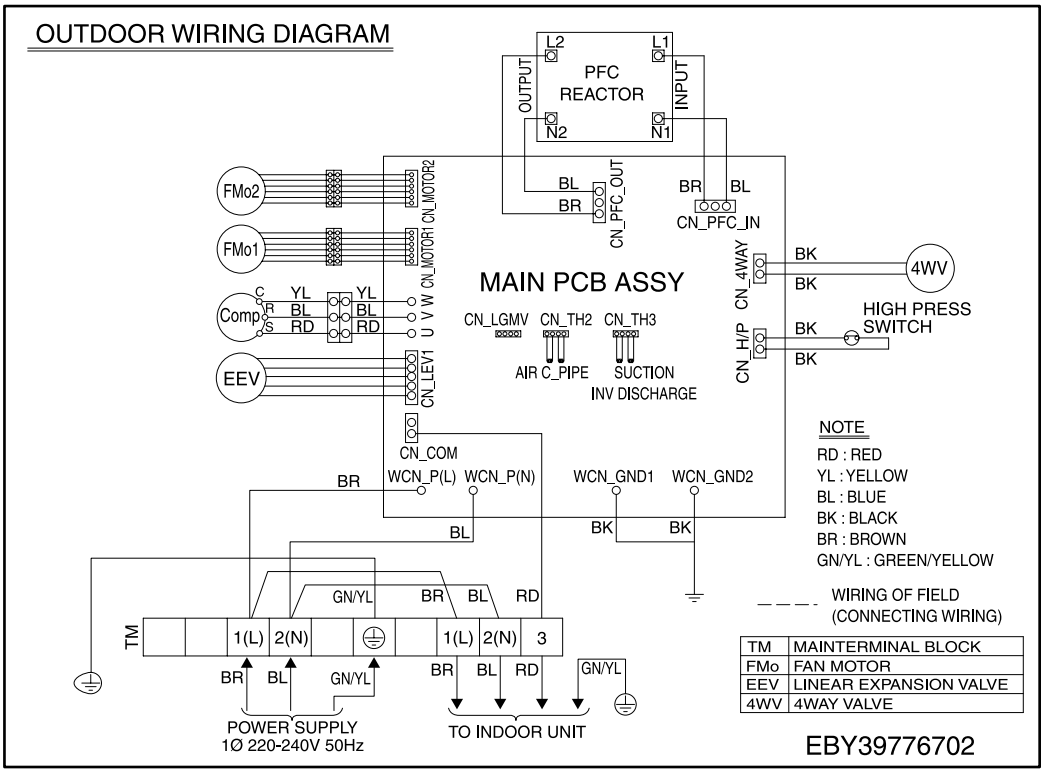


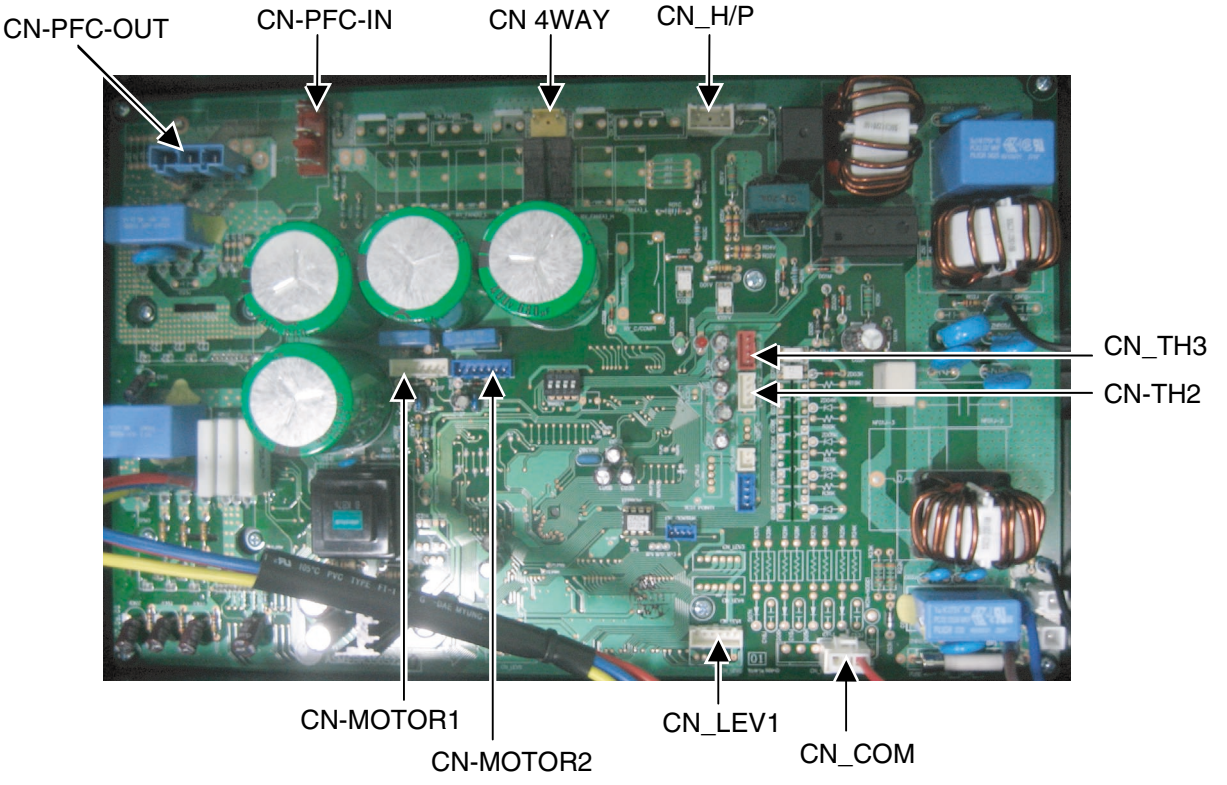
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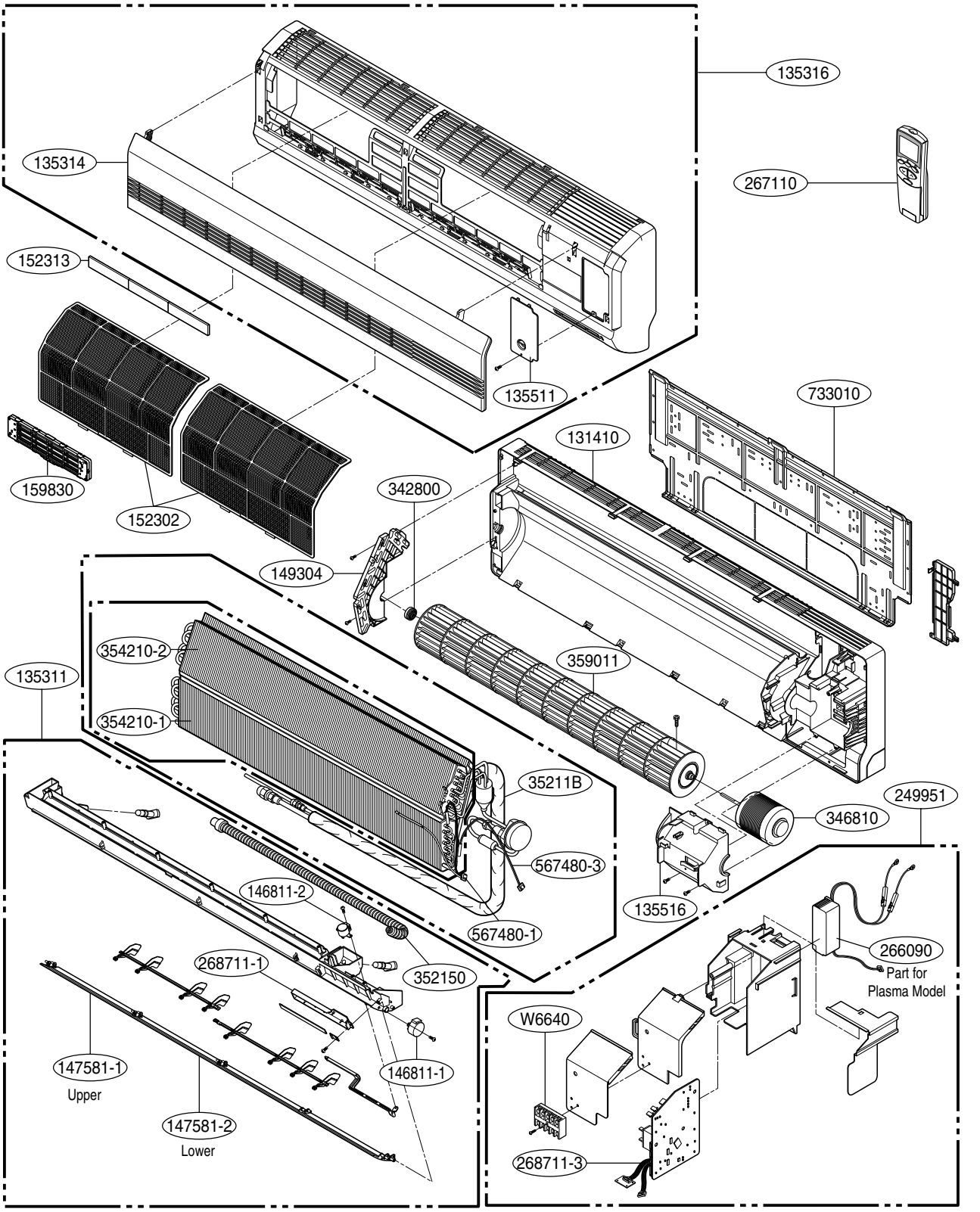
Outdoor Unit





5. Exploded View

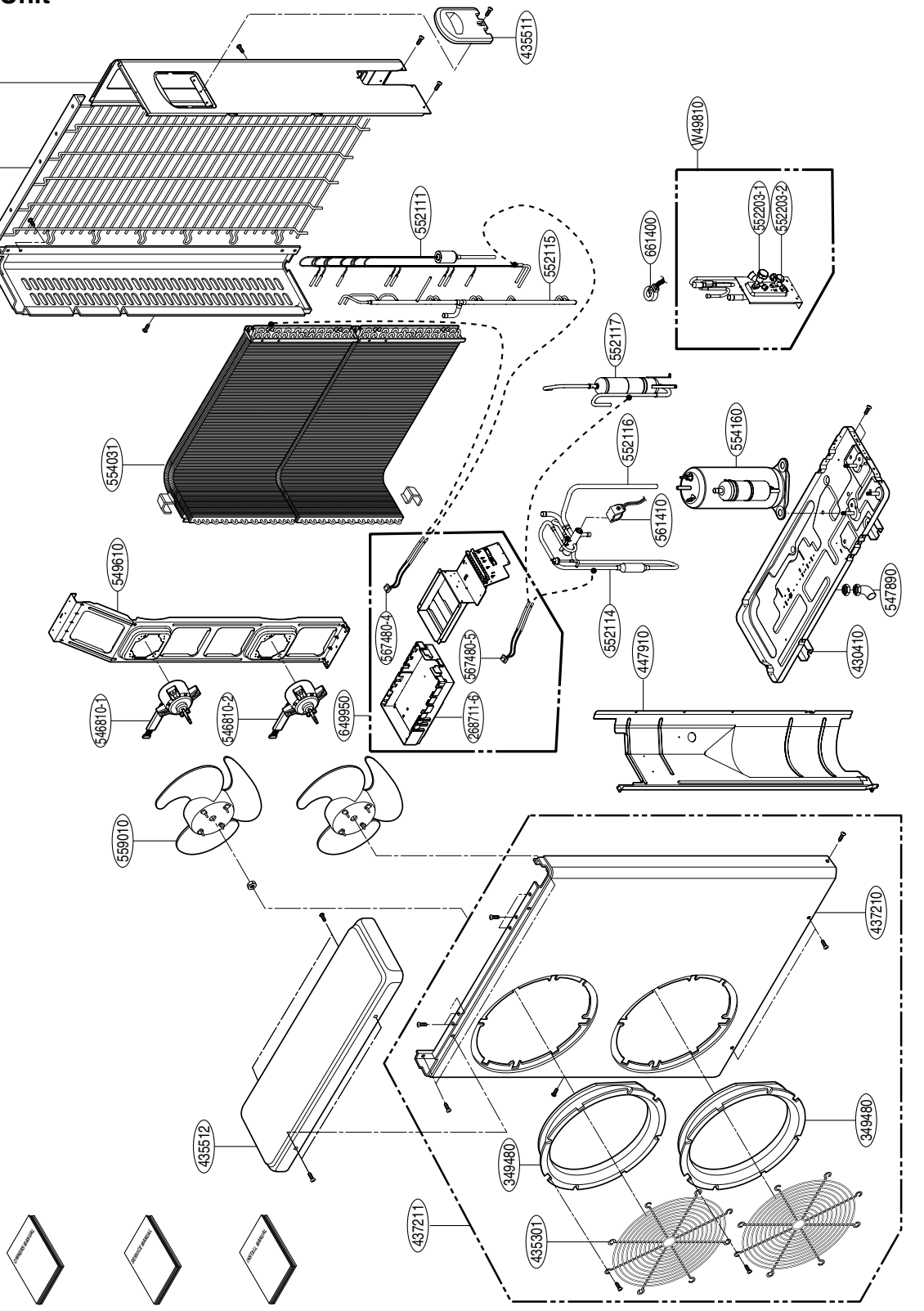
Indoor Unit



Note) * Please ensure GCSC since the replacement parts may be changed depending upon the buyer's request.
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5. Exploded View

Outdoor Unit



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