



Internal Use Only

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Room Air Conditioner

SVC MANUAL(Exploded View)

MODEL : AS-H096U*M4
AS-H126U*M4

CAUTION

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

1. Specification

Item		Model Name	AS-H096U*M4	AS-H126U*M4
		Unit		
Cooling Capacity		kW	2.7	3.52
		Btu/h.	9,200	12,000
Heating Capacity		kW	2.81	3.72
		Btu/h.	9,600	12,700
Power Input	Cooling/Heating	W	890 / 840	1,140 / 1,150
Running Current	Cooling/Heating	A	4.0 / 3.7	5.1 / 5.2
Starting Current	Cooling/Heating	A	17.0 / 17.0	28.0 / 28.0
EER		W/W	3.03	3.09
		Btu/h.W	10.34	10.53
COP		W/W	3.35	3.23
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Factor		%	96.7	97.2
Air Flow Rate	Indoor,Max	m³/min(CFM)	8(282)	9.5(335)
	Outdoor,Max	m³/min(CFM)	26(918)	26.0(918)
Moisture Removal		l/h.	1.2	1.5
Sound Level	Indoor,H/M/L	dB(A)±3	32 / 28 / 26	36 / 33 / 29
	Outdoor,Max	dB(A)±3	46	46
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 760(26.8)	R410A, 880(31.0)
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)
Compressor	Type		Rotary	Rotary
	Model		GK113PAJ	GK141PAA
	Motor Type		PSC	PSC
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	330	350
	O.L.P. name		MRA12130-12026	MRA12150-12027
Fan(Indoor)	Type		Cross flow Fan	Cross flow Fan
	Motor Output	W	7.5	12.9
Fan(Outdoor)	Type		Propeller	Propeller
	Motor Type		AC Induction	AC Induction
	Motor Output	W	18	25.5
Circuit Breaker*		A	15	15
Power Supply Cable		No.*mm²	3*1.0	3*1.0
Power and Transmission	Cable No.*mm²	No.*mm²	3*1.0+2*0.75(Including Earth)	3*1.0+2*0.75(Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(in)	9.52(3/8)	12.7(1/2)
Drain Hose	O.D., I.D.	mm(in)	21.5 / 16.0(0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,030*290*153	1,030*290*153
		inch	40.6*11.4*6.1	40.6*11.4*6.1
	Outdoor (W*H*D)	mm	575*525*260	770*540*245
		inch	22.6*20.7*10.2	34.3*25.8*12.6
Net Weight	Indoor	kg(lbs)	9.5(20.9)	9.5(20.9)
	Outdoor	kg(lbs)	23(50.7)	31(68.2)
Operation Range	Cooling(Outdoor)	°C	21 - 43	21 - 43
	Heating(Outdoor)	°C	1 - 24	1 - 24
Max. Piping Length		m(ft)	15(49)	15(49)
Max. Elevation Difference		m(ft)	7(23)	7(23)
Tool Code(Chassis)	Indoor + Outdoor		SU + UA2	SU + UL
Functions	Temperature Control		Thermistor	Thermistor
	Plasma Filter		O	O
	Prefilter(washable/anti-fungus)		O	O
	Auto Clean		O	O
	CHAOS Wind(Auto Wind)		O	O
	Steps, Fan/Cool/Heat		3 / 4 / 3	3 / 4 / 3
	Airflow Direction Control(up& Down)		Auto	Auto
	Airflow Direction Control(left & right)		Auto	Auto
	Remote Controller Type		Wireless LCD	Wireless LCD
	Setting Temperature	Cooling	18-30	18-30
	Range	Heating	16-30	16-30
	Temperature Increment		1	1
	Auto Operation (Micom Control)		-	-
	Auto Changeover (Micom Control)		O	O
	Self Diagnosis		O	O
	Timer		24h, On/Off	24h, On/Off
	Sleep Operation		O	O
	Soft Dry Operation		O	O
	Restart Delay(minute)		3	3
	Deice Control(Defrost)		O	O
	Hot Start		O	O
	Jet Cool		O	O
	Low Ambient Operation		-	-
	Special Function		-	-

Note:

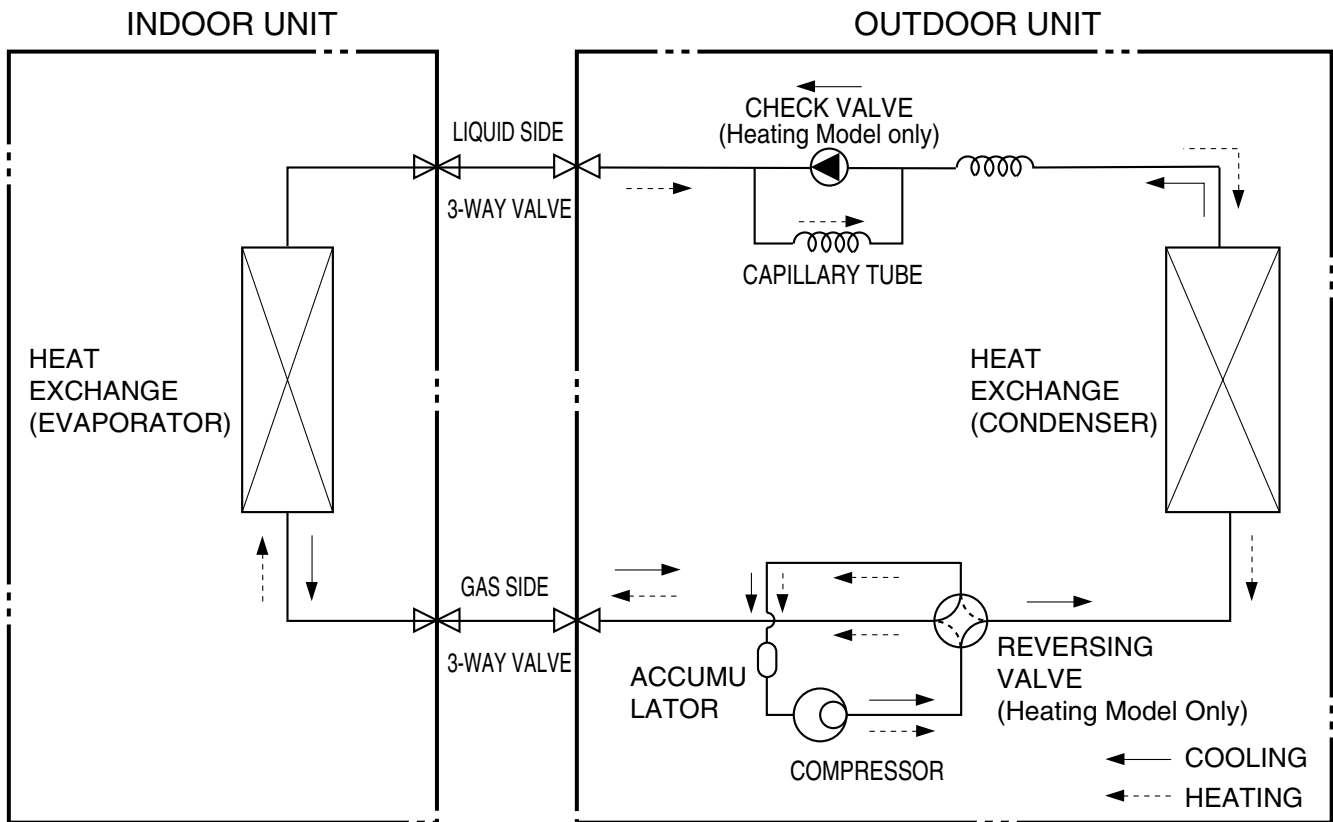
O : Applied, - : No relation

* For circuit breaker rating, please conform to local standards wherever necessary.

* Some of functions are slightly different depending upon models.

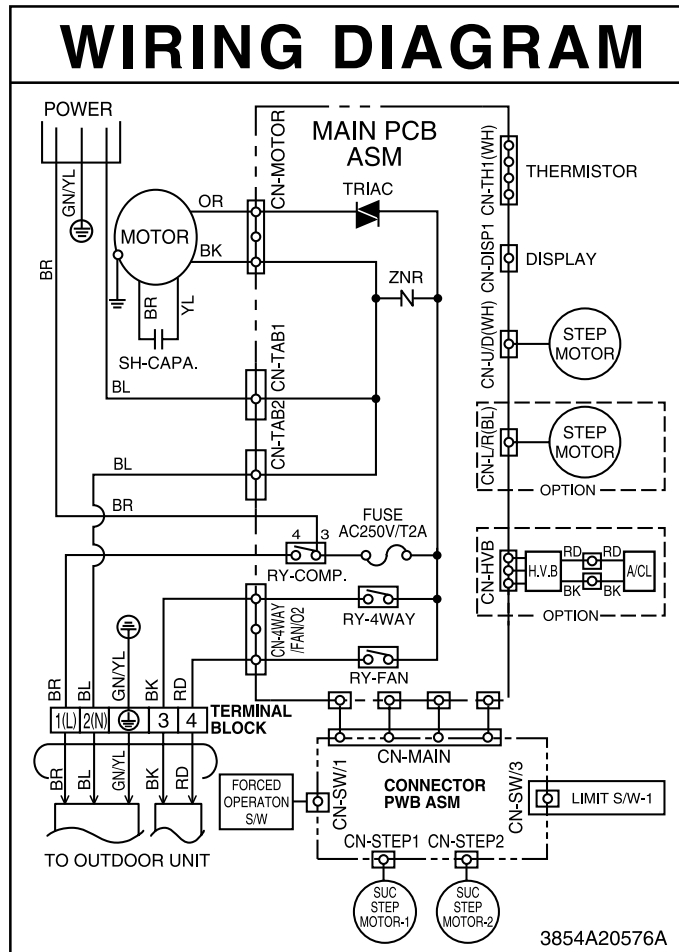
* The specification may be subject to change without notice for purpose of improvement.

2. Piping Diagrams

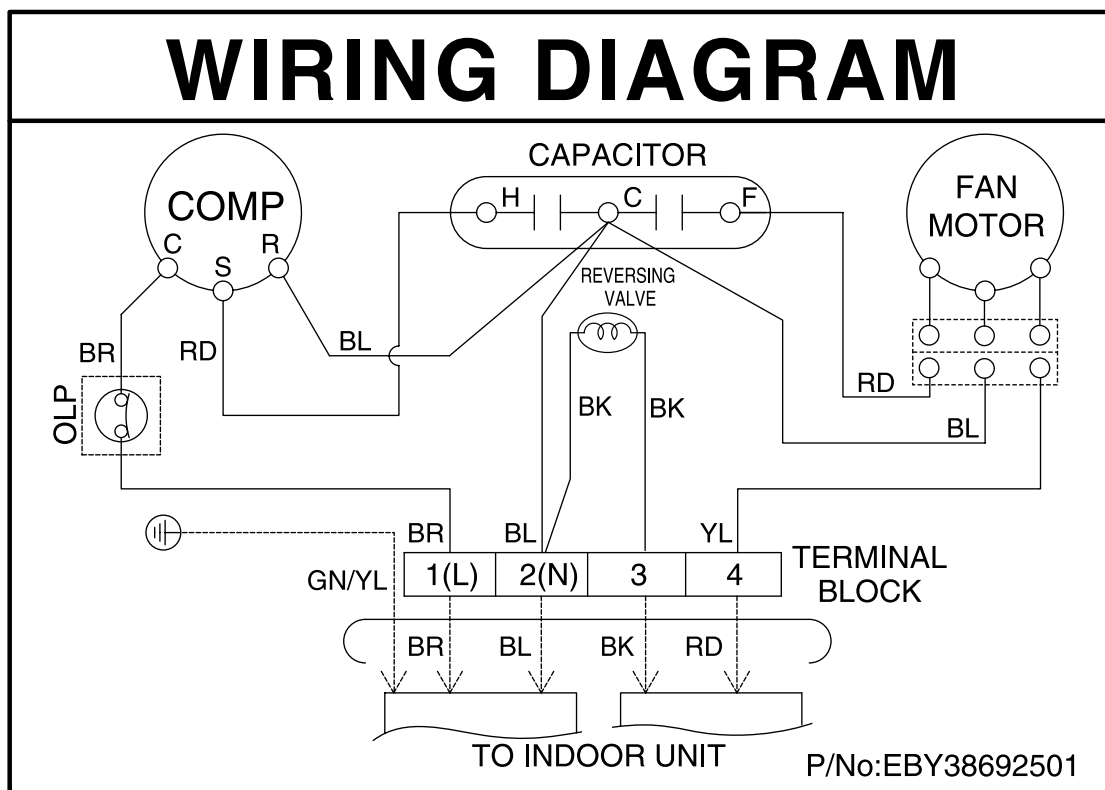


3. Wiring Diagrams

Indoor Unit

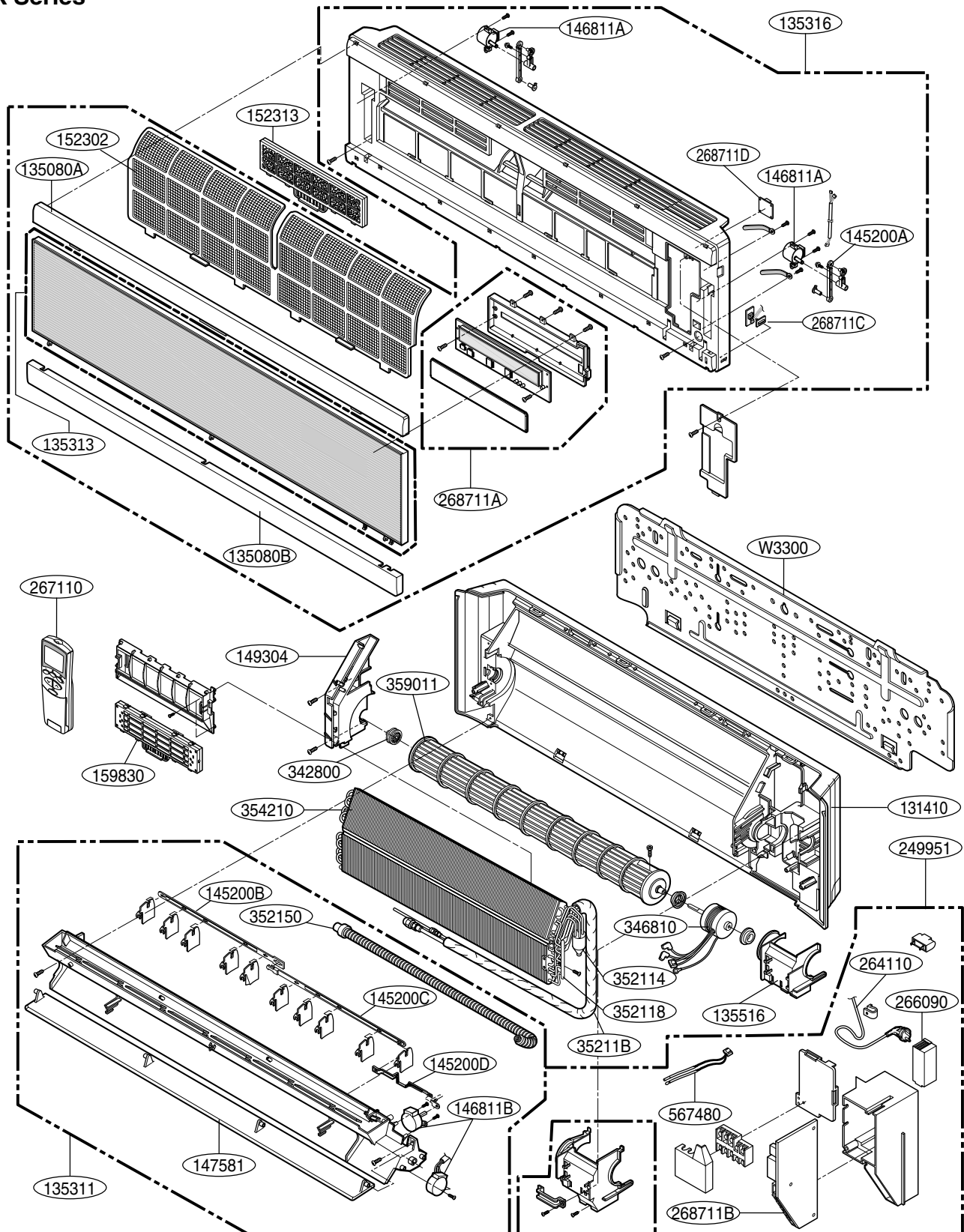


Outdoor Unit

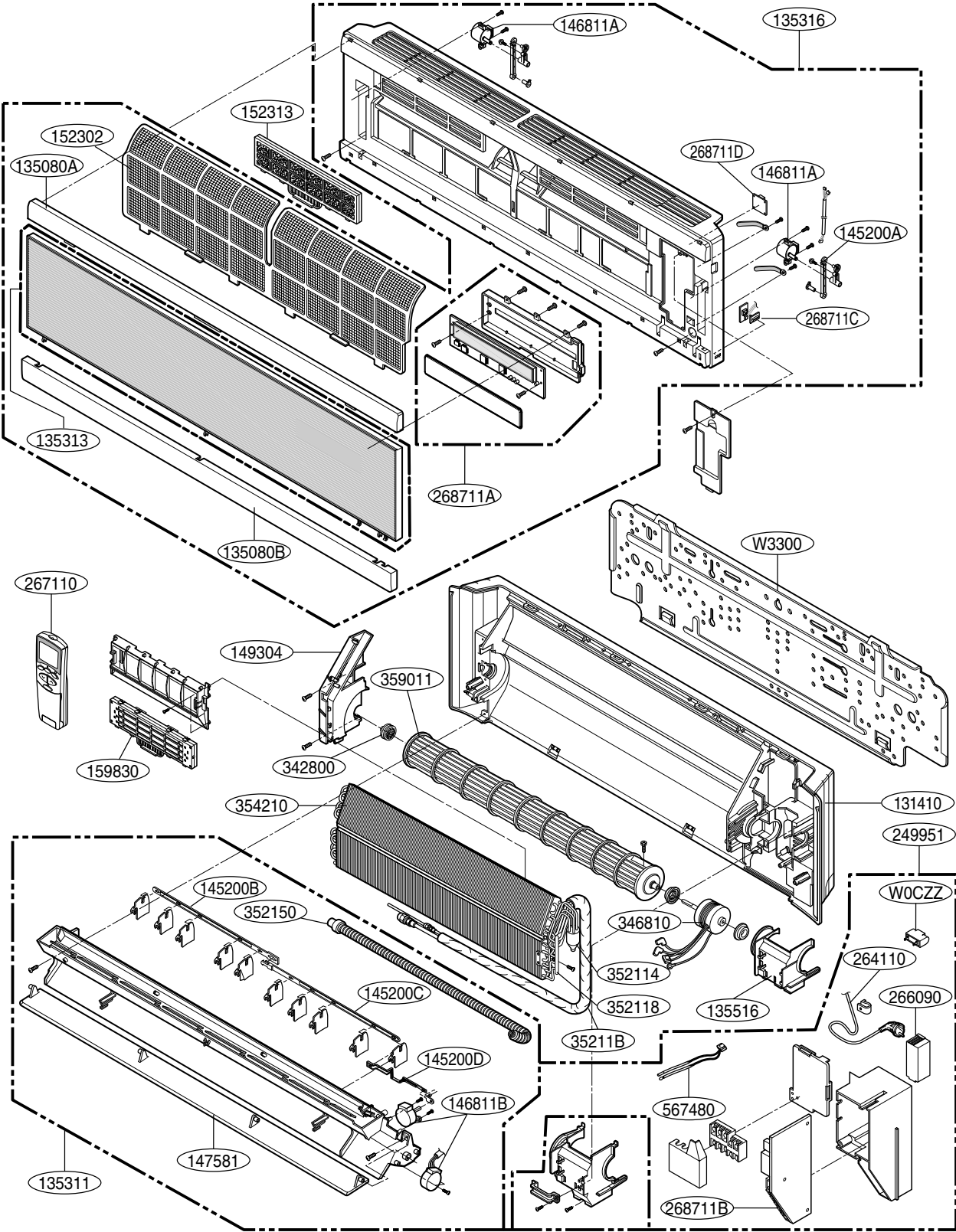


4. Exploded View

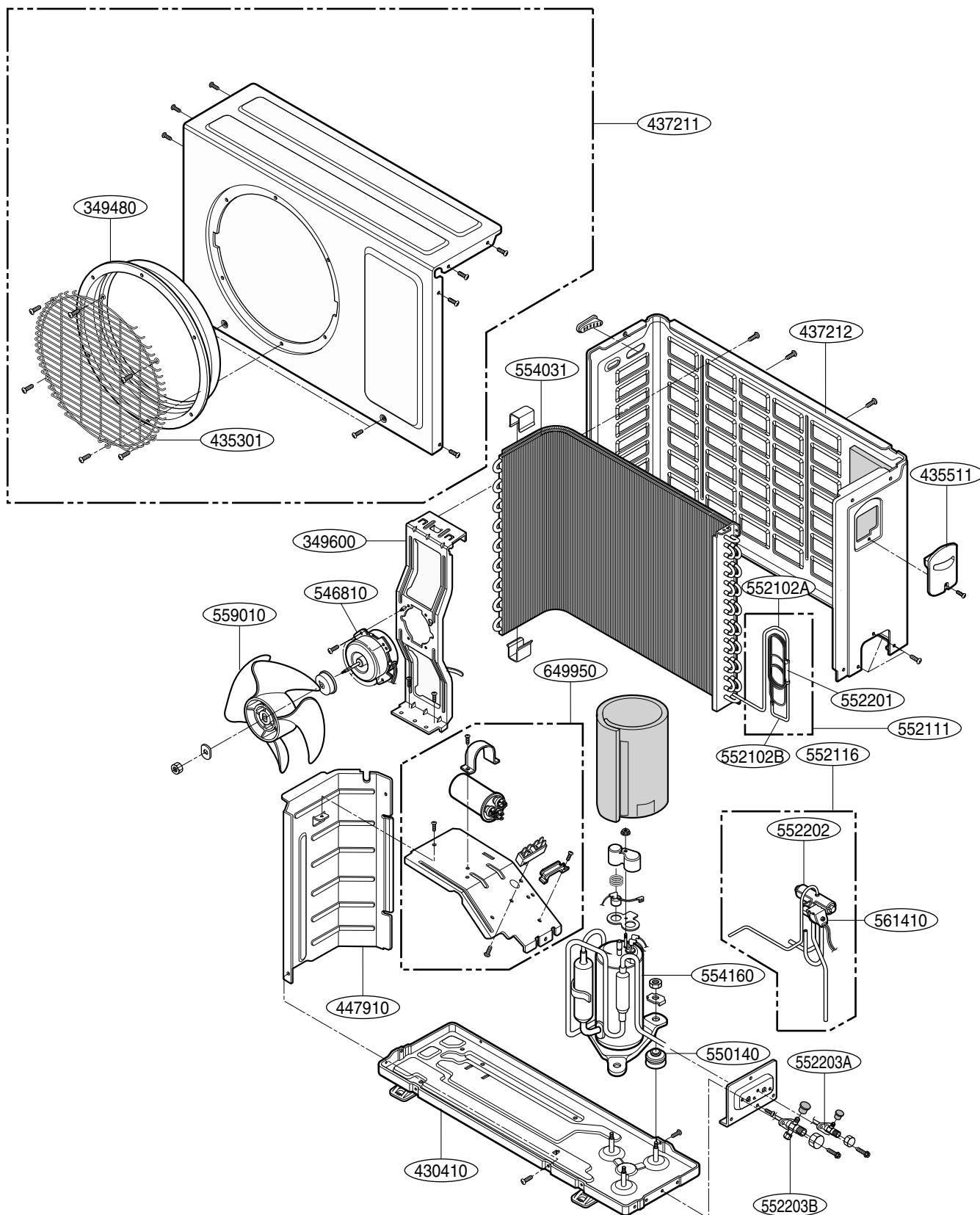
Indoor Unit 9k Series



Indoor Unit 12k Series



Outdoor Unit





P/NO : MFL42684209

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