



Internal Use Only

<http://biz.lgservice.com>

Room Air Conditioner

SVC MANUAL(Exploded View)

MODEL : AS-W183CSA7

CAUTION

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

Product Specifications

Sales Model			LSN180HEV/LSU180HEV
Models		Unit	AS-W183CSA7
Cooling Capacity		kW	1.08 ~ 4.98 ~ 5.42
		Btu/h.	3,685~17,000~18,493
Heating Capacity		kW	1.08 ~ 5.57 ~ 6.74
		Btu/h.	3,685~19,000~22,997
Power Input	Cooling/Heating	W	1,550 / 1,590
Running Current	Cooling/Heating	A	7.2 / 7.1
Starting Current	Cooling/Heating	A	7.2 / 7.1
EER/COP		W/W	3.21 / 3.50
		Btu/h.W	10.97 / 11.95
SEER			17
HSPF			8.7
Power Supply		Ø / V / Hz	1/208-230/60
Power Factor		%	93.6
Air Flow Rate	Indoor,Max	m³/min(CFM)	17.8 (629)
	Outdoor,Max	m³/min(CFM)	38 (1342)
Moisture Removal		l/h.(pts/hr)	0.84(1.9)
Sound Level	Indoor,H/M/L	dB(A)±3	42/40/35/29
	Outdoor,Max	dB(A)±3	51
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,060(37.4)
Additional Refrigerant charge		g/m(oz/ft)	30(0.33)
Compressor	Type		Twin Rotary
	Model		GKT141MBA
	Motor Type		Brushless DC Motor
	Oil Type		FVC68D
	Oil Charge	cc	470
	O.L.P. name		-
Fan(Indoor)	Type		Cross Flow Fan
	Motor Output	W	30
Fan(Outdoor)	Type		Propeller
	Motor Type		BLDC
	Motor Output	W	43
			20
Circuit Breaker*		A	20
Power Supply Cable		No.*mm²	3*1.0
Power and Transmission Cable No.*mm²		No.*mm²	4*0.75 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)
	Gas Side	mm(in)	12.7(1/2)
Drain Hose(O.D / I.D.)		mm(in)	21.5 / 16.0(0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,030*325*250
		inch	40.6*12.8*9.8
	Outdoor (W*H*D)	mm	770*545*288
		inch	30.3*21.5*11.3
Net Weight	Indoor	kg(lbs)	12.4(27.3)
	Outdoor	kg(lbs)	32.4(71.4)
Gross Weight	Indoor	kg(lbs)	13.4(29.5)
	Outdoor	kg(lbs)	34.5(76.1)
Operation Range	Cooling(Outdoor)	°C(°F)	18~48(64.4~118.4)
	Heating(Outdoor)	°C(°F)	-5~24(23.0~75.2)
Piping Length (Min/Max)		m(ft)	- / 20(65.6)
Chargeless		m(ft)	7.5(24.6)
Max. Elevation Difference		m(ft)	10(32.8)
Tool Code(Chassis)	Indoor + Outdoor		SC + UL2
Functions	Temperature Control		Thermistor
	Allergy free filter		-
	Plasma Filter		-
	Prefilter(washable/anti-fungus)		O
	Auto Clean		O
	CHAOS Wind(Auto Wind)		-
	Steps, Fan/Cool/Heat		3/4/4
	Airflow Direction Control(up& Down)		Auto
	Airflow Direction Control(left & right)		Manual
	Remote Controller Type		Wireless LCD(BETTER)
	Setting Temperature Range	Cooling	18°C ~ 30°C
		Heating	16°C ~ 30°C
	Auto Operation (Micom Control)		-
	Auto Changeover (Micom Control)		O
	Self Diagnosis		O
	Timer		24h, On/Off
	Sleep Operation		O
	Soft Dry Operation		O
	Restart Delay(minute)		3
	Deice Control(Defrost)		O
	Hot Start		O
	Jet Cool		O
	Low Ambient Operation		-
	Special Function		-

Note:

O : Applied, - : No relation

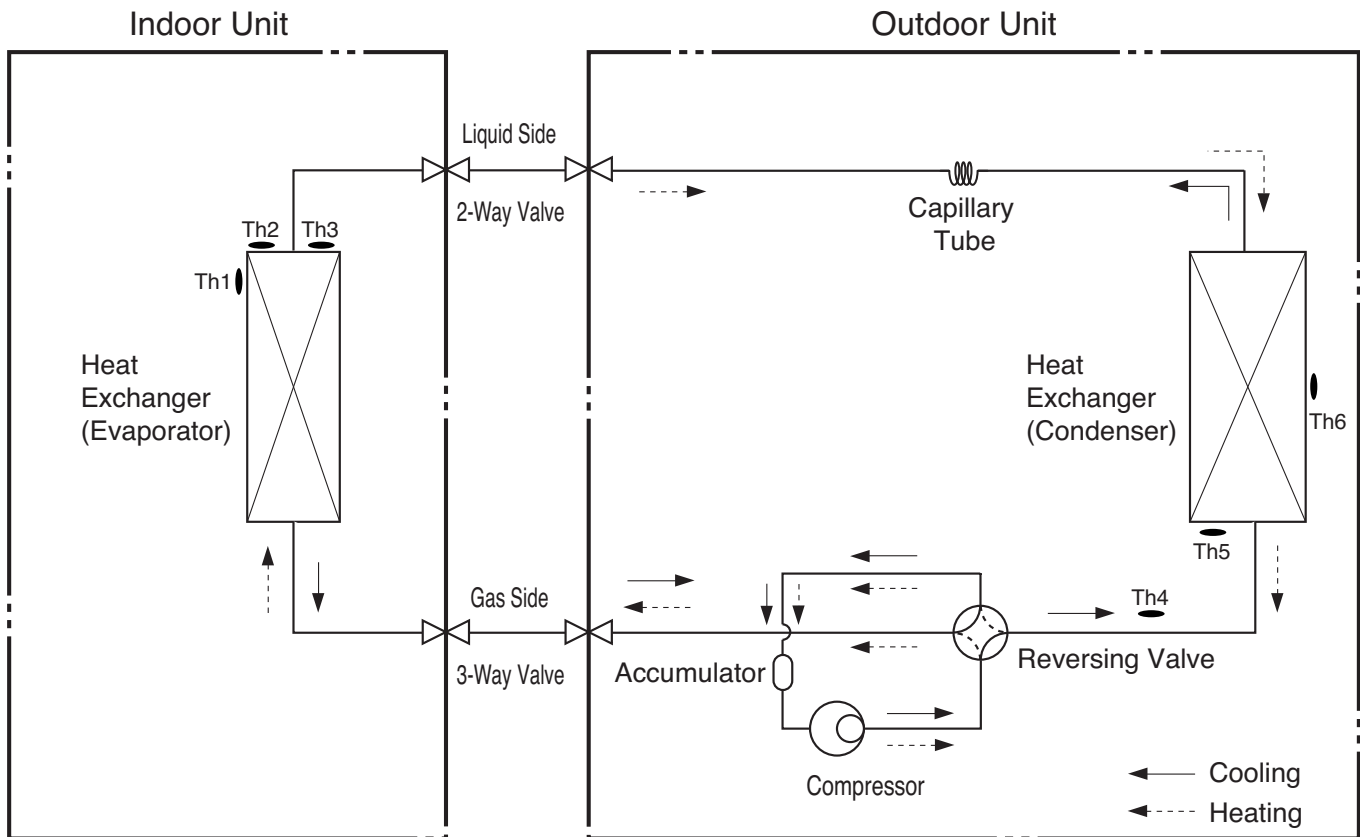
* For circuit breaker rating, please conform to local standards wherever necessary.

* Some of functions are slightly different depending upon models.

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

Piping Diagrams

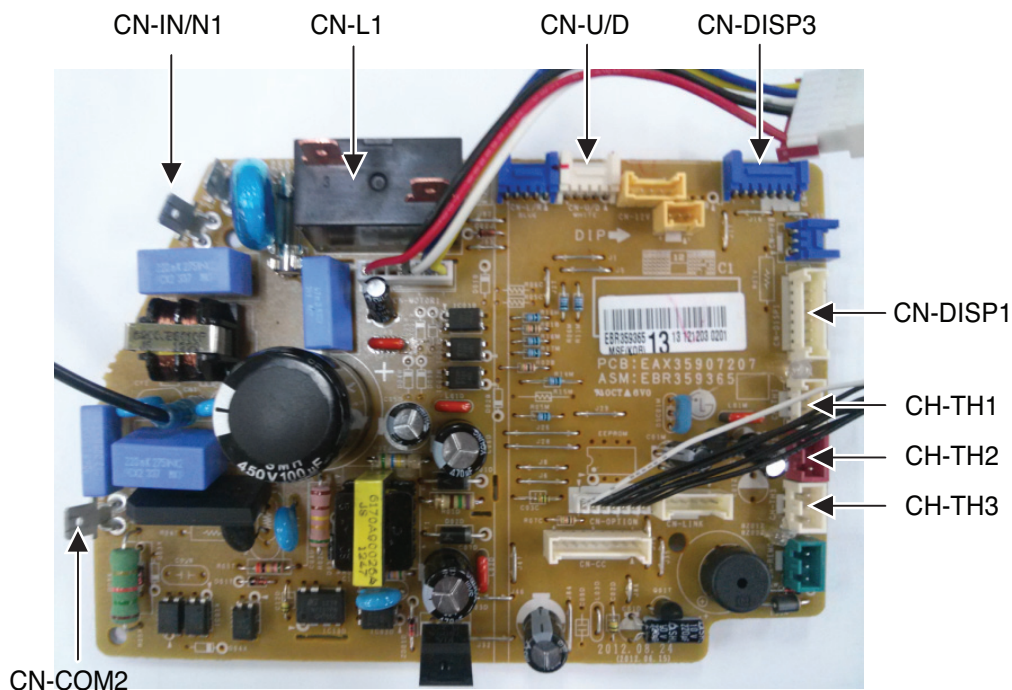
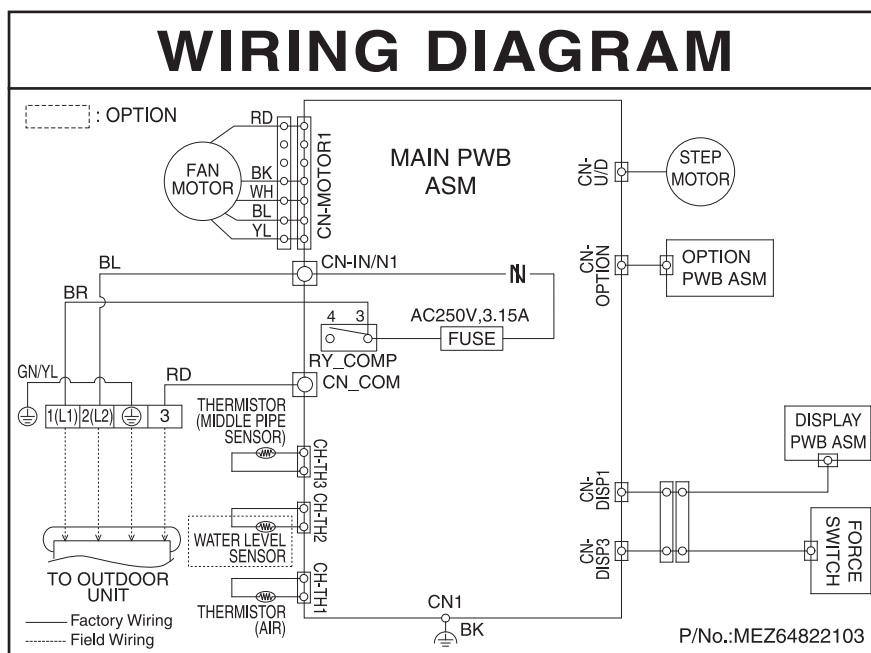
Model : AS-W183CSA7



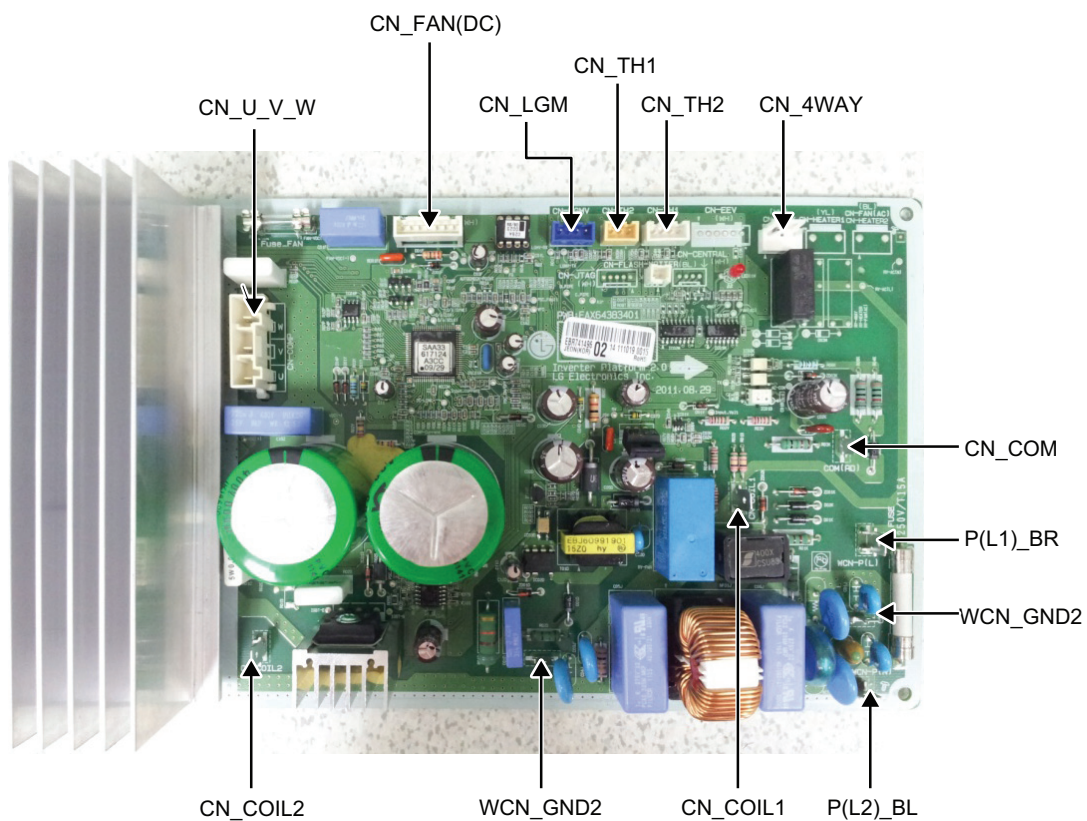
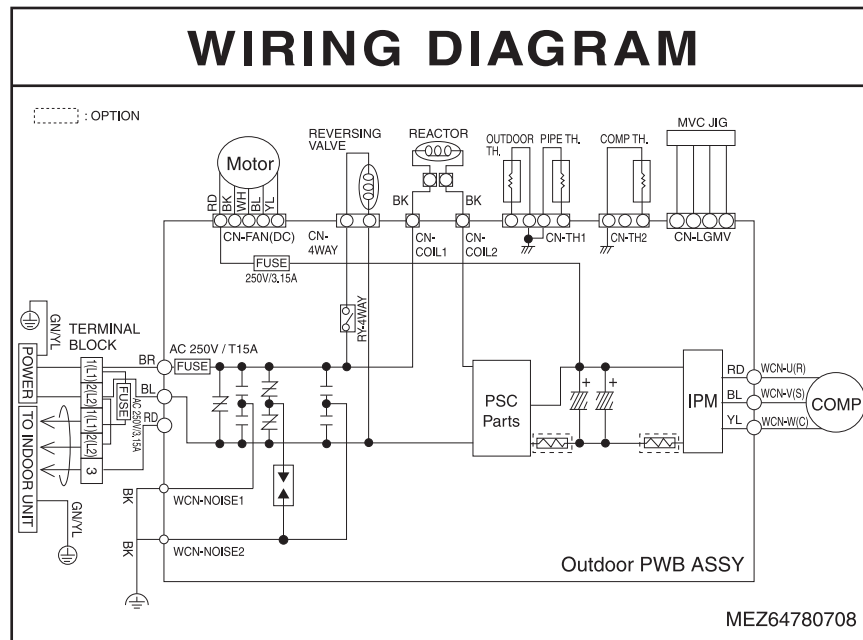
LOC	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CH-TH1(Indoor)
Th2	Water level sensor (Option)	CH-TH2(Indoor)
Th3	Thermistor for evaporating temperature	CH-TH3(INDOOR)
Th4	Thermistor for discharge pipe temperature	CN-TH2(OUTDOOR)
Th5	Thermistor for condensing temperature	CN-TH1(OUTDOOR)
Th6	Thermistor for outdoor air temperature	CN-TH1(OUTDOOR)

Wiring Diagrams

Indoor Unit



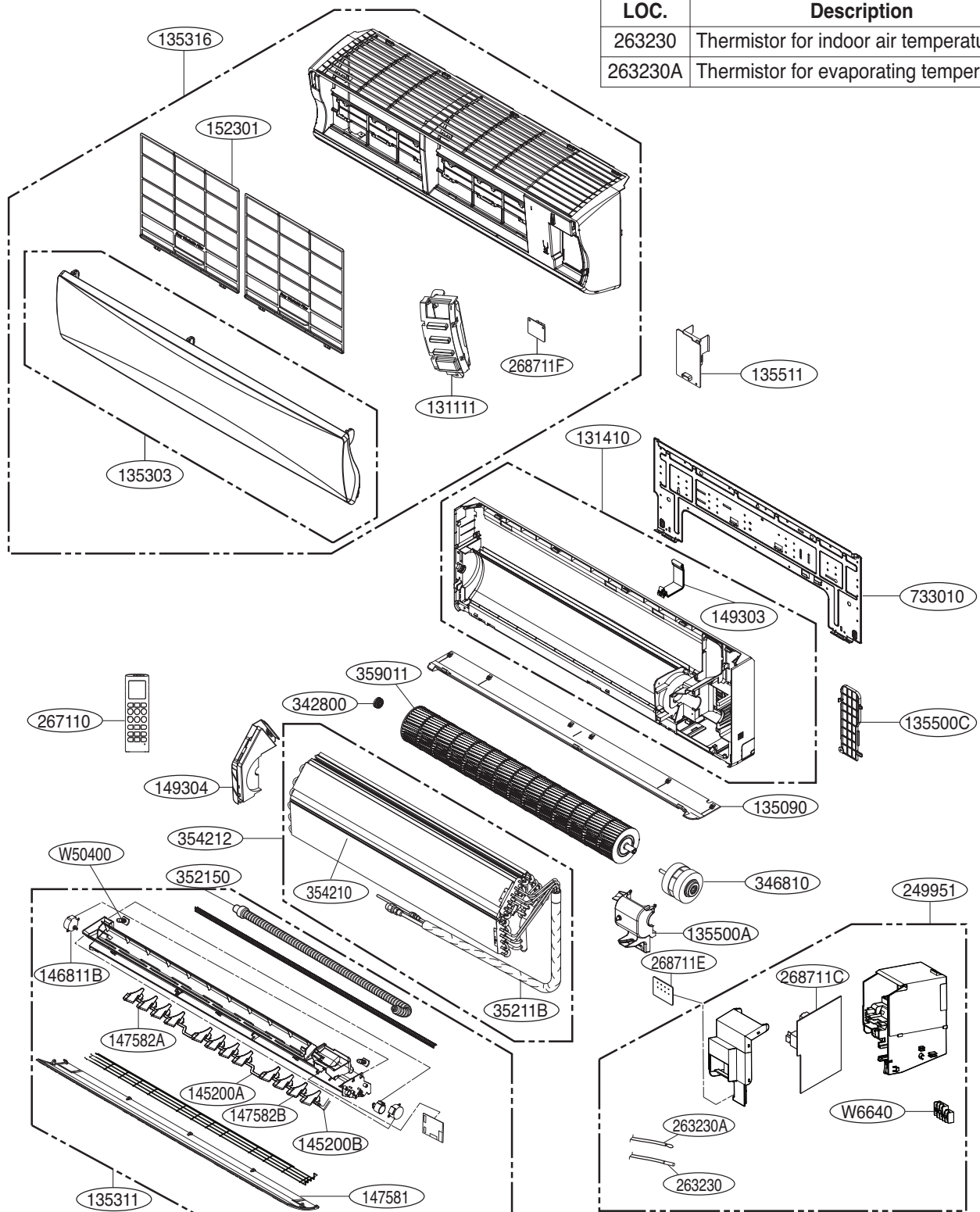
Outdoor Unit



Exploded View

Indoor Unit

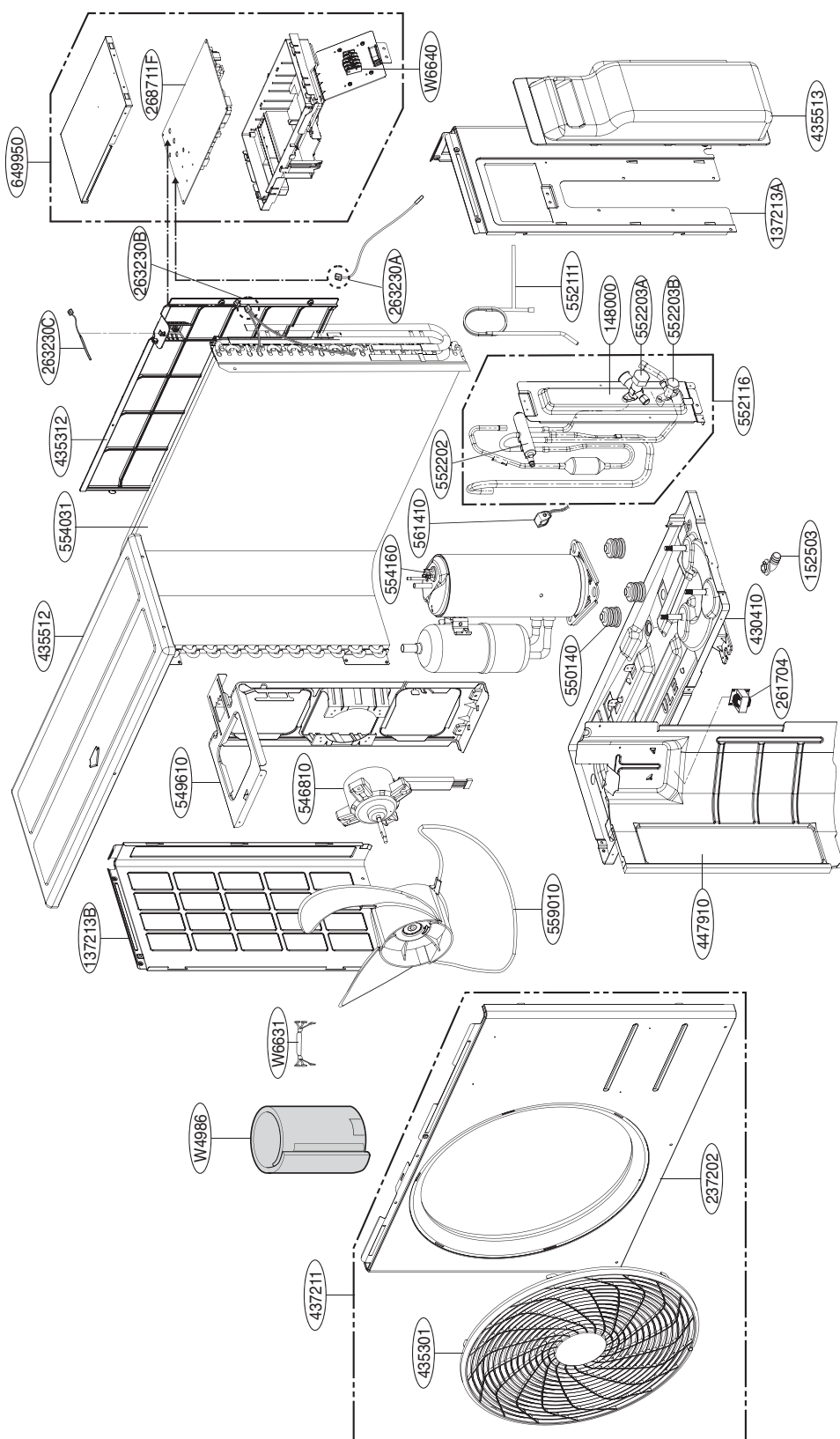
• Model: ASNW183CSA7



LOC.	Description
263230	Thermistor for indoor air temperature
263230A	Thermistor for evaporating temperature

Outdoor Unit

• Model : ASUW183CSA7



Desc	LOC
TH_D-Pipe	263230B
TH_Mid Pipe	263230A
TH_Air	263230C



P/NO : MFL67499919

June, 2015