



Internal Use Only

<http://www.lge.com>

Room Air Conditioner

SVC MANUAL(Exploded View)

MODEL : AMNW18GDCL0 [LMN186HVT]

CAUTION

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

1. Specification

Indoor

Model			AMNW18GDCL0 [LMAN186HV]
Power Supply		Ø / V / Hz	1/208-230/60
Capacity(*)		Btu/h Class	18,000
Current	Running Current	A	0.28
Fan	Motor Type		BLDC
	Fan Type		Cross Flow Fan
	Motor Output(W) x No. of Unit		20x1
	Air Flow Rate (H / M / L)	CMM	12/10/8.2
		CFM	247/230/212
	External Static Pressure	mmAq	-
	Capacitor	µF / Vac	-
	Drive		Direct Drive
Coil	Row x Column x FPI		3R x 18C x 22
Dimensions (W x H x D)	Body	mm	1030 x 325 x 250
		inch	40-9/16 x 12-25/32 x 9-27/32
	Decorative Panel	mm	-
		inch	-
Net Weight	Body	kg (lbs)	11(24.5)
	Decorative Panel	kg (lbs)	-
Air Filter			Long Life Filter
Sound Level (H / M / L)		dB(A)+3	37/33/28
Piping	Liquid	mm (inch)	6.35 (1/4)
Connections	Gas	mm (inch)	12.7 (1/2)
	Drain(OD/ID)	mm (inch)	21.5/16 (0.846/0.630)
Dehumidification Rate		l/h	1.9
Safety Devices			Fuse, Thermal Protector for Fan Motor
Temperature Sensor			Thermistor
Refrigerant			R410A
Refrigerant Control			EEV(in Outdoor unit or BD)
Transmission Interunit Cable		No. x AWG	4x18(including earth)

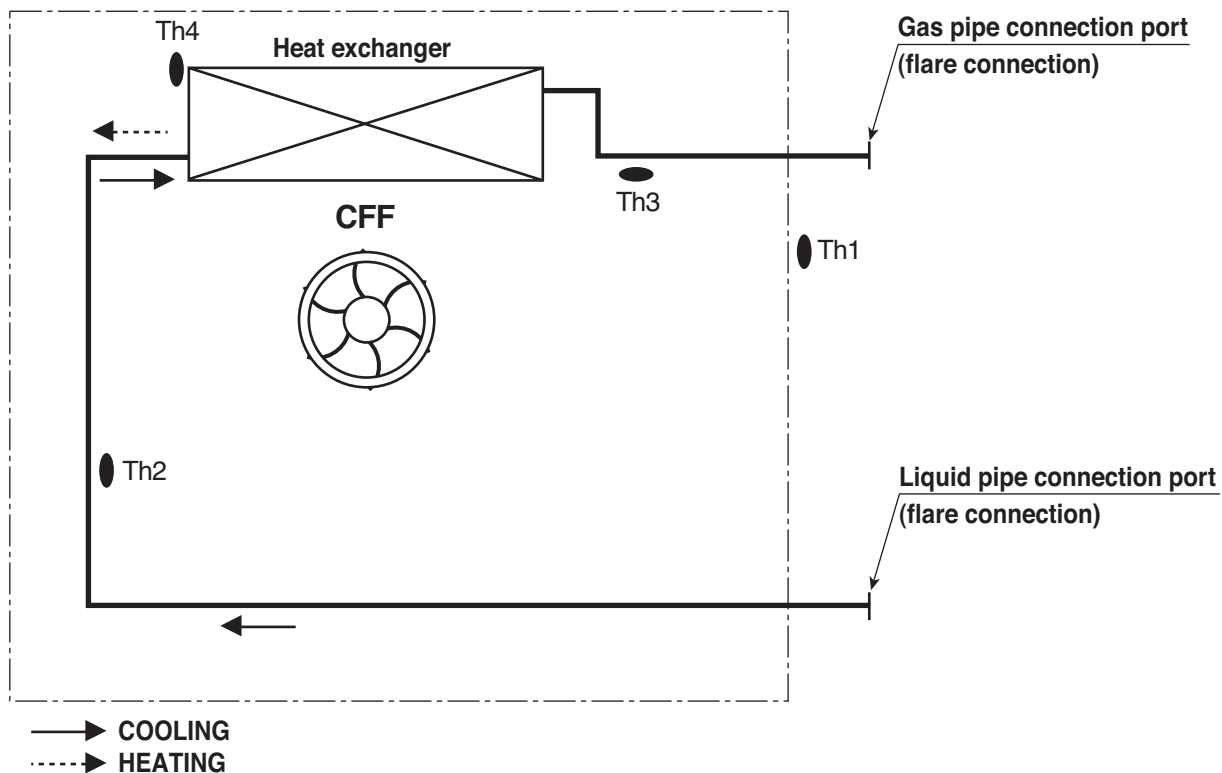
Note:

- 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
- Wiring cable size must comply with the applicable local and national code.
- The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula
kW = Btu/h x 0.0002931
cfm = CMM x 35.3

2. Piping Diagrams

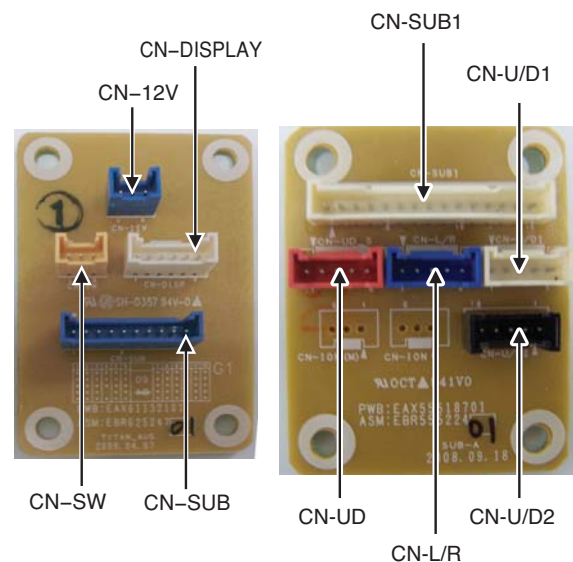
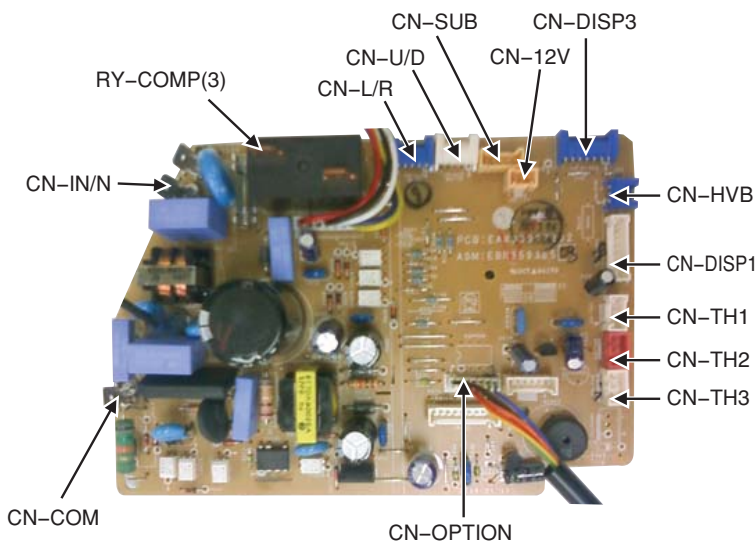
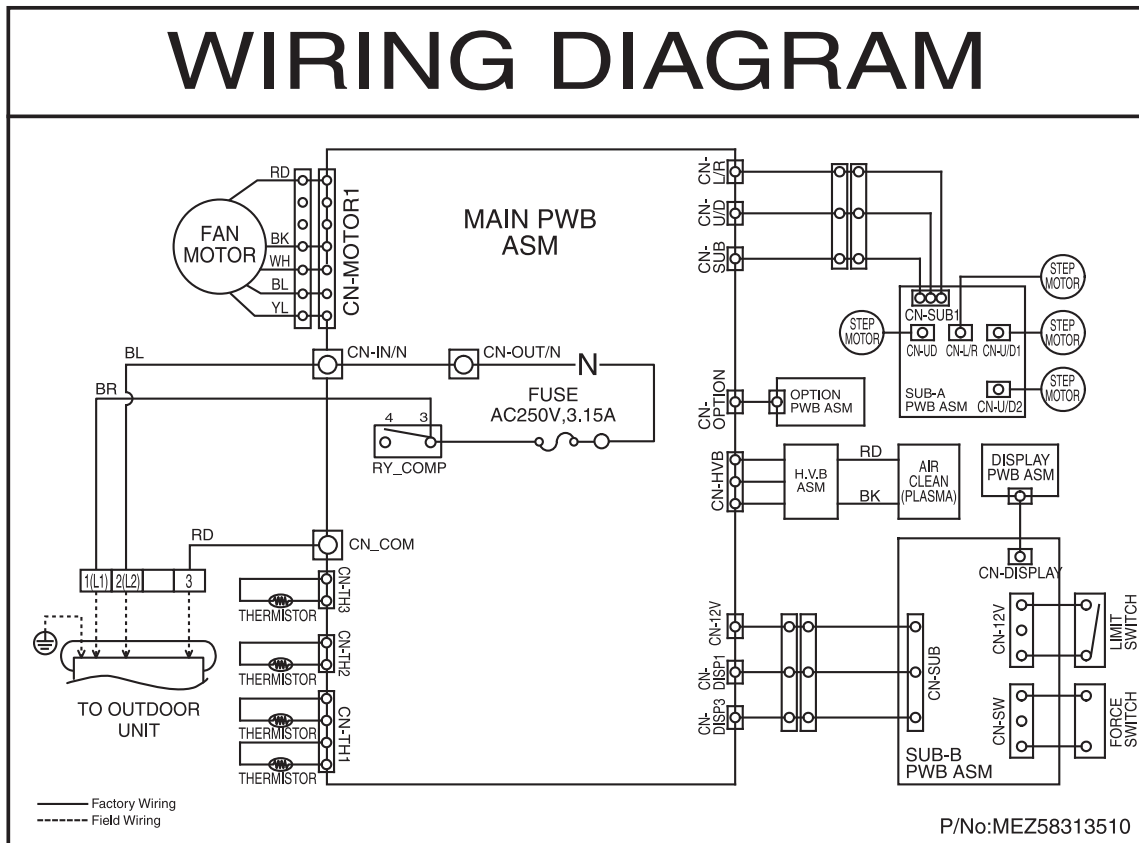
Indoor



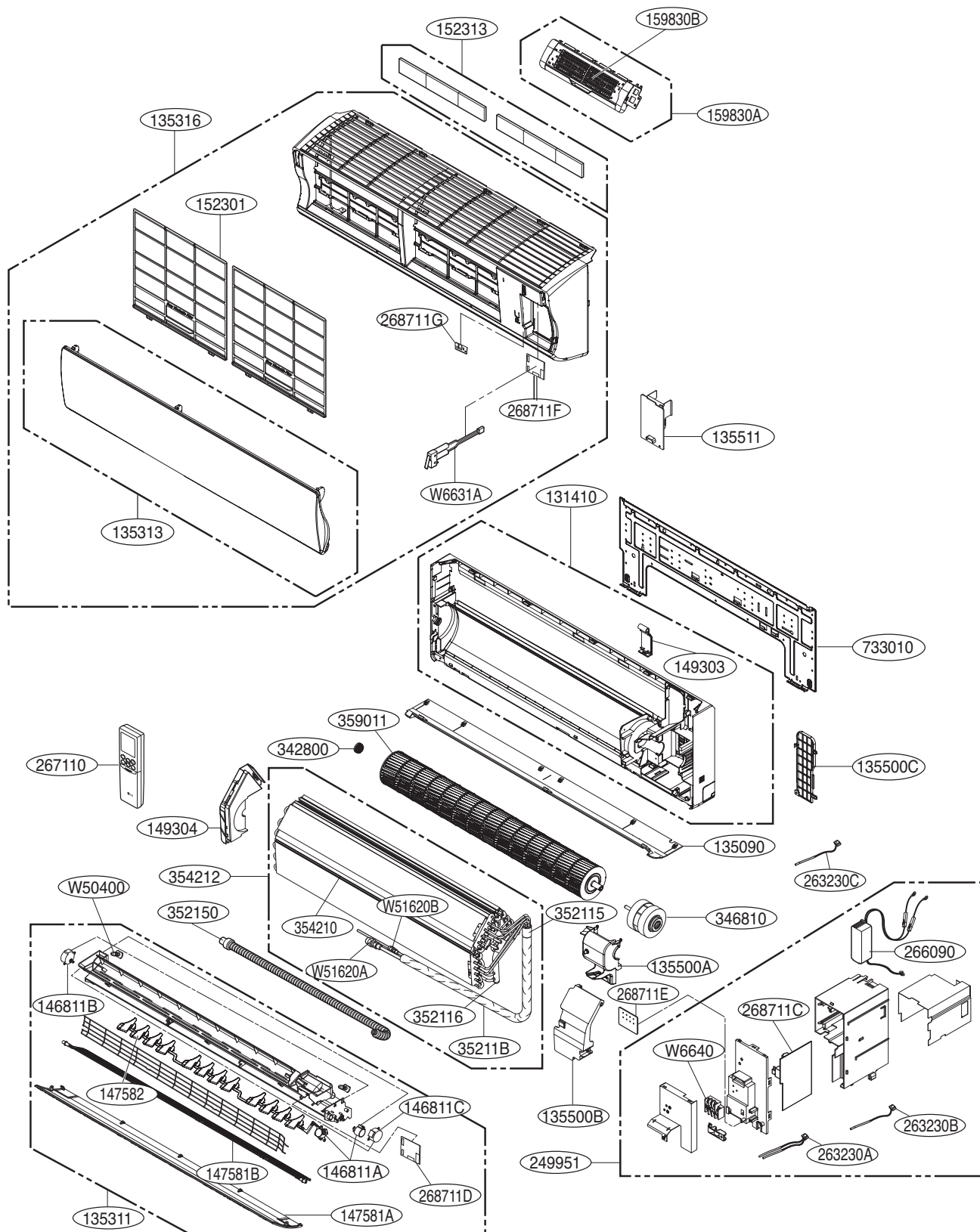
LOC.	Description	PCB Connector
Th1	Thermistor for sunction air temperature	CN-TH1(Indoor)
Th2	Thermistor for evaporator inlet temperature	
Th3	Thermistor for evaporator outlet temperature	CN-TH2(Indoor)
Th4	Thermistor for evaporator middle temperature	CN-TH3(Indoor)

3. Wiring Diagrams

Indoor Unit



4. Exploded View



Note) * Please ensure GCSC since the replacement parts may be changed depending upon the buyer's request.
Please check the correct parts in View RPL(Replacement Part List) on GCSC.
(GCSC Website <http://www.lge.com>)



P/NO : MFL61777626

NOVEMBER, 2010