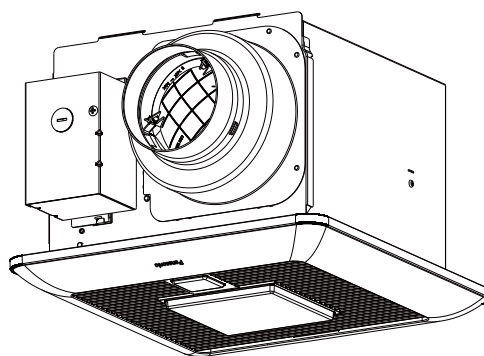


Service Manual

Ventilating Fan
(North America Market)



FV-0511VQCL1

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by in the Schematic Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without the manufacturer's approval.

Please have a static electricity depletion process in place before handling these components..

Please use gloves when handling PCB parts during the repair process..

CONTENTS	PAGE
1.Specification	1
2.Parts Identification	2 ~ 4
3.Wiring Diagram	5
4.Parts List	6 ~ 7

1. Specification

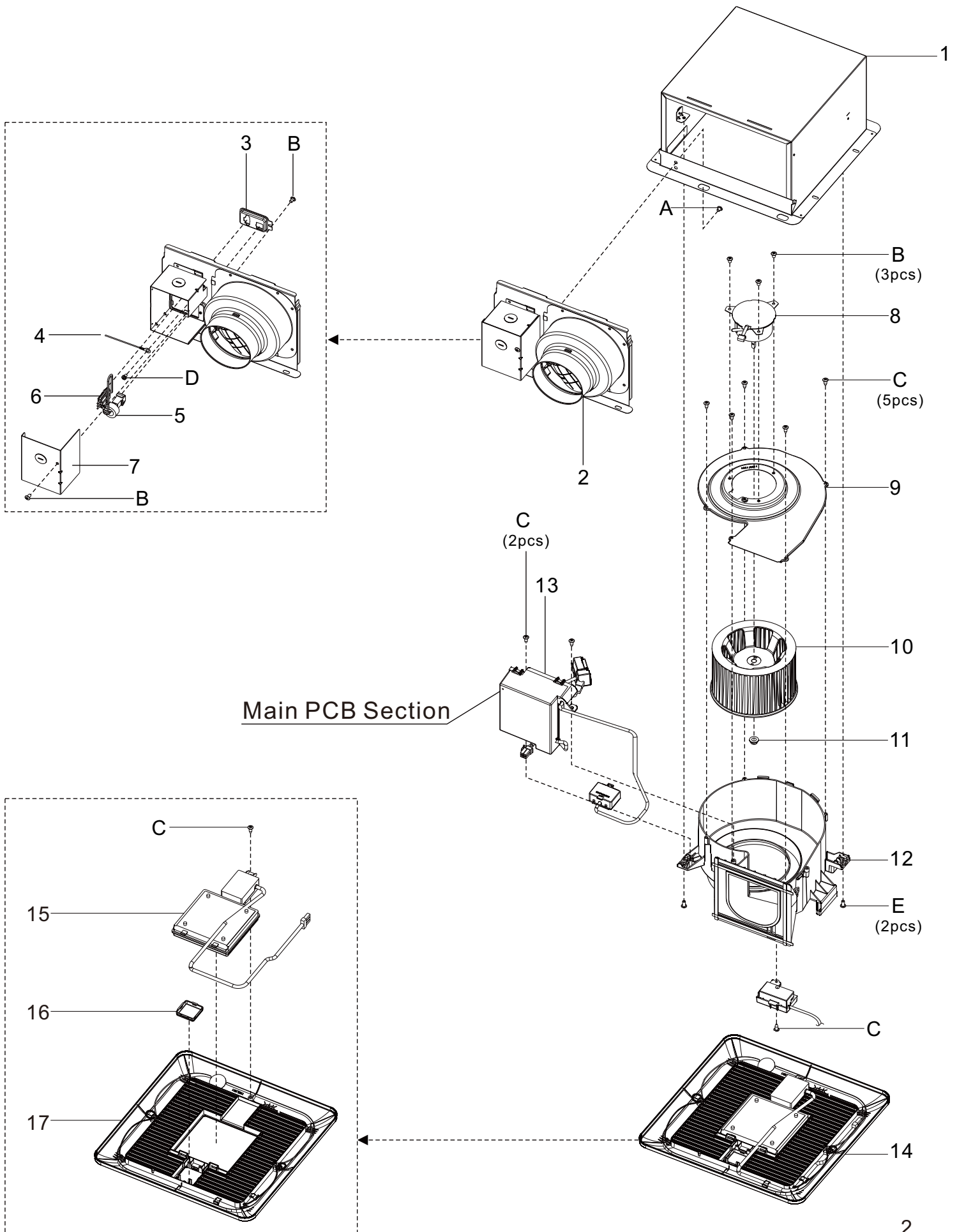
Model No.	Air direction	Voltage (V)	Frequency (Hz)	Duct diameter (Inches)	Air volume at 0.1"WG (CFM)	Noise (sones)	Speed (rpm)	Power (W)	Weight lb. (kg)
FV-0511VQCL1	Exhaust	120	60	4 or 6	50	< 0.3	768	4.0	10.1 (4.6)
					80	< 0.3	867	6.1	
					110	0.4	1016	11.0	

HVI Certified performance based on HVI Procedures 915, 916, and 920.

2. Parts Identification

FV-0511VQCL1

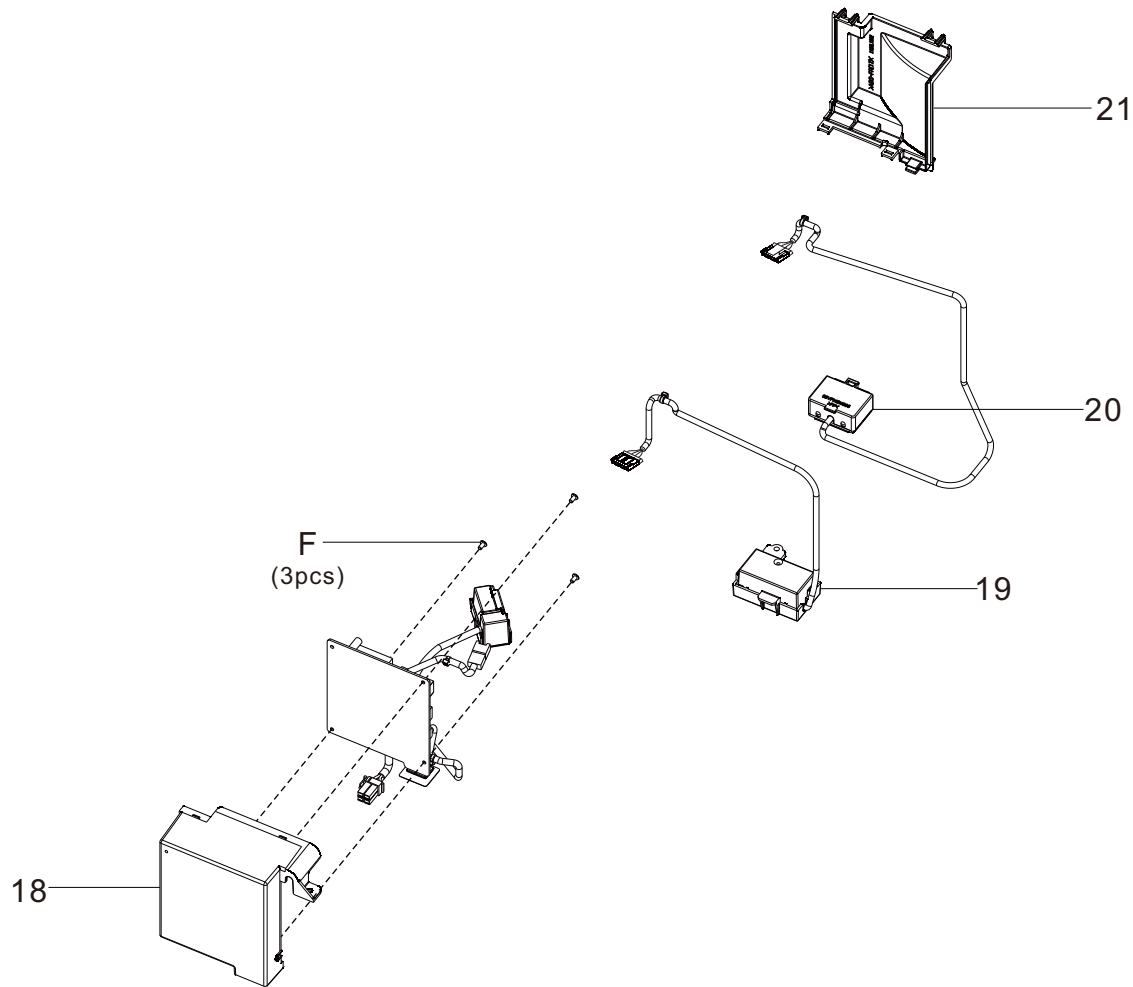
Main Body Section



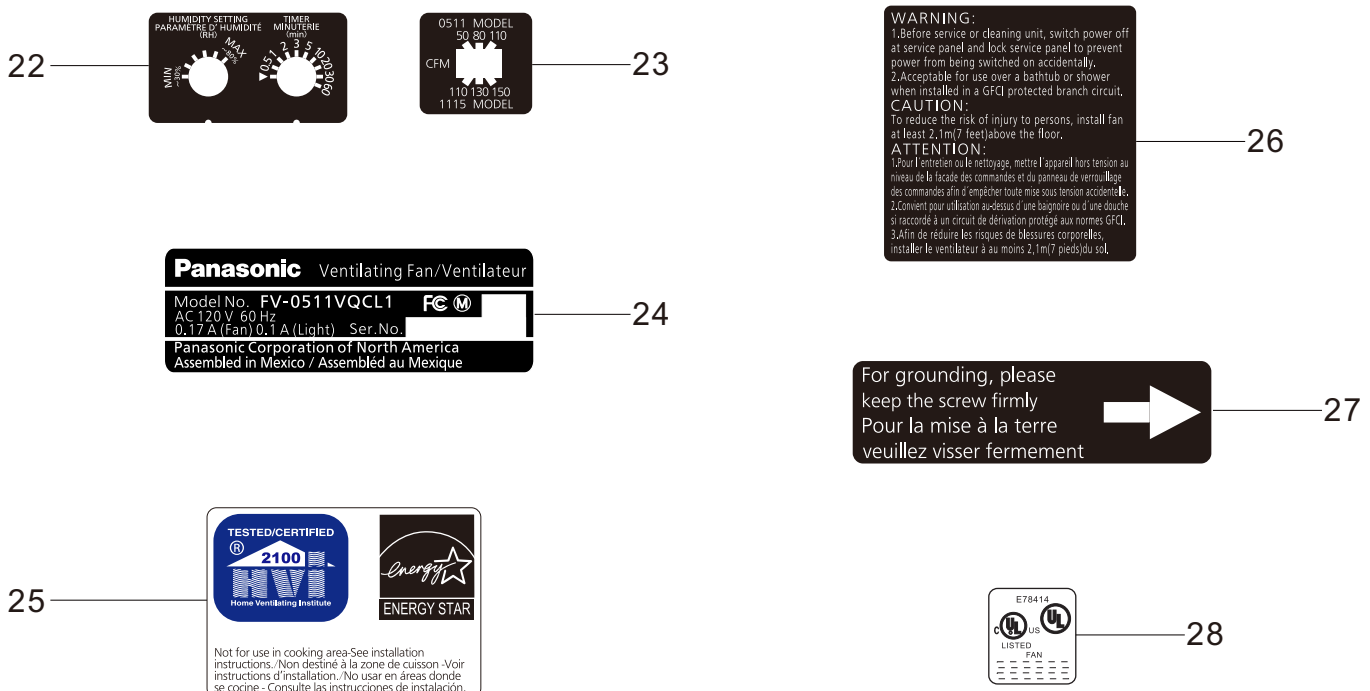
2. Parts Identification

FV-0511VQCL1

Main PCB Section



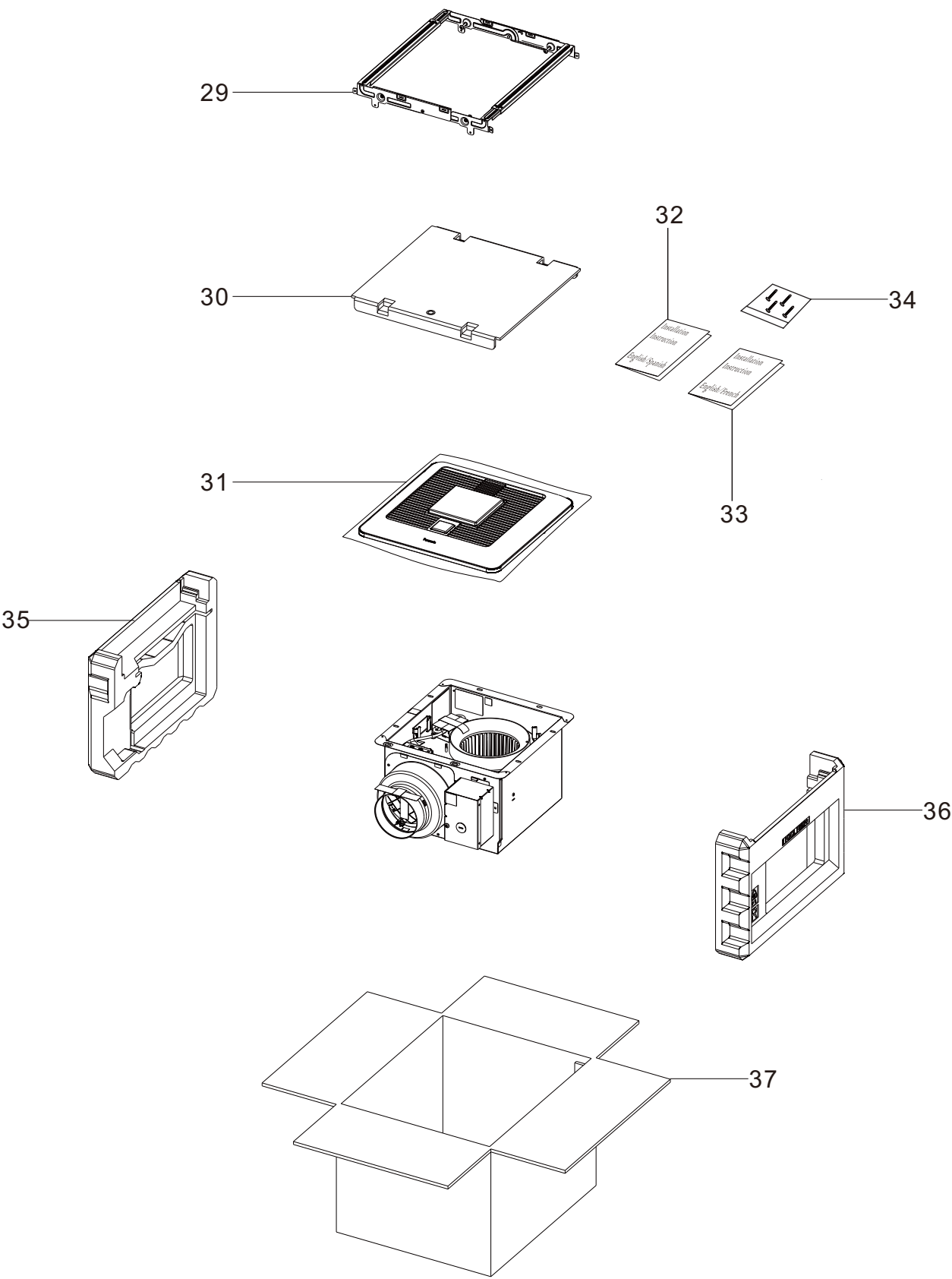
Main Label



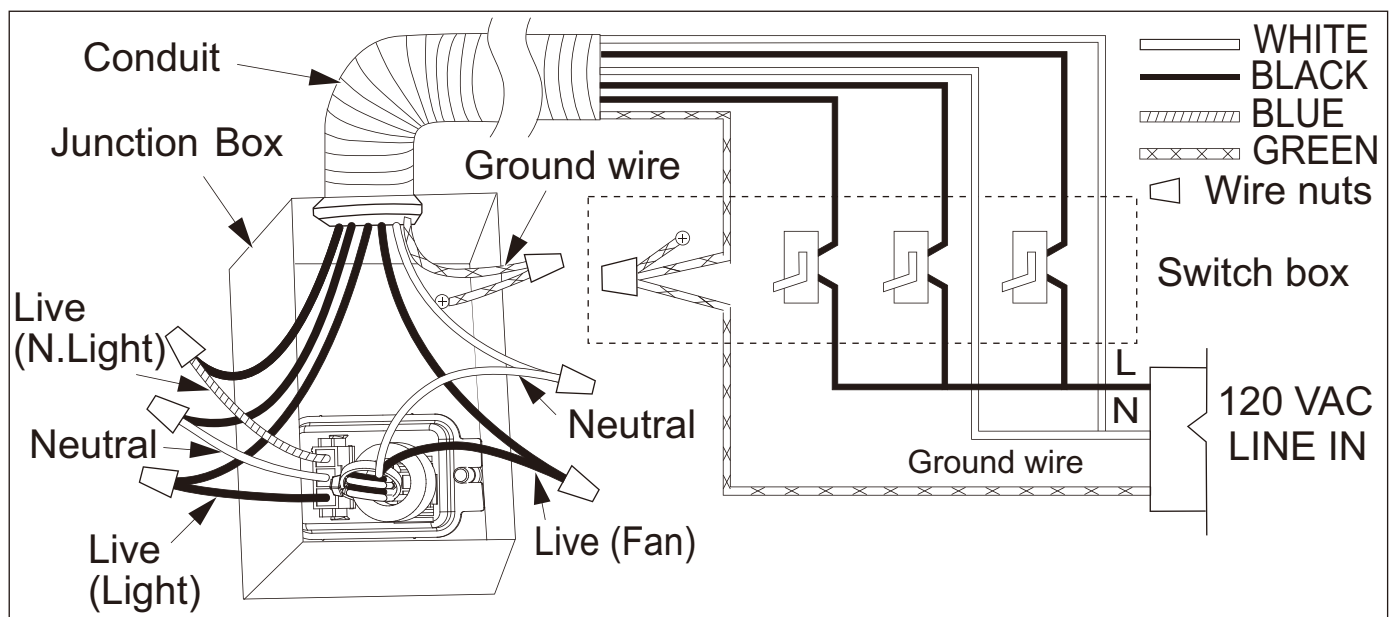
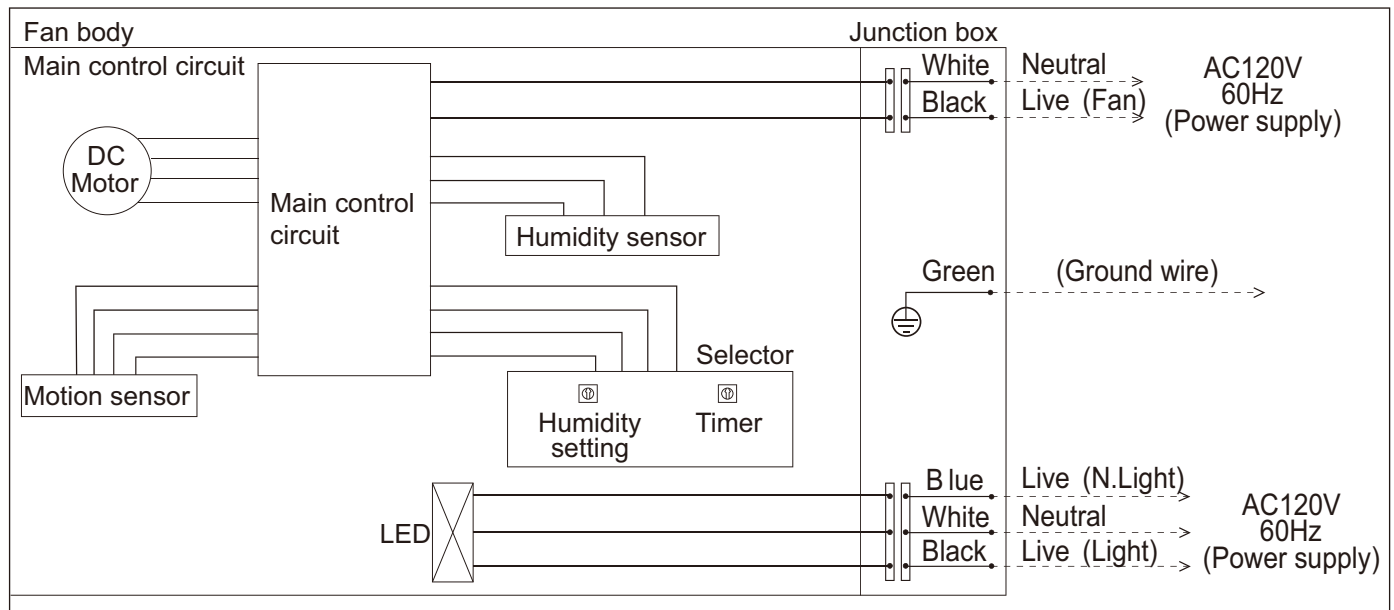
2. Parts Identification

FV-0511VQCL1

Packing Section



3.Wiring Diagram



4. Parts List

FV-0511VQCL1

Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFV11QCL1900C	Frame Assembly	1	
2	FFV11QCL1910	Adapter Assembly	1	
3	FFV11QCL1913	Connector Plate	1	
4	FFV11QCL1331	Ground Wire	1	
5	FFV11QCL1301A	Connector Assy	1	
6	FFV11QCL1341A	Connector Assy (L)	1	
7	FFV11QCL1912A	Junction Cover	1	
8	FFV11QCL1M20A	Motor	1	
9	FFVS11QCL1904C	Motor Support Assy	1	
10	FFVM11KSL1802B	Blade	1	
11	FFV25RG50810A	Nut	1	
12	FFVS11QCL1906B	Casing Section	1	
13	FFV0511VQCL1UPCB	Main PCB section	1	
14	FFV0511VQCL1A	Grill Assembly	1	
15	FFV510SCL070A	Led Unit	1	
16	FFV13KML3996C	Sensor Cover	1	
17	FFV0511VQCL1S	Grill Section	1	
A	FFVXYM4-E8FJ	Screw (M4-8)	1	
B	FFVXTT4-8FFJ	Screw (ST4-8)	5	
C	FFVXTT4-12GFJ	Screw (ST4-12)	9	
D	FFVXYM4DC8BN	Screw w/washer(M4-8)	1	
E	FFVXSB4-12FJ	Screw (M4-12)	2	

Main PCB Section

18	FFV11QCL1991D	Main PCB Box	1	
19	FFV11QCL1560	S.W PCB Assy Set	1	
20	FFV11QCL1540	Motion Sensor	1	
21	FFV11QCL1992C	Main PCB Cover	1	
F	FFVXTN3-8GFJ	Screw (M3-8)	3	

4. Parts List

FV-0511VQCL1

Main Label

No.	Part No.	Part Name	Q'ty	Remark
22	FFV11QCL1011A	Switch Label	1	
23	FFV11QCL1012A	CFM Label	1	
24	FFV11QCL1050	Name Plate	1	
25	FFV08VSL3M082A	Caution Label 1	1	
26	FFV08VQ3M0082A	Caution Label	1	
27	FFV08VQL5M051A	Warning Label	1	
28	FFV11KSL1M020	Holograph Label	1	

Packing Section

No.	Part No.	Part Name	Q'ty	Remark
29	FFV11QCL1920	Hanger Assy	1	
30	FFV08VQ3M0137A	Grill Pad Assy	1	
31	FFV11VK1M0010	Poly Cover	1	
32	FFV11QCL1420A	Installation Inst	1	English / Spanish For USA Market
33	FFV11QCL1421	Installation Inst	1	English / French For CANADA Market
34	FFV11KSL1M031A	Accessory A	1	
35	FFV11QCL1891	Left Pad	1	
36	FFV11QCL1892	Right Pad	1	
37	FFV11QCL1400A	Packing Case Assy	1	