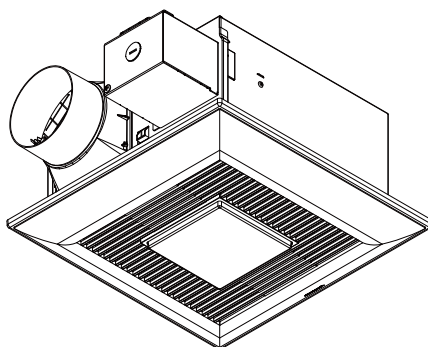


# Service Manual

Ventilating Fan  
(North America Market)



FV-0511VFL1

## ⚠ 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..

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# 1. Specification

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## ■ Specification for base Model fans

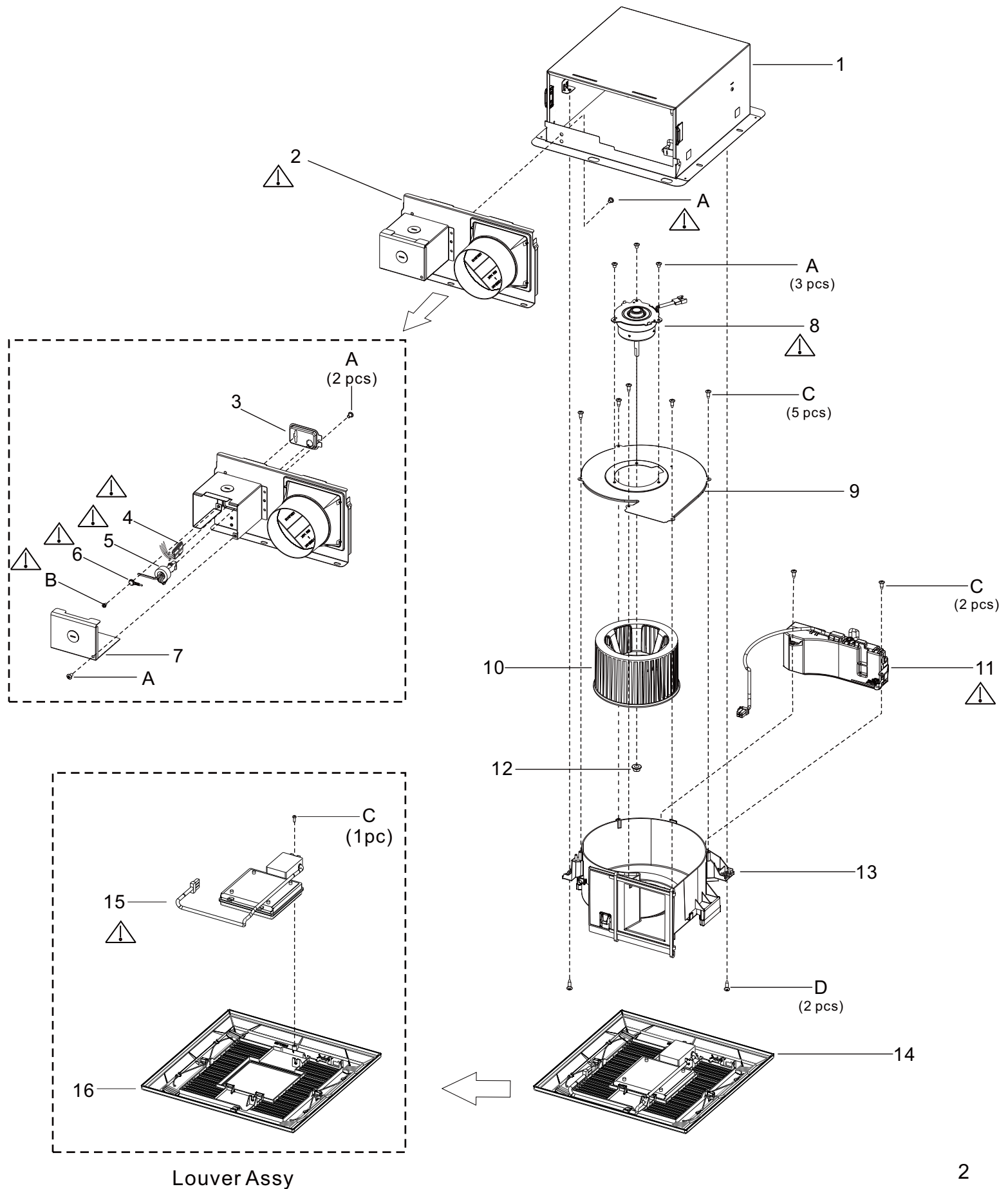
| Model No.   | Air direction | Voltage (V) | Frequency (Hz) | Duct diameter (inches) | Air volume at 0.1"WG (CFM) | Noise (sones) | Speed (rpm) | Power (W) | Weight lb.(kg) |
|-------------|---------------|-------------|----------------|------------------------|----------------------------|---------------|-------------|-----------|----------------|
| FV-0511VFL1 | Exhaust       | 120         | 60             | 4                      | 50                         | <0.3          | 833         | 4.2       | 9.9(4.5)       |
|             |               |             |                |                        | 80                         | 0.3           | 890         | 6.6       |                |
|             |               |             |                |                        | 110                        | 1.0           | 999         | 11.0      |                |

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

## 2. Parts Identification

FV-0511VFL1

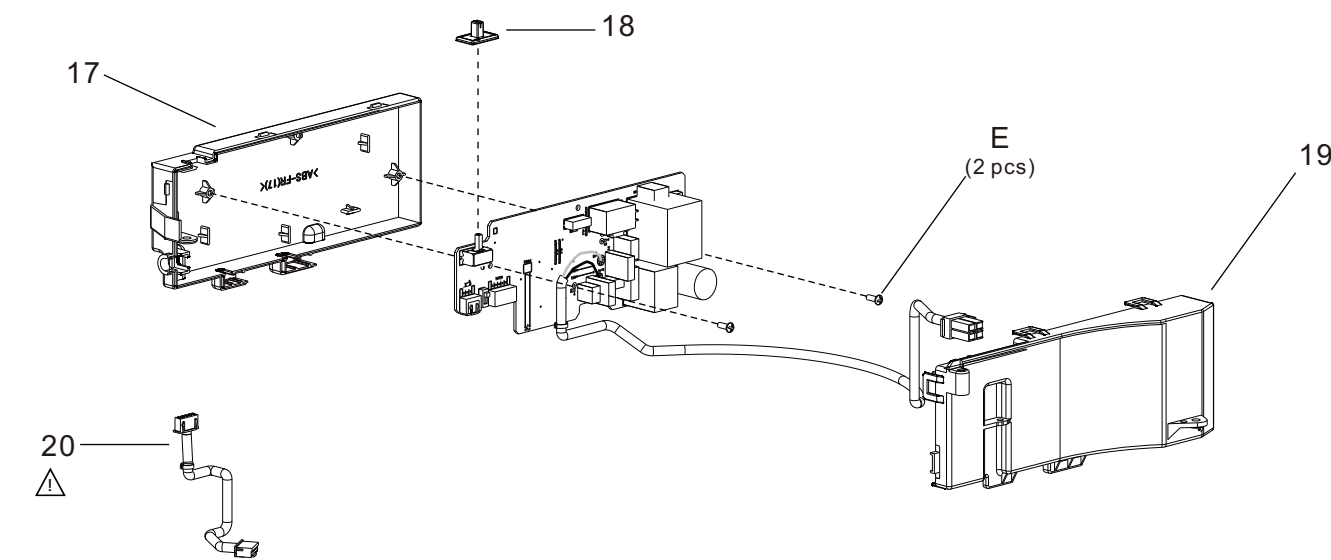
### Main Body Section



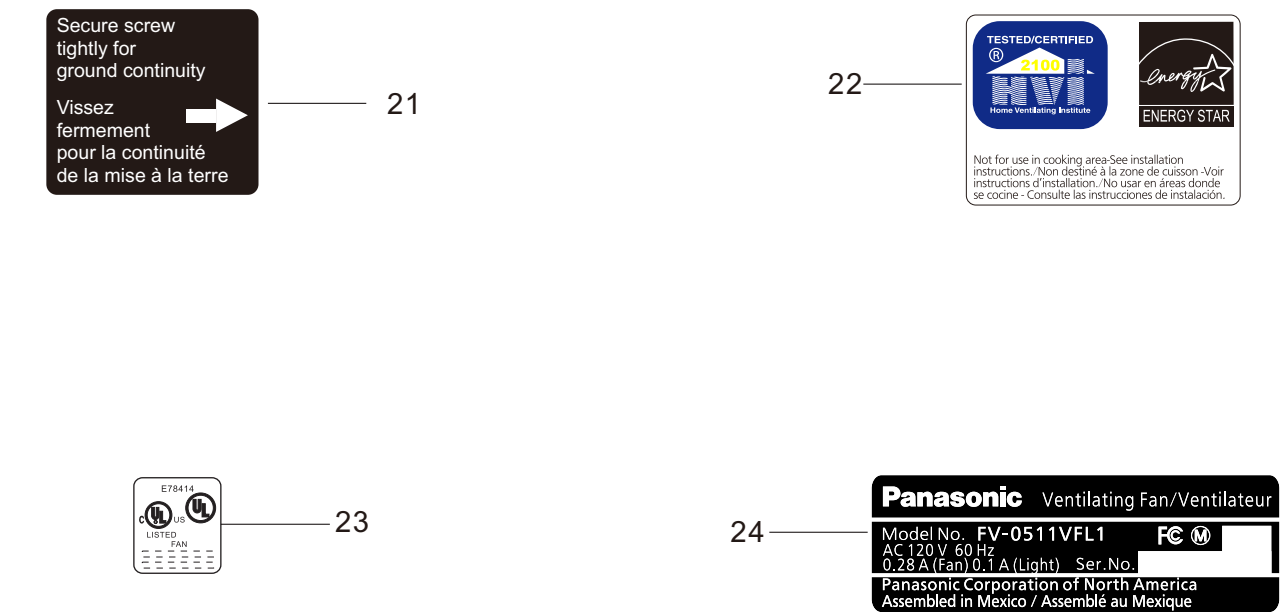
# 2.Parts Identification

FV-0511VFL1

## Main PCB Section



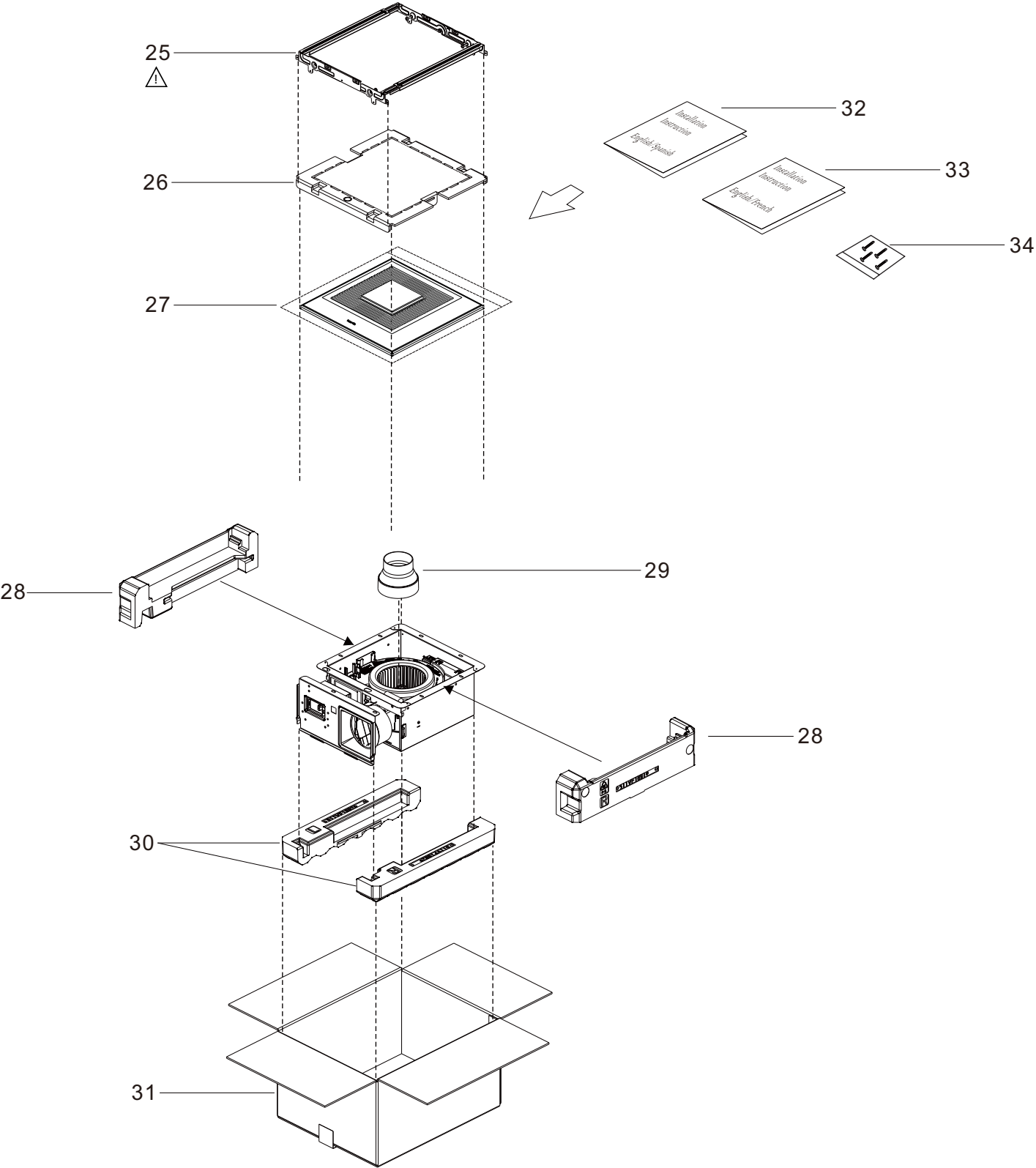
## Main Label



# 2. Parts Identification

FV-0511VFL1

## Packing Section





## 4. Parts List

FV-0511VFL1

### Main Body Section

| No. | Part No.     | Part Name              | Q'ty | Remark |
|-----|--------------|------------------------|------|--------|
| 1   | FFV511VF1900 | Frame Assembly         | 1    |        |
| 2   | FFV511FL1910 | Adapter Assembly       | 1    |        |
| 3   | FFV0900074S  | Connector Plate        | 1    |        |
| 4   | FFV0900069S  | Connector Assembly (L) | 1    |        |
| 5   | FFV511FC1301 | Connector Assembly (V) | 1    |        |
| 6   | FFV3450010S  | Earth Lead wire        | 1    |        |
| 7   | FFV2800027S  | Junction Cover         | 1    |        |
| 8   | FFV511VF1M2  | Motor                  | 1    |        |
| 9   | FFV511VF1904 | Motor Support          | 1    |        |
| 10  | FFV511VF1802 | Blade                  | 1    |        |
| 11  | FFV11VF15000 | Main PCB Section       | 1    |        |
| 12  | FFV7020021S  | Nut                    | 1    |        |
| 13  | FFV511VF1906 | Casing section         | 1    |        |
| 14  | FFV3400147S  | Louver Assy            | 1    |        |
| 15  | FFV3400148S  | Led Unit               | 1    |        |
| 16  | FFV3400149S  | Louver Unit            | 1    |        |
| A   | FFVXTT4-8FFJ | Screw (ST4-8)          | 7    |        |
| B   | FFVXYM4DC8BN | Screw w/washer(M4-8)   | 1    |        |
| C   | FFV7000089S  | Screw (ST4-12)         | 8    |        |
| D   | FFV7000065S  | Bind Screw             | 2    |        |

### Main PCB Section

| No. | Part No.     | Part Name       | Q'ty | Remark |
|-----|--------------|-----------------|------|--------|
| 17  | FFV511VF1991 | Main PCB Box    | 1    |        |
| 18  | FFV510VS1M9  | Speed Switch    | 1    |        |
| 19  | FFV510VS1992 | Main PCB Cover  | 1    |        |
| 20  | FFV511VF1321 | Motor Lead Wire | 1    |        |
| E   | FFVXTN268GFJ | Screw           | 2    |        |

### Main Label

| No. | Part No.     | Part Name         | Q'ty | Remark |
|-----|--------------|-------------------|------|--------|
| 21  | FFV51VHL1051 | Instruction Label | 1    |        |
| 22  | FFV0810011S  | Caution Label     | 1    |        |
| 23  | FFV2260003S  | Holograph label   | 1    |        |
| 24  | FFV511FL1050 | Name Plate        | 1    |        |

### Packing Section

| No. | Part No.       | Part Name              | Q'ty | Remark |
|-----|----------------|------------------------|------|--------|
| 25  | FFV11QCL1920   | Hanger Assy            | 1    |        |
| 26  | FFV511VF1450   | Louver Pad Assy        | 1    |        |
| 27  | FFV4650016S    | PolyCover with Print   | 1    |        |
| 28  | FFV511VF1891   | Top Pad                | 1    |        |
| 29  | FFV511VF1922   | Adapter Connector      | 1    |        |
| 30  | FFV511VF1892   | Bottom Pad             | 1    |        |
| 31  | FFV511FL1400   | Packing Case Assy      | 1    |        |
| 32  | FFV511FL1420   | Installation Inst (ES) | 1    |        |
| 33  | FFV511FL1421   | Installation Inst (EF) | 1    |        |
| 34  | FFV11KSL1M031A | Accessary A            | 1    |        |