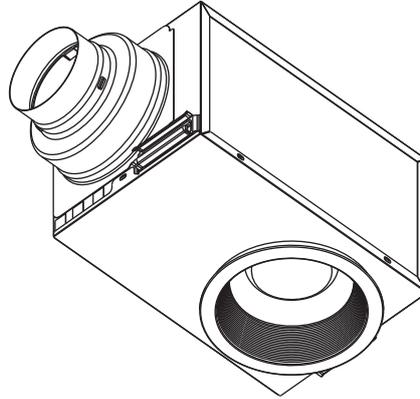


# Service Manual

Ventilating Fan  
(North America Market)

FV-08VRE2



## SPECIFICATIONS

Model No.	Air direction	Voltage (V)	Frequency (Hz)	Duct diameter (inches)	Noise at 0.1"WG (sones)	Power consumption (W)		Speed at 0.1"WG (rpm)	Air volume at 0.1"WG (CFM)	Weight lb. (kg)
						Fan	Lamp			
FV-08VRE2	Exhaust	120	60	4	1.0	18.5	8	1342	80	8.6(3.9)
				6	1.0	18.5	8	1342	80	

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

### ! 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  $\triangle$  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 permission of manufacture. We suggest to handle such parts after the static electricity prevention. It is forbidden to touch the PCB parts by bare hands during the repairing process.

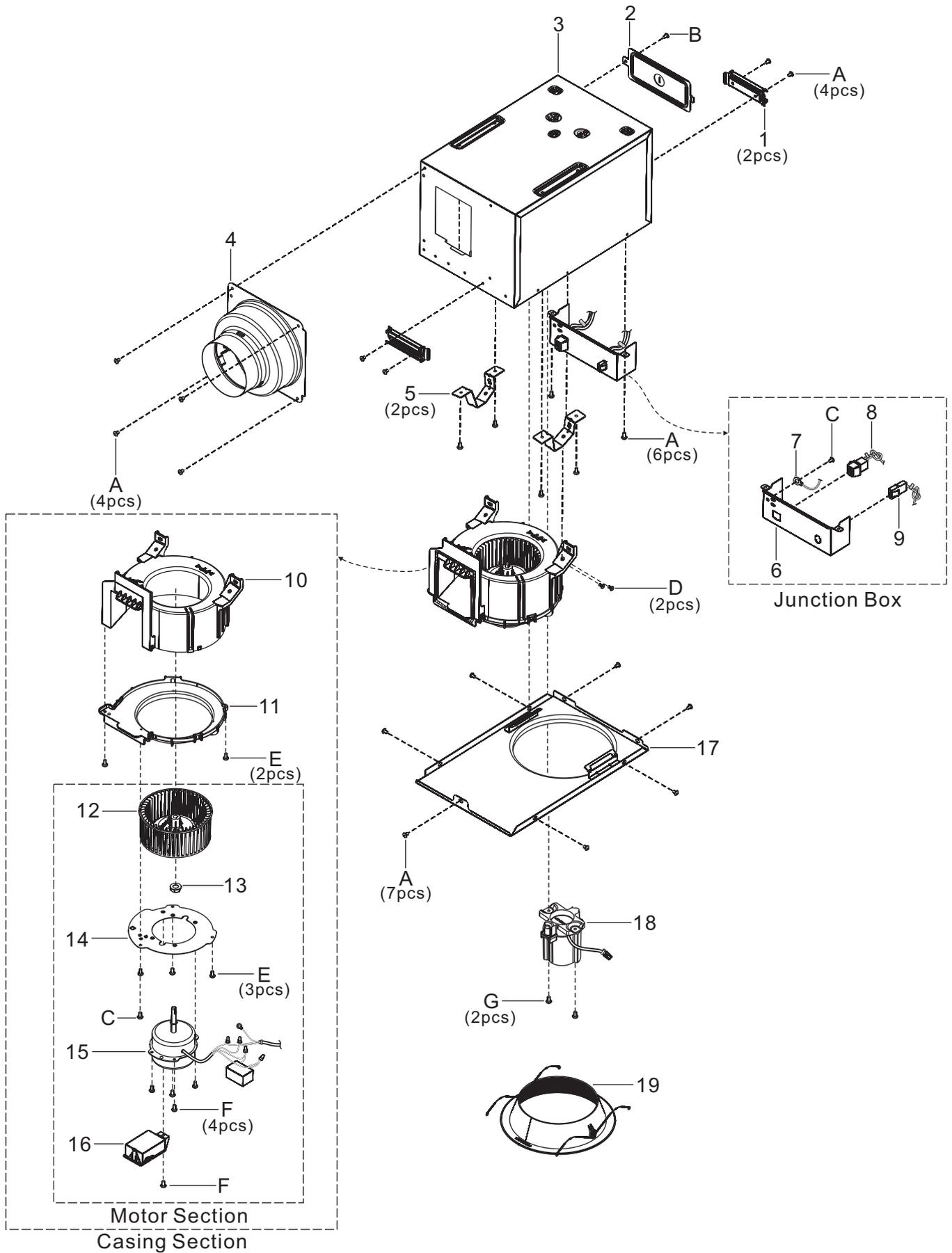
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# 1. Parts Identification

FV-08VRE2

## Main Body Section



# 1. Parts Identification

FV-08VRE2

## Main Labels



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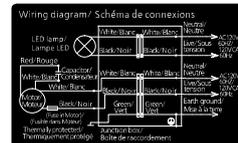
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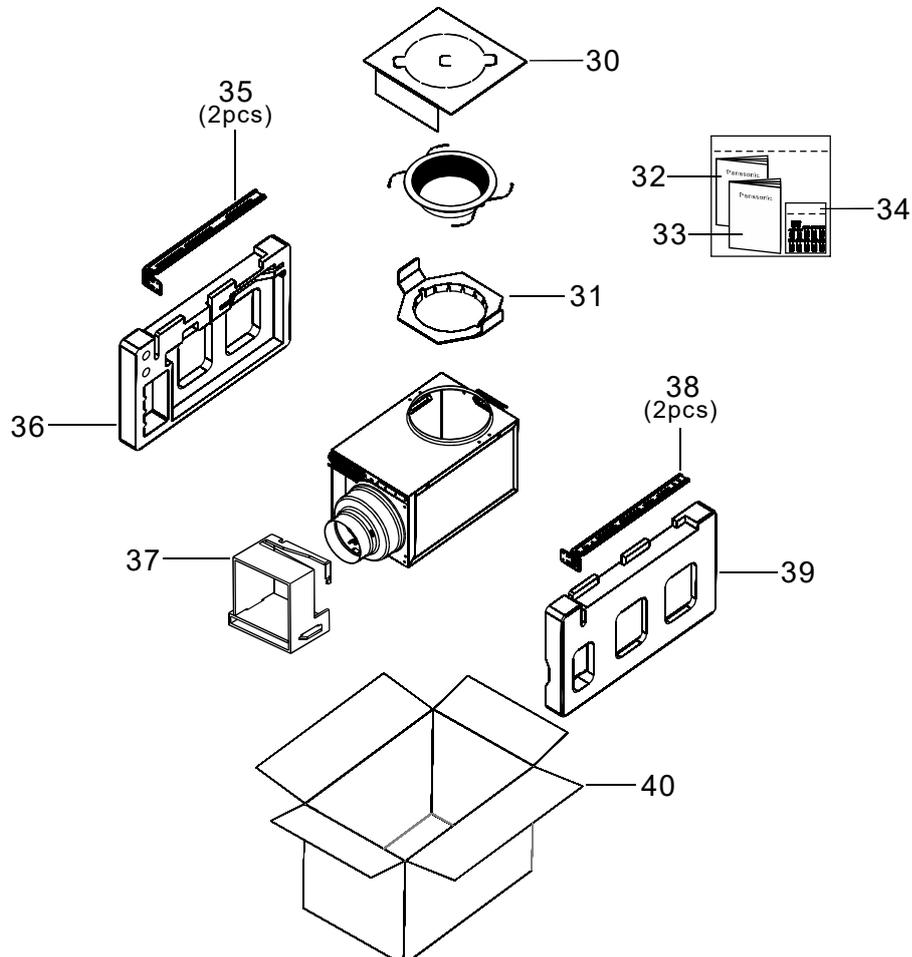


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## Packing Section

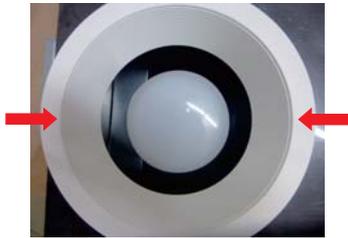


# 1. Parts Identification

FV-08VRE2

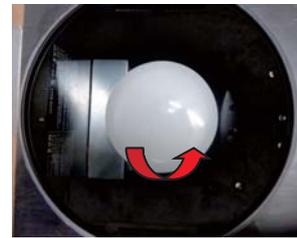
## Replace Lamp Method

Step 1.



Remove the trim assembly

Step 2.

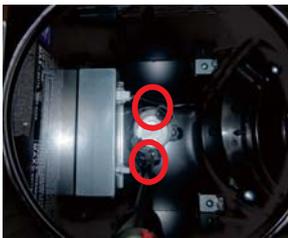


Replace the LED lamp

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## Replace Motor Unit Method

Step 1.



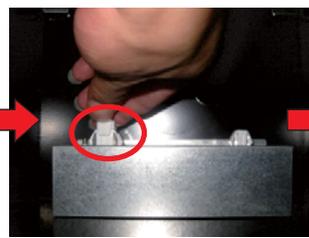
Remove 2pcs screws

Step 2.



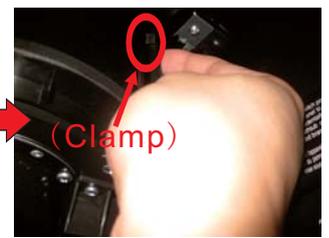
Unplug light unit assembly connector, Then take out the whole assembly

Step 3.



Unplug motor unit connector

Step 4.



Pull out the lead wire from Casing clamp

Step 5.



Remove 2pcs screws

Step 6.



Move the casing section to the hole position

Step 7.



Remove 3pcs screws

Step 8.



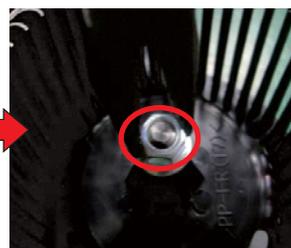
Take out the motor section

Step 9.



Remove 6pcs screws

Step 10.



Remove the blade fixing nut

Step 11.



Take out the motor unit and condenser box

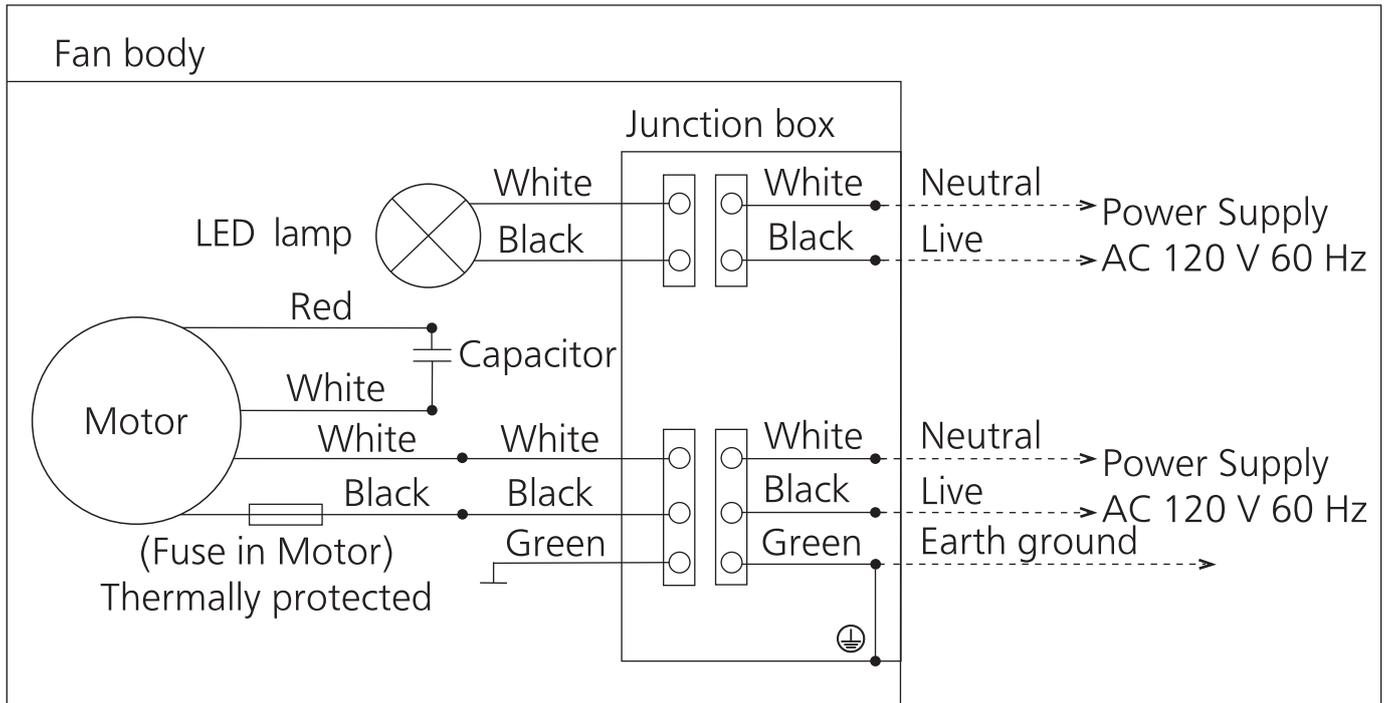
Step 12.



Replace the motor unit

## 2. Wiring diagram

FV-08VRE2



### 3. Parts List

FFV-08VRE2

#### Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFV0420027S	Bracket Cover	2	
2	FFV6710026S	Wiring Cover Unit	1	
3	FFV1600116S	Frame Assembly	1	
4	FFV0000125S	Adapter Assembly	1	⚠
5	FFV0800002S	Casing Support	2	
6	FFV2800015S	Junction Box	1	
7	FFV3402103S	Earth Lead Wire	1	⚠
8	FFV0900055S	Connector Assembly V	1	⚠
9	FFV0900056S	Connector Assembly L	1	⚠
10	FFV0790097S	Casing Assembly	1	
11	FFV3730091S	Motor Support Assembly	1	
12	FFV0400086S	Fan	1	
13	FFV7020021S	Nut	1	
14	FFV3730092S	Motor Set Plate	1	
15	FFV3730093S	Motor Unit	1	⚠
16	FFV0760050S	Condenser Box	1	
17	FFV1600117S	Frame Cover Assembly	1	
18	FFV3410044S	Light Unit Assembly	1	Product manufactured before 004(Name plate Series No. 004=Apr. 2020). The type of LED lamp should be used is 9.5BR30DIM/927/GU24 ⚠
(18)	FFV3410046S	Light Unit Assembly	1	Product manufactured after(include) 004(Name plate Series No. 004=Apr. 2020). The type of LED lamp should be used is 8BR30DIM/927/GU24 or 8BR30DIM/927/GU24/R ⚠
19	FFV5840030S	Trim Assembly	1	⚠
A	FFV7000018S	Truss Tap Screw	21	
B	FFV7000108S	Truss Tap Screw	1	
C	FFV7000211S	Earth Screw Assy	2	For Fixing Earth Lead Wire ⚠
D	FFV7000080S	Plus Bind Screw	2	
E	FFV7000073S	Truss Tapping Screw	5	
F	FFV7000079S	Pan Tap Screw	5	
G	FFV7000202S	Bind Tap Screw	2	

#### Main Labels

No.	Part No.	Part Name	Q'ty	Remark
20	FFV4020859S	Name Plate	1	
21	FFV1320001S	ESP Mark	1	

### 3. Parts List

FFV-08VRE2

#### Main Labels

No.	Part No.	Part Name	Q'ty	Remark
22	FFV6730041S	Warning Label	1	
23	FFV2260003S	UL Mark	1	
24	FFV6730112S	Warning Label	1	
25	FFV2260002S	HVI Mark	1	
26	FFV0810002S	Caution Label	1	
27	FFV4730001S	T24 Mark Label	1	
28	FFV5720015S	Scale Tape	1	
29	FFV6730083S	Wiring Label	1	

#### Packing Section

No.	Part No.	Part Name	Q'ty	Remark
30	FFV5840031S	Trim Plate Assembly	1	
31	FFV5840032S	Trim Pad 1	1	
32	FFV2540243S	Operation Instructions	1	English.
33	FFV2540244S	Operation Instructions	1	Spanish&French.
34	FFV0010236S	Accessory A	1	
35	FFV0420028S	Bracket Assembly 1	2	
36	FFV4710335S	Left Pad	1	
37	FFV9001003S	Packing Pad	1	
38	FFV0420029S	Bracket Assembly 2	2	
39	FFV4710334S	Right Pad	1	
40	FFV9001225S	Packing Case Assembly	1	