

Service Manual

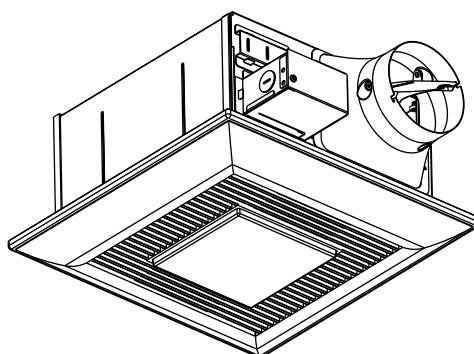
Super Quiet Ventilating Fan/Light Combination

Whisper Fit-Lite
(North America Market)

FV-05VFL4

FV-08VFL4

FV-11VFL4



Model	Air direction	Voltage (V)	Frequency (Hz)	Duct diameter (inches)	Noise (sones)	Power consumption (W)			Speed (rpm)	Air deliver at 0.1" WG (cfm)	Weight lb.(kg)
						Fan body	Lighting unit				
							Fluorescent lamp	Night lamp			
FV-05VFL4	Exhaust	120	60	4	<0.3	16	26	4	700	50	9.3 (4.2)
				3	<0.3	15			760	50	
FV-08VFL4				4	0.5	30	26	4	830	80	9.7 (4.4)
				3	0.6	30			940	70	
FV-11VFL4				4	1.3	33	26	4	910	110	9.9 (4.5)
				3	1.5	33			1050	90	

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  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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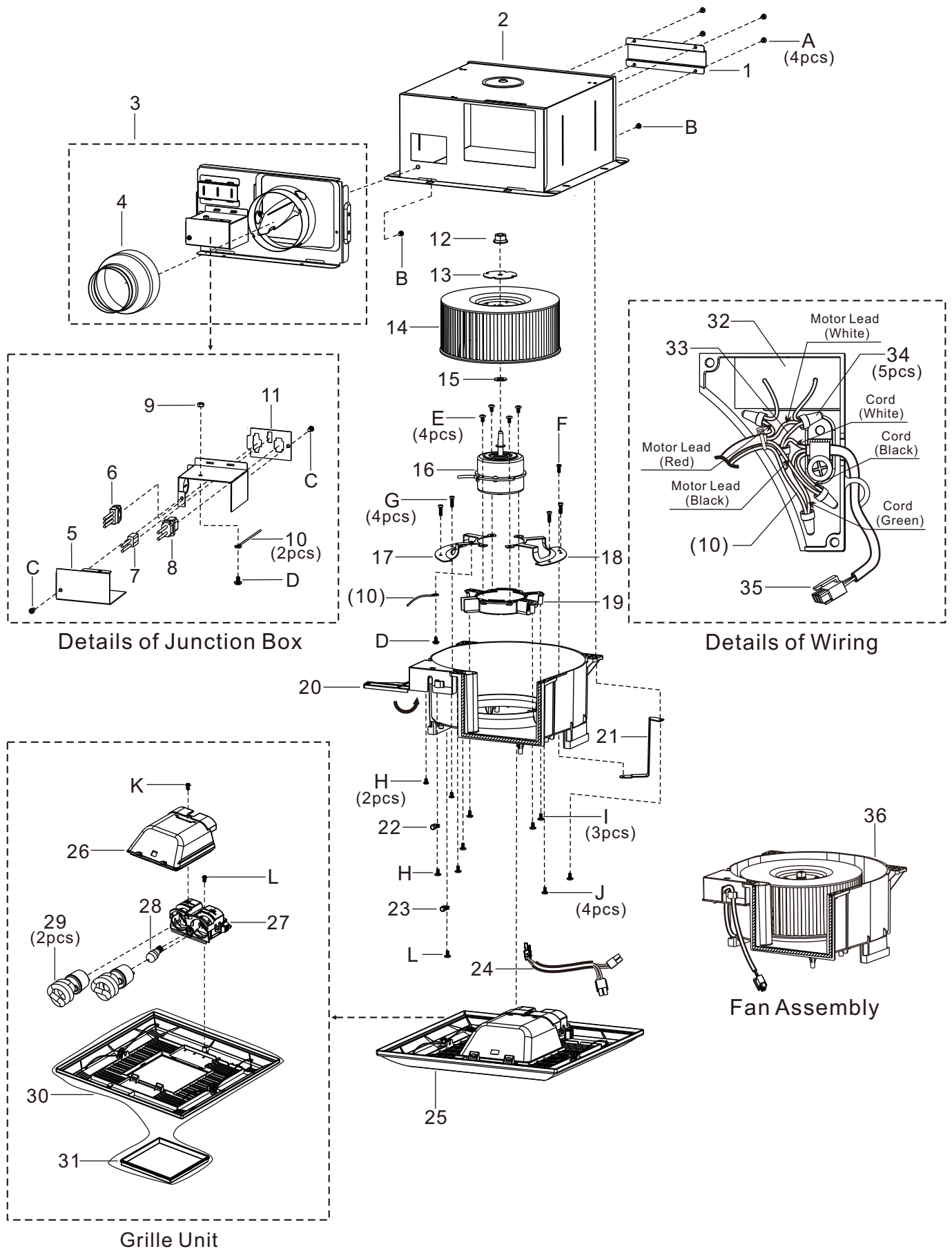
1.Parts Identification

FV-05VFL4

FV-08VFL4

FV-11VFL4

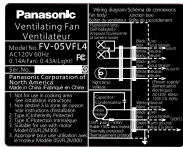
Main Body Section



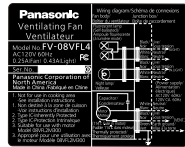
1.Parts Identification

FV-05VFL4
FV-08VFL4
FV-11VFL4

Main Labels



37



(37)



39

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(37)

Lamp Contains Mervury.
Dispose According to Local,
State or Federal Laws.

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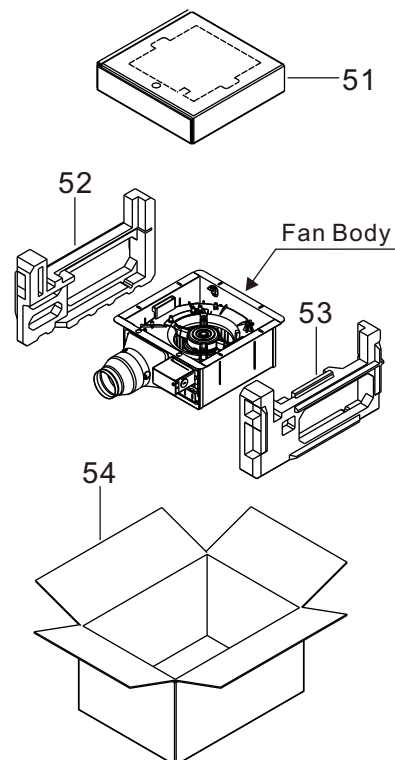
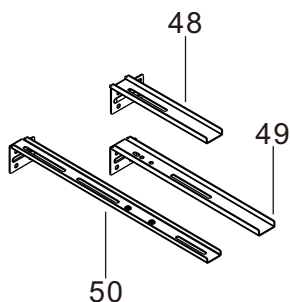
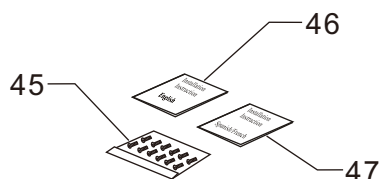


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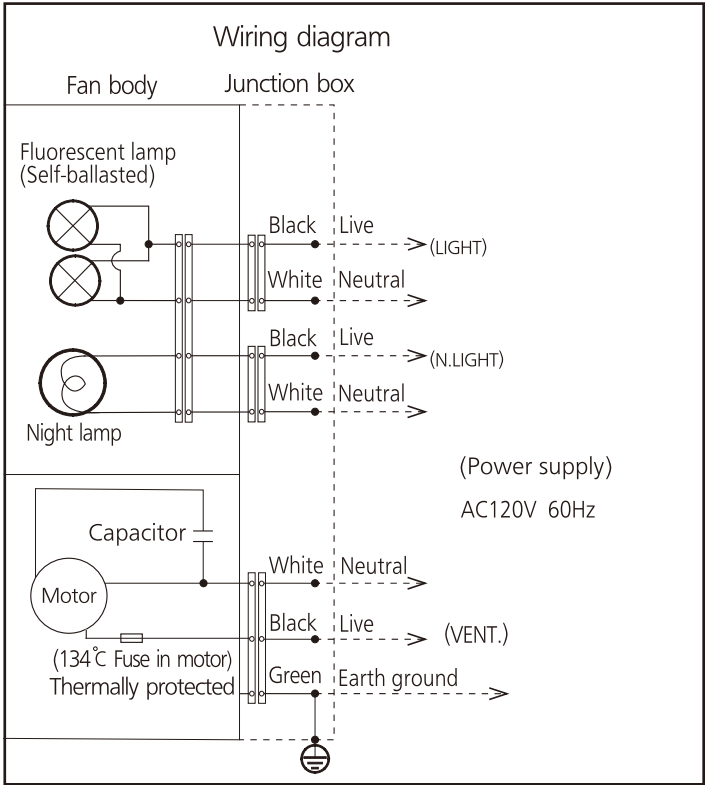
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Packing Section

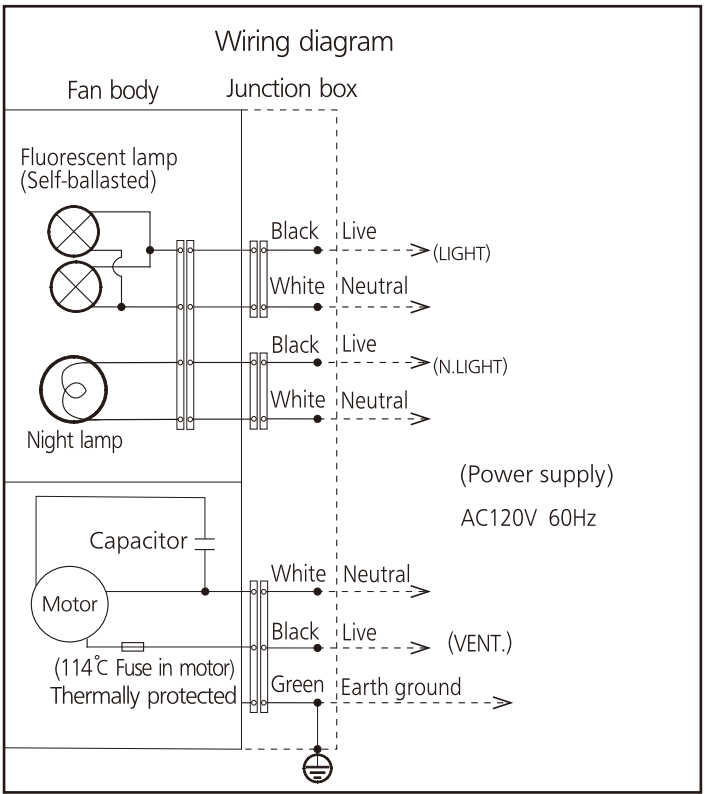


2.Wiring diagram

FV-05VFL4



FV-08VFL4
FV-11VFL4



3.Parts List

FV-05VFL4




Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFV0420024S	Bracket Cover	1	
2	FFV1600064S	Frame Assembly	1	Include Frame Packing
3	FFV0000053S	Adapter Assembly	1	⚠
4	FFV0000038S	Adapter Connector	1	
5	FFV2800004S	Junction Cover	1	
6	FFV0900013S	Connector Assembly	1	⚠
7	FFV0900010S	Connector Assembly N.L	1	For Night Lamp ⚠
8	FFV0900011S	Connector Assembly L	1	For Fluorescent Lamp ⚠
9	FFV7020015S	Hexagon Nut	1	For Fixing Earth Wire
10	FFV3402103S	Earth Wire	2	⚠
11	FFV0900014S	Connector Plate	1	
12	FFV7020022S	Nut	1	For Fixing Blade
13	FFV4670002S	Blade Set Plate	1	For Fixing Blade
14	FFV0400102S	Blade	1	⚠
15	FFV7010025S	Plain Washer	1	For Fixing Blade
16	FFV3702203S	Motor Assembly	1	⚠
17	FFV3730027S	Motor Support 2	1	With Earth Mark
18	FFV3730028S	Motor Support 1	1	
19	FFV3730029S	Motor Support 3	1	
20	FFV0790033S	Casing	1	Include 1pc Packing A&2pcs Packing ⚠
21	FFV5710020S	Support	1	
22	FFV0740007S	Cord Clip	1	
23	FFV0960001S	Nylon Clamp	1	For Fixing Cord Assembly
24	FFV0730034S	Cord Assembly	1	⚠
25	FFV3420065S	Grille Unit	1	⚠
26	FFV3420066S	Light Kit Cover Assembly	1	⚠
27	FFV3420071S	Lamp Holder Section	1	⚠
28	FFV3420005S	Night Lamp	1	⚠
29	FFV3420067S	Fluorescent Lamp	2	⚠
30	FFV3420028S	Grille Section	1	Include Lamp Cover ⚠
31	FFV3420029S	Lamp Cover	1	⚠
32	FFV0750126S	Capacitor	1	220V,1.7uF ⚠
33	FFV3400067S	Lead Wire	1	For Wire Connection ⚠
34	FFV0900024S	Connector	5	⚠

3.Parts List

FV-05VFL4

Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
35	FFV0730022S	Cord	1	
36	FFV1610063S	Fan Assembly	1	
A	FFV7000018S	Truss Tap Screw	4	For Fixing Bracket Cover to Frame Assembly
B	FFV7000137S	Truss Screw	2	
C	FFV7000091S	Pan Tap Screw	2	
D	FFV7000168S	Earth Screw Assembly	2	For Fixing Earth Wire 
E	FFV7000081S	Truss Screw	4	For Fixing Motor Assembly to Motor Support 3
F	FFV7000110S	Flush Head Screw	1	For Fixing Support to Casing
G	FFV7000088S	Flush Head Screw	4	For Fixing Motor Support 1&2 to Casing
H	FFV7000097S	Truss Tap Screw	3	
I	FFV7000111S	Truss Head Screw	3	For Fixing Motor Support 3 to Casing
J	FFV7000080S	Plus Bind Screw	4	For Fixing Casing to Frame Assembly
K	FFV7000191S	Bind Screw	1	For Fixing Light Kit Cover Assembly
L	FFV7000089S	Truss Tap Screw	2	

Main Labels

No.	Part No.	Part Name	Q'ty	Remark
37	FFV4020788S	Name Plate	1	
38	FFV6730056S	Warning Label	1	
39	FFV0810010S	Caution Label	1	
40	FFV2260002S	HVI Mark	1	
41	FFV1320001S	ESP Mark	1	
42	FFV4730001S	T24 Mark Label	1	
43	FFV2260003S	Holograph Label	1	
44	FFV5720015S	Scale Tape	1	

3.Parts List

FV-05VFL4

Packing Section

No.	Part No.	Part Name	Q'ty	Remark
45	FFV0010206S	Accessory A	1	Included Installation Screws
46	FFV2540161S	Installation Instruction	1	English,
47	FFV2540162S	Installation Instruction	1	Spanish,For USA Market.
(47)	FFV2540163S	Installation Instruction	1	French,For CA Market.
48	FFV5710017S	Suspension Bracket III	1	
49	FFV5710018S	Suspension Bracket II	1	
50	FFV5710019S	Suspension Bracket I	1	
51	FFV4710360S	Grille Case Assembly	1	
52	FFV4710219S	Left Pad	1	
53	FFV4710220S	Right Pad	1	
54	FFV9001063S	Packing Case Assembly	1	

3.Parts List

FV-08VFL4




Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFV0420024S	Bracket Cover	1	
2	FFV1600064S	Frame Assembly	1	Include Frame Packing
3	FFV0000053S	Adapter Assembly	1	⚠
4	FFV0000038S	Adapter Connector	1	
5	FFV2800004S	Junction Cover	1	
6	FFV0900013S	Connector Assembly	1	⚠
7	FFV0900010S	Connector Assembly N.L	1	For Night Lamp ⚠
8	FFV0900011S	Connector Assembly L	1	For Fluorescent Lamp ⚠
9	FFV7020015S	Hexagon Nut	1	For Fixing Earth Wire
10	FFV3402103S	Earth Wire	2	⚠
11	FFV0900014S	Connector Plate	1	
12	FFV7020022S	Nut	1	For Fixing Blade
13	FFV4670002S	Blade Set Plate	1	For Fixing Blade
14	FFV0400102S	Blade	1	⚠
15	FFV7010025S	Plain Washer	1	For Fixing Blade
16	FFV3702204S	Motor Assembly	1	⚠
17	FFV3730027S	Motor Support 2	1	With Earth Mark
18	FFV3730028S	Motor Support 1	1	
19	FFV3730029S	Motor Support 3	1	
20	FFV0790033S	Casing	1	Include 1pc Packing A&2pcs Packing ⚠
21	FFV5710020S	Support	1	
22	FFV0740007S	Cord Clip	1	
23	FFV0960001S	Nylon Clamp	1	For Fixing Cord Assembly
24	FFV0730034S	Cord Assembly	1	⚠
25	FFV3420065S	Grille Unit	1	⚠
26	FFV3420066S	Light Kit Cover Assembly	1	⚠
27	FFV3420071S	Lamp Holder Section	1	⚠
28	FFV3420005S	Night Lamp	1	⚠
29	FFV3420067S	Fluorescent Lamp	2	⚠
30	FFV3420028S	Grille Section	1	Include Lamp Cover ⚠
31	FFV3420029S	Lamp Cover	1	⚠
32	FFV0750127S	Capacitor	1	250V,2.4uF ⚠
33	FFV3400067S	Lead Wire	1	For Wire Connection ⚠
34	FFV0900024S	Connector	5	⚠

3.Parts List

FV-08VFL4

Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
35	FFV0730022S	Cord	1	
36	FFV1610064S	Fan Assembly	1	
A	FFV7000018S	Truss Tap Screw	4	For Fixing Bracket Cover to Frame Assembly
B	FFV7000137S	Truss Screw	2	
C	FFV7000091S	Pan Tap Screw	2	
D	FFV7000168S	Earth Screw Assembly	2	For Fixing Earth Wire 
E	FFV7000081S	Truss Screw	4	For Fixing Motor Assembly to Motor Support 3
F	FFV7000110S	Flush Head Screw	1	For Fixing Support to Casing
G	FFV7000088S	Flush Head Screw	4	For Fixing Motor Support 1&2 to Casing
H	FFV7000097S	Truss Tap Screw	3	
I	FFV7000111S	Truss Head Screw	3	For Fixing Motor Support 3 to Casing
J	FFV7000080S	Plus Bind Screw	4	For Fixing Casing to Frame Assembly
K	FFV7000191S	Bind Screw	1	For Fixing Light Kit Cover Assembly
L	FFV7000089S	Truss Tap Screw	2	

Main Labels

No.	Part No.	Part Name	Q'ty	Remark
37	FFV4020789S	Name Plate	1	
38	FFV6730056S	Warning Label	1	
39	FFV0810010S	Caution Label	1	
40	FFV2260002S	HVI Mark	1	
41	FFV1320001S	ESP Mark	1	
42	FFV4730001S	T24 Mark Label	1	
43	FFV2260003S	Holograph Label	1	
44	FFV5720015S	Scale Tape	1	

3.Parts List

FV-08VFL4

Packing Section

No.	Part No.	Part Name	Q'ty	Remark
45	FFV0010206S	Accessory A	1	Included Installation Screws
46	FFV2540161S	Installation Instruction	1	English,
47	FFV2540162S	Installation Instruction	1	Spanish,For USA Market.
(47)	FFV2540163S	Installation Instruction	1	French,For CA Market.
48	FFV5710017S	Suspension Bracket III	1	
49	FFV5710018S	Suspension Bracket II	1	
50	FFV5710019S	Suspension Bracket I	1	
51	FFV4710360S	Grille Case Assembly	1	
52	FFV4710219S	Left Pad	1	
53	FFV4710220S	Right Pad	1	
54	FFV9001064S	Packing Case Assembly	1	

3.Parts List

FV-11VFL4




Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFV0420024S	Bracket Cover	1	
2	FFV1600064S	Frame Assembly	1	Include Frame Packing
3	FFV0000053S	Adapter Assembly	1	⚠
4	FFV0000038S	Adapter Connector	1	
5	FFV2800004S	Junction Cover	1	
6	FFV0900013S	Connector Assembly	1	⚠
7	FFV0900010S	Connector Assembly N.L	1	For Night Lamp ⚠
8	FFV0900011S	Connector Assembly L	1	For Fluorescent Lamp ⚠
9	FFV7020015S	Hexagon Nut	1	For Fixing Earth Wire
10	FFV3402103S	Earth Wire	2	⚠
11	FFV0900014S	Connector Plate	1	
12	FFV7020022S	Nut	1	For Fixing Blade
13	FFV4670002S	Blade Set Plate	1	For Fixing Blade
14	FFV0400102S	Blade	1	⚠
15	FFV7010025S	Plain Washer	1	For Fixing Blade
16	FFV3702205S	Motor Assembly	1	⚠
17	FFV3730027S	Motor Support 2	1	With Earth Mark
18	FFV3730028S	Motor Support 1	1	
19	FFV3730029S	Motor Support 3	1	
20	FFV0790033S	Casing	1	Include 1pc Packing A&2pcs Packing ⚠
21	FFV5710020S	Support	1	
22	FFV0740007S	Cord Clip	1	
23	FFV0960001S	Nylon Clamp	1	For Fixing Cord Assembly
24	FFV0730034S	Cord Assembly	1	
25	FFV3420065S	Grille Unit	1	⚠
26	FFV3420066S	Light Kit Cover Assembly	1	⚠
27	FFV3420071S	Lamp Holder Section	1	⚠
28	FFV3420005S	Night Lamp	1	⚠
29	FFV3420067S	Fluorescent Lamp	2	⚠
30	FFV3420028S	Grille Section	1	Include Lamp Cover ⚠
31	FFV3420029S	Lamp Cover	1	⚠
32	FFV0750127S	Capacitor	1	250V,2.4uF ⚠
33	FFV3400067S	Lead Wire	1	For Wire Connection ⚠
34	FFV0900024S	Connector	5	⚠

3.Parts List

FV-11VFL4

Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
35	FFV0730022S	Cord	1	
36	FFV1610065S	Fan Assembly	1	
A	FFV7000018S	Truss Tap Screw	4	For Fixing Bracket Cover to Frame Assembly
B	FFV7000137S	Truss Screw	2	
C	FFV7000091S	Pan Tap Screw	2	
D	FFV7000168S	Earth Screw Assembly	2	For Fixing Earth Wire 
E	FFV7000081S	Truss Screw	4	For Fixing Motor Assembly to Motor Support 3
F	FFV7000110S	Flush Head Screw	1	For Fixing Support to Casing
G	FFV7000088S	Flush Head Screw	4	For Fixing Motor Support 1&2 to Casing
H	FFV7000097S	Truss Tap Screw	3	
I	FFV7000111S	Truss Head Screw	3	For Fixing Motor Support 3 to Casing
J	FFV7000080S	Plus Bind Screw	4	For Fixing Casing to Frame Assembly
K	FFV7000191S	Bind Screw	1	For Fixing Light Kit Cover Assembly
L	FFV7000089S	Truss Tap Screw	2	

Main Labels

No.	Part No.	Part Name	Q'ty	Remark
37	FFV4020790S	Name Plate	1	
38	FFV6730056S	Warning Label	1	
39	FFV0810010S	Caution Label	1	
40	FFV2260002S	HVI Mark	1	
41	FFV1320001S	ESP Mark	1	
42	FFV4730001S	T24 Mark Label	1	
43	FFV2260003S	Holograph Label	1	
44	FFV5720015S	Scale Tape	1	

3.Parts List

FV-11VFL4

Packing Section

No.	Part No.	Part Name	Q'ty	Remark
45	FFV0010206S	Accessory A	1	Included Installation Screws
46	FFV2540161S	Installation Instruction	1	English,
47	FFV2540162S	Installation Instruction	1	Spanish,For USA Market.
(47)	FFV2540163S	Installation Instruction	1	French,For CA Market.
48	FFV5710017S	Suspension Bracket III	1	
49	FFV5710018S	Suspension Bracket II	1	
50	FFV5710019S	Suspension Bracket I	1	
51	FFV4710360S	Grille Case Assembly	1	
52	FFV4710219S	Left Pad	1	
53	FFV4710220S	Right Pad	1	
54	FFV9001065S	Packing Case Assembly	1	