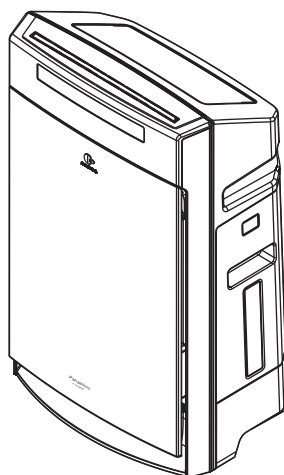


Service Manual

Humidifying Air Purifier

Middle East Market

F-VXH50M



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. Specifications

Model number	F-VXH50M					
Power supply	220V~ 50Hz		220V~ 60Hz		240V~ 50Hz	
Operation mode	Clean Air			Clean/Humid.		
Air Volume settings	Hi	Med	Lo	Hi	Med	Lo
Power Consumption (W) ※1	45	9	6	45	13	9
Humidifying amount (mL/h) ※2	— ※3	— ※3	— ※3	500	230	150
Air Volume (m³/min)	5.1	1.9	0.9	4.9	2.3	1.3
Floor area capacity	Up to 40m ² in a standard household room			Up to 23m ² in a standard household room		
Capacity of the tank	About 2.3L					
Power cord length	2.0m					
Product dimensions	360mmx [230mm+(Foot:10mm)]x560mm(WXDXH)					
Product weight	8.6kg					

※1 The power consumption is about 0.3W when the operation is set to "Off".(With the power plug inserted)

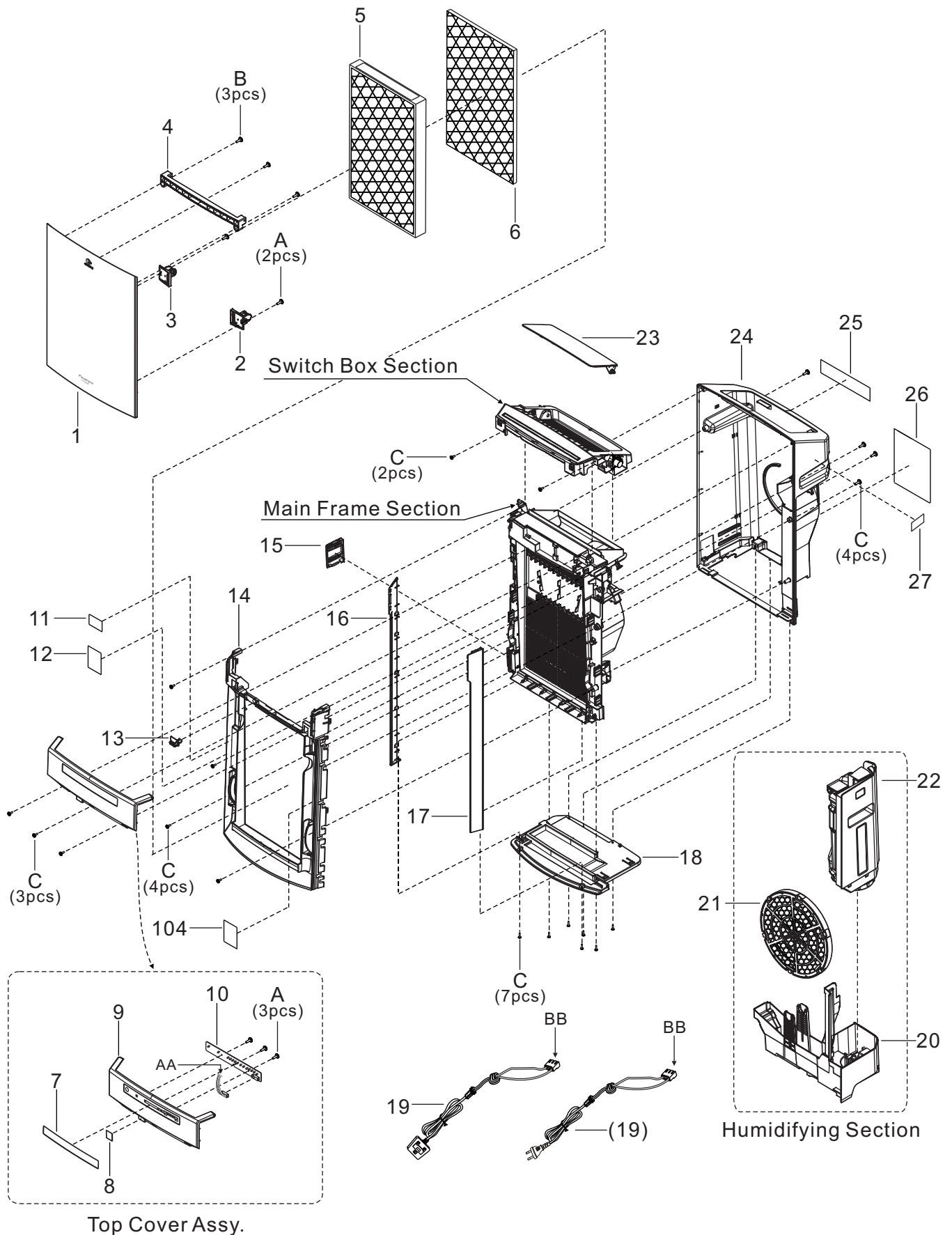
※2 The humidifying amount may vary with the indoor temperature and humidity.(Please refer to operating Instructions P.22)

※3 If there is water in the tank, the unit uses its water to humidify a little.(The water in the tank will be reduced little)

2. Parts Identification

F-VXH50M

Main Body Section

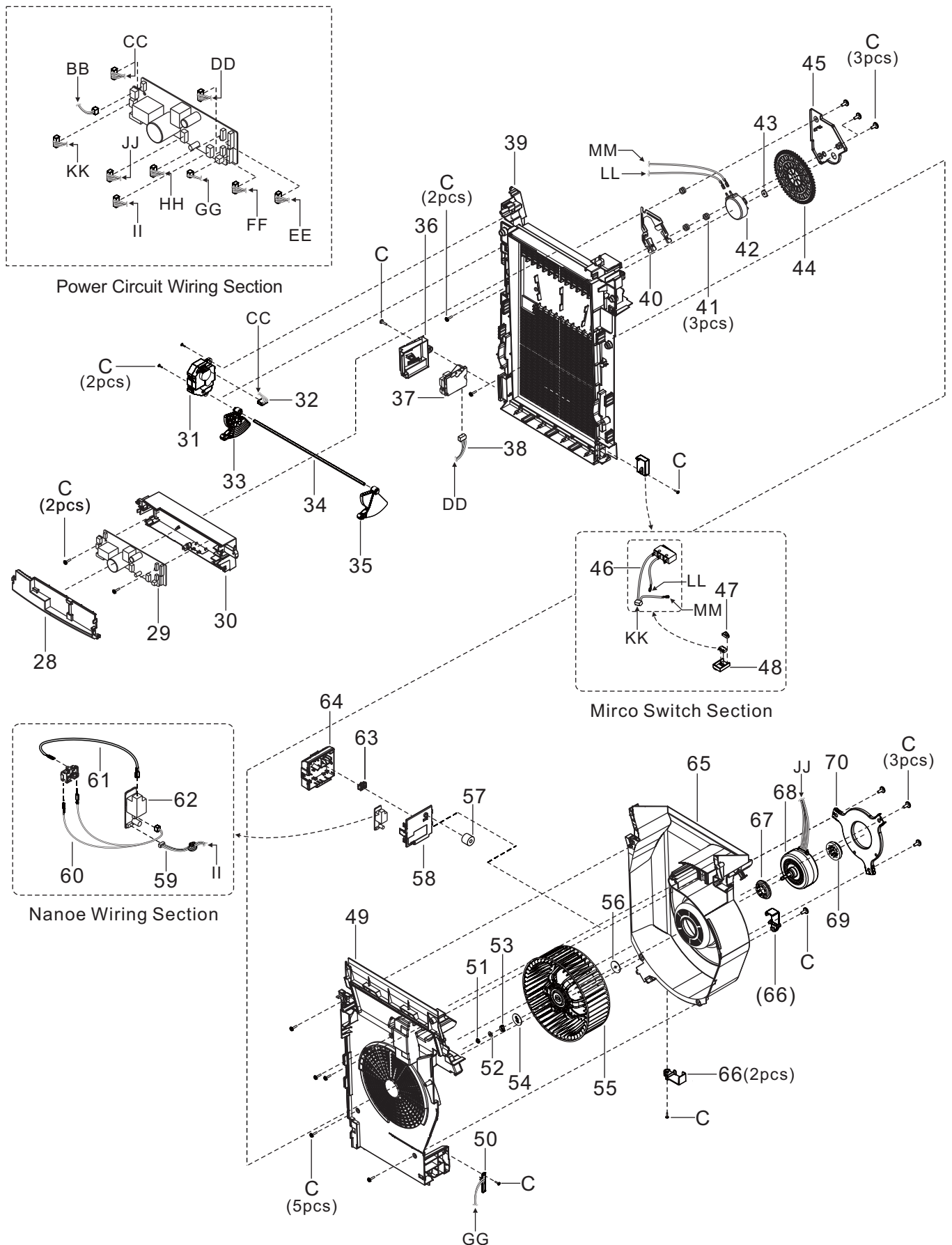


Remark: The double same letter which displayed behind the Lead Assy. Means they were linked together.

2. Parts Identification

F-VXH50M

Main Frame Section

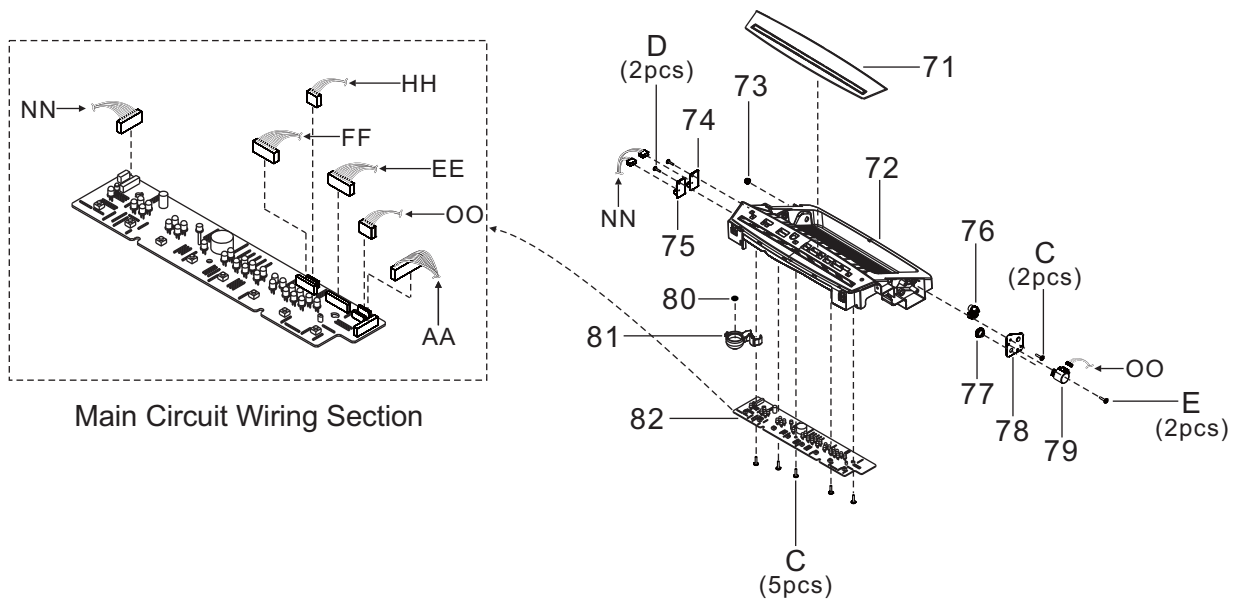


Remark: The double same letter which displayed behind the Lead Assy. Means they were linked together.

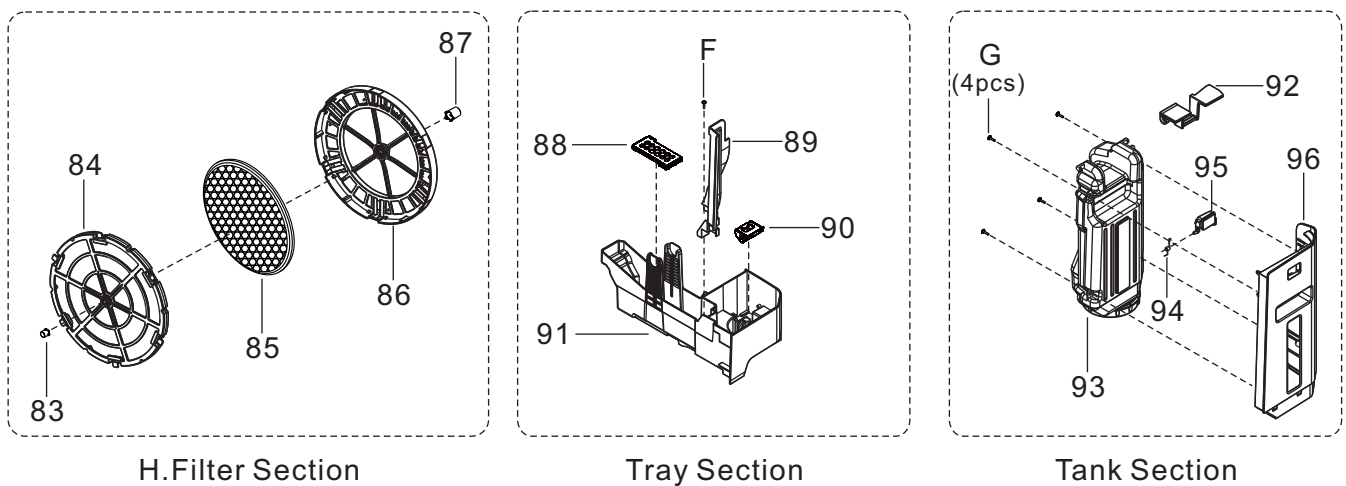
2. Parts Identification

F-VXH50M

Switch Box Section



Humidifying Section



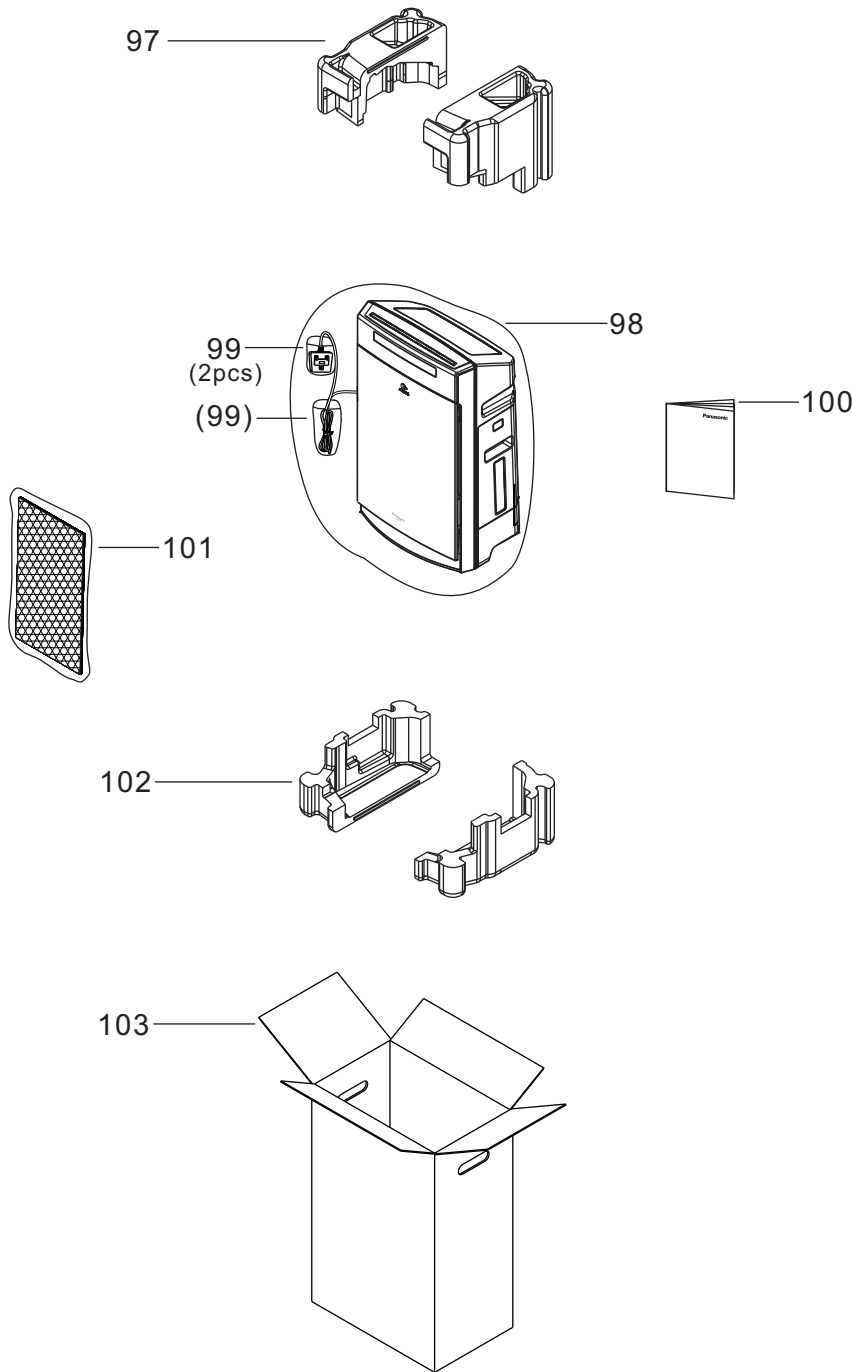
Remark: The double same letter which displayed behind the Lead Assy. Means they were linked together.

2. Parts Identification

F-VXH50M

Packing Section

(For S'ARABIA,KUWAIT,UAE Market)



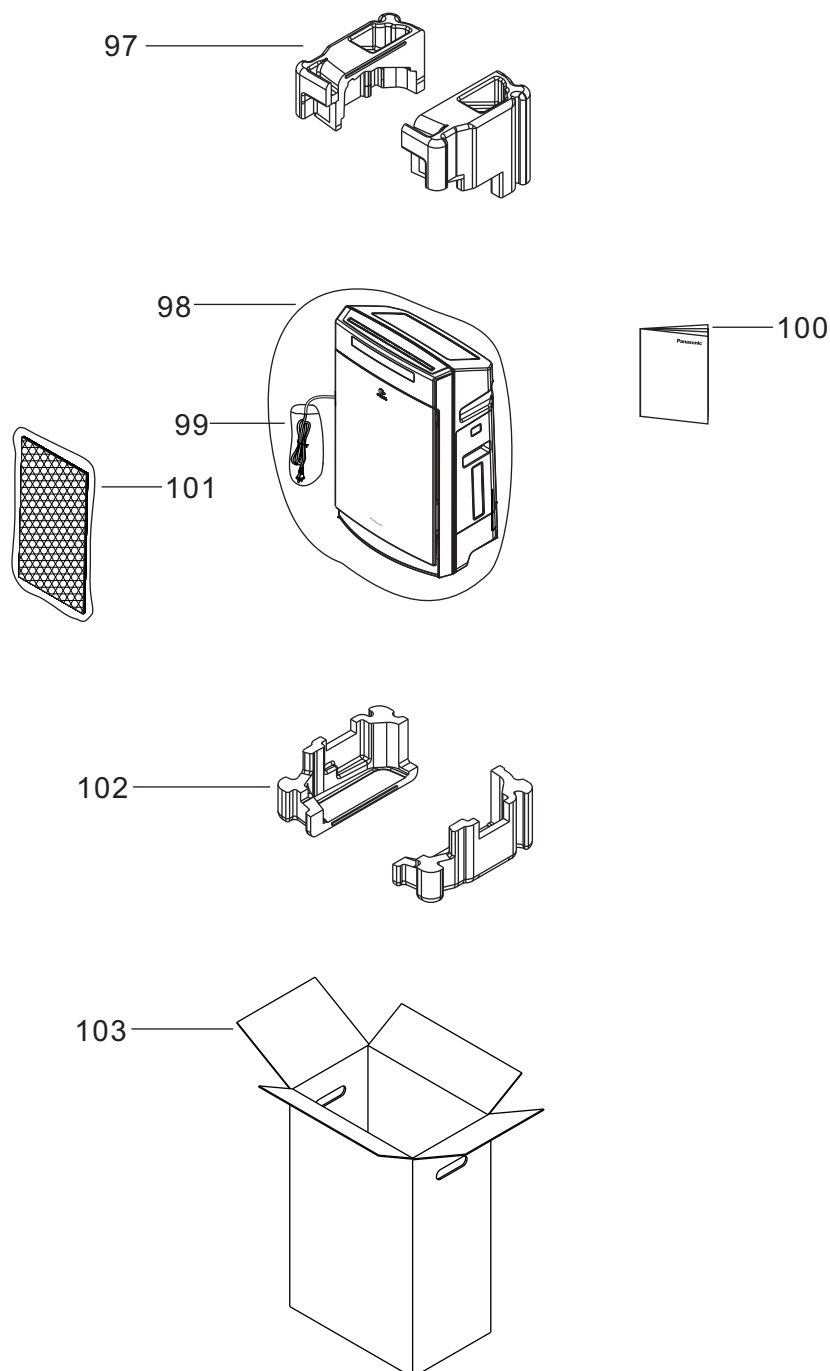
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2. Parts Identification

F-VXH50M

Packing Section

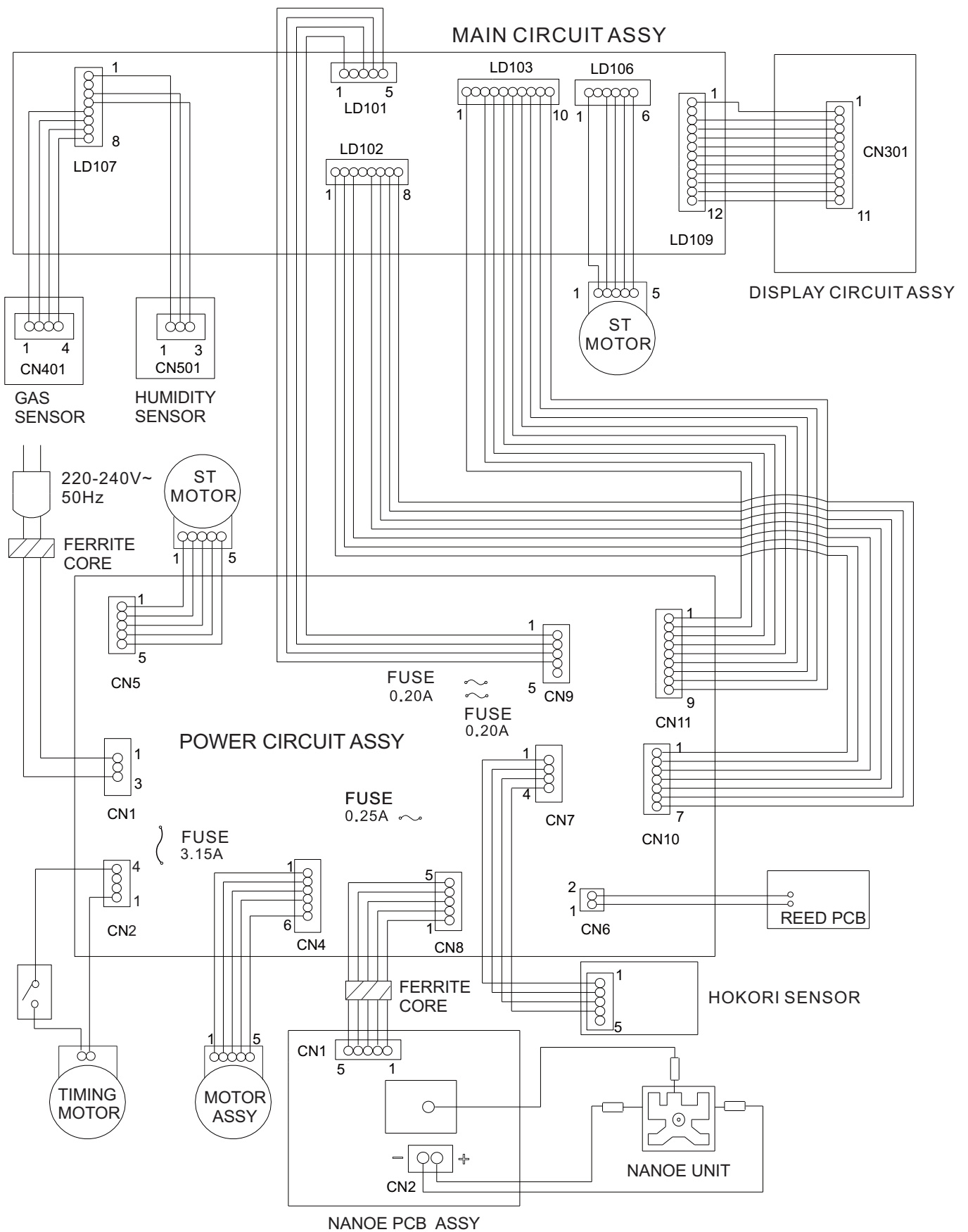
(Only For IRAN Market)



Remark: The double same letter which displayed behind the Lead Assy. Means they were linked together.

3. Wiring Diagram

F-VXH50M



4. Parts List

F-VXH50M

Main Body Section

No.	Part No.	Part Name	Q'ty	Remark
1	FFE01201203S	F.Panel Stamping	1	
2	FFE03041201S	Fixed Arm R	1	
3	FFE03031201S	Fixed Arm L	1	
4	FFE03051201S	Arm Holder	1	
5	FFE41801201S	C.Filter Assy.	1	
6	FFE41701201S	D.Filter Assy.	1	
7	FFE01161201S	Clean Sign Sheet	1	
8	FFE00741201S	Filter Hook Label	1	
9	FFE01071205S	Top Cover	1	
10	FFE49301404S	Display PCB	1	⚠
11	FFE00791201S	Brand Label	1	
12	FFE00771201S	Filter Label	1	
13	FFE01221201S	Filter Hook	1	
14	FFE01021201S	Front Case	1	
15	FFE36400802S	D.Sensor Cover	1	
16	FFE04181201S	S.panel L Painting	1	
17	FFE04191201S	S.panel R Painting	1	
18	FFE01091201S	Stand	1	
19	FFE16001201S	Cord Assy.	1	For S'ARABIA/KUWAIT/UAE Market ⚠
(19)	FFE16101201S	Cord Assy.	1	For IRAN Market ⚠
20	FFE00001201S	Tray Section	1	
21	FFE00001202S	H.Filter Section	1	
22	FFE00001203S	Tank Section	1	
23	FFE04061201S	Top Louver	1	
24	FFE01101201S	Rear Case	1	
25	FFE00751201S	Warning Label	1	For S'ARABIA/KUWAIT/UAE Market
(25)	FFE00761201S	Warning Label	1	For IRAN Market
26	FFE00501201S	Name Plate	1	For S'ARABIA Market
(26)	FFE00531201S	Name Plate	1	For IRAN Market
(26)	FFE00511201S	Name Plate	1	For KUWAIT Market
(26)	FFE00521201S	Name Plate	1	For UAE Market
27	FFE00811101S	Tank Label	1	For S'ARABIA/KUWAIT/UAE Market
(27)	FFE00821101S	Tank Label	1	For IRAN Market
104	FFE00771202S	Filter Label	1	For S'ARABIA/KUWAIT/UAE Market
(104)	FFE00781201S	Filter Label	1	For IRAN Market
A	XTN35+8CFJ	Pan Tap Screw	5	
B	XTB4+10CFJ	Bind Tap Screw	3	
C	XTB4+14CFJ	Bind Tap Screw	20	














Main Frame Section

No.	Part No.	Part Name	Q'ty	Remark
28	FFE01131201S	PCB Cover	1	
29	FFE49101408S	Power Circuit Assy.	1	⚠
30	FFE01111201S	PCB Box	1	

4. Parts List

F-VXH50M

Main Frame Section

No.	Part No.	Part Name	Q'ty	Remark
31	FFE00131201S	Gear Box Assy.	1	
32	FFE09031101S	STM Lead(GB)	1	
33	FFE03011101S	Arm L	1	
34	FFE01121201S	D Shaft	1	
35	FFE03021101S	Arm R	1	
36	FFE02091201S	D.Sensor Box	1	
37	FFE12500601S	Dust Sensor	1	
38	FFE09021201S	D.Sensor Lead	1	
39	FFE01101202S	Main Frame	1	
40	FFE02101202S	TM Plate	1	
41	FFE02111201S	TM Gum	3	
42	FFE60001101S	Timing Motor	1	
43	FFE21101101S	Gear Stay	1	
44	FFE02061101S	Gear	1	
45	FFE02051201S	TM Cover	1	
46	FFE12901201S	Micro Switch Assy.	1	
47	FFE35500501S	Switch Lever	1	
48	FFE12500901S	Micro Switch Cover	1	
49	FFE02021201S	Casing Cover	1	
50	FFE49701403S	Reed PCB	1	
51	FFE07201101S	Hexagon Nut	1	
52	FFE06090801S	Undee Washer	1	
53	FFE21100803S	Blade Fix Ring	1	
54	FFE20050801S	Blade Plate(A)	1	
55	FFE02041101S	Blade Assy.	1	
56	FFE20030902S	Blade Plate	1	
57	FFE02091001S	Nanoe Silencer	1	
58	FFE02081201S	Nanoe Cover	1	
59	FFE09051201S	Nanoe Lead	1	
60	FFE09071201S	Peltier Lead	1	
61	FFE09061201S	High Voltage Lead	1	
62	FFE48041201S	Nanoe PCB Assy.	1	
63	FFE15001101S	Nanoe Unit	1	
64	FFE02071201S	Nanoe Case	1	
65	FFE02011201S	Fan Casing	1	
66	FFE02000801S	Ferrite Hold	2	
67	FFE08110801S	Holder Gum(A)	1	
68	FFE23001201S	Motor Assy.	1	
69	FFE08120801S	Holder Gum(B)	1	
70	FFE08010801S	Motor Holder	1	
C	XTB4+14CFJ	Bind Tap Screw	22	

4. Parts List

F-VXH50M

Switch Box Section

No.	Part No.	Part Name	Q'ty	Remark
71	FFE04161201S	Display Sheet	1	
72	FFE04011201S	Switch Box	1	
73	FFE21300801S	Louver Bush	1	
74	FFE49401405S	Humidity Sensor	1	⚠
75	FFE49501403S	Gas Sensor	1	⚠
76	FFE04071101S	Louver Gear	1	
77	FFE04081101S	STM Gear	1	
78	FFE04091101S	STM Holder	1	
79	FFE24001101S	ST Motor	1	⚠
80	FFE05070901S	Hall IC Magnet	1	
81	FFE13011201S	Hall Case	1	
82	FFE49201408S	Main Circuit Assy.	1	⚠
C	XTB4+14CFJ	Bind Tap Screw	7	
D	XTB3+14CFJ	Bind Tap Screw	2	
E	XSB4+6FJ	Bind Screw	2	For Fixing ST Motor

Humidifying Section

No.	Part No.	Part Name	Q'ty	Remark
83	FFE06061201S	Cap(B)	1	
84	FFE06031201S	H.Filter Cover	1	
85	FFE06131201S	H.Filter Set	1	
86	FFE06021201S	H.Filter Case	1	
87	FFE06051201S	Cap(A)	1	
88	FFE05551201S	Germproof Set	1	
89	FFE05111201S	Tray Plate	1	
90	FFE01181201S	Float Assy.	1	
91	FFE05101201S	Tray	1	
92	FFE06041101S	Tank Stand	1	
92	FFE05011201S	Tank Unit	1	
94	FFE01160801S	Handle Spring	1	
95	FFE06081201S	Tank Hook	1	
96	FFE05031201S	Tank Cover	1	
F	XTB4+14CZ	Bind Tap Screw	1	For Fixing Tray Plate
G	XTT4+14CZ	Truss Tap Screw	4	For Fixing Tank Unit

4. Parts List

F-VXH50M

Packing Section

No.	Part No.	Part Name	Q'ty	Remark
97	FFE80101203S	Top Pack	1	
98	FFE21310901S	Poly Cover	1	For Body Packing
99	FFE01110801S	Poly Cover	2	For S'ARABIA/KUWAIT/UAE Market
(99)	FFE01110801S	Poly Cover	1	For IRAN Market
100	FFE89501201S	Operation Instructions	1	For S'ARABIA/KUWAIT/UAE Market
(100)	FFE89511201S	Operation Instructions	1	For IRAN Market
101	FFE21371101S	Poly Cover	1	For D.Filter Assy. Packing
102	FFE80201201S	Bottom Pack	1	
103	FFE80011428S	Carton Case Assy.	1	For S'ARABIA/KUWAIT/UAE Market
(103)	FFE80021404S	Carton Case Assy.	1	For IRAN Market
(103)	FFE80011429S	Carton Case Assy.	1	For KUWAIT Market
(103)	FFE80011430S	Carton Case Assy.	1	For UAE Market