

Service Manual

Speaker System



SB-PF800

SB-PF800E

Colour

(M)... Wood Grain Type

Specification

Type	3 way, 6 speaker system (Bass-reflex type)	Frequency range	40 Hz - 100 kHz (at -16 dB) 44 Hz - 75 kHz (at -10 dB)
Speaker (s)		Dimensions (W x H x D)	270 x 1084 x 280 mm (with the stand)
Woofer	8 cm cone type X 4	Mass	13.5 kg
Midrange	8 cm cone type X 1	Notes :	
Tweeter	2.5 cm semi-dome type x 1	1. Specifications are subject to change without notice.	
Impedance	6Ω	2. Mass and dimensions are approximate.	
Input power (IEC)	200 W (MAX), 100 W (RATED)		
Sound pressure level	83 dB/W (1.0 m)		
Crossover frequency	500 Hz, 4 kHz		

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.

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Panasonic

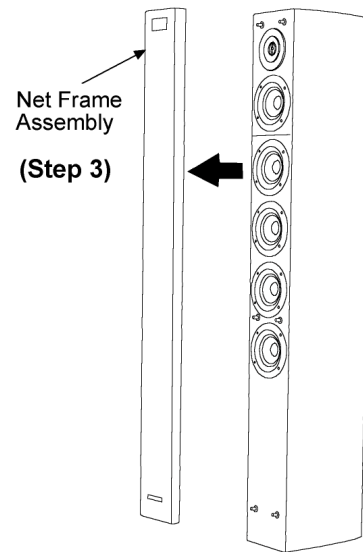
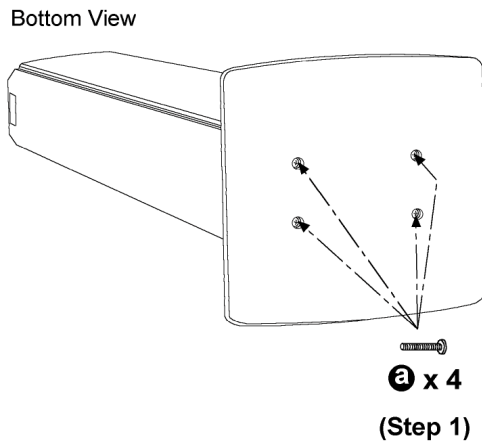
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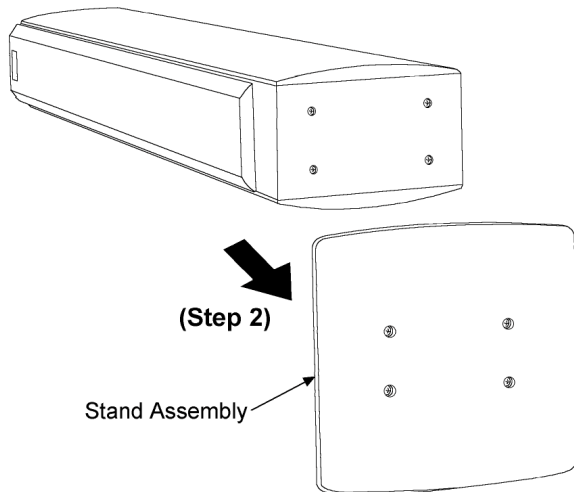
1 Disassembly Process

1.1. Disassembly of Stand and Net Frame Assembly

Step 1: Remove 4 screws.

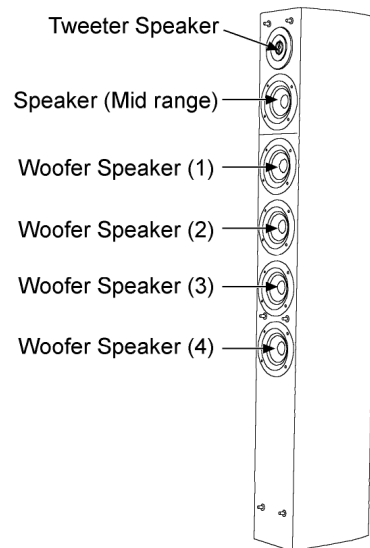


Step 2: Remove the stand assembly as arrow shown.



Step 3: Remove the net frame assembly as arrow shown.

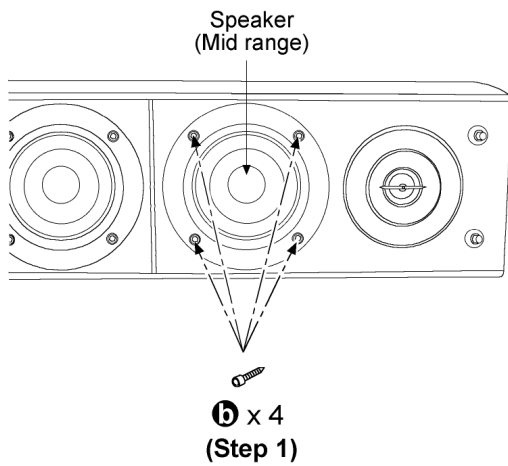
1.2. Disassembly of Speaker Unit



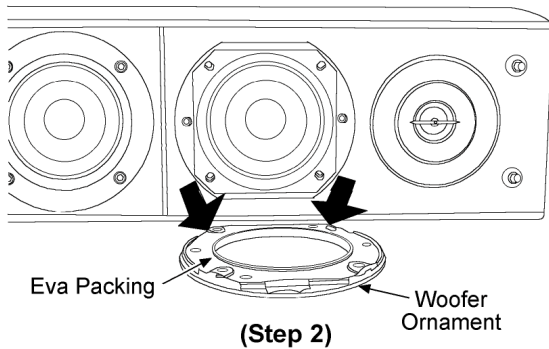
1.2.1. Disassembly of Speaker (Mid-range)

Follow step (3) of item 1.1.

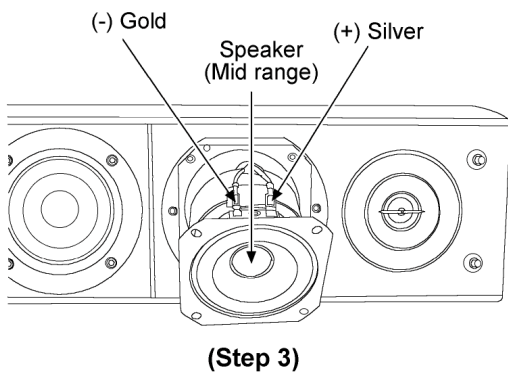
Step 1: Remove 4 screws using an allen key.



Step 2: Remove the woofer ornament as arrow shown.



Step 3: Detach the indicated (+) and (-) wires from the speaker (Mid range).

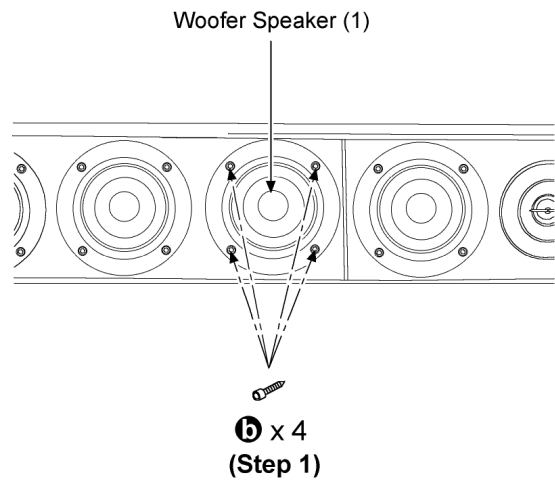


1.2.2. Disassembly of Woofer Speakers

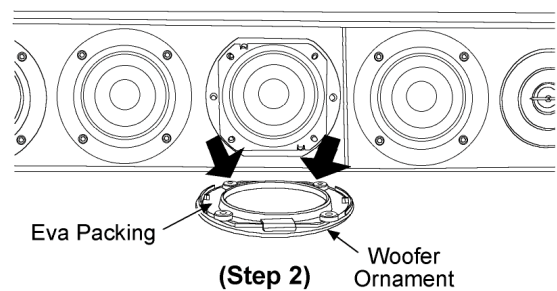
• Disassembly of woofer speaker (1)

Follow step (3) of item 1.1.

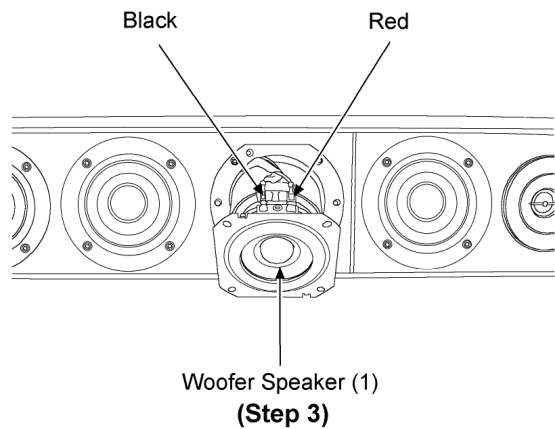
Step 1: Remove 4 screws using an allen key.



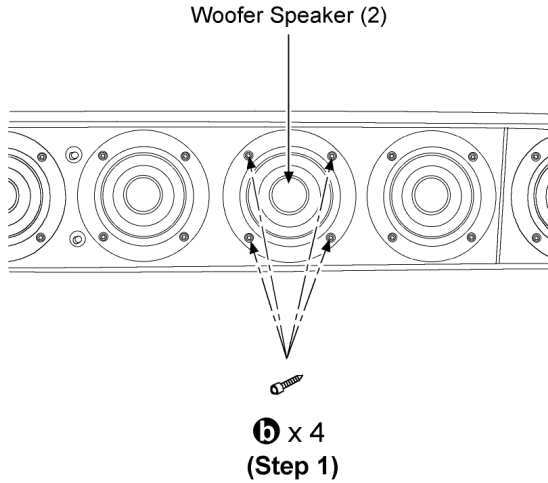
Step 2: Remove the woofer ornament as arrow shown.



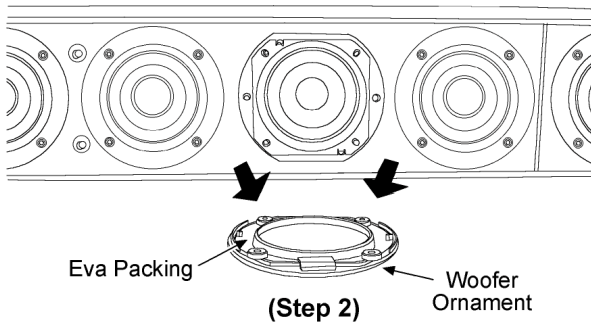
Step 3: Detach the indicated (+) and (-) wires from the woofer speaker (1).



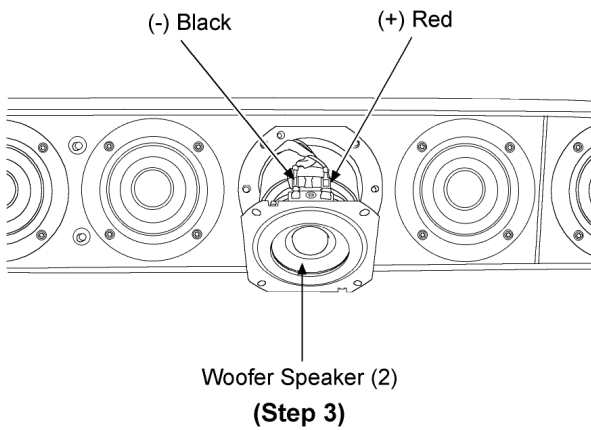
Step 1: Remove 4 screws using an allen key.



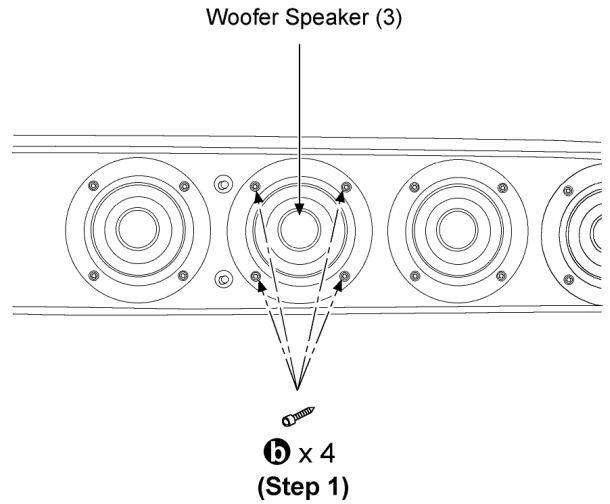
Step 2: Remove the woofer ornament as arrow shown.



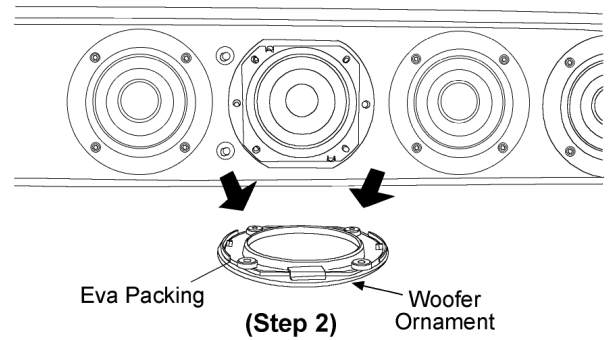
Step 3: Detach the indicated (+) and (-) wires from the woofer speaker (2).



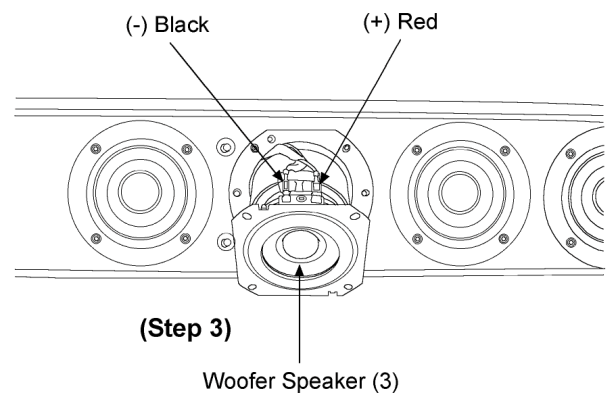
Step 1: Remove 4 screws using an allen key.



Step 2: Remove the woofer ornament as arrow shown.



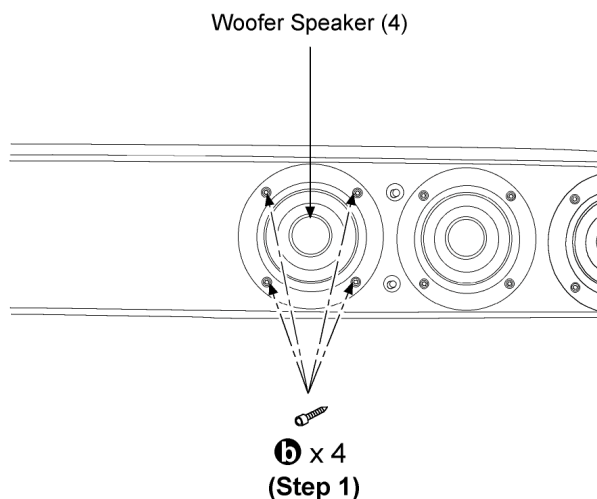
Step 3: Detach the indicated (+) and (-) wires from the woofer speaker (3).



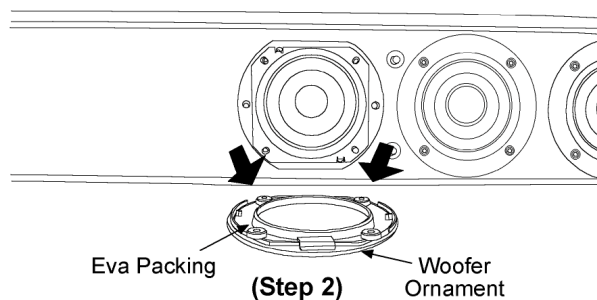
• Disassembly of woofer speaker (3)

• Disassembly of woofer speaker (4)

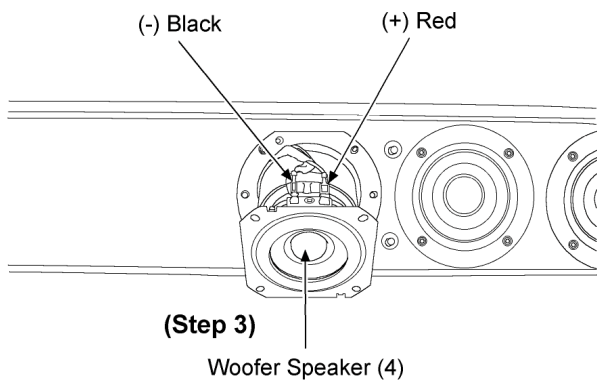
Step 1: Remove 4 screws using an allen key.



Step 2: Remove the woofer ornament as arrow shown.



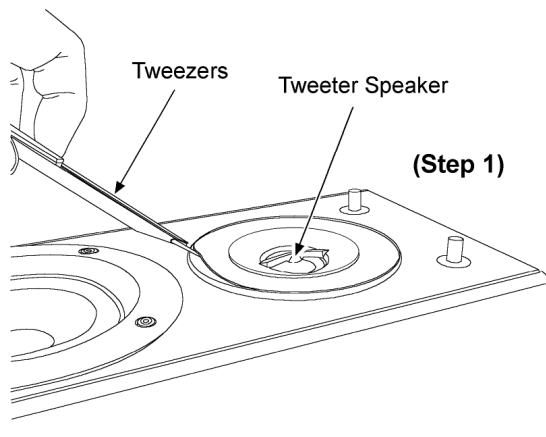
Step 3: Detach the indicated (+) and (-) wires from the woofer speaker (4).



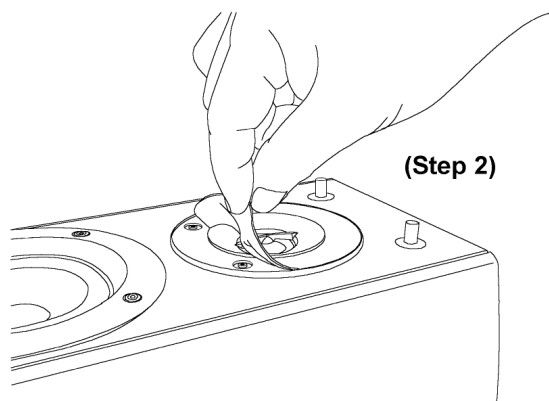
1.2.3. Disassembly of Tweeter Speaker

Follow step (3) of item 1.1.

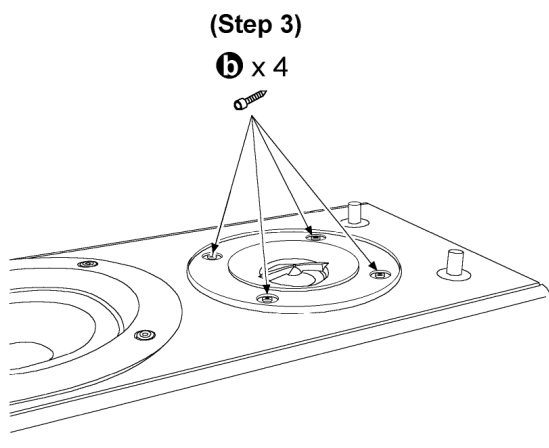
Step 1: Pick up the tweeter ornament carefully with tweezers.



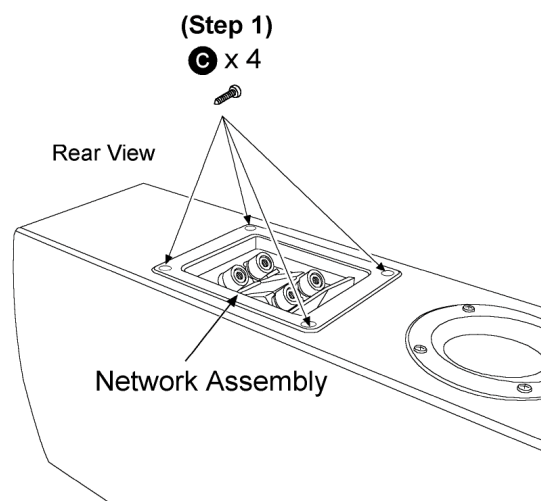
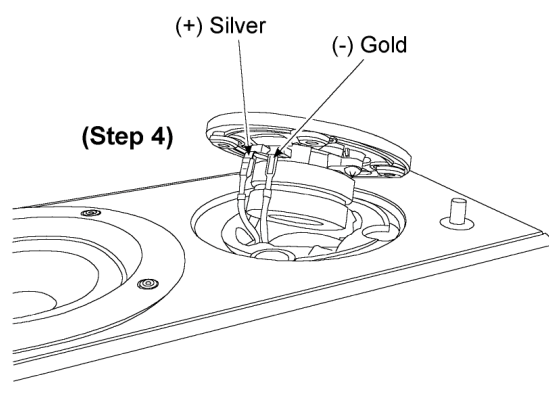
Step 2: Gradually remove the tweeter ornament with fingers.



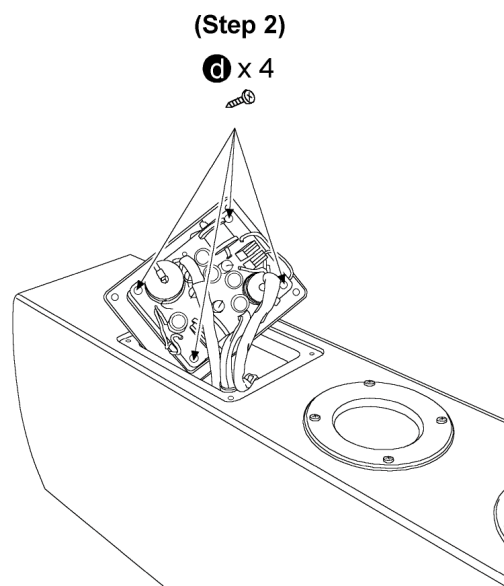
Step 3: Remove 4 screws using an allen key.



Step 4: Detach the indicated (+) and (-) wires from the tweeter.



Step 2: Remove 4 screws.

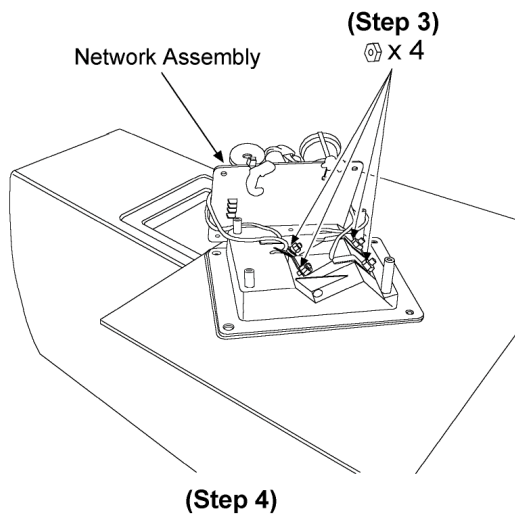


1.3. Disassembly of Network

Step 1: Remove 4 screws.

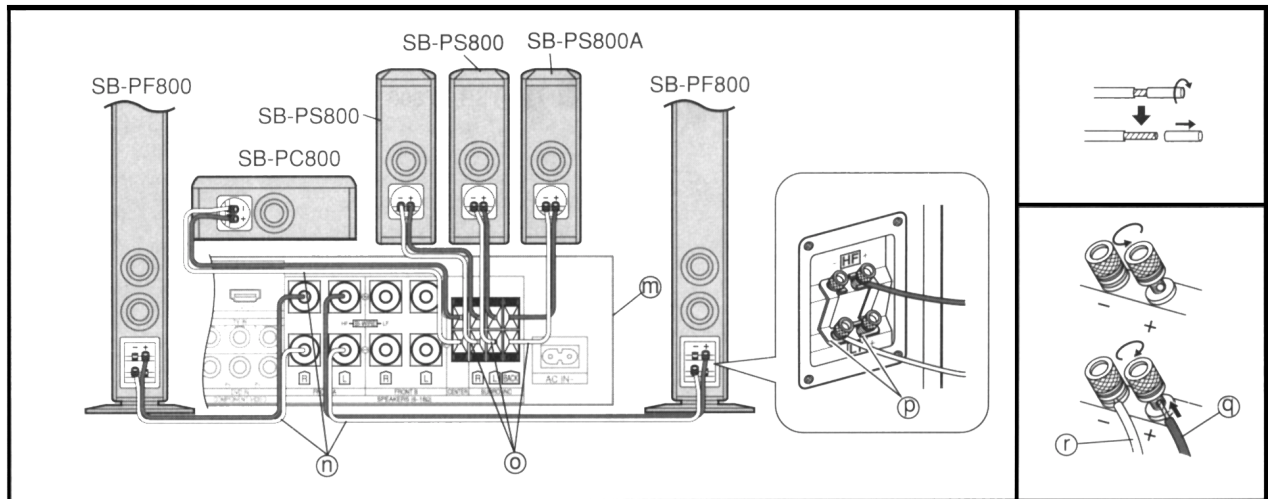
Step 3: Release the indicated nuts.

Step 4: Remove the network assembly.



2 Connection of the Speaker Cables

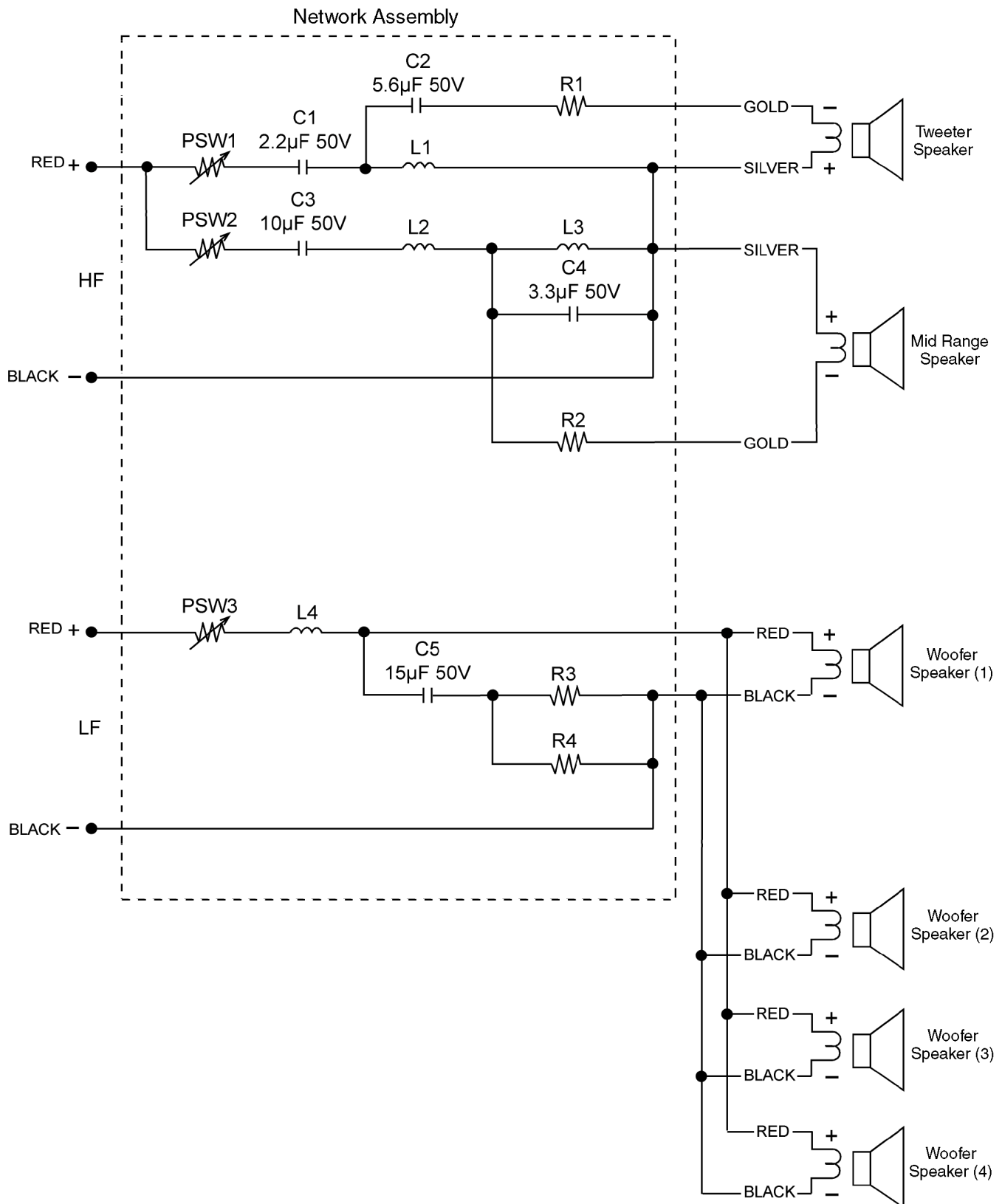
- Be sure to connect speaker cables before connecting the AC power supply cord.
 - The load impedance of any speaker used with this unit must be 6Ω.
 - Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)
 2. Insert the wire to the rear panel of the unit and close the lever.



Notes :




- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.

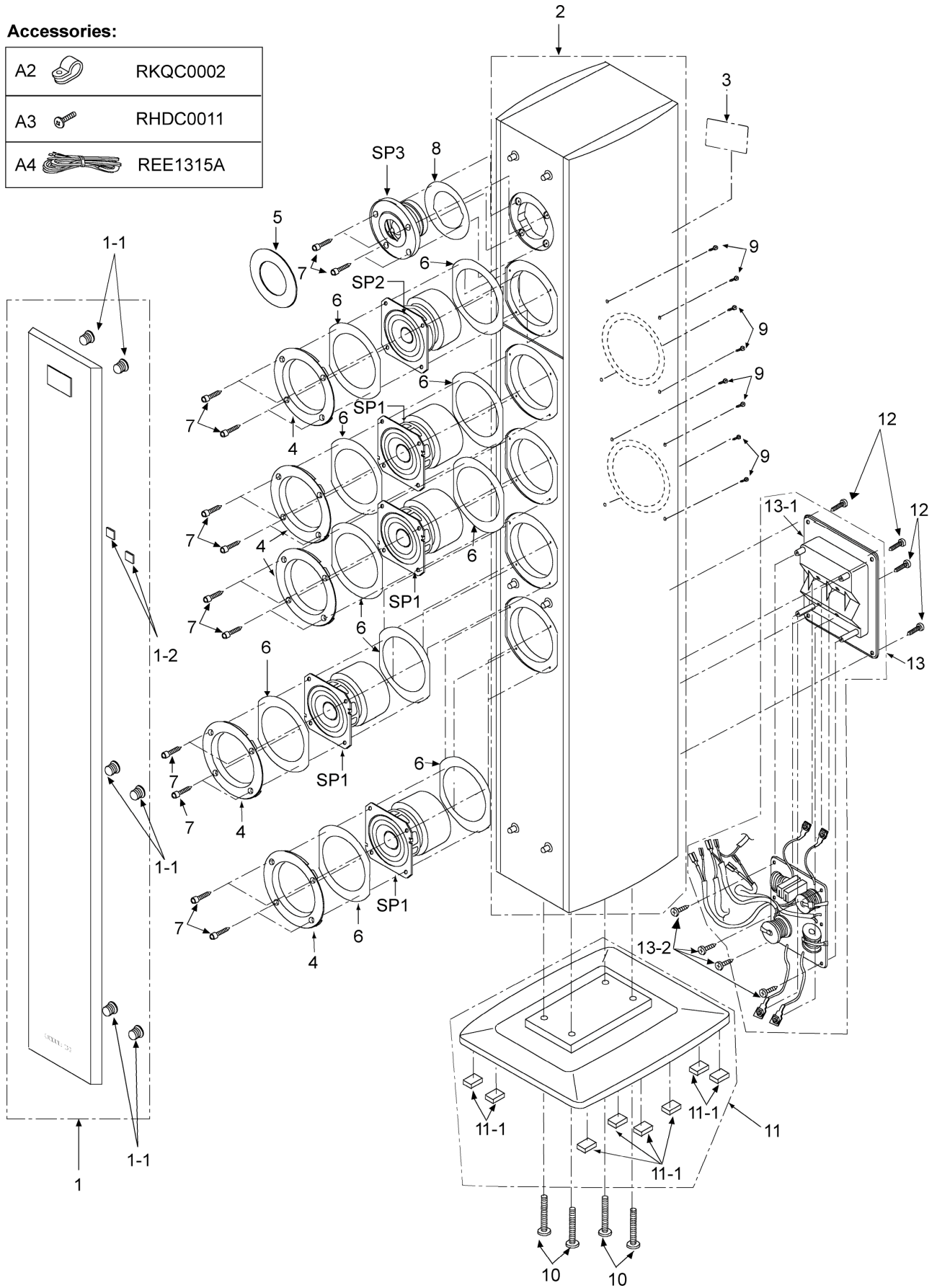
3 Connection of the Wiring Diagram



4 Cabinet Parts Location

Accessories:

A2		RKQC0002
A3		RHDC0011
A4		REE1315A



5 Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] indicates in the Remarks columns indicates parts supplied by **PAVCSG**.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RYB0325A	NET FRAME ASS'Y	[M]
1-1	RMG0513-K	NET HOLDER	[M]
1-2	RKA0072-KJ	CUSHION	[M]
2	RFKHBPF800EM	SPK CABINET ASS'Y	[M]
3	RGN2749-K	SPEC SHEET	[M]
4	RGK1495-K	WOOFER ORNAMENT	[M]
5	RGK1847-K	RING SHEET	[M]
6	RMQ0832A	WOOFER SHEET	[M]
7	RHD40011-K	SCREW	[M]
8	RMQ0832B	TWEETER SHEET	[M]
9	XTB3+16AFZ	SCREW (PORT)	[M]
10	XST5+35FN	SCREW (BASE)	[M]
11	RKA0172-K	STAND ASS'Y	[M]
11-1	RKA0147-K	LEG	[M]
12	XTN4+20AFZ	SCREW (TERMINAL)	[M]
13	REP3862A	NETWORK ASS'Y	[M]
13-1	RJH4414	TERMINAL	[M]
13-2	XTB3+10GFZ	SCREW FOR PWB	[M]
		SWITCHES	
PSW1	RRSSPK070	SW POLY	[M]
PSW2	RRSSPK110	SW POLY	[M]
PSW3	SSBSRXE185	SW POLY	[M]
		COILS & TRANSFORMERS	

Ref. No.	Part No.	Part Name & Description	Remarks
L1	SLCSA151KE	CHOKE COIL	[M]
L2	SLCSA102KE	CHOKE COIL	[M]
L3	SLCSC472	CHOKE COIL	[M]
L4	SLCSA182KE	CHOKE COIL	[M]
		PACKING MATERIALS	
P1	RPQ7382	CARTON BOX	[M]
P2	RPH0249	PROTECT BAG	[M]
P3	RPN1758	POLYFOAM	[M]
		ACCESSORIES	
A1	RQT7806-E	O/I BOOK	[M]
A2	RKQC0002	NYLON CLAMP	[M]
A3	RHDC0011	SCREW (NYLON CLAMP)	[M]
A4	REE1315A	SPEAKER CORD	[M]
		RESISTORS	
R1	ERX5SJR82P	0.82 5W	[M]
R2	ERX5SJ5R6P	5.6 5W	[M]
R3	ERX5SJ15	150 5W	[M]
R4	ERX5SJ15	150 5W	[M]
		CAPACITORS	
C1	ECEA1HAY2R2	2.2uf 50V	[M]
C2	ECA1HAY5R6S	5.6uf 50V	[M]
C3	ECA1HAY100S	10uf 50V	[M]
C4	ECA1HAY3R3S	3.3uf 50V	[M]
C5	ECA1HAY150S	15uf 50V	[M]
		SPEAKERS	
SP1	EAST8PL24A6	WOOFER	[M]
SP2	EAST8P25A6	MID RANGE	[M]
SP3	EAST16KH10A6	TWEETER	[M]

6 Packaging

