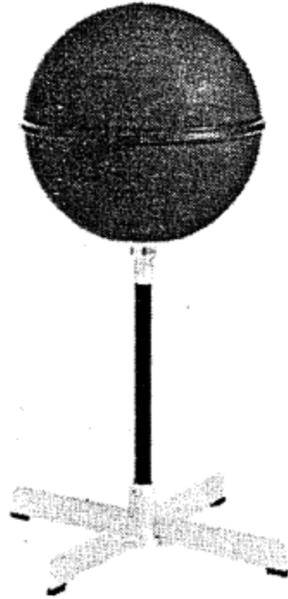


SERVICE MANUAL



MODEL GB-1ED OMNI-DIRECTIONAL SPEAKER SYSTEM

SPECIFICATIONS

- Type : Acoustic-suspension globular speaker system
- Speakers : Four-5inch roll free-edge cone speakers.
Four-2inch horn speakers for the highs.
- Power handling capacity : 100W peak max. or 50W r.m.s max.
- Impedance : 8Ω
- Frequency Range : 35~20000Hz
- Crossover Frequencies : 8000Hz
- Dimensions : 13 1/2 inches
- Weight : 26.4 lbs

ACCESSORIES

- Envelope E64207-001
- Instruction book E30580-333A
- Speaker Cord Ass'y E41577
- Warranty cord E64213-002

PACKING ILLUSTRATION

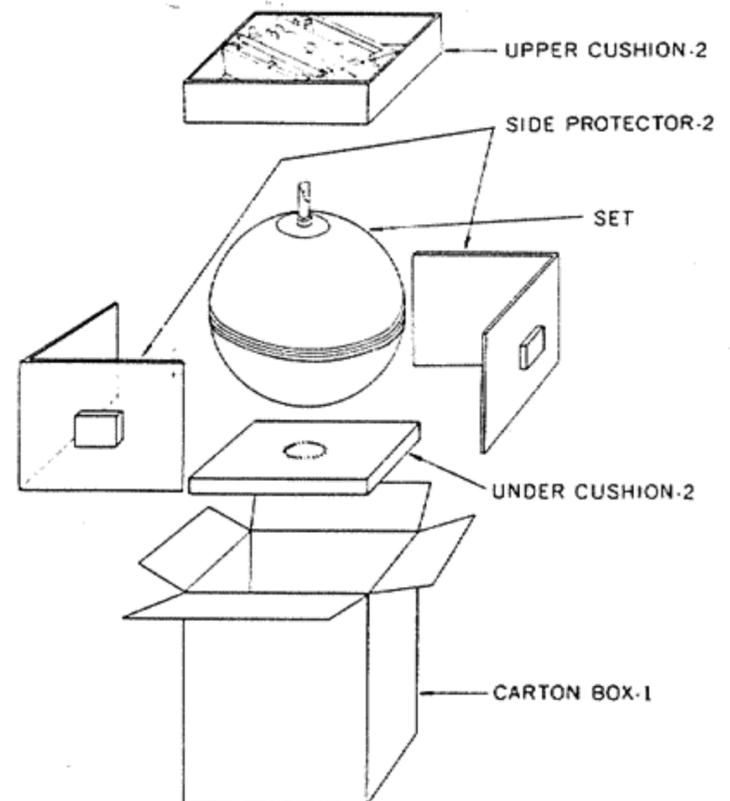


Fig. 1

PARTS NO.	PARTS NAME
GB-1ED-PK	CARTON BOX-1
GB-1ED-NZ	PACKING MATERIALS-2

FEATURE

(1) Completely non-directional sound

Four 5" (13cm) rolled free-edge woofers and four 2" (5cm) horn tweeters are radially arranged at equal intervals around the spherical surface. This ensures the same frequency characteristics in all directions. The sound field is the same wherever the listener may be.

(2) A rich and heavy bass

The bass characteristic of the spherical waves from a breathing sphere is twice as efficient as that of the 2-dimensional waves from an oscillating diaphragm. Since the enclosure of this speaker system is 13-1/2" (34cm) in diameter its bass reproduction is equivalent to that of a plane baffle with two 12" (30cm) woofers.

(3) Floor or ceiling mounting

Using the stand GBS-1E they can stand on the floor or, to save floor space, they can be hung from the ceiling.

(4) Directional control

For audio enthusiasts who want to experiment, the directivity can be changed to suit the environmental conditions of the room and the arrangement of speakers and program sources. The directivity control device has been designed so as to give infinite variations in the directivity, from axial to perfectly non-directional.

DISASSEMBLY-I

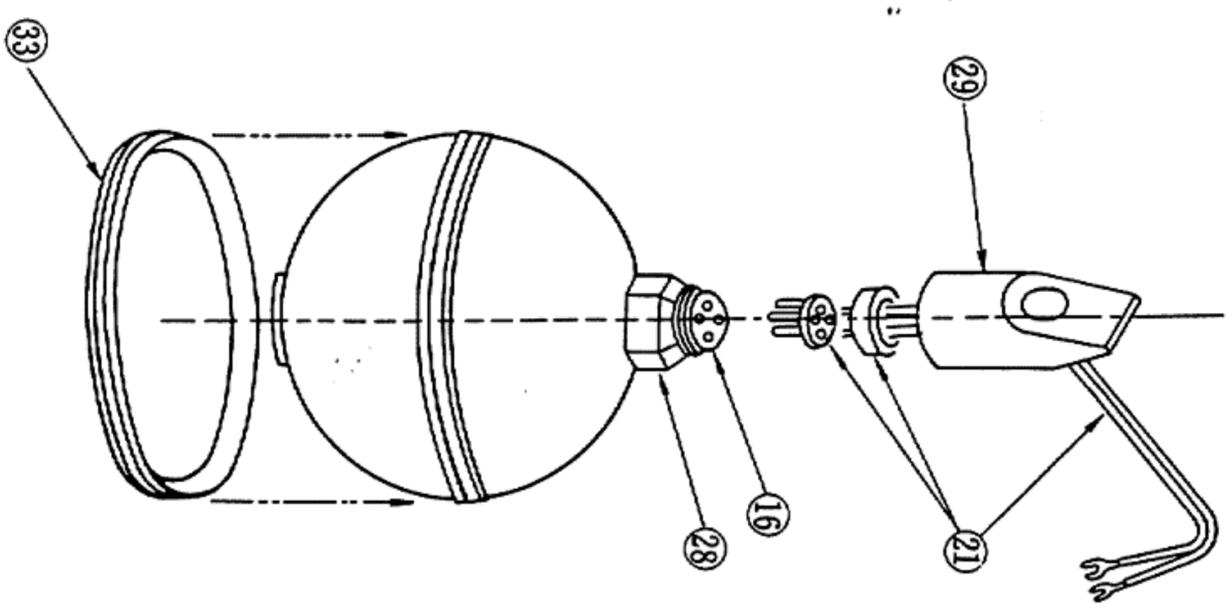
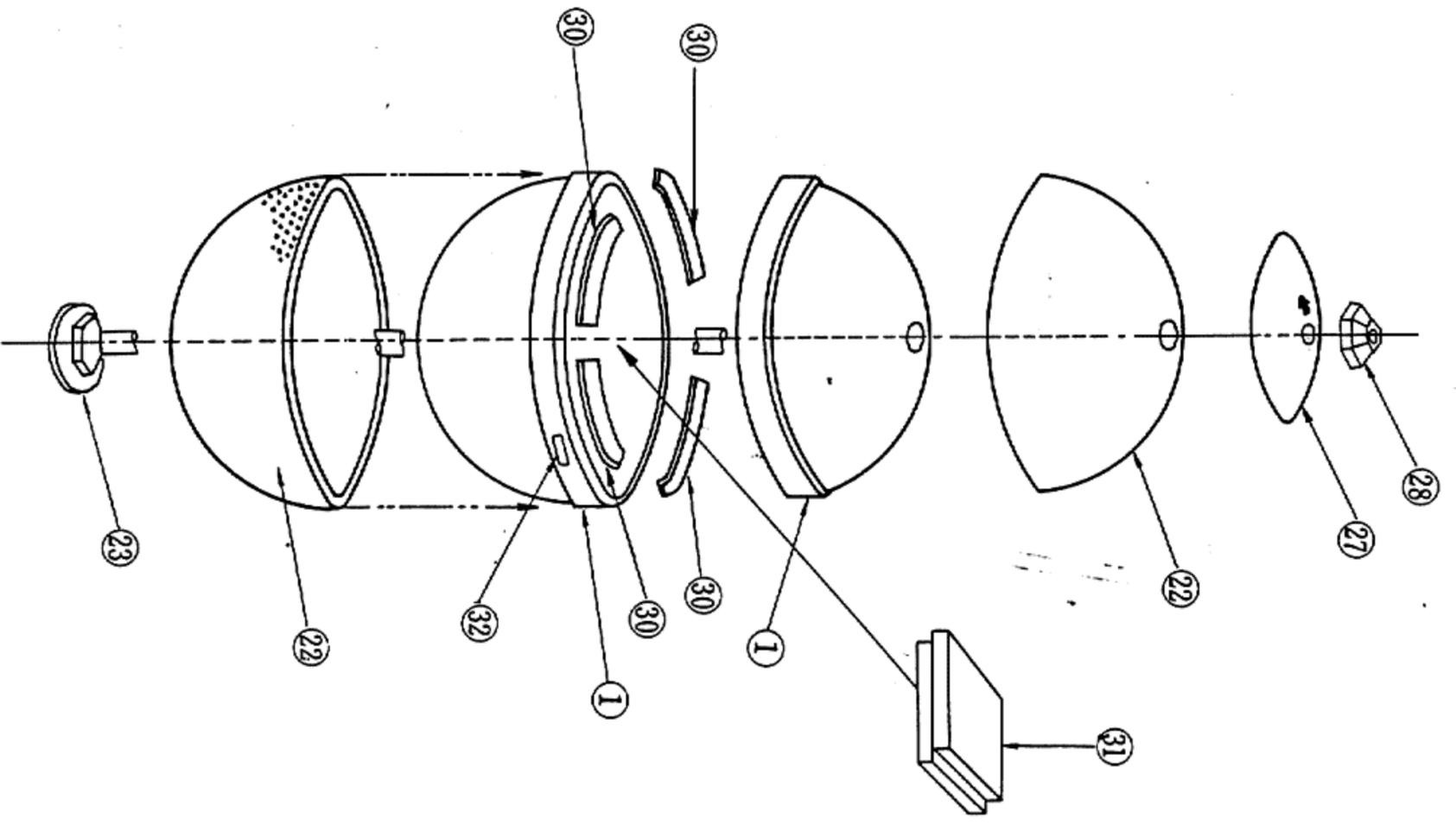
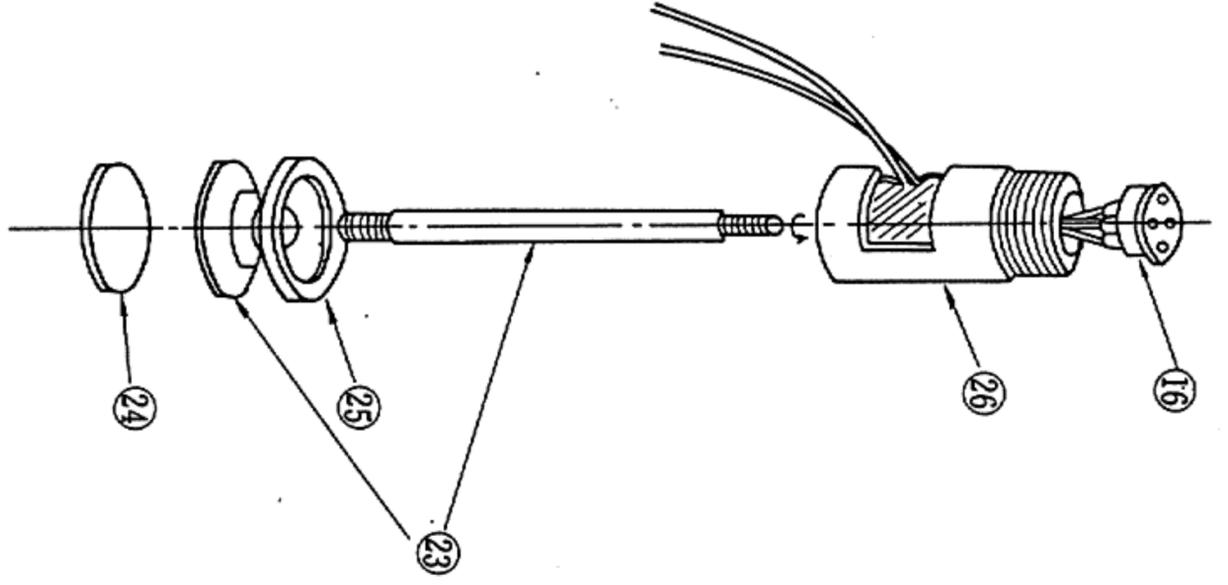


Fig. 2

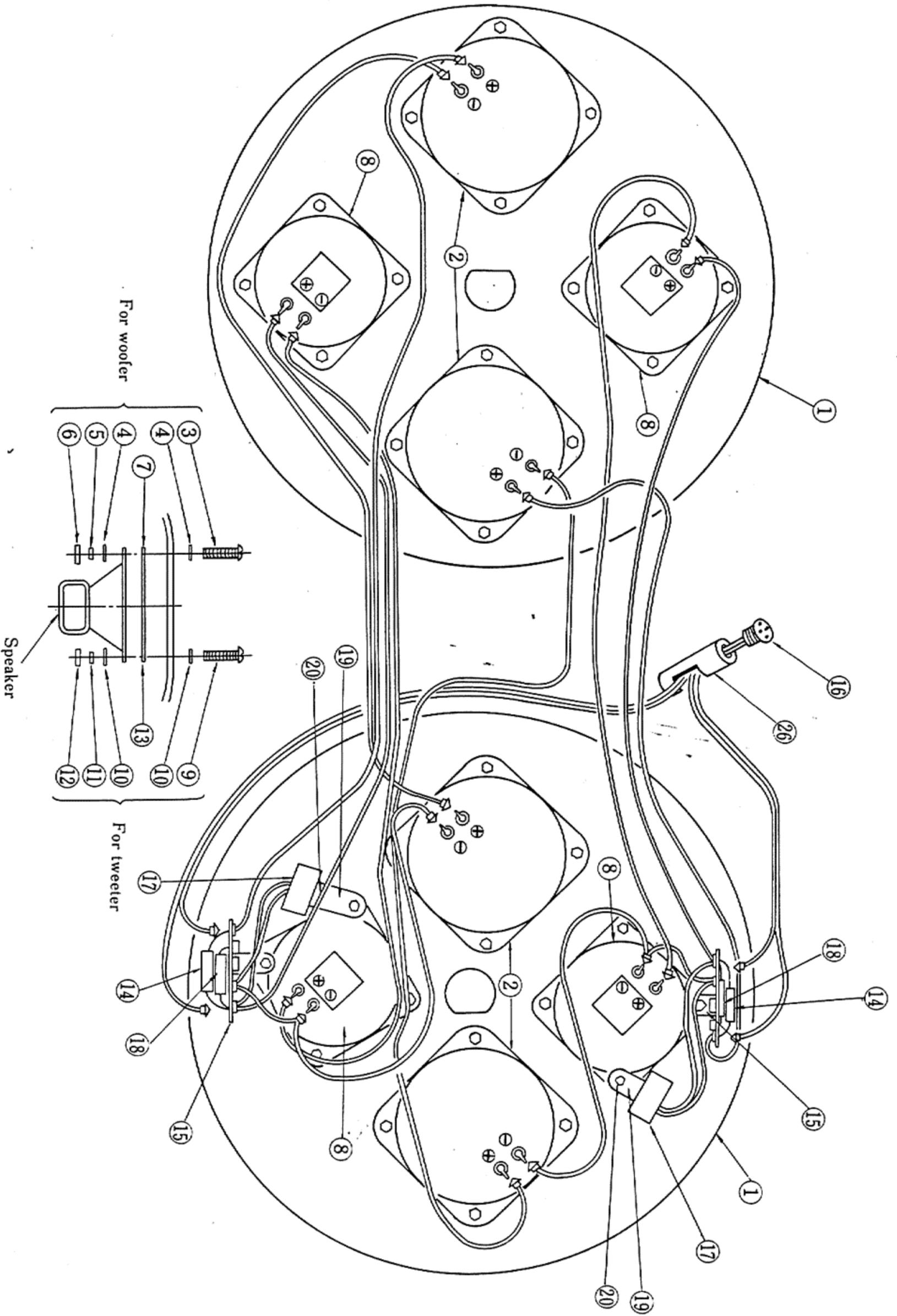


Fig. 3

The List of Main Parts for Replacement

DWG. NO.	PARTS NO.	PARTS NAME	DESCRIPTION	
1	E1301-2	Cabinet	for GB-1ED	
2	SK-2142Ee	5" (13cm) Speaker	(8Ω) Woofer	
3	SPSP4025MS	Screw	} for Fixing 5" Speaker	
4	WNB4000M	Washer		
5	WLS4000M	Lock Washer		
6	NNZ4000ZS	Nut		
7	E40668-1	Spacer		
8	SK-2169Bbe	Horn Speaker		(8Ω) Super Tweeter
9	SPSP3016MS	Screw		} for Fixing Super Tweeter
10	WNB3000M	Washer		
11	WLS3000M	Lock Washer		
12	NNZ3000ZS	Nut		
13	E40663	Spacer		
14	Q03174-002	N.P.E. Cap	0.47μF 50V	
15	Q03001-31	Lug Strip Ass'y	for Network Ass'y	
16	E04123	4P Socket Ass'y	for Input	
17	E0798-D	Reactor	0.77mH	
18	QRF201K-160	Cement Resistor	16 Ω/20W	
19	E6036	Coil Bracket	} for Fixing Reactor	
20	E40215-A	Bracket		
21	E41577	Plug and Wire Ass'y	Speaker Cord	
22	E404124 E41037-2 E41570	4P Plug Ass'y "Y" Type Lug Wire	} Solderd	
				E30861-002
23	E42799-001	Shaft Ass'y	} Glued	
	E41367-2	Mark Base		
	E41500-2	Center Shaft		
24	E45382-001	Mark	for JVC	
25	E45618-001	Spacer	for Fixing Shaft Ass'y	
26	E41337-2	Joint	for Shaft Ass'y	
27	E30869-10	Sub Cover	for JVC GB-1ED	
28	E41336-2	Nut	for Shaft Ass'y	
29	E41349-2	Shaft Bracket	for Hang Cabinet	
30	E30952	Felt Spacer	for Fixing Cabinet	
31	E41575-1	Acetate Wool		
32	E41796-1	Serial Label		
33	E20445-001	Rubber Belt	for Fixing Cabinet	

FREQUENCY CHARACTERISTICS

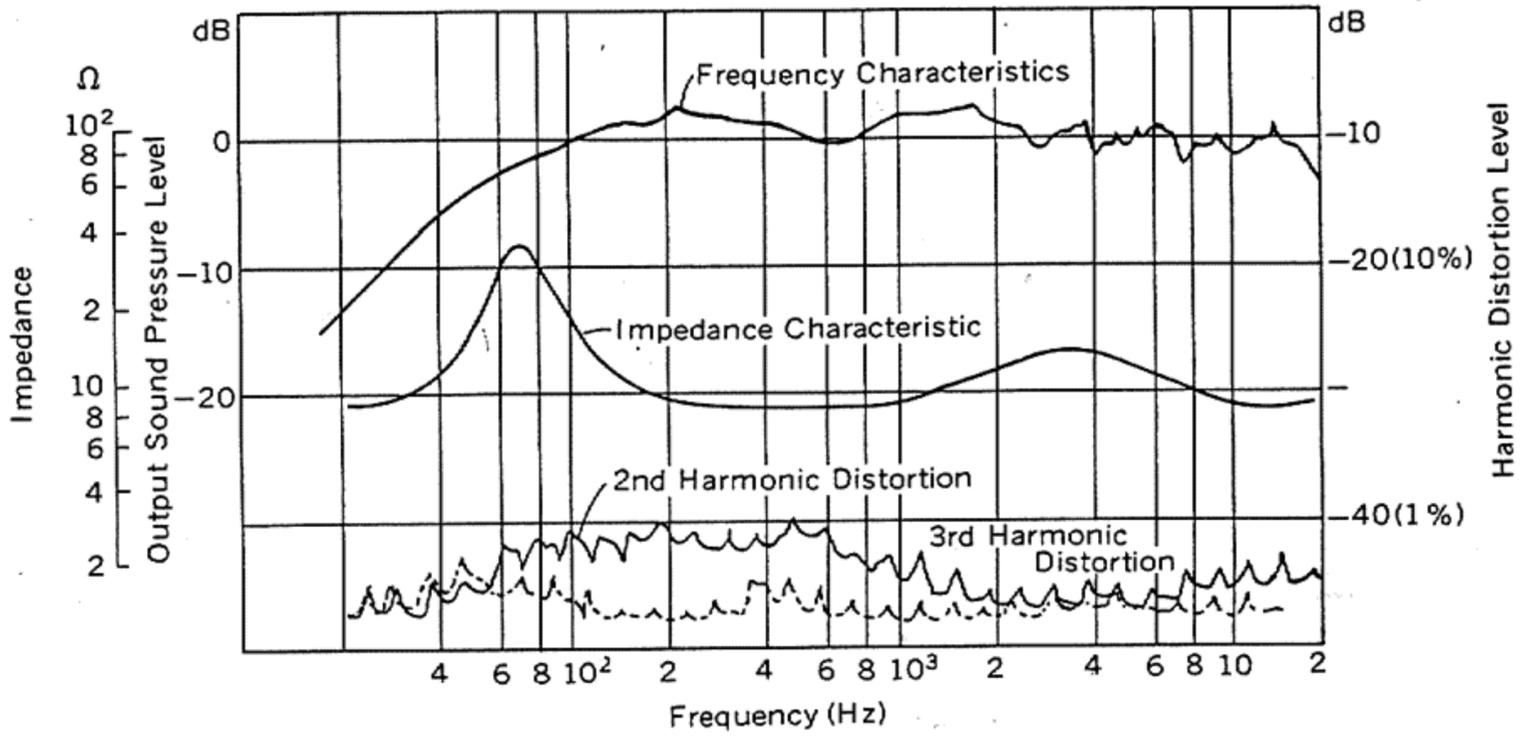


Fig. 4

Measuring conditions

Input : 2.8V (Constant)
 Distance : 50cm from the spherical baffle surface
 0dB : 90dB S.P.L.

SCHEMATIC DIAGRAM

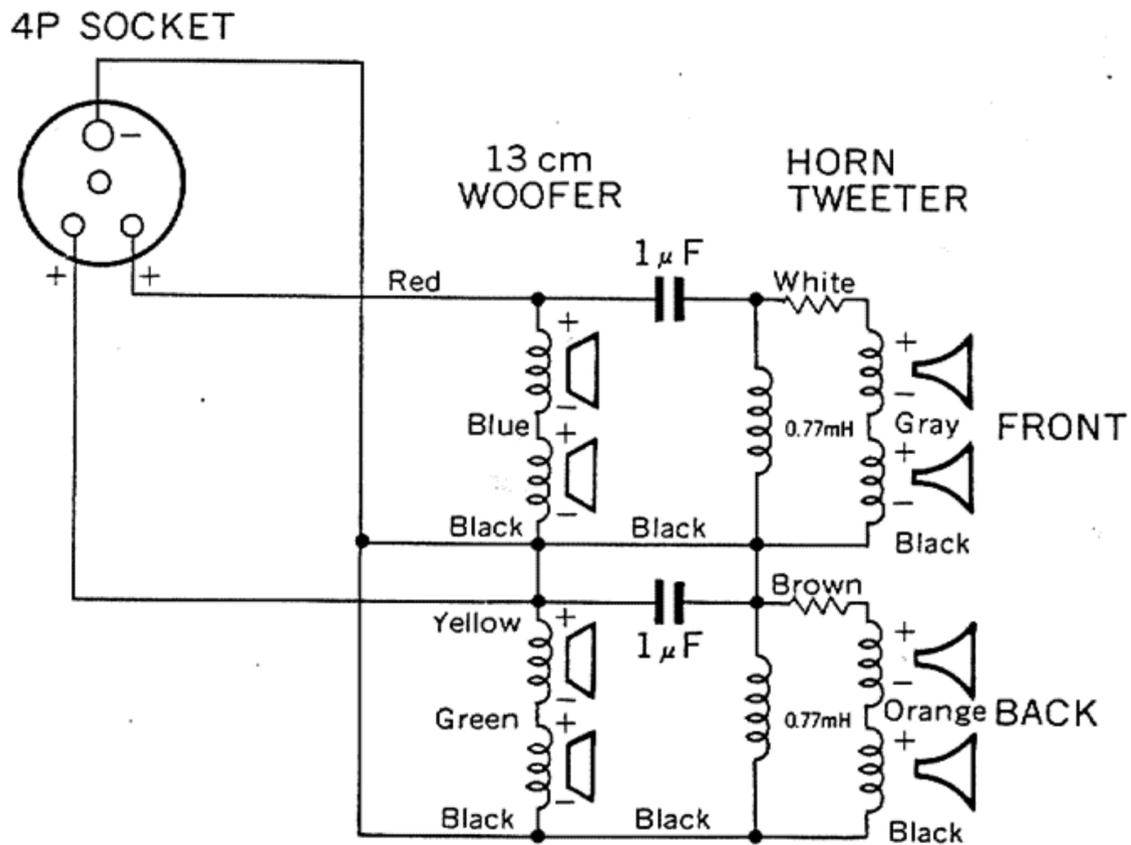


Fig. 5