

SERVICE GUIDE

IBK



CA-211S

Version:1.0

Revision History

Version	Date	Changes
1.0	Official Release	

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Getting Started

Conventions Used in this Guide



Attention

Pay Special Attention: Instructions that are important to remember and may prevent mistakes.



Caution: Information that, if not followed, may result in damage to the product.

Safety Precautions

The following precautions should be observed in handling the speaker described in this guide:

Place the speakers on a flat , level and stable surface.

Do not place the speakers in environments subject to mist, smoke, vibration, excessive dust, salty or greasy air, or other corrosive gases and fumes.

Do not drop or jolt the speakers.

Do not allow anything to drop into the subwoofer case through its ventilator, as it could result in fatal electric shock or fire.

Place the unit far enough from other equipments for good heat dissipation.

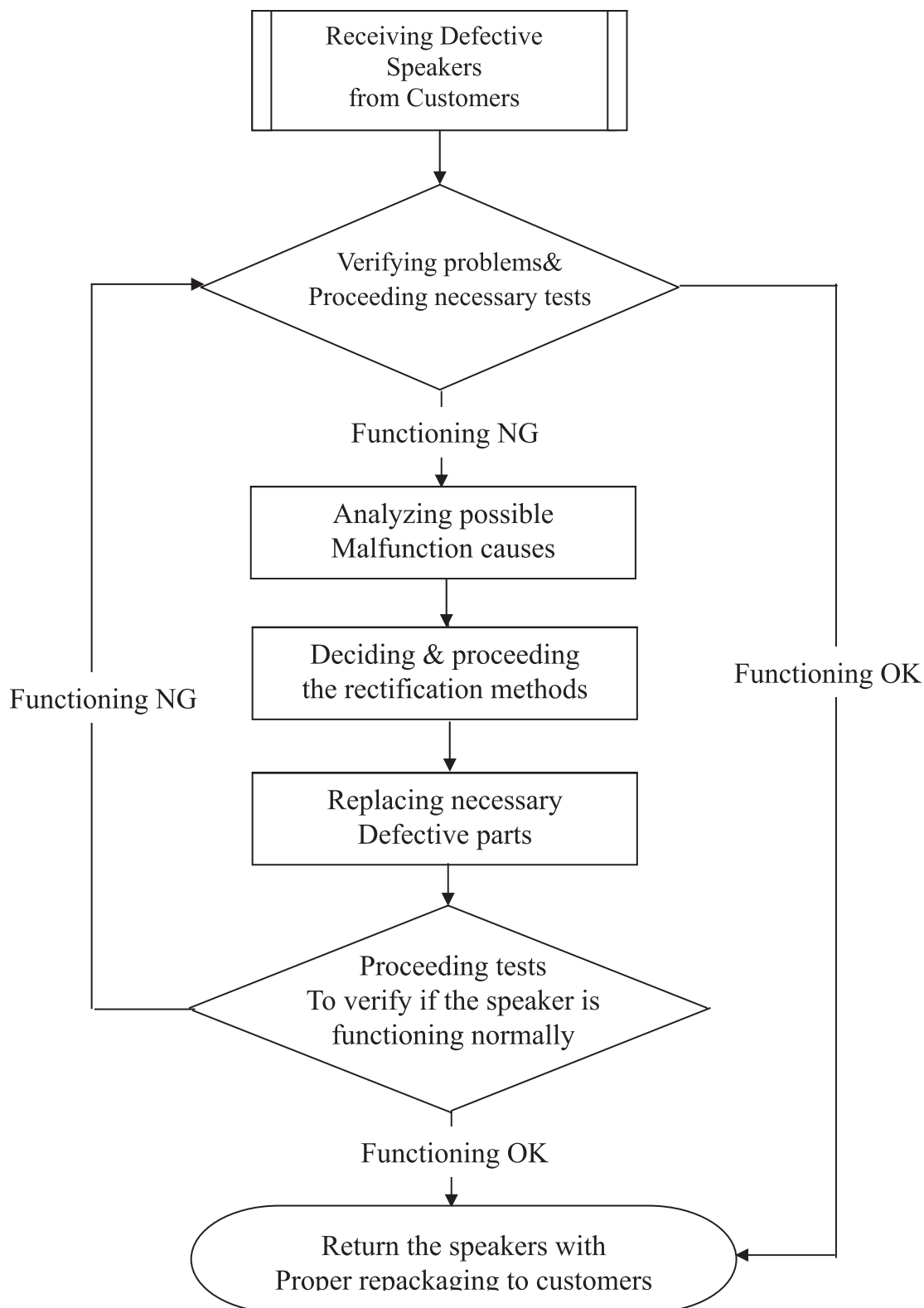
Disconnect the AC power cord from the AC outlet before performing any maintenance on the speakers.

Do not perform any maintenance with wet hand.

Prevent foreign substance, such as water, other liquids or chemicals, from entering the speakers while performing maintenance procedures on the speakers.

Chapter 1. How to Handle Defective Returns

1.1 Overview



1.2 Problems

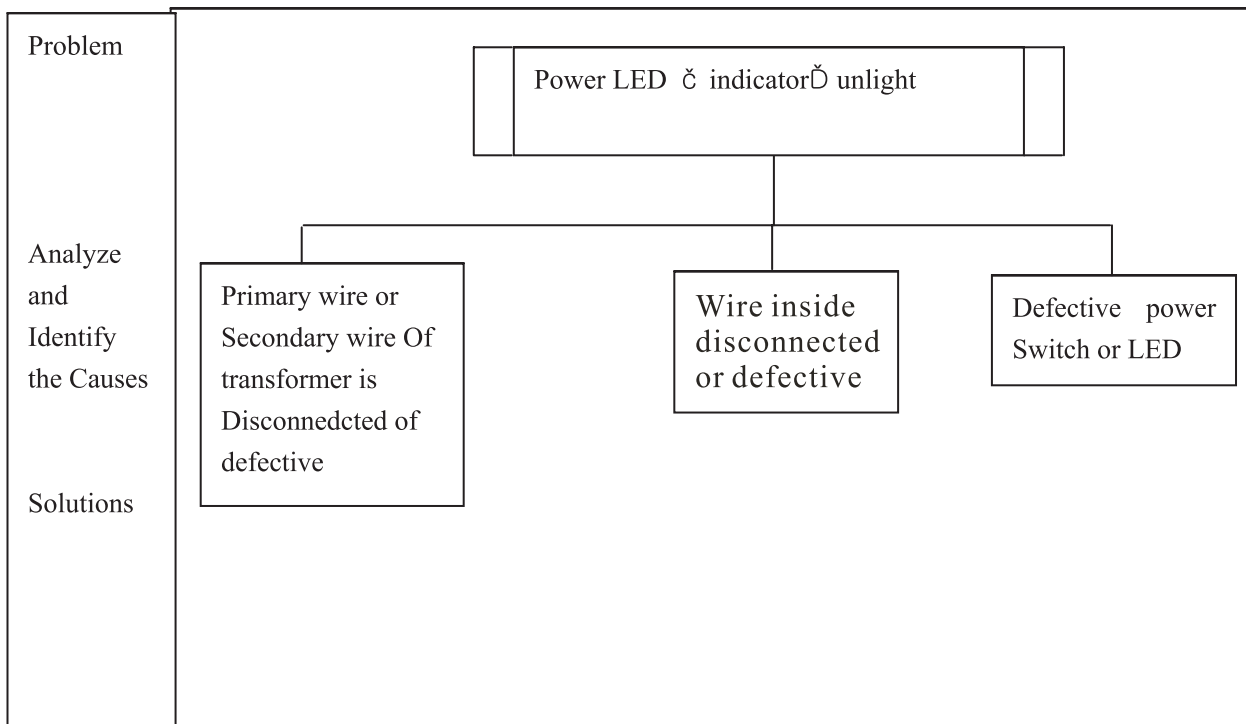
Item	Problem descriptions
1.2.1	<u>Power LED (indicator) unlight</u>
1.2.2	<u>Does not work or one channel no sound</u>
1.2.3	<u>Noise</u>

Please follow the numbered sequence marked withing parenthesis given in individual Flow chart, in that this is the best-recommended sequence to rectify the problems.

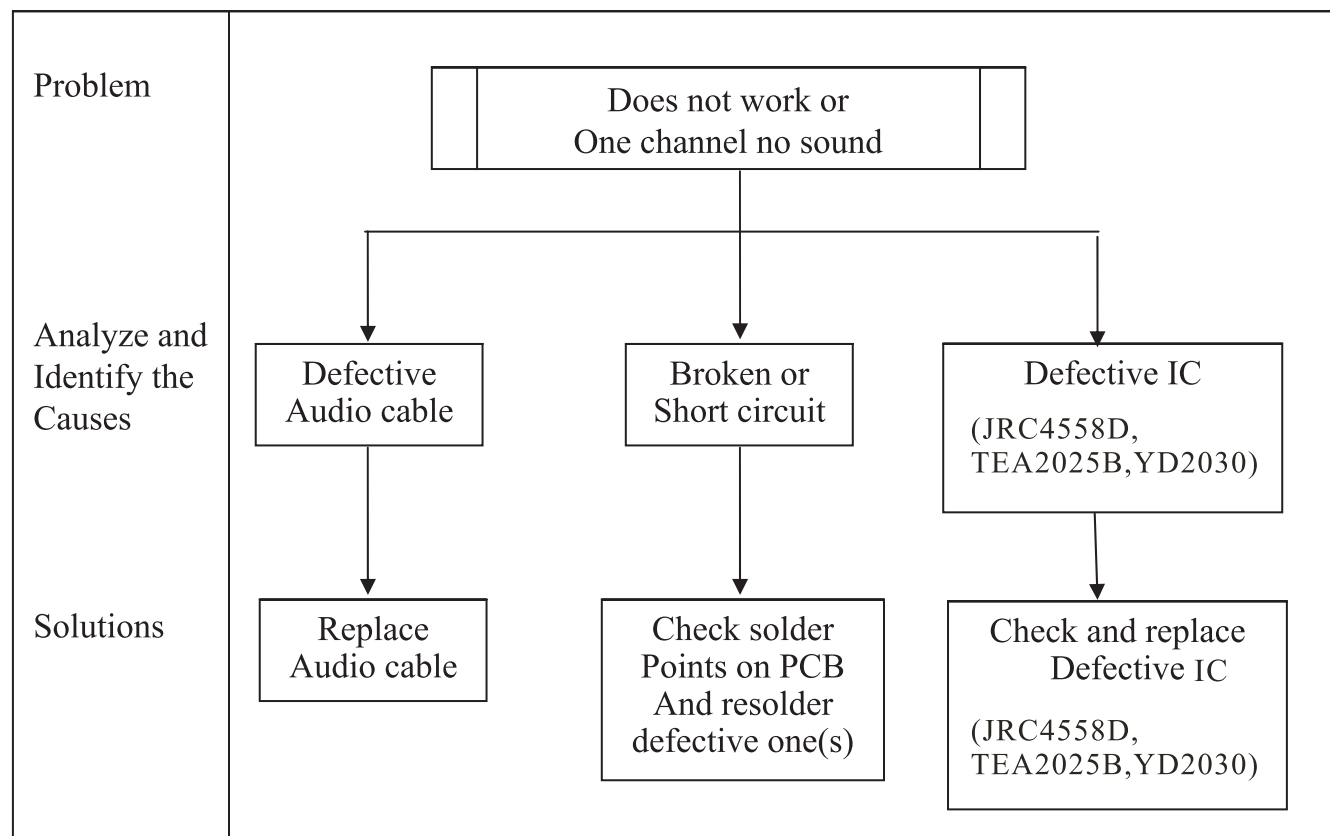


Attention

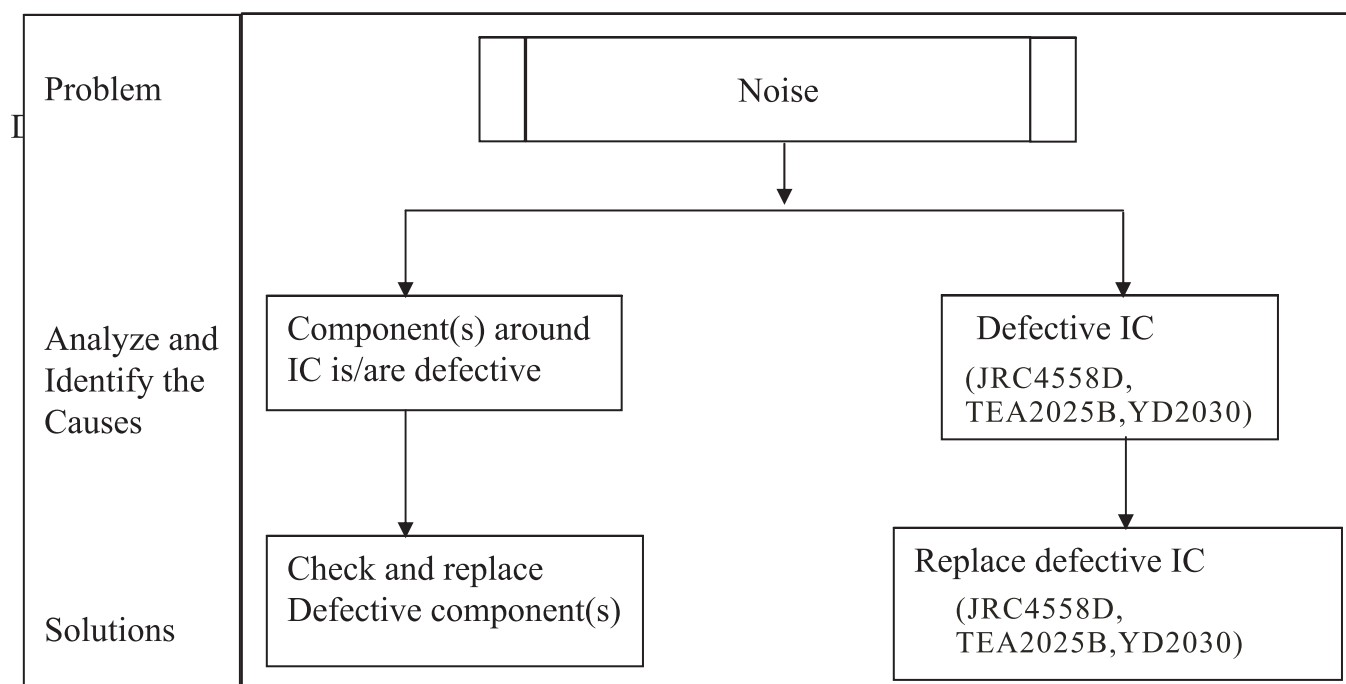
1.2.1 Power LED (indicator) unlight



1.2.2 Does not work jor jone channel no sound



1.2.3 Noise



Chapter 2. Specifications

Satellite

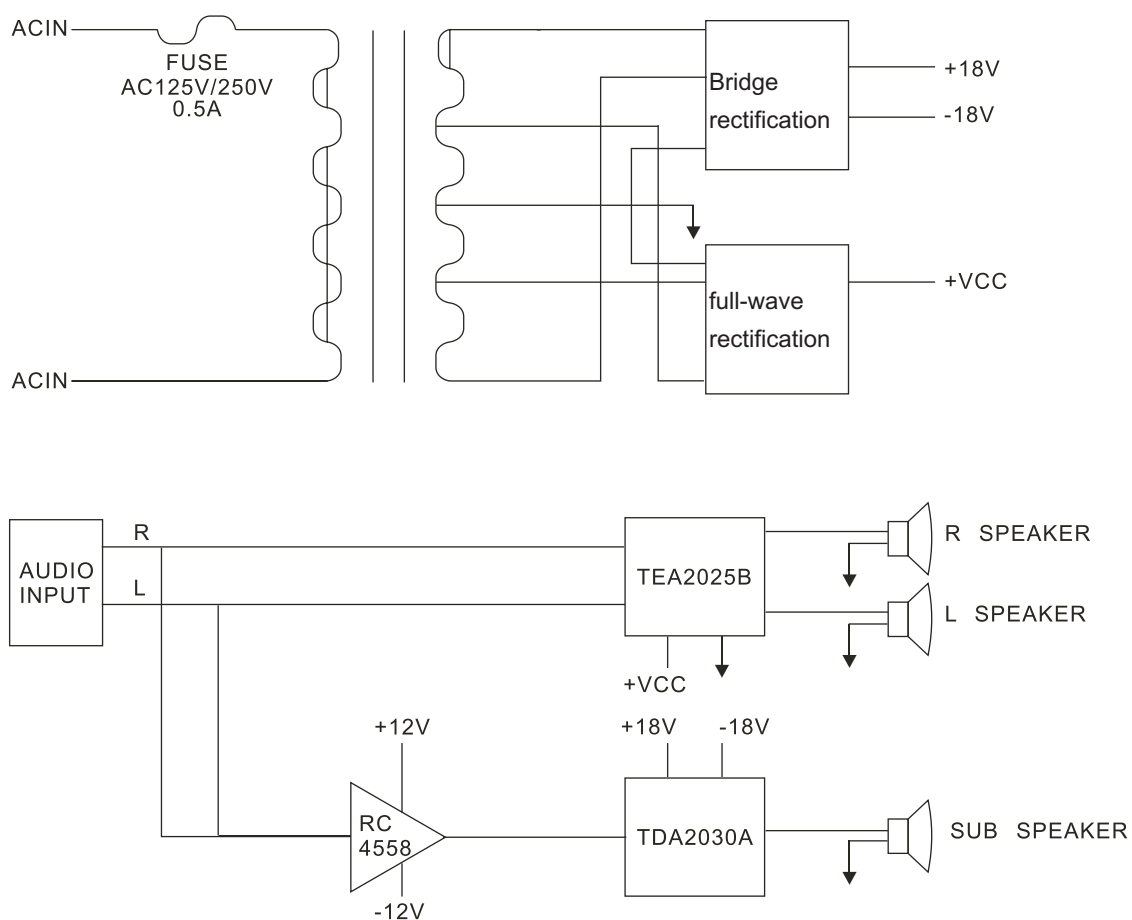
No	DESCRIPTION	UNIT	NOMINAL		LIMIT
			R	L	
1.	RATED OUTPUT POWER @THD 10%	W	2.5	2.5	>2
2.	CHANNEL SEPARATION(ONE CHANNEL IN; OTHER CHANNEL INPUT SHORTING)	dB	38	38	>35
3.	DISTORTION(AT REFERENCE Pout)	%	0.25	0.25	<1
4.	S/N @RATED O/P POWER	dB	75	75	>50
5.	FREQUENCY RESPONSE (AT REF Pout=0dB)		FL	FH	FL FH
		Hz	380	20K	380 20K
6.	SENSITIVITY (AT THD=10%)	mV	360	360	310~410
7.	HUM NOISE (VR MAX) (VOLUME MAX; INPUT SHORTING)	mV	0.65	0.65	< 1
8.	HUM NOISE (VR MIN) (VOLUME MIN. INPUT SHORTING)	mV	0.25	0.25	<0.5

Chapter 2. Specifications

Subwoofer

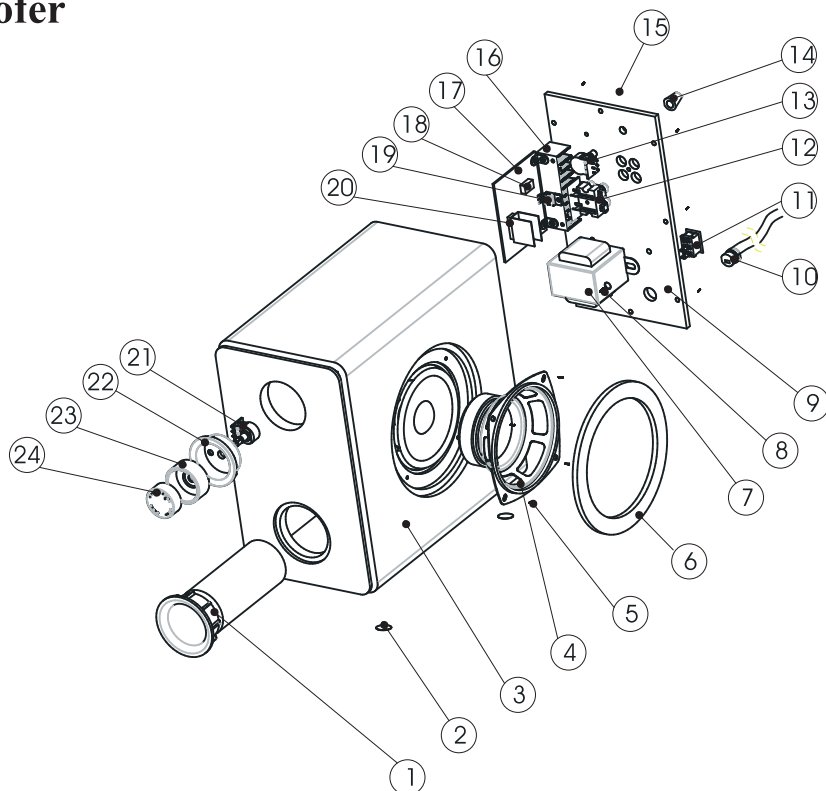
No	DESCRIPTION	UNIT	NOMINAL	LIMIT
1.	RATED OUTPUT POWER @THD 10%	W	9	>8.5
2.	DISTORTION(AT REFERENCE Pout)	%	0.1	<0.5
3.	FREQUENCY RESPONSE (AT REF Pout=0dB)		FL FH	
		Hz	60 155	
4.	SENSITIVITY (AT THD=10%)	mV	150	100~200
5.	HUM NOISE (VR MAX) (VOLUME MAX; INPUT SHORTING)	mV	1.2	< 1.5
6.	HUM NOISE (VR MIN) (VOLUME MIN. INPUT SHORTING)	mV	0.4	<0.5

Chapter 3. Block Diagram

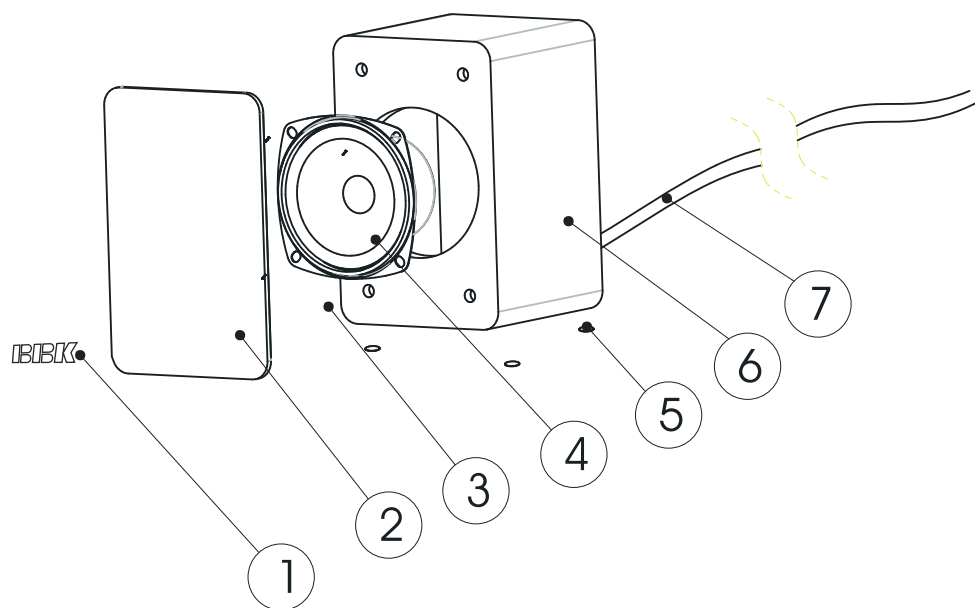


Chapter 4. Exploded View

Subwoofer



Satellite



Chapter 5. Part List

Subwoofer

Ref. No.	Description	RS Part No.	Qty/unit
1	Port	11350022/0035021	1
2	Mat	11820006	4
3	Wooden case	11720143/11720145	1
4	Speaker driver unit	11110032	1
5	Screw--fix speaker driver unit	11410014	4
6	Mask cover	11340016	1
7	Transformer	11120048	1
8	Screw--fix transformer	11410004	4
9	Back panel	11720040	1
10	Power wire	11210028	1
11	Switch	11250004	1
12	Av4 connector	11250007	1
13	Single joint potentiometer	11130006	1
14	Bass knob	11320019	1
15	Screw--fix back panel	11410011	8
16	Radiator	11450006	1
17	PCB board	14800018	1
18	4558 IC	11150001	1
19	2030 IC	11150013	1
20	2025 IC	11150004	1
21	Double--potentiometer	11130007	1
22	Decoration circle	11320018	1
23	Light guide circle	11330007	1
24	Volume knob	11320019	1

Satellite

Ref. No.	Description	RS Part No.	Qty/unit
1	Nameplate	11840023	1
2	Mask cover	11340015	1
3	Screw-fix speaker driver unit	11410005	4
4	Speaker driver unit	11110028	1
5	Mat	11820005	4
6	Wooden case	11720152/11720151/11720150	1
7	signal cable	11220002	1

Chapter 6. Important Notes**6.1 Packing requirement for sending the PCB assembly by post**

PCB assembly is a kind of sophisticated electronic circuit board. Well packing Will be required when sending them by post.

*Some sophisticated IC components are mounted on the PCB assembly, hence it is necessary to pack each PCB assembly with a separate static protecting bag, in order to avoid static electricity.

*Reliable external packing is also very important when sending the PCB assembly by post, in that it would avoid unnecessarily lost or damage.

6.2 Short of spare parts while repairing a speaker system

If you are short of spare parts when you have some speaker systems waiting to be repaired, it would be recommended to take the necessary parts from one Speaker system, so that you may have the as many speaker systems

Chapter 7. Circuit schematic

