SERVICE GUIDE

KYE SYSTEMS CORP

SW-HF5.1 3000

Version:1.0

Revision History

Version	Date	Change
1.0	15/03/2005	

Table of Contents

Getting Started

Conventions Used in this Guide

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

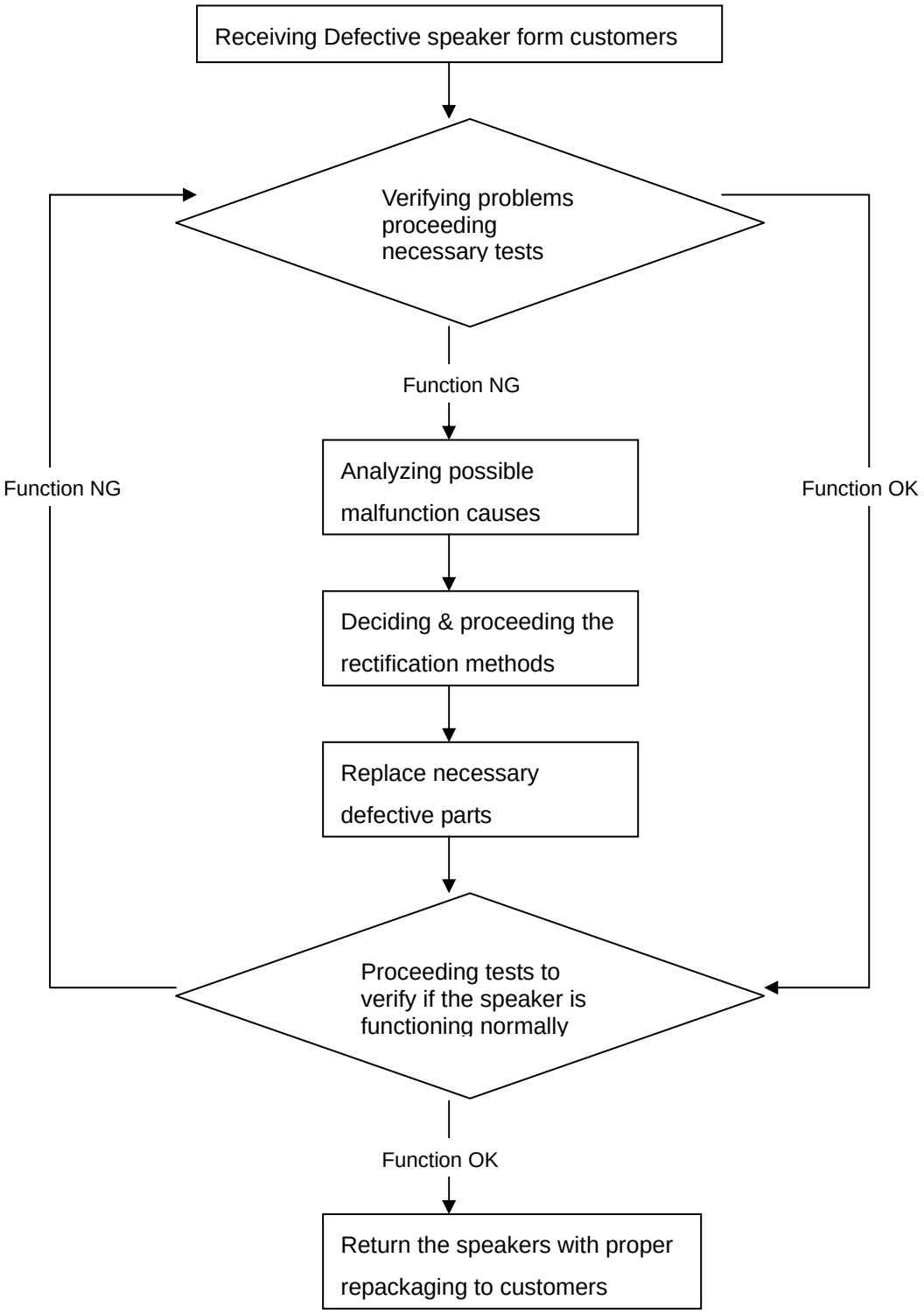
Caution: Information that, if not followed, may result in damage to the product.

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 substances, such as water, other liquids or chemical, from entering the speakers while performing maintenance procedures on the speakers.

Chapter 1. How to Handle Defective Returns

1.1 Overview



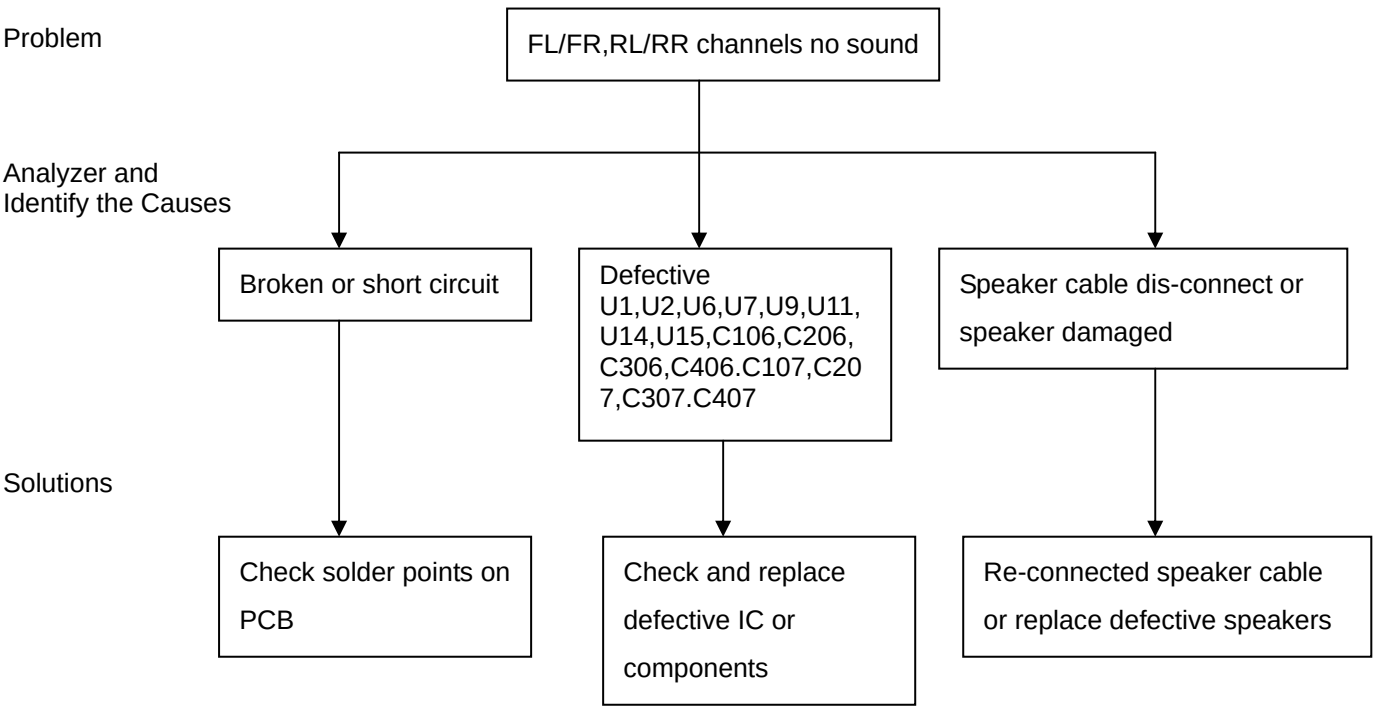
1.2 Problems

Item	Problem Description
1.2.1	FL/FR, RL/RR channels no sound
1.2.2	CEN channel no sound
1.2.3	Woofer channel no sound
1.2.4	Woofer no power

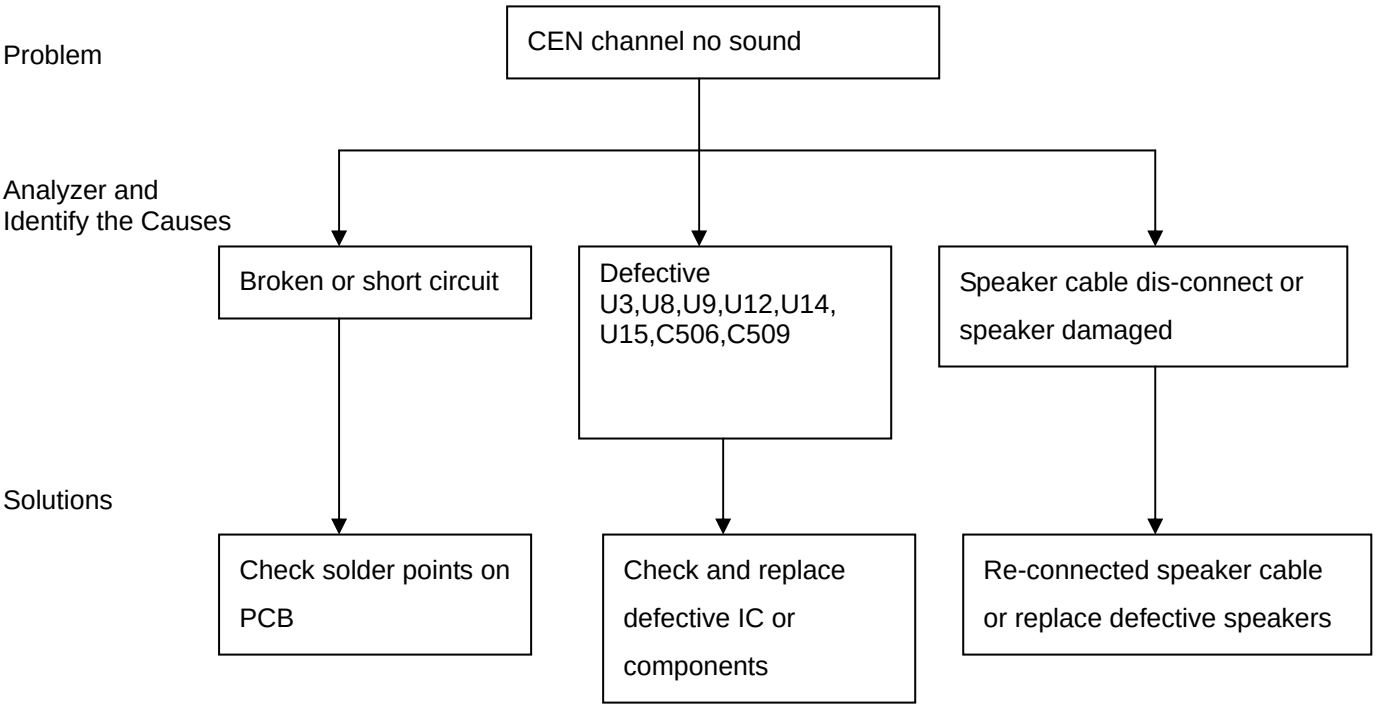
*** Attention**

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

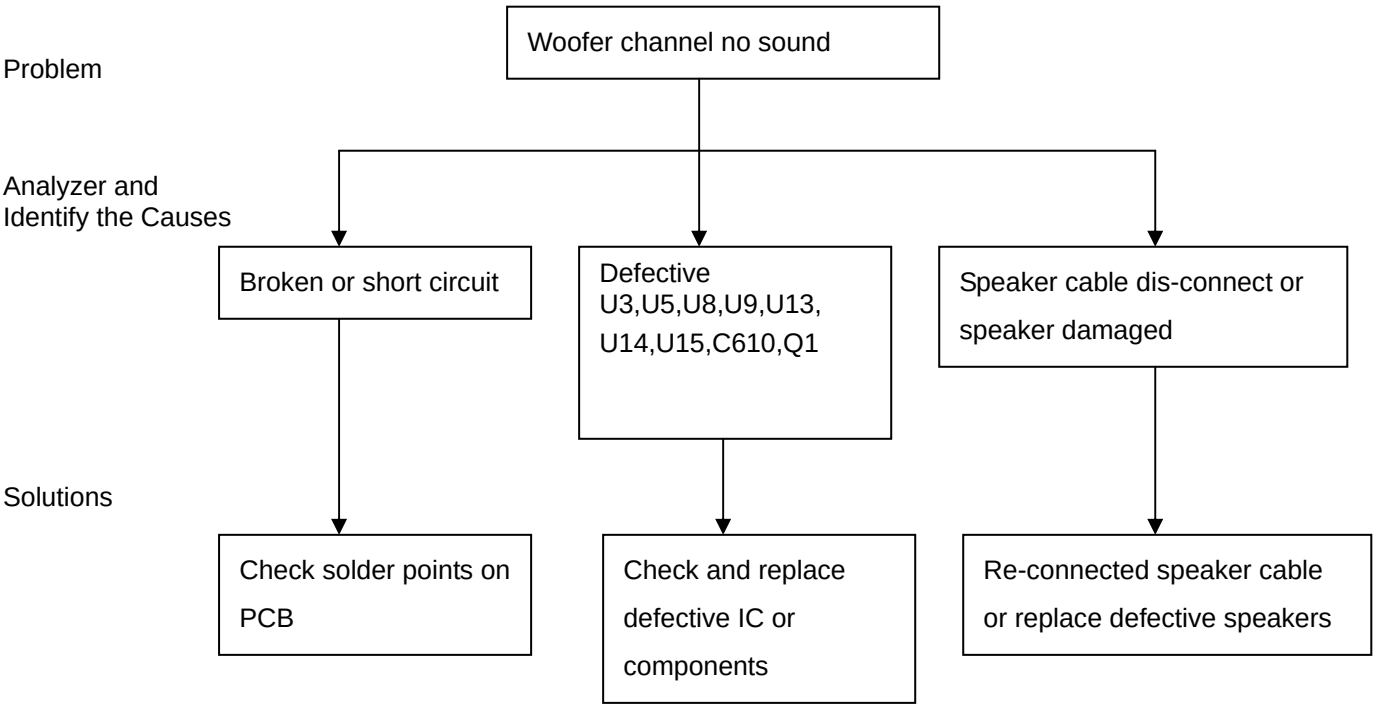
1.2.1 FL/FR, RL/RR channels no sound



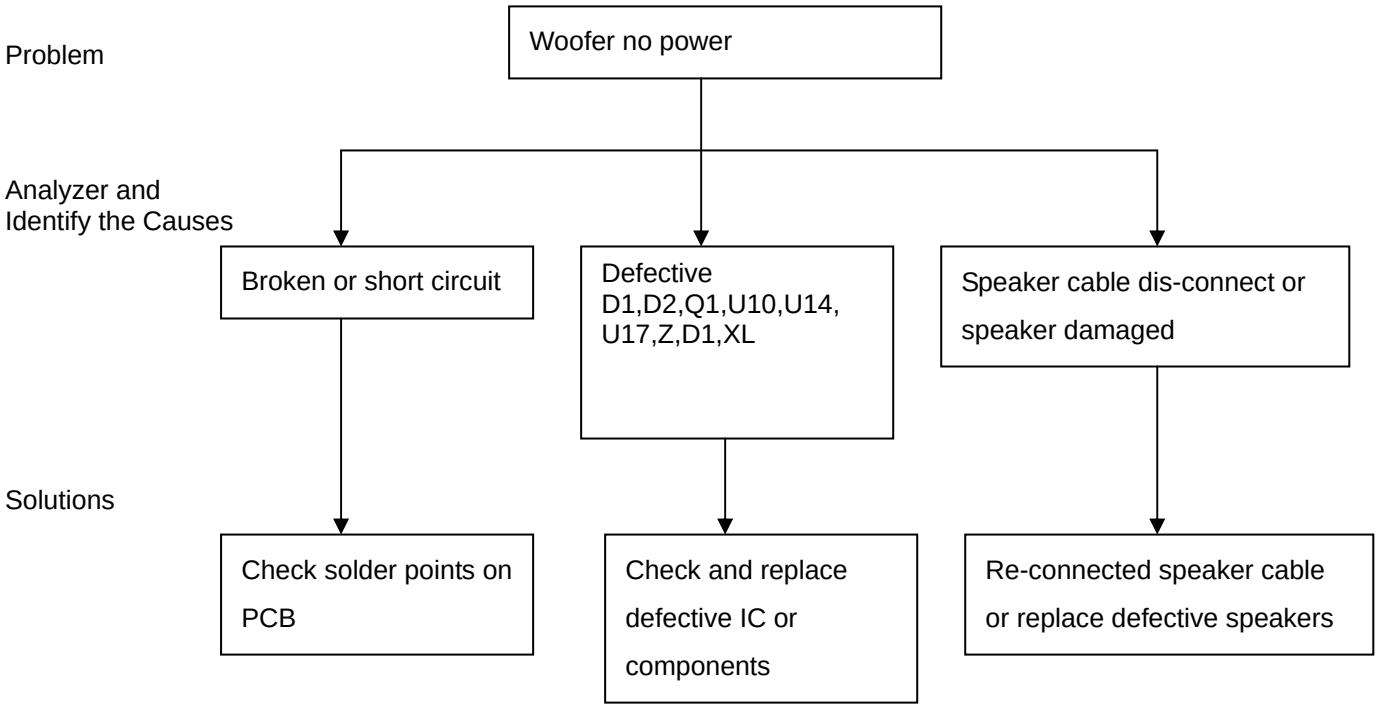
1.2.2 CEN channel no sound



1.2.3 Woofer channel no sound



1.2.4 Woofer no power



Chapter 2. Specifications

Satellite – Center (AT 1KHZ):

NO	Description	Unit	Specifications
1	Out Power at THD 10%	W	6 ± 1
2	Sensitivity	mV	300 ± 50
3	Freq Response (Ref:-3dB)	Hz	45~20K
4	S/N ratio	dB	≧ 50
5	Hum & Noise Vol:max	mV	≦ 5

Satellite – Front (AT 1KHZ):

NO	Description	Unit	Specifications
1	Out Power at THD 10%	W	6 ± 1
2	Sensitivity	mV	300 ± 50
3	Freq Response (Ref:-3dB)	Hz	45~20K
4	Separation	dB	≧ 35
5	S/N ratio	dB	≧ 50
6	Hum & Noise Vol:max	mV	≦ 5

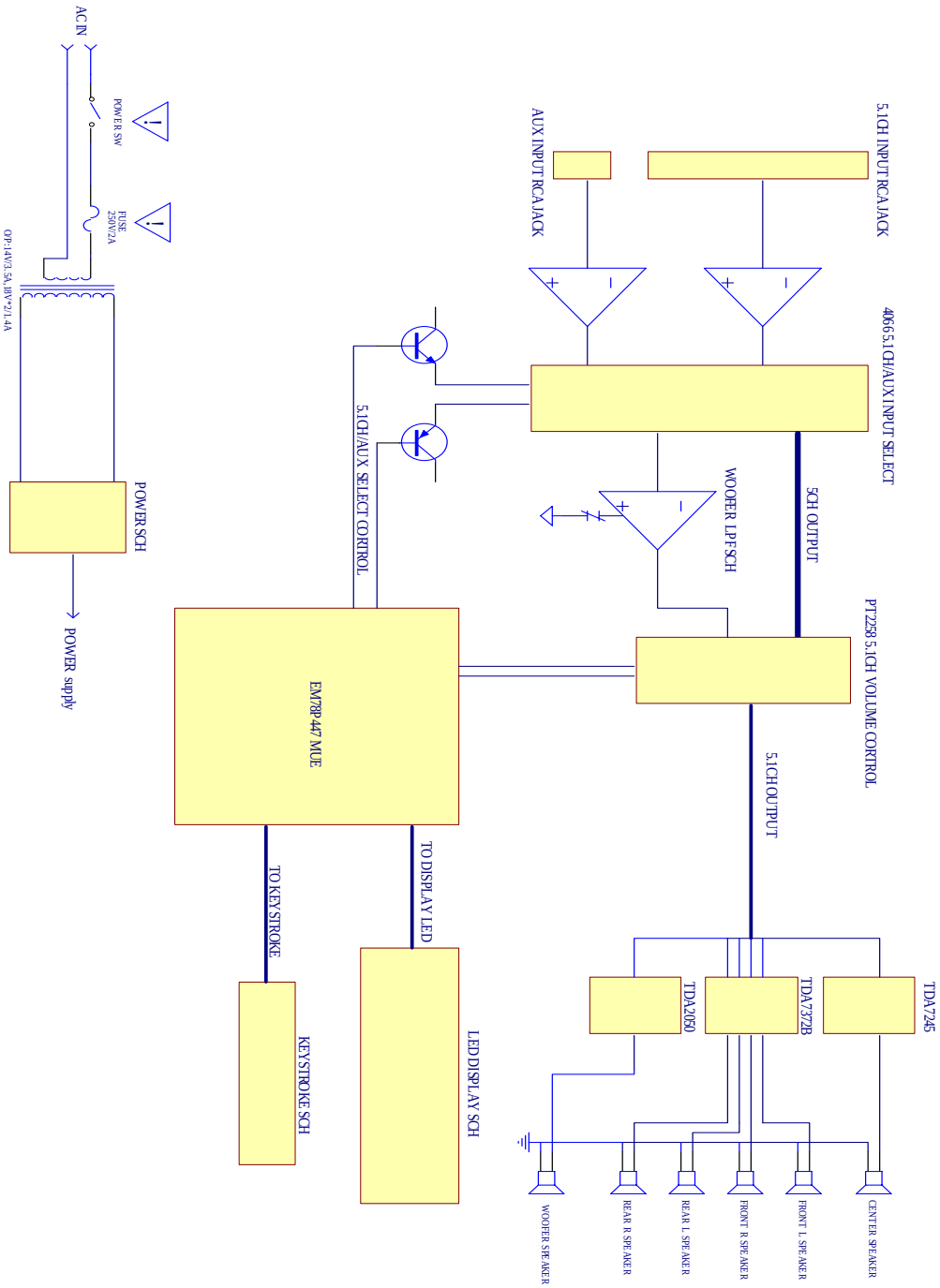
Satellite – Rear (AT 1KHZ):

NO	Description	Unit	Specifications
1	Out Power at THD 10%	W	6 ± 1
2	Sensitivity	mV	300 ± 50
3	Freq Response (Ref:-3dB)	Hz	45~20K
4	Separation	dB	≧ 35
5	S/N ratio	dB	≧ 50
6	Hum & Noise Vol:max	mV	≦ 5

Host (Woofer) (AT 100Hz):

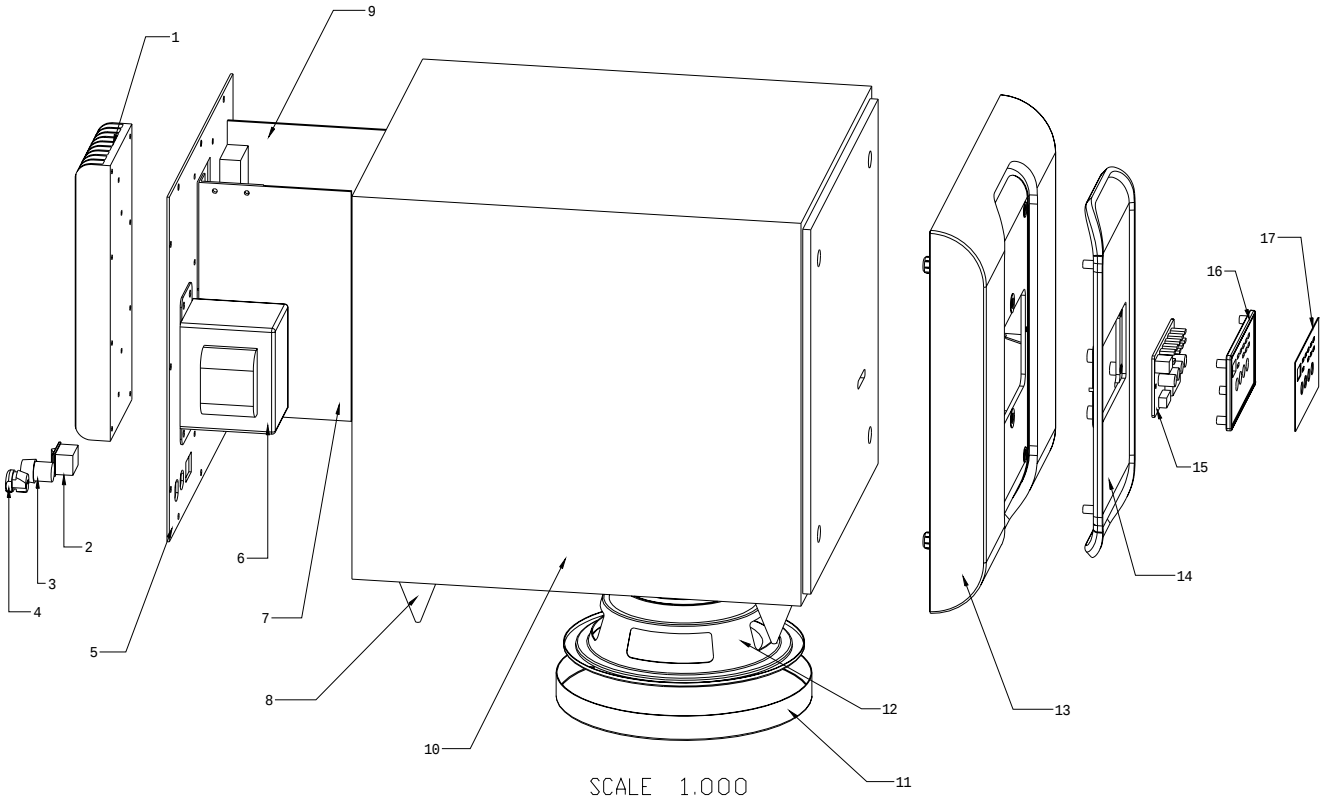
NO	Description	Unit	Specifications
1	Out Power at THD 10%	W	40 ± 3
2	Sensitivity	mV	220 ± 50
3	Freq Response (Ref:-3dB)	Hz	30~250K
4	S/N ration	dB	≧ 50
5	Hum & Noise Vol: max	mV	≦ 5

Chapter 3. Block Diagram

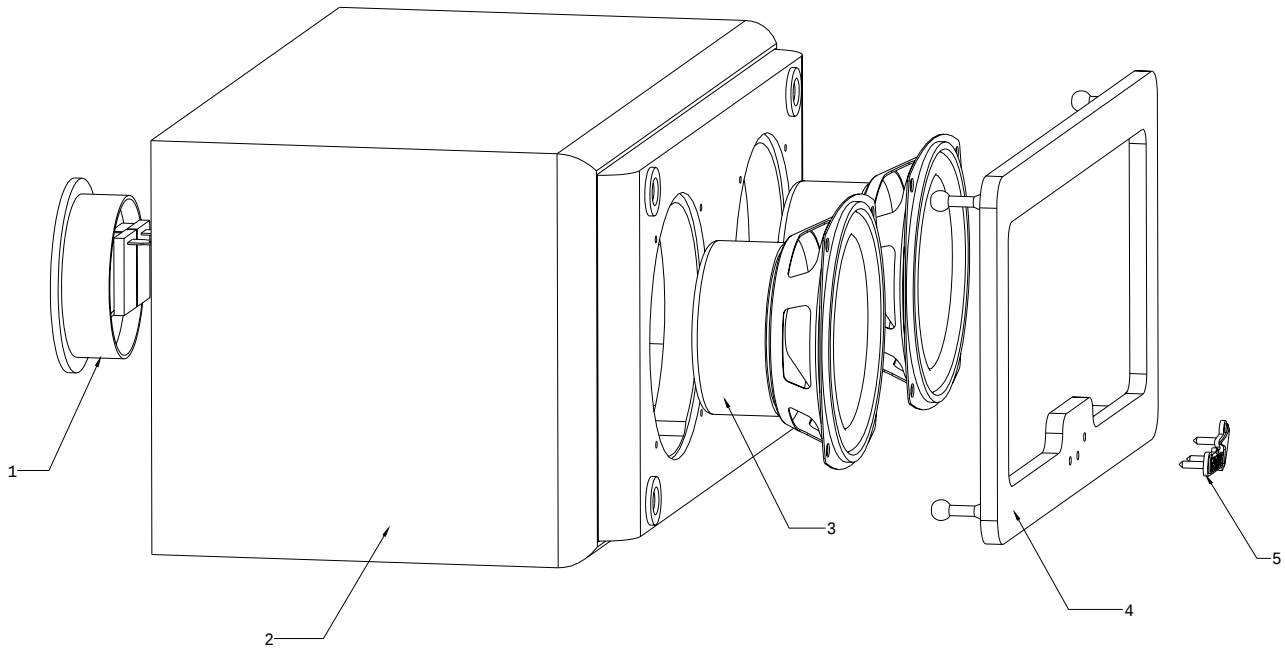


Chapter 4. Exploded View

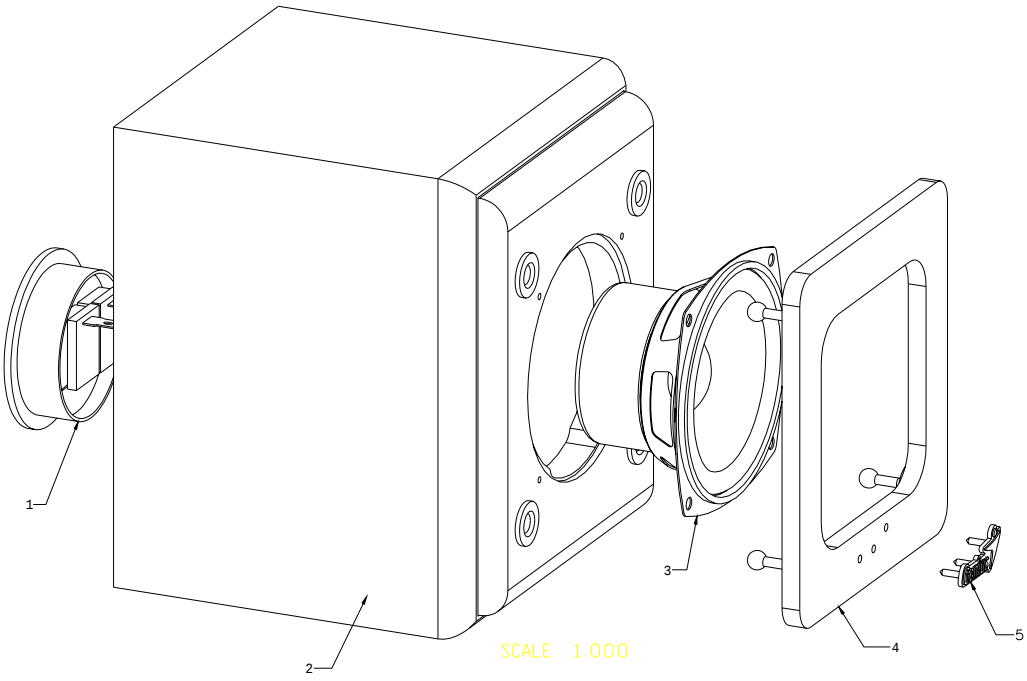
Host (Woofer)



Satellite (center)



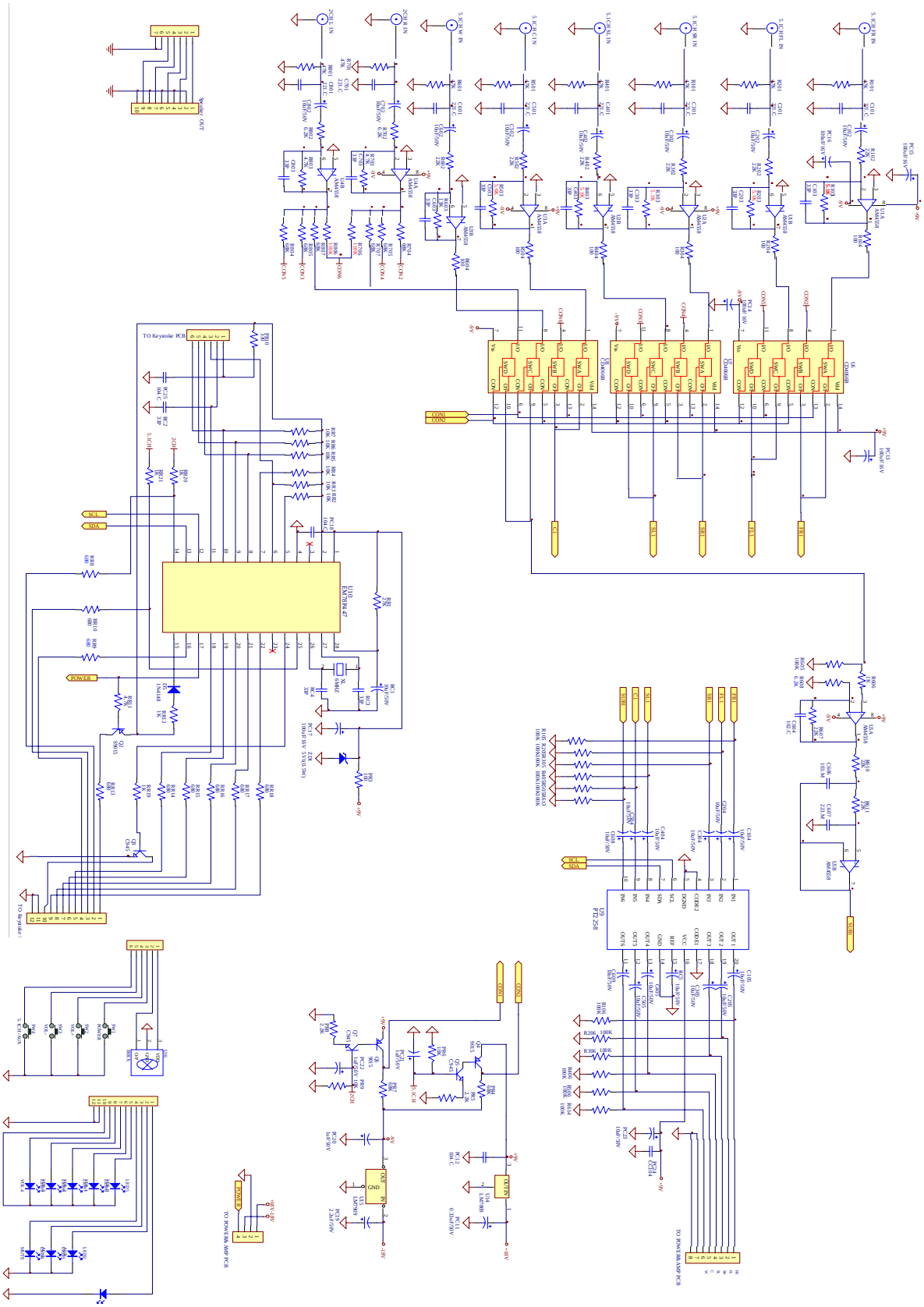
Satellite (front & rear)



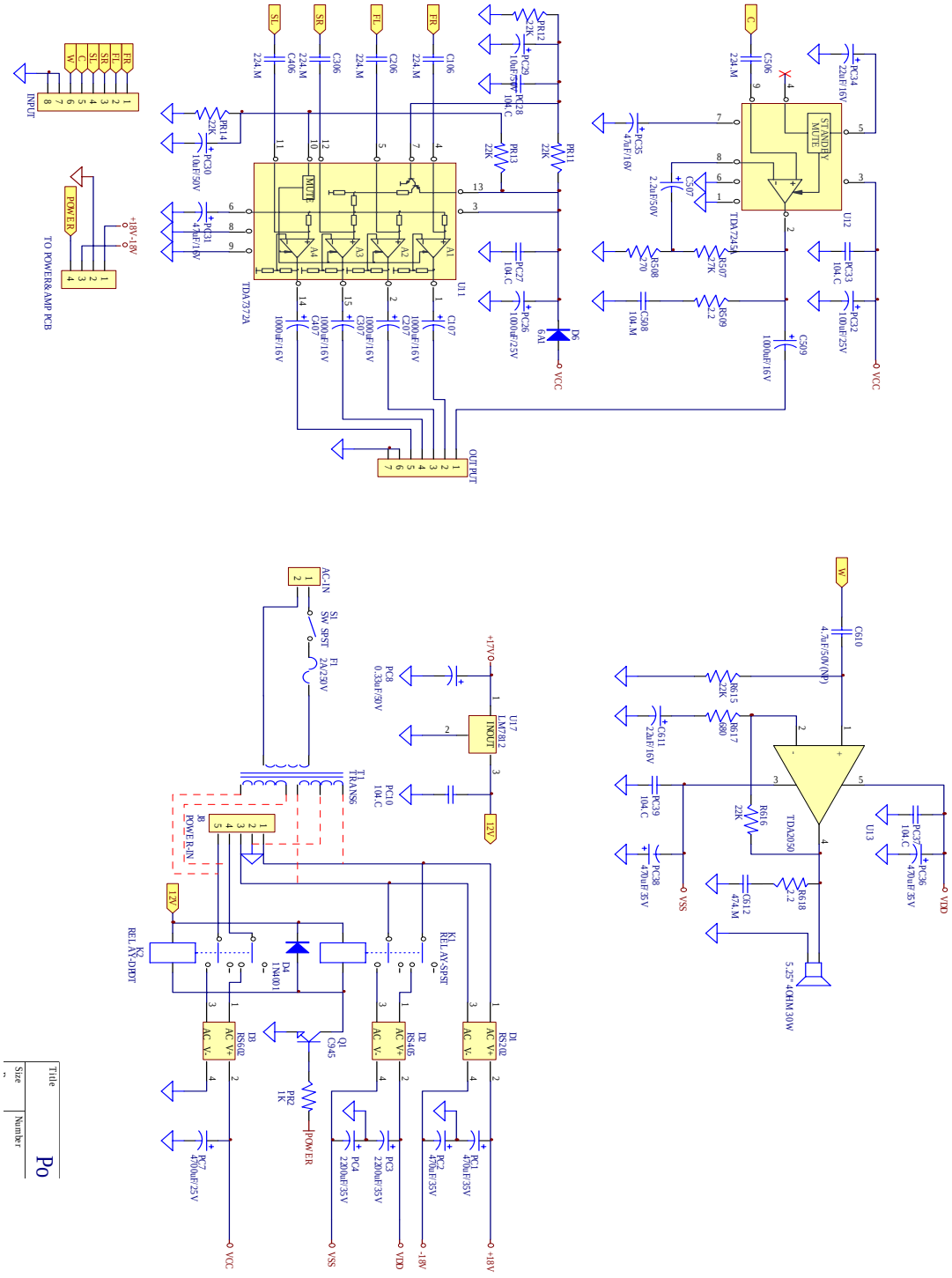
Chapter 5. Part List

NO	DESCRIPTION	Qty	UNIT	Part No
1	SW-HF5.1 3000/BODY/SATELLITE-FL	1	PC	
2	SW-HF5.1 3000/BODY/SATELLITE-FR	1	PC	
3	SW-HF5.1 3000/BODY/SATELLITE-RL	1	PC	
4	SW-HF5.1 3000/BODY/SATELLITE-RR	1	PC	
5	SW-HF5.1 3000/BODY/SATELLITE-CEN	1	PC	
6	SPEAKER UNIT A-309 4 OHM/3”	4	PC	
7	RUBBER, Ø10/SATE	20	PC	
8	SW-HF5.1 3000/BODY/WOOFER/230V-EU	1	PC	
9	SPEAKER UNIT5”25 4 OHM 30W	1	PC	
10	PCBA SW-HF5.1 3000	1	PC	
11	IC TDA2050	1	PC	
12	IC TDA7372B	3	PC	
13	IC TDA7245	1	PC	
14	IC TC4066	3	PC	
15	IC PT2258	1	PC	
16	SPEAKER UNIT A-309-18 OHM/3”	2	PC	
17	TRANSFORMER, 230V: 18VACx2&1.4A; 14VAC&3.5A	1	PC	
18	AUDIO CABLE, 2RCA to 2RCA, SW-HF5.1 3000	3	PC	
19	AUDIO CABLE, 1ST to 2RCA, SW-HF5.1 3000	3	PC	
20	CARTON, SW-HF5.1 3000	2	PC	
21	CUSHION, SW-HF5.1 3000	1	SET	
22	Round Red type Label (NO CARTON)	1	PC	
23	S/N LABEL (NO CARTON&WOOFEWR)	2	PC	
24	MANUAL SW-HK5.1 3000	1	PC	
25	PE BAG, SW-HF5.1 3000	1	PC	
26	PE BAG, SW-HF5.1 3000/SATE	1	PC	
27	PE BAG, POWER CORD, SW-HF5.1 3000	1	PC	
28	PE BAG, AUDIO CABLE	1	PC	
29	CARDBOARD, ENGLISH, SW-HF5.1 3000	1	PC	

Chapter 6. Schematic Diagram



Chapter 6. Schematic Diagram



Chapter 7. Important Notes

7.1 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 PCB assembly by post, in that it would avoid unnecessarily lost or damage.

7.2 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 form one speaker system, so that you may have the as many speaker systems.