

# SERVICE GUIDE

KYESYSTEMS CORP.



## Revision History

[illegible]

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## 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 .

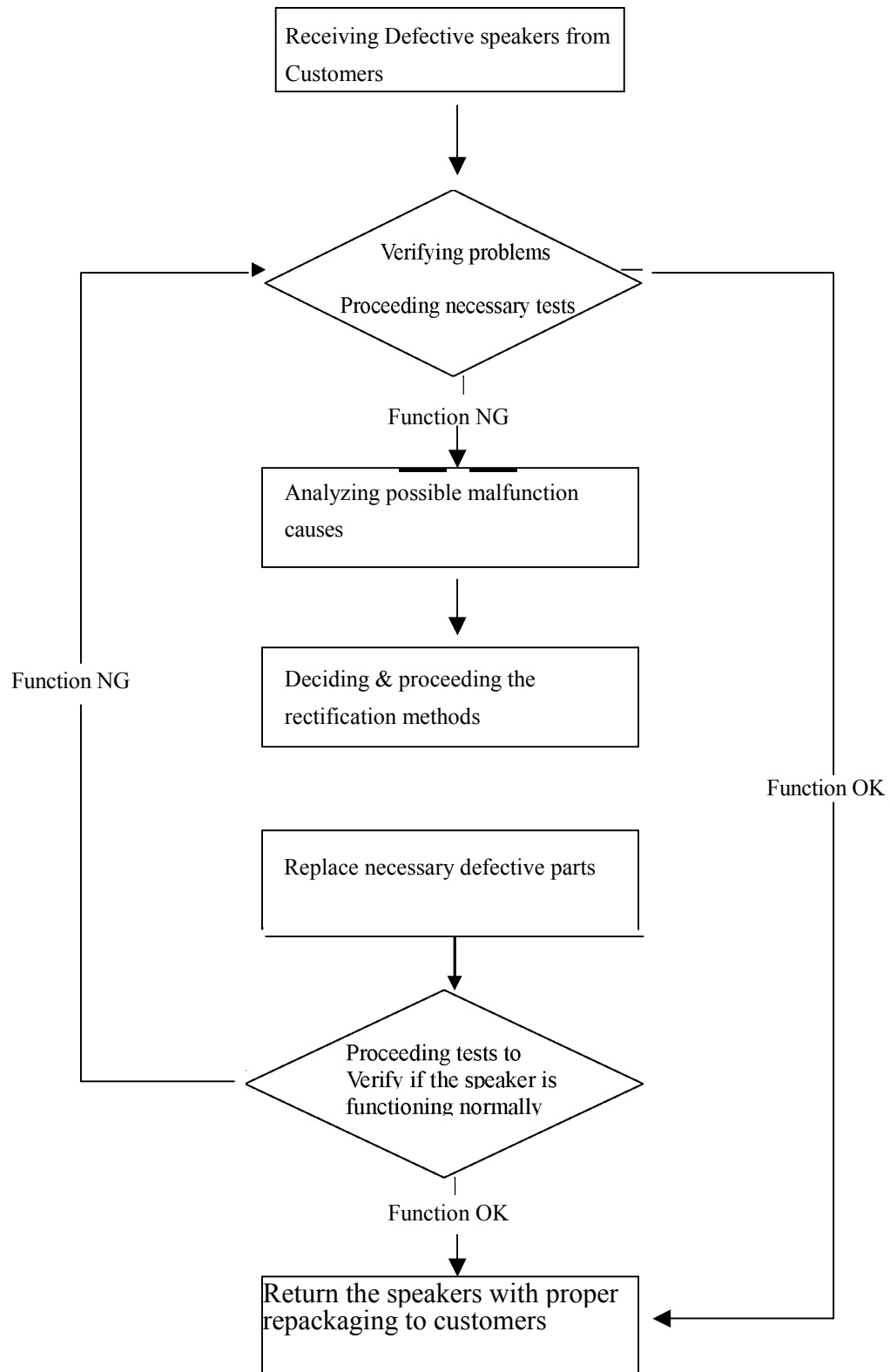
Disconnect the AC power cord from the AC outlet before performing any maintenance on the speakers .

Do not perform any maintenance with wet hand .

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

## Chapter 1. How to Handle Defective Returns

### Overview



Problems

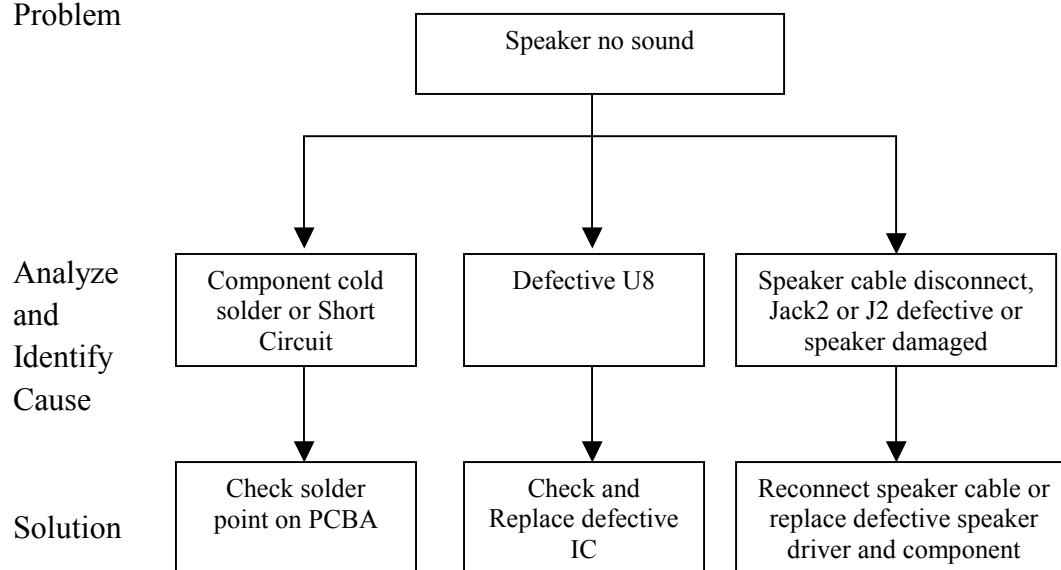
Item	Problem Description
1.1	Speaker no sound
1.2	Power LED no light
1.3	Headphone no sound
1.4	Bass/Treble/Volume no function

## Attention

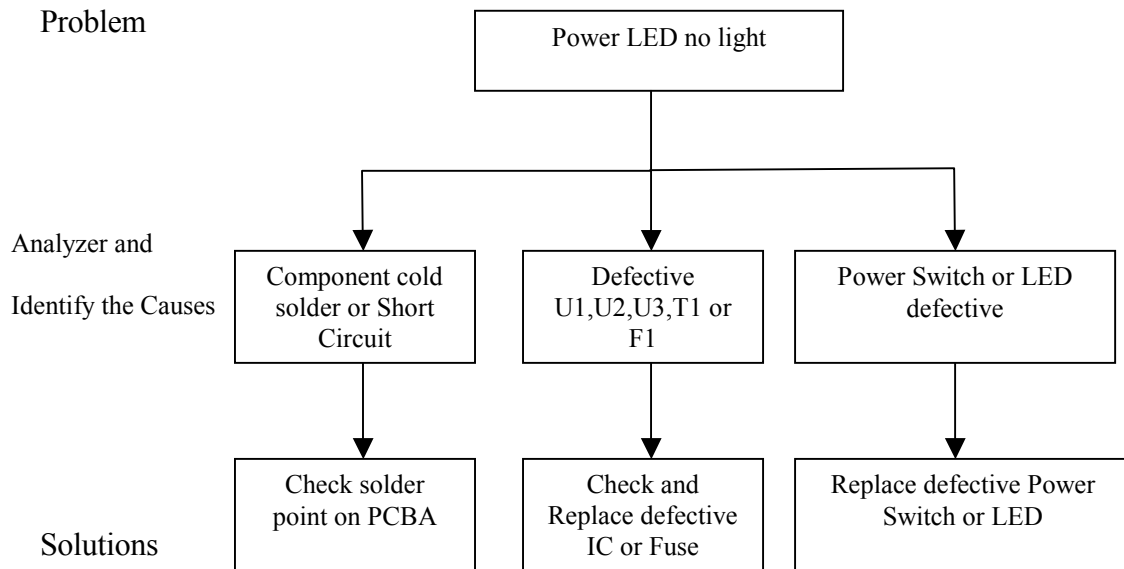
Please follow the numbered sequence marked within parenthesis given in individual Flow chat, in that this is the best-recommended sequence to rectify the problems.

### 1.1 One or more channels no sound (Line in/Audio in jack no function)

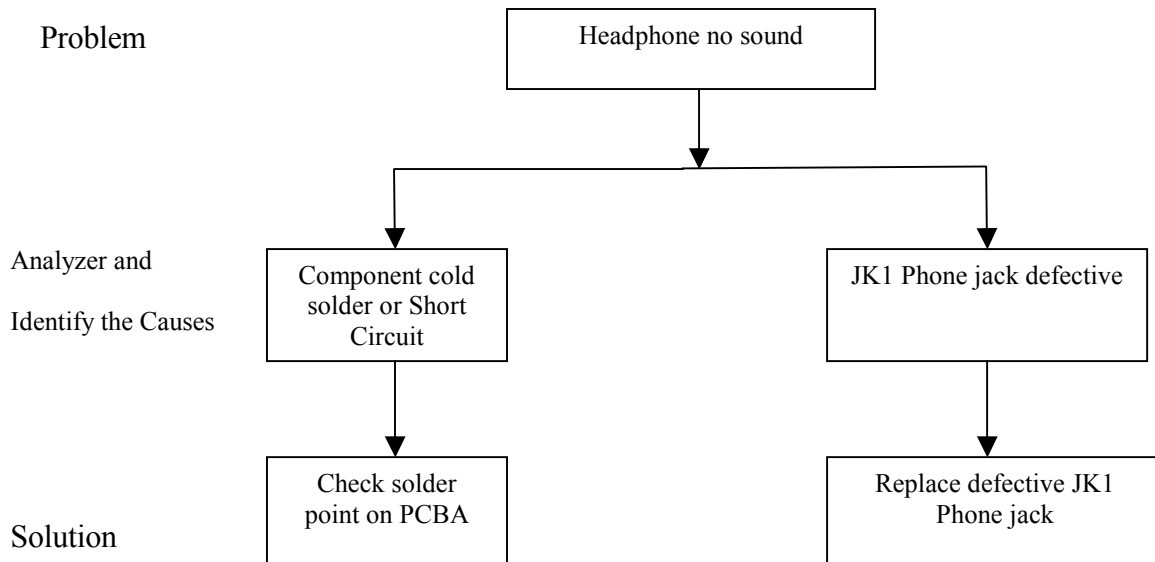
#### Problem



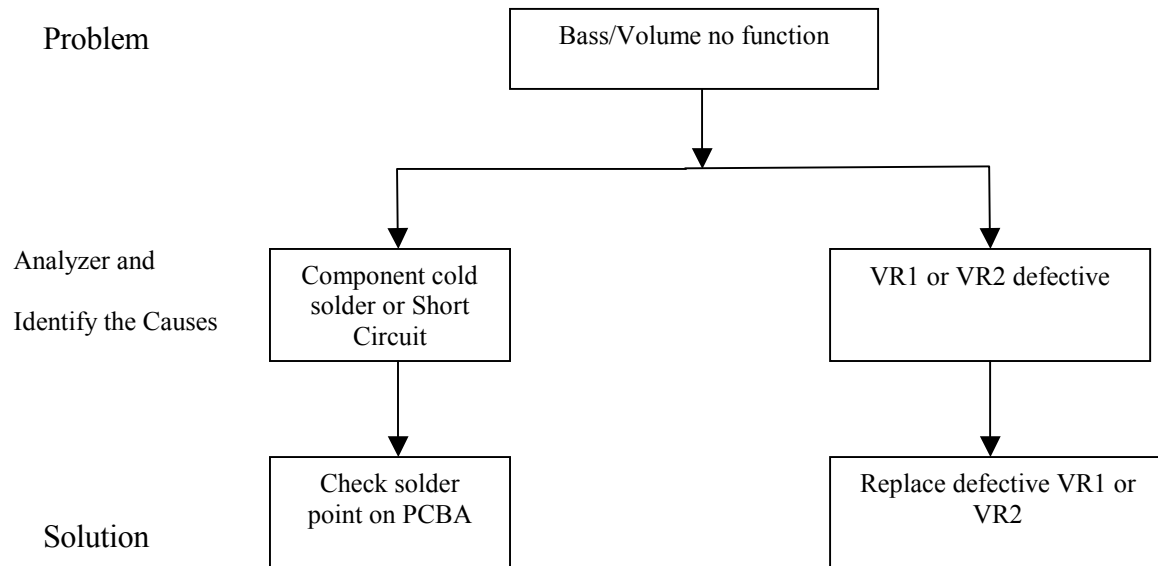
## 1.2 Power LED no light



## 1.3 Headphone no sound



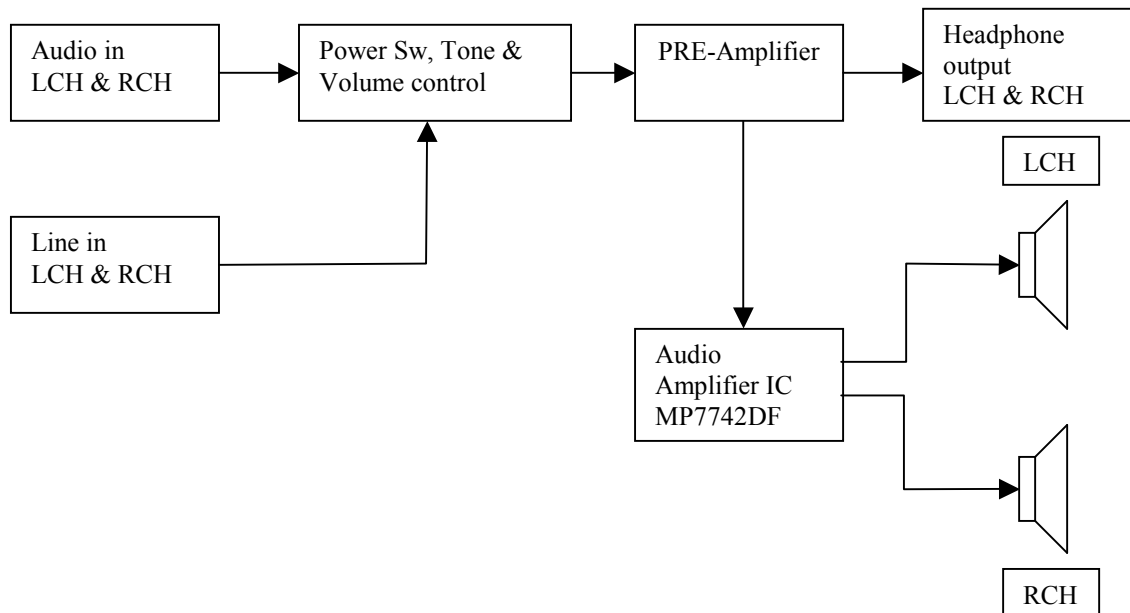
## 1.4 Bass/Treble/Volume no function



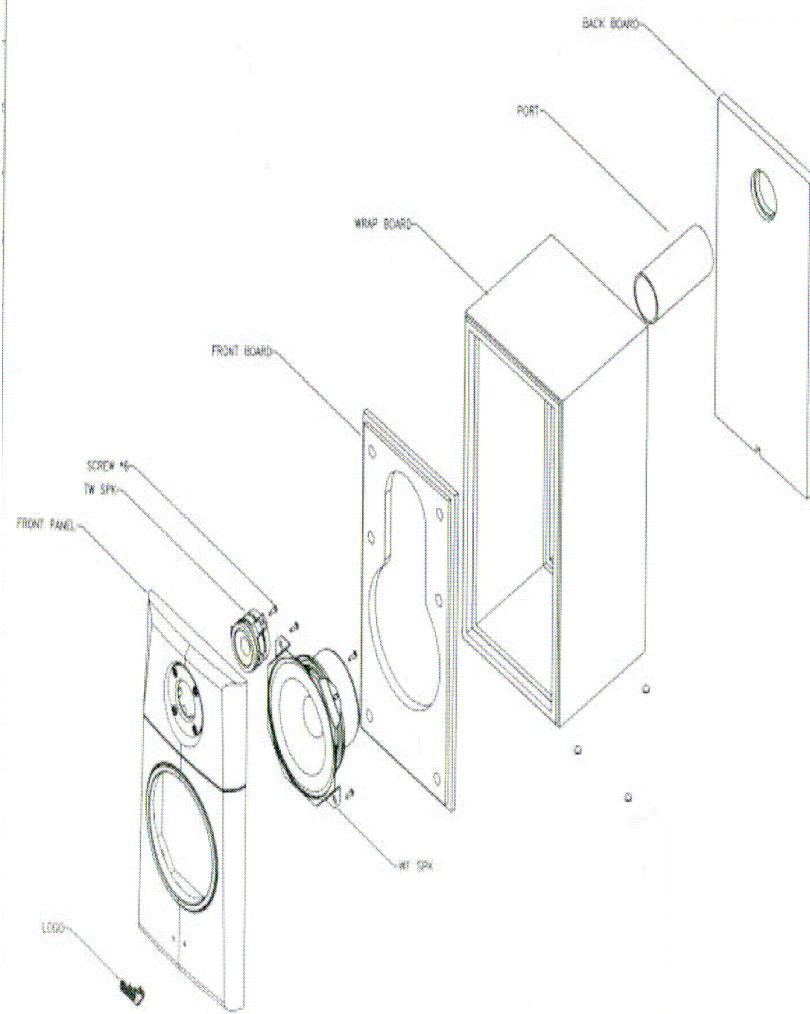
## Chapter 2. Specifications

NO.	Description	Unit	Specifications
1	Out Power at THD 10%	W	$\geq 15$
2	Sensitivity	mV	$600 \pm 50$
3	Freq. Response (1KHz -3dB)	Hz	$65 \sim 20K \pm 10\%$
4	Separation	dB	$\geq 40$
5	S/N ratio	dB	$\geq 70$
6	Hum & Noise (Vol.: max)	mV	$\leq 2$

## Chapter 3 Block Diagram





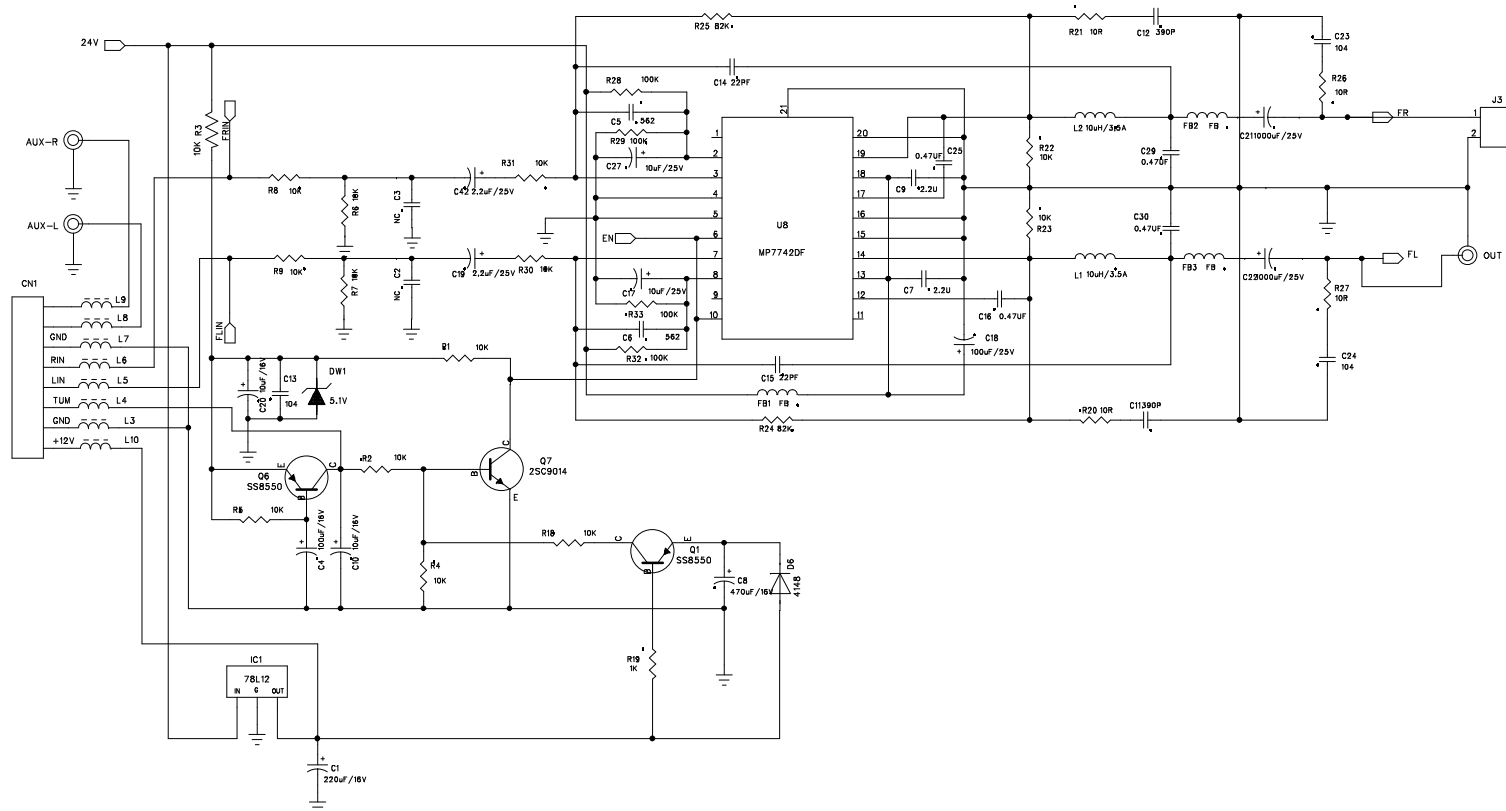


## Chapter 5. Part List

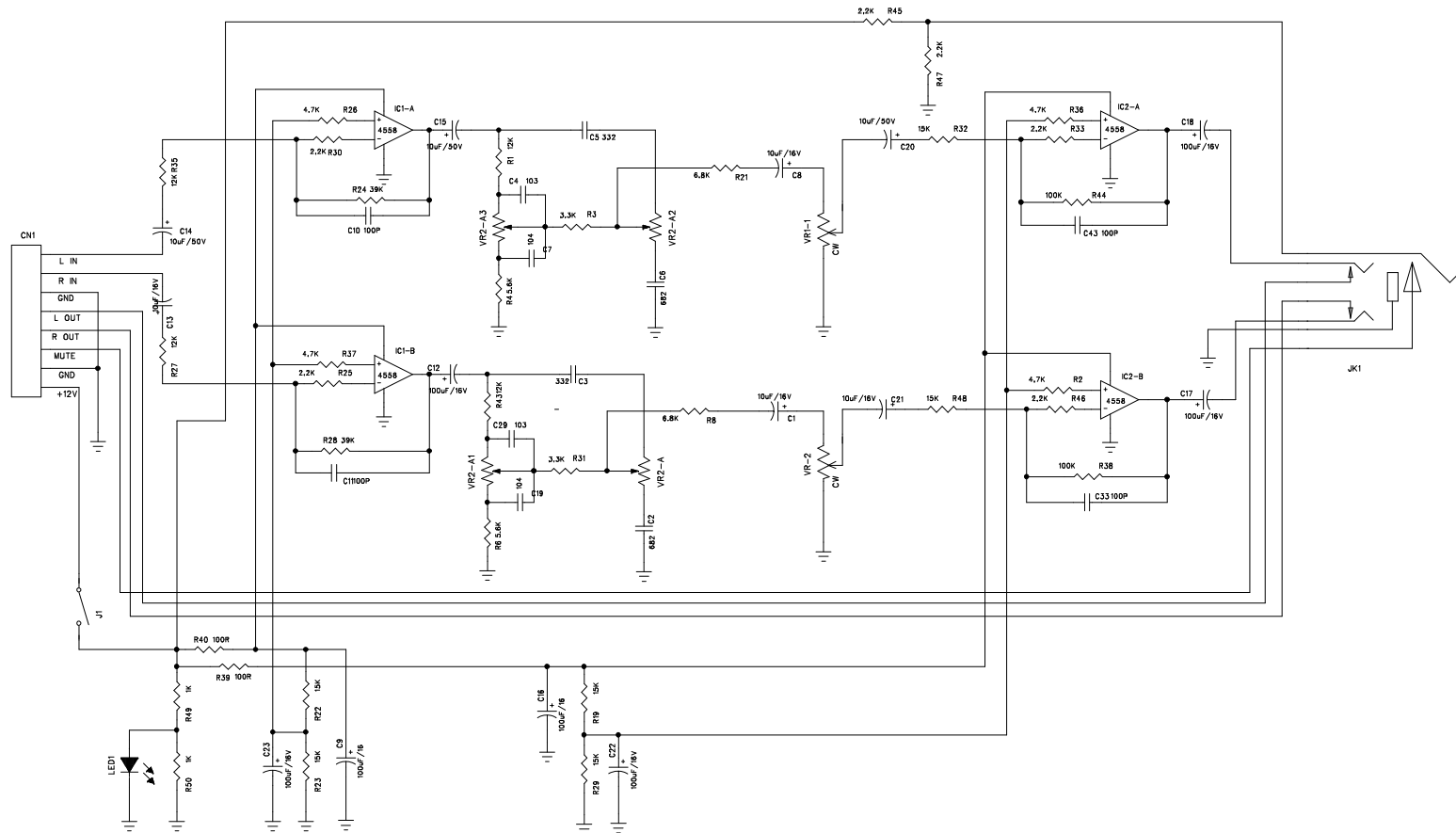
No	DESCRIPTION	Qty	UNIT	Part No.
1	7 8 L 1 2 IC	1	IC1	
2	MP7745DF IC	1	U1	
3	BPC817 IC	1	U3	
4	YJ-KB 2 8 0 6 A Transformer	1	T1	
5	GBP206 Rectifier	1	D1	
6	F S D M 0 4 6 5 R T IC	1	U1	
7	TL431 IC	1	U2	
8	MUR620CT	2	D4	
9	POWER CORD 2P	1		VPE003012-0020
10	SPK UNIT	1		FSI541508-1600
11	SPK UNIT	1		FSA521540-4400
12	RCA CABLE	1		VRC220001-0010

## Chapter 6. Schematic Diagram

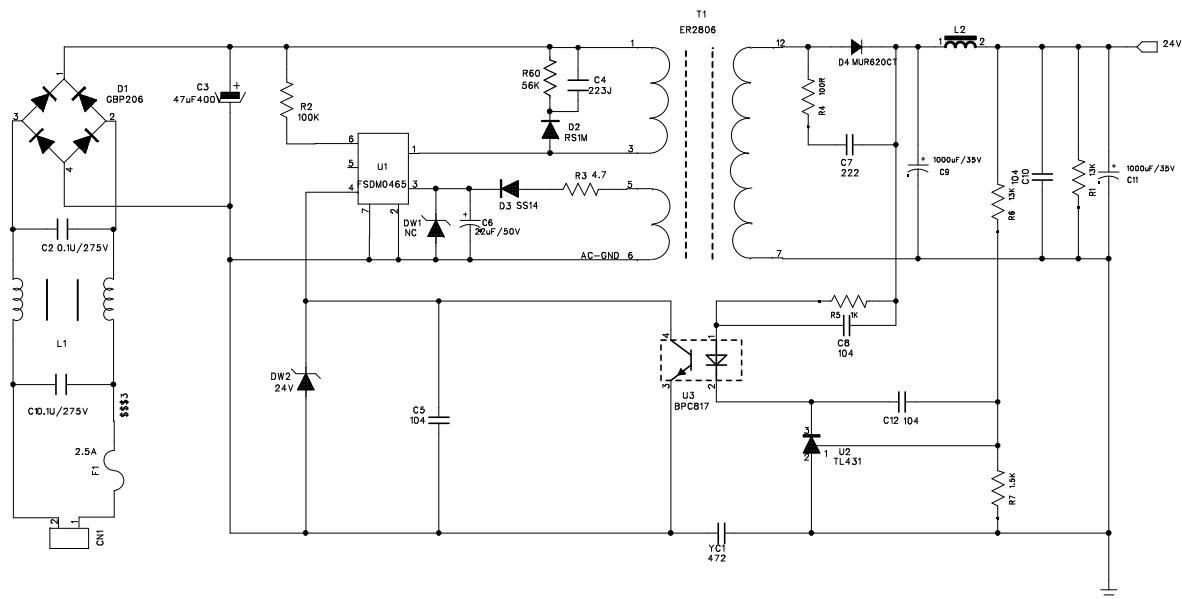
Pls refer to Next Pages:



MODEL: KYE SP-HF1201A AMP PCB		
DWN BY :	DATE: 2010.03.08	
CHECK BY :	DATE:	TITLE
APPD. BY :	DATE:	UNIT :
SHEET 1 OF1	REV.: 3.0	SCALE :



MODEL: KYE SP-HF1201A EQ		
DWN BY :	DATE: 2010.03.08	
CHECK BY :	DATE:	TITLE
APPD. BY :	DATE:	UNIT :
SHEET 1 OF 1	REV.: 3.0	SCALE :



MODEL: <b>KYE SP-HF1201A SMPS</b>		
DWN BY :	DATE: 2010.03.08	
CHECK BY :	DATE:	TITLE
APPD. BY :	DATE:	UNIT :
SHEET 1 OF 1	REV.: 3.0	SCALE :

## 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 from one speaker system, so that you may have the as many speaker systems.