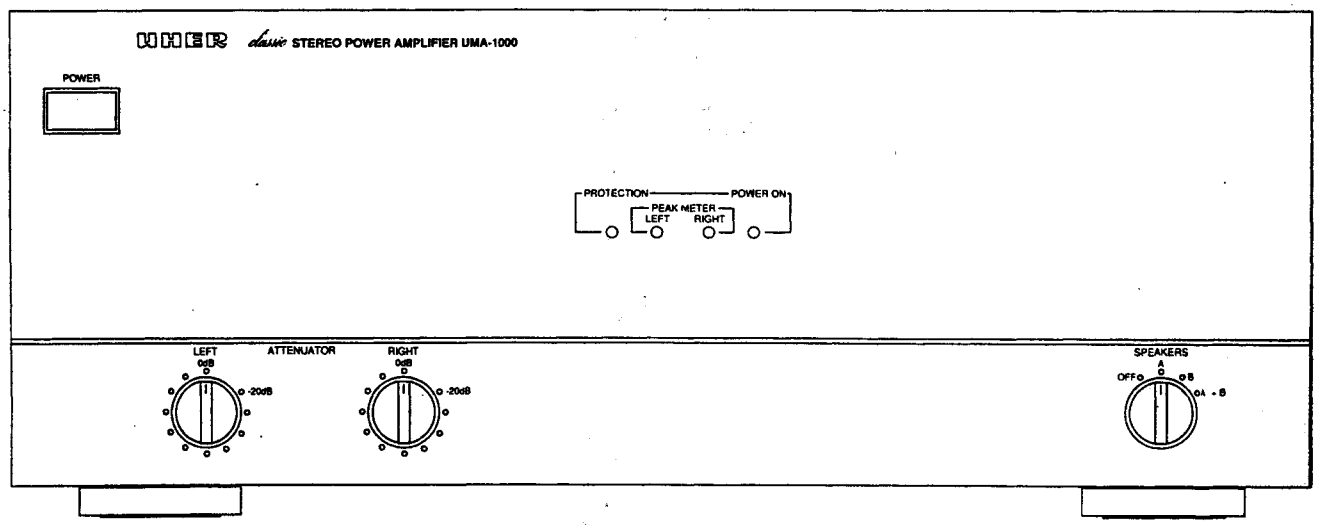
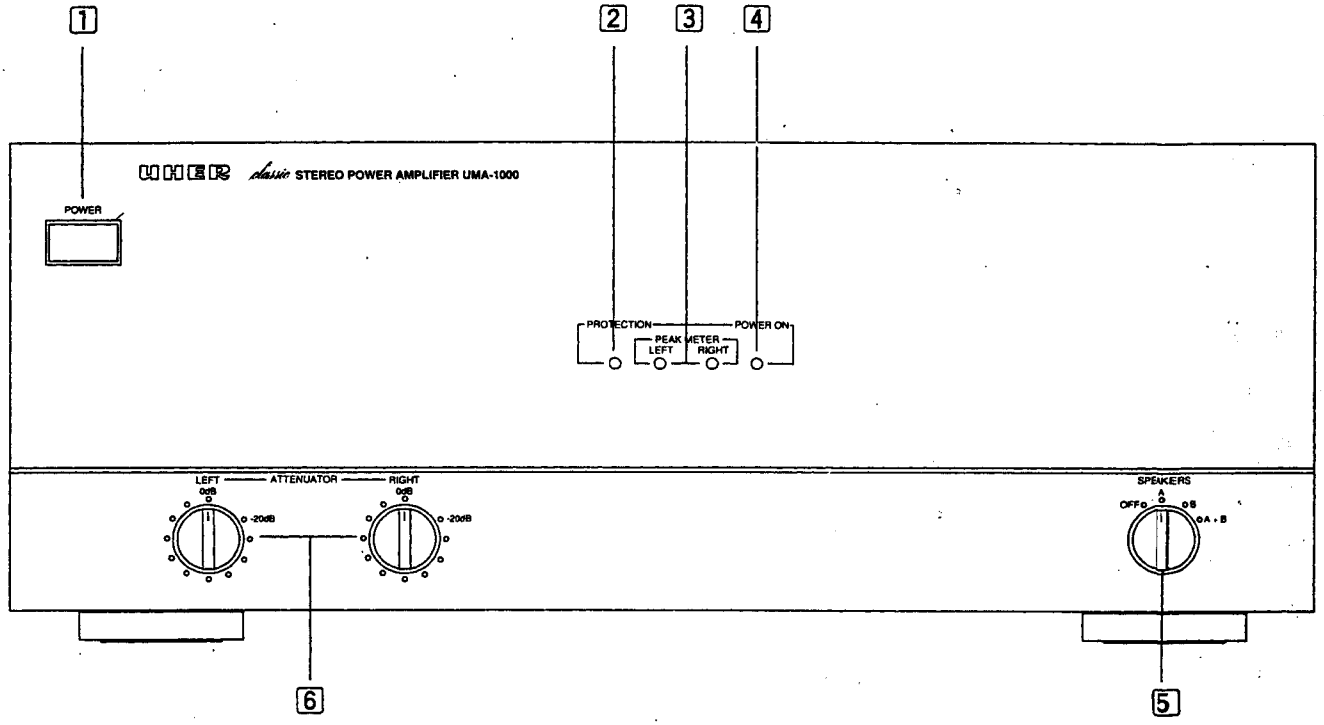
SERVICE MANUAL

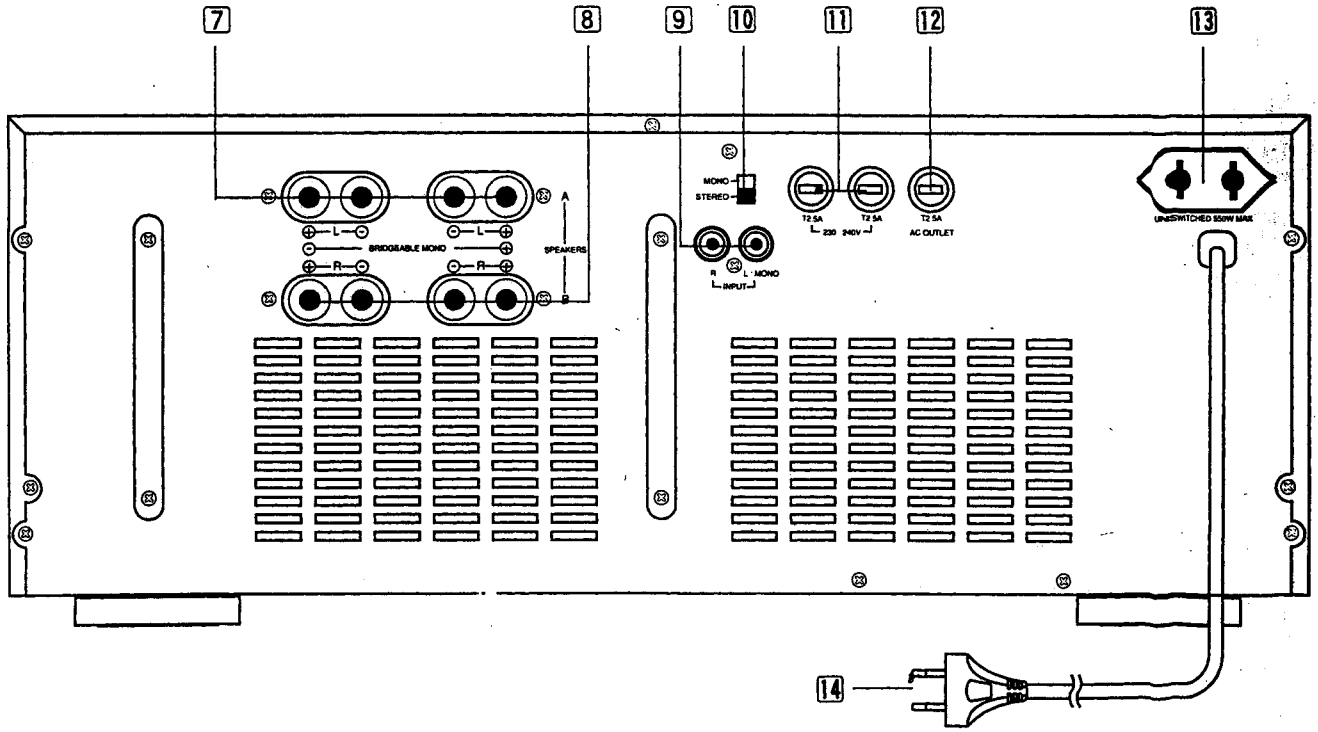
UMA-1000

STEREO MAIN AMPLIFIER



PANEL FEATURES





Designation and function **INSCRIPTION**

1. Mains key **POWER**

With this key yon switch the final amplifier on or off, respectively

2. Display "Protective Circuit On" **PROTECTION**

When this message is illuminated the unit is either not yet ready for operation or there is a malfunction.

3. Peak Value Display **PEAK METER**

This display is lit when the respective channel's output has reached its full (peak) power.

4. Mains indication **POWET ON**

This display is shown when the unit is switched on.

5. Turning Knob for Speaker Selection **SPEAKERS**

With this knob you select the desired pair of speakers.

6. Attenuator **ATTENUATOR**

With these controls you can decrease the input sensitivity of the respective channel by upto 20 dB.

7. Speaker Screw Terminals A **SPEAKERS A**

You connect your main pair of speaker boxes to these clamped connection outlet.

8. Speaker Screw Terminals B **SPEAKERS B**

To these clamped connection outlet you can cunnect an additional pair of speaker boxes.

9. Input Sockets **INPUT R/ L**

Connect these sockets to the outputs of your pre—amp lifier or equalizer (if you want to loop this in betwe- en pre—amplifier and final amplifier).

10. Selector Switch Bridging Function **MONO/STEREO**

If you want to use for your unit as a mono output transformer you set this switch to the position MONO.

11. Fuse Bracket **230...240V**

If the unit does not function at all (that is when also the display 4 does not light), you check the fuses in these brackets.

12. Fuse Bracket for Socket 13 **AC OUTLET FUSE**

In case a unit connected to the outlet 13 does not function check the fuses in this bracket.

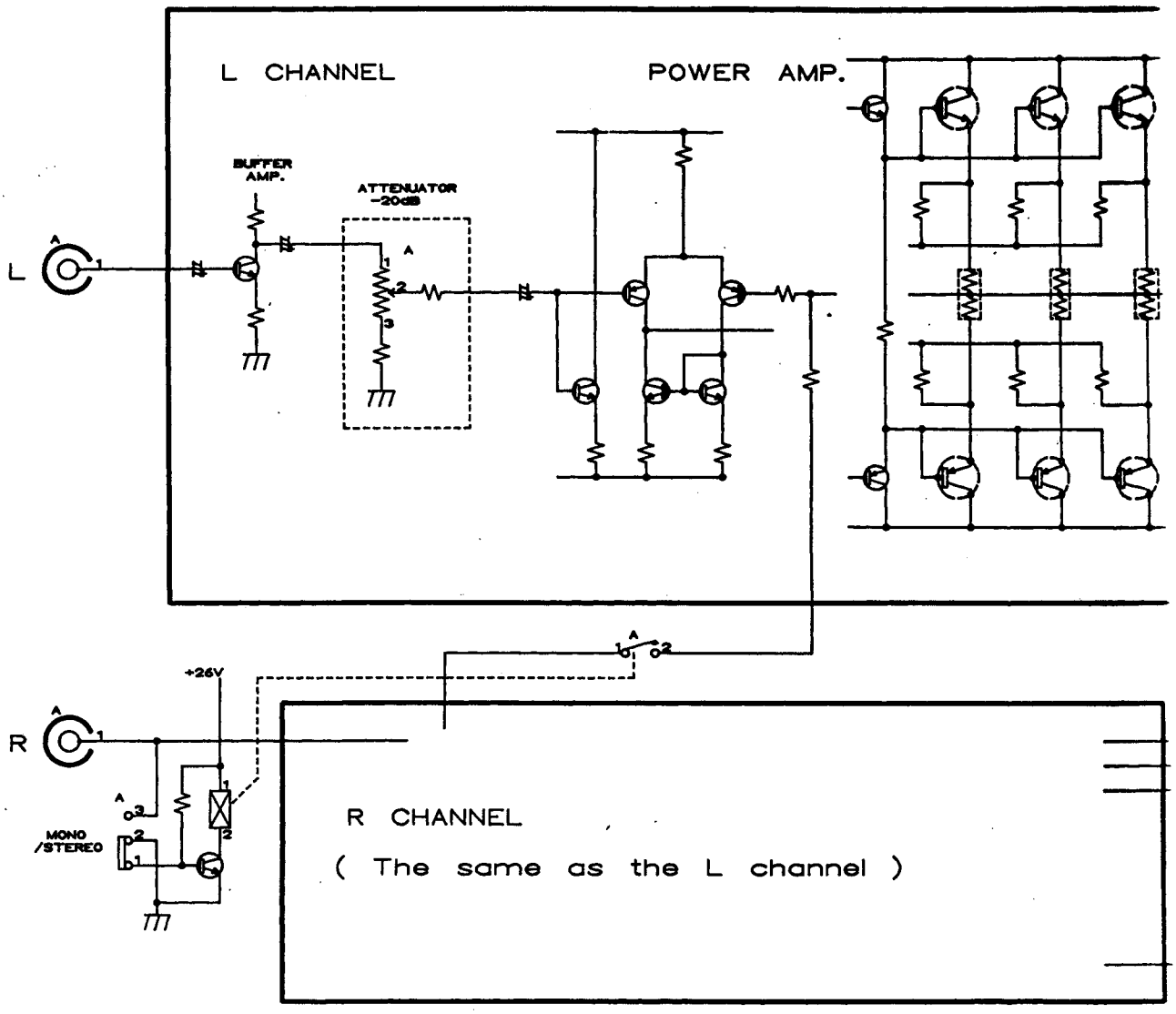
13. Socket for an Additional Device **UNSWITCHED 550W MAX**

To this socket you can connect another HiFi device wi th a power consumption of a maximum of 550 watts.

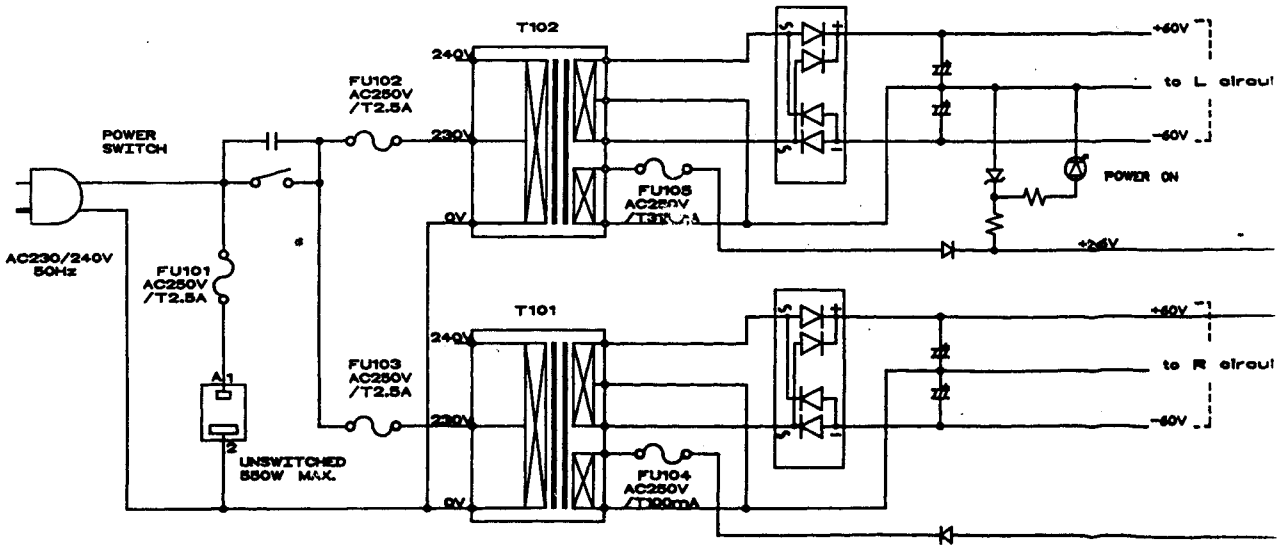
14. Mains Cable

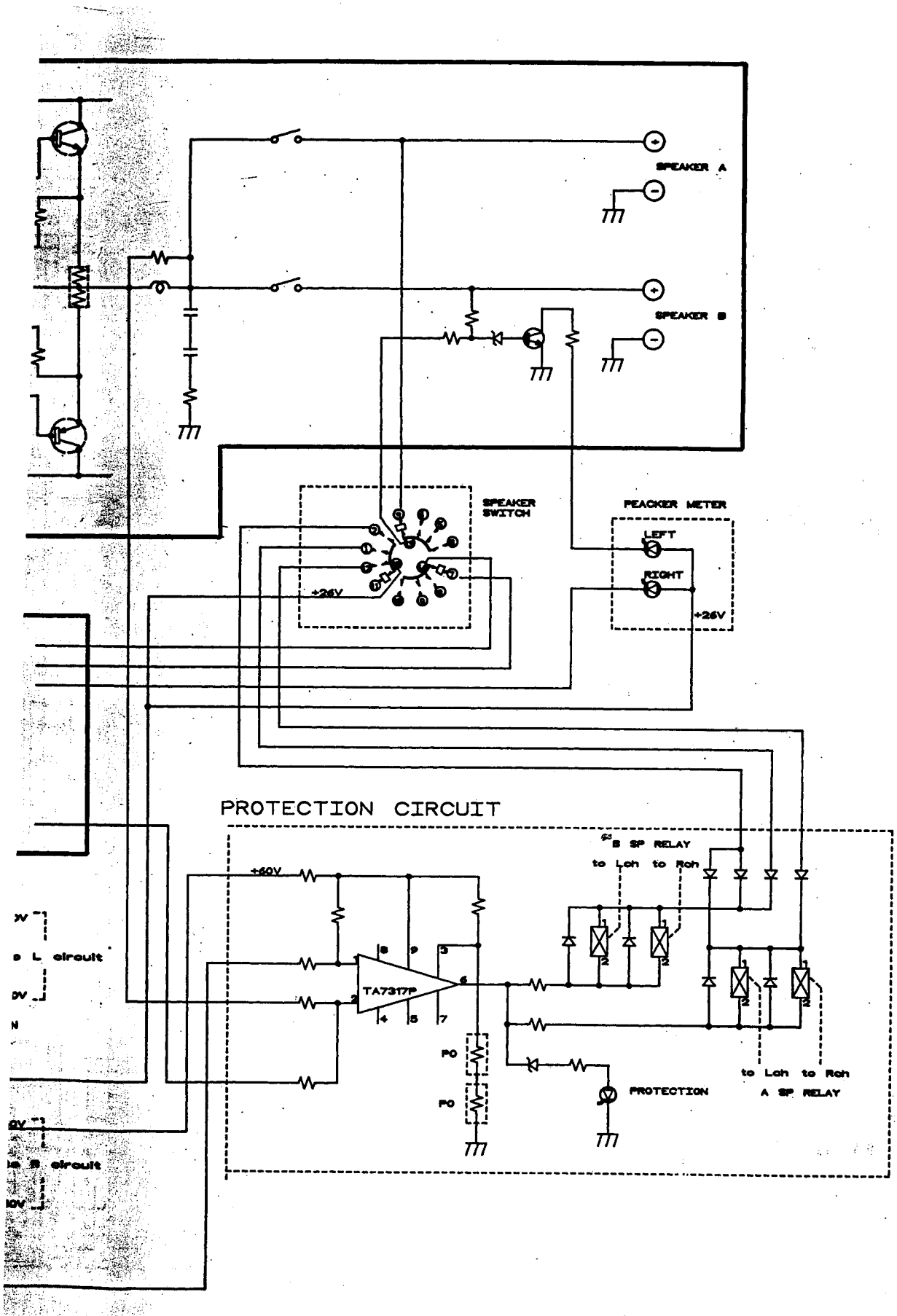
The plug of this cable must be plugged into a mains socket of 230V/50Hz.

BLOCK DIAGRAM

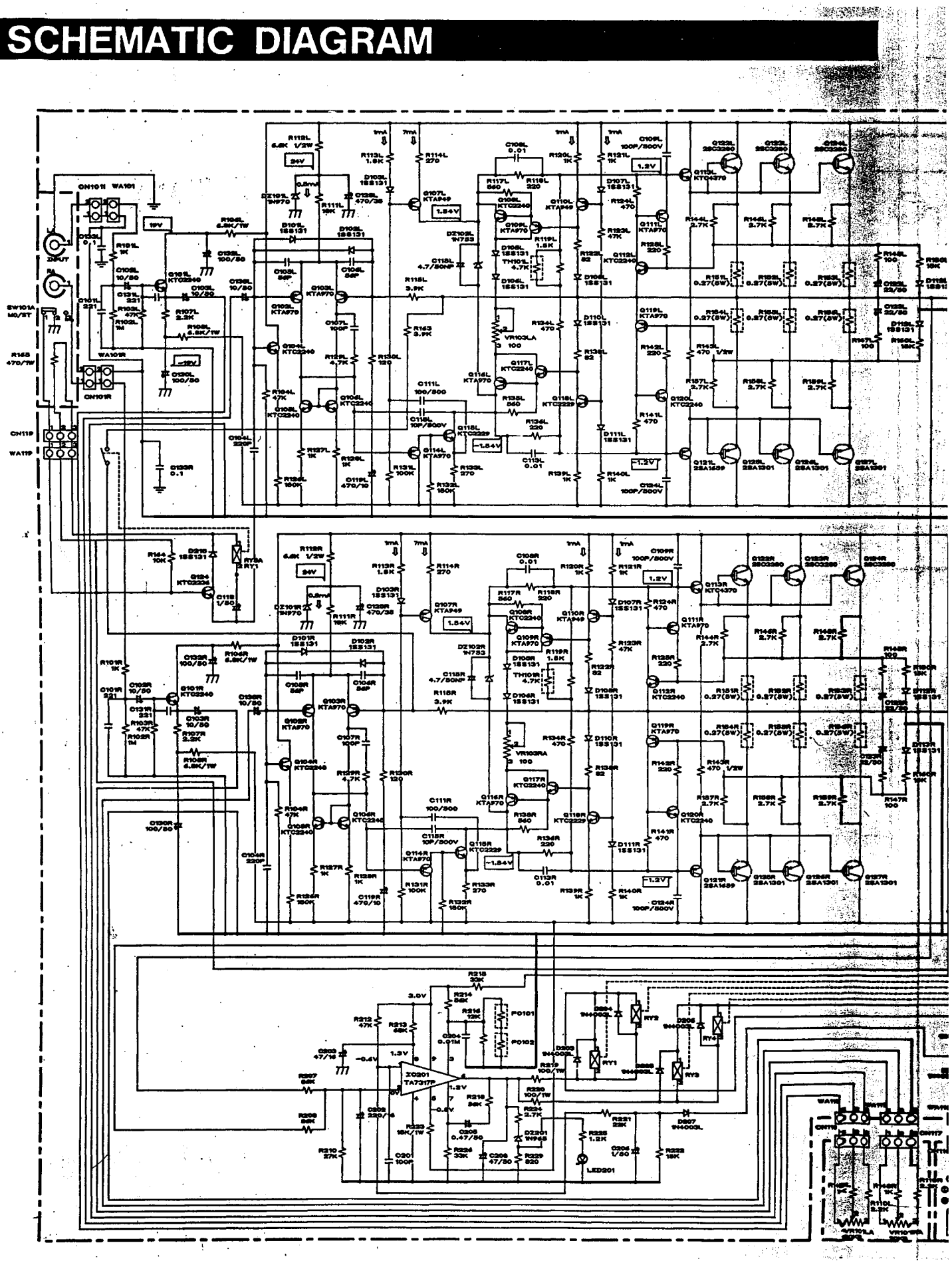


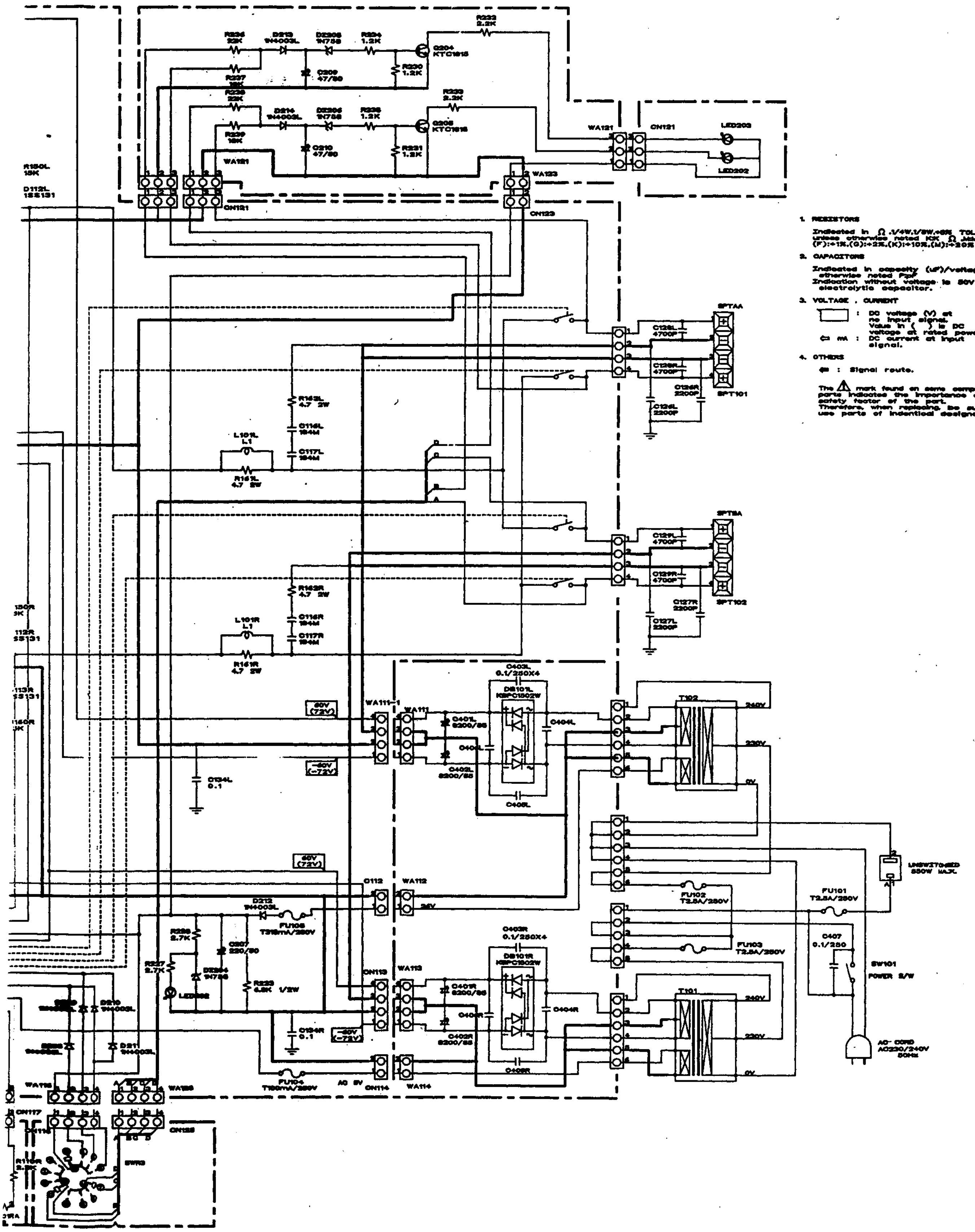
POWER SUPPLY CIRCUIT




SPEAKER A
SPEAKER B
SPEAKER SWITCH
PEACKER METER
LEFT
RIGHT
+26V
+26V
PROTECTION CIRCUIT
+60V
TA7317P
PO
PO
PROTECTION
to Loh to Roh
A SP RELAY
B SP RELAY
to Loh to Roh

SCHEMATIC DIAGRAM





1. RESISTORS

Indicated in Ω.1/4W,1/8W,±5% TOLERANCE unless otherwise noted K:K Ω,M:M Ω. (F):±1%,(G):±2%,(K):±10%,(M):±20% tolerance.

2. CAPACITORS

Indicated in capacity (uF)/voltage(V) unless otherwise noted P:pF
Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE . CURRENT

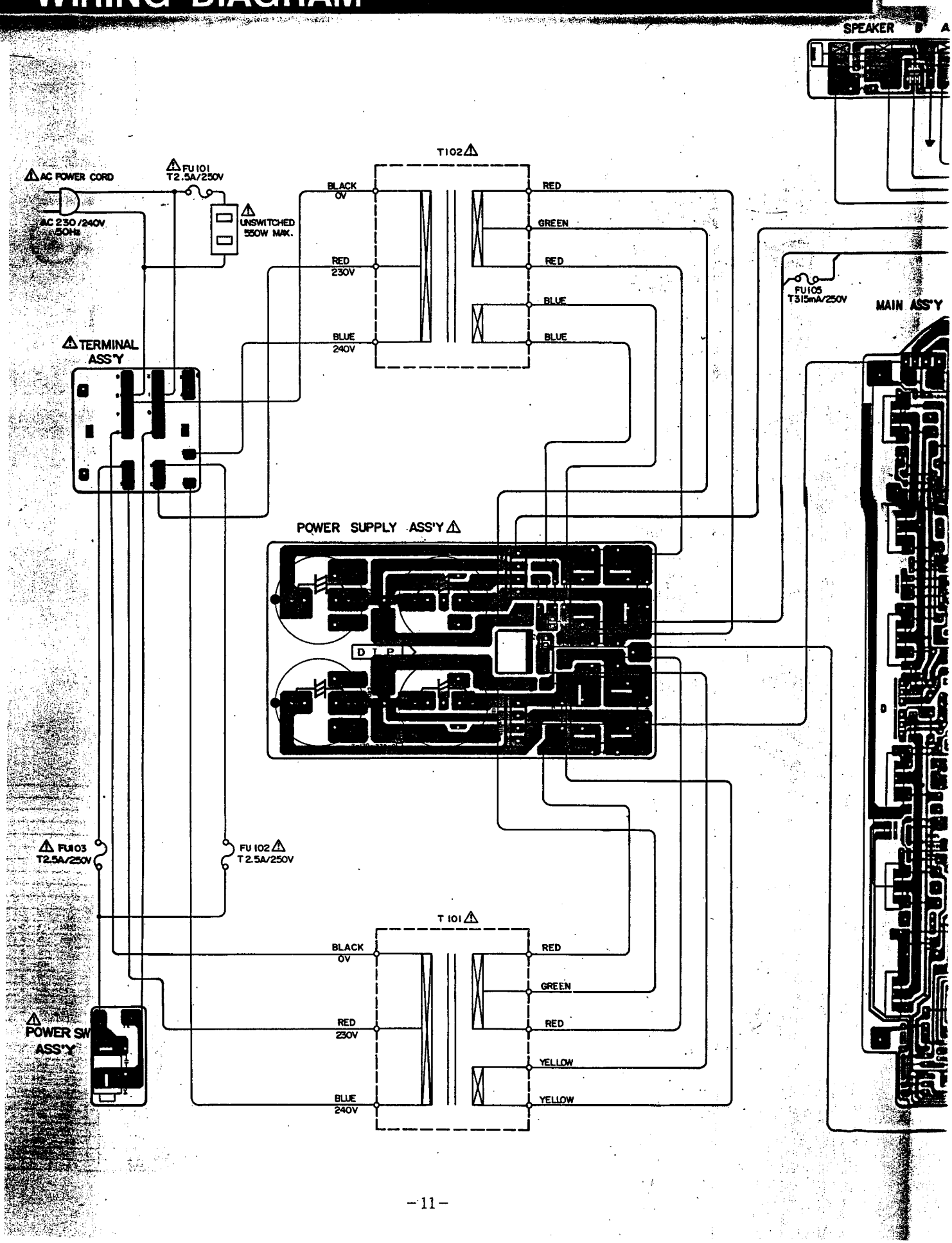
☐ : DC voltage (V) at no input signal. Value in ( ) is DC voltage at rated power.
⇦ mA : DC current at input signal.

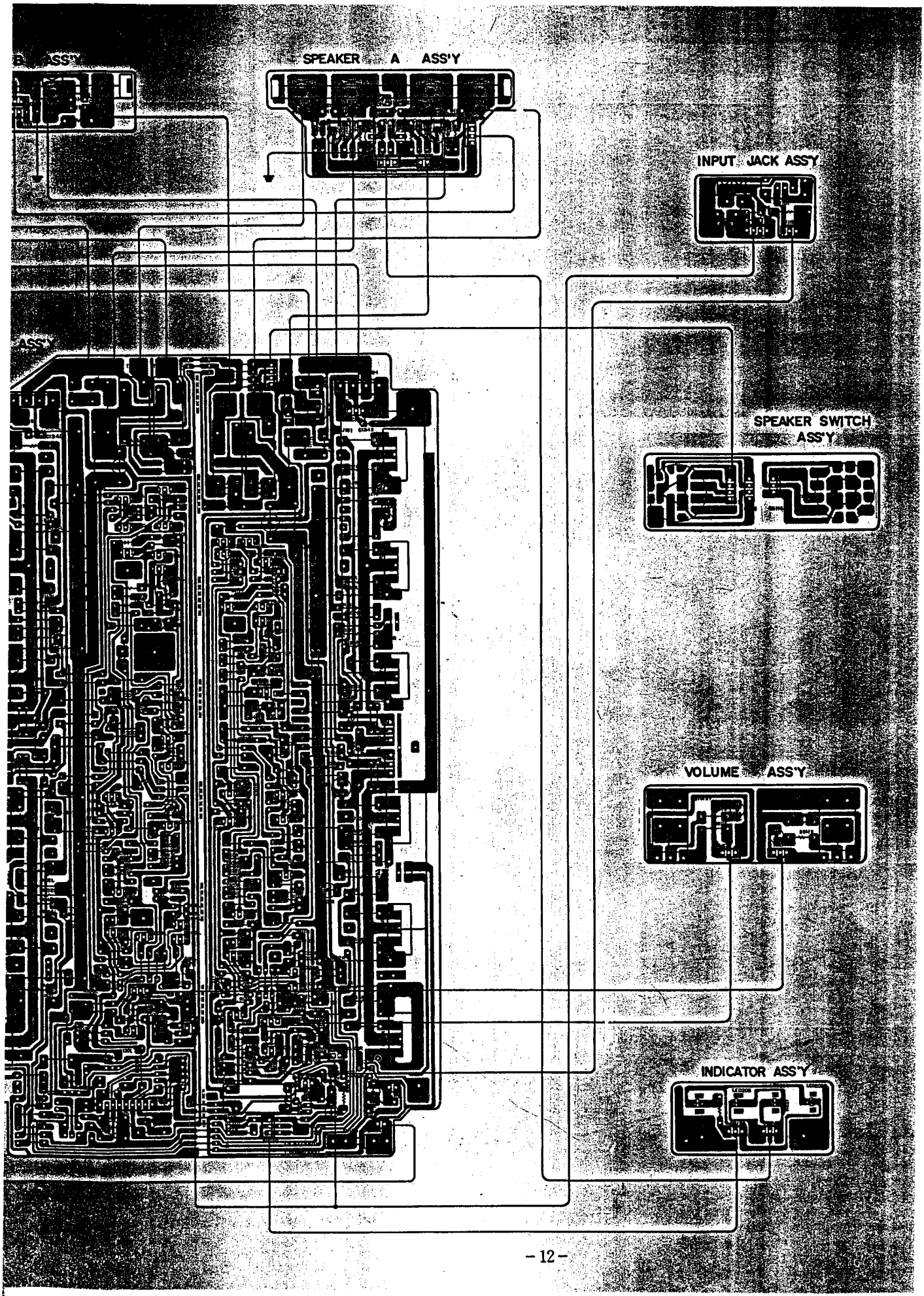
4. OTHERS

⇦ : Signal route.

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of indentical designation.

WIRING DIAGRAM




SPEAKER A ASS'Y
INPUT JACK ASS'Y
SPEAKER SWITCH ASS'Y
VOLUME ASS'Y
INDICATOR ASS'Y