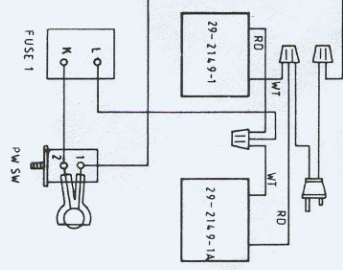
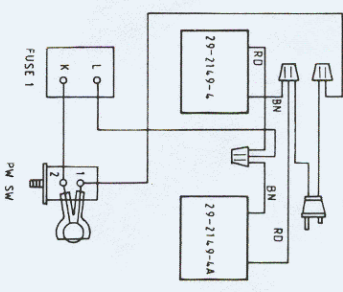


# WIRING DIAGRAM

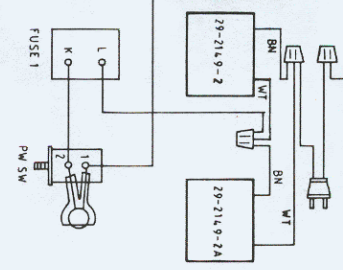
FOR : C1



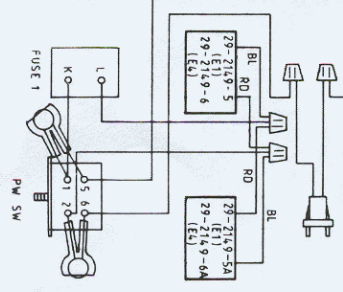
FOR : C2



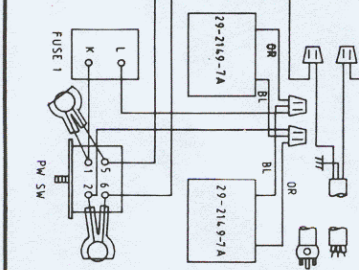
FOR : LC



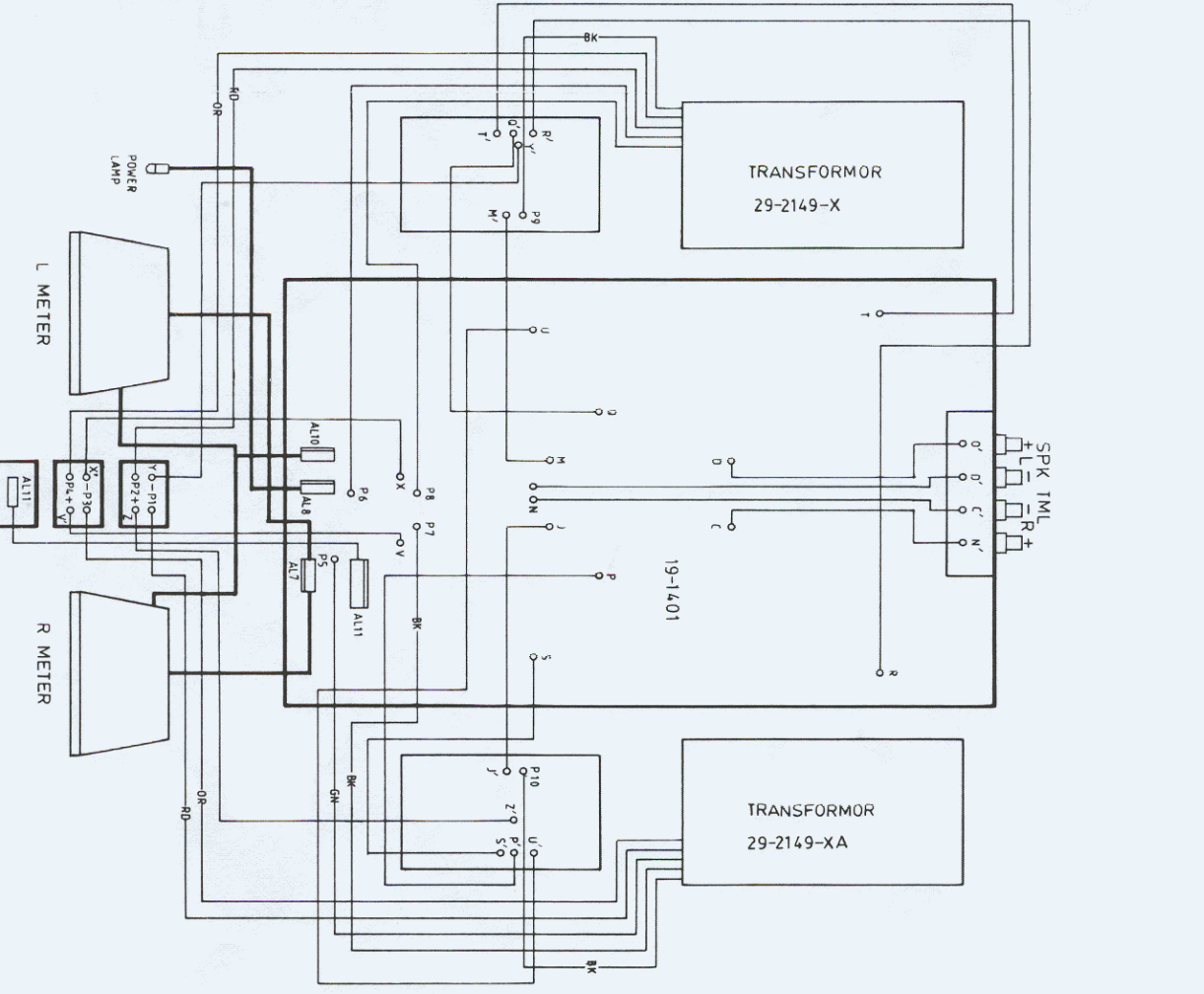
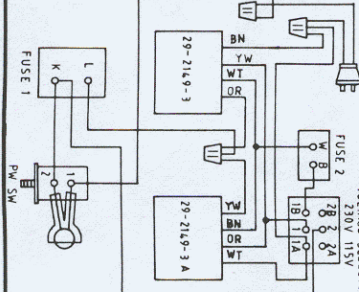
FOR : E1/E4



FOR : E2/E3

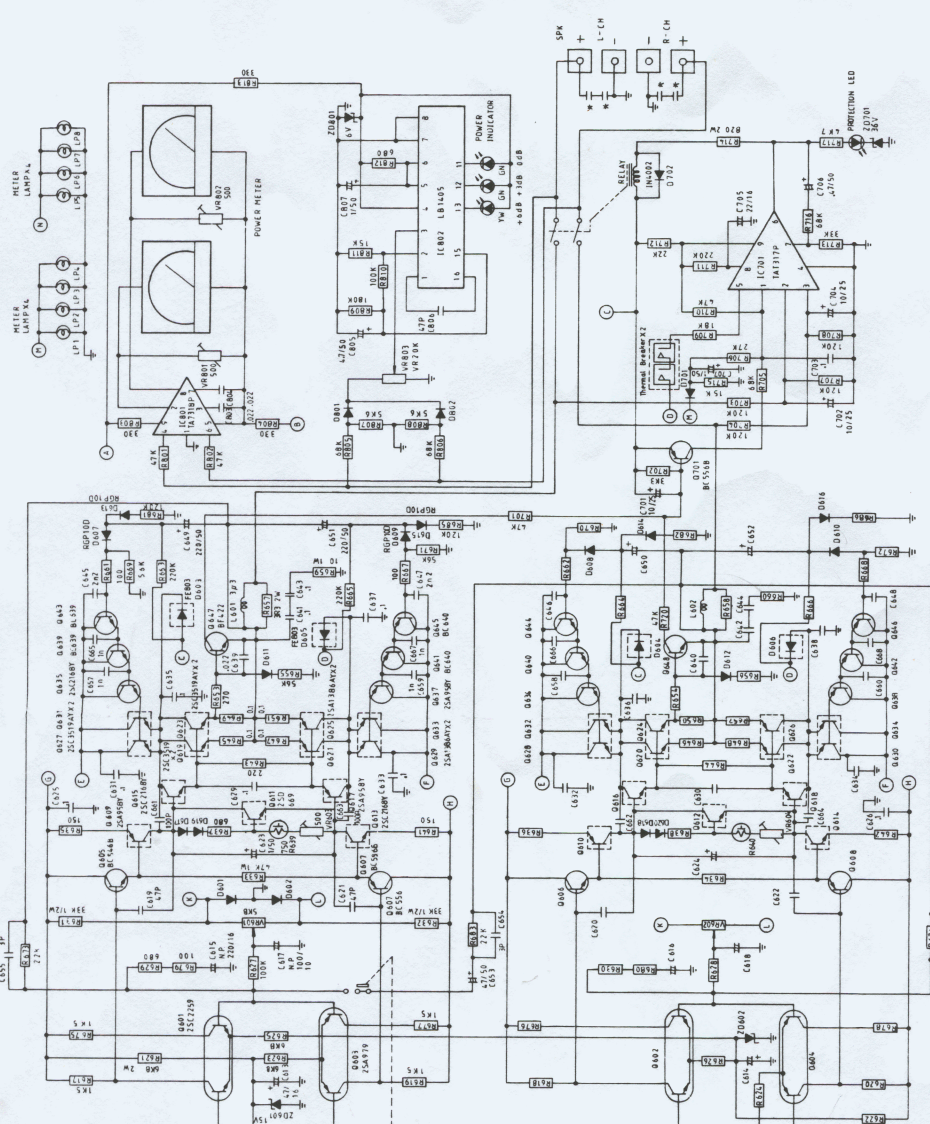


FOR : U1/U2

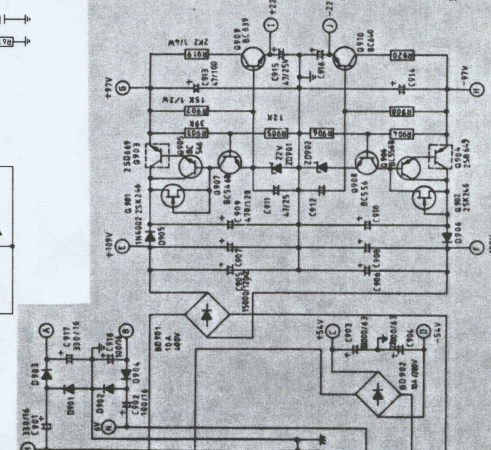
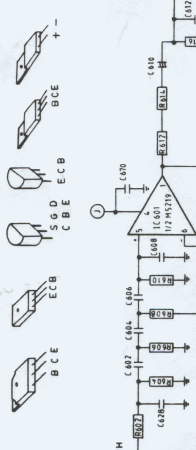




# CIRCUIT DIAGRAM



- NOTE:
- 1 ALL RESISTOR ARE IN OHM 1/4W ±5% CARBON UNLESS OTHERWISE SPECIFIED
  - 2 CAPACITANCE ARE IN pF UNLESS OTHERWISE SPECIFIED
  - 3 ALL DIODE ARE 1N4148 UNLESS OTHERWISE SPECIFIED
  - 4  $\square$  MEAN MOUNT ON HEAT SINK
  - 5  $\square$  E5 ONLY
  - 6 SW 1/2 POWER
- VR601/VR602 OFFSET  
 VR603/VR604 IDLE LEVEL ADJ.  
 VR605 LED LEVEL ADJ.  
 VR607/VR608 FAST RECOVERY DIODE  
 METER LEVEL ADJ.  
 25A038AY  
 25C3519/7
- BC639  
 125K246  
 2, BC658B  
 BF 423
- BC107  
 BC108  
 BC109  
 BC177  
 BC239  
 BC239A  
 BC239B  
 BC239C  
 BC239D  
 BC239E  
 BC239F  
 BC239G  
 BC239H  
 BC239I  
 BC239J  
 BC239K  
 BC239L  
 BC239M  
 BC239N  
 BC239O  
 BC239P  
 BC239Q  
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 BC239S  
 BC239T  
 BC239U  
 BC239V  
 BC239W  
 BC239X  
 BC239Y  
 BC239Z

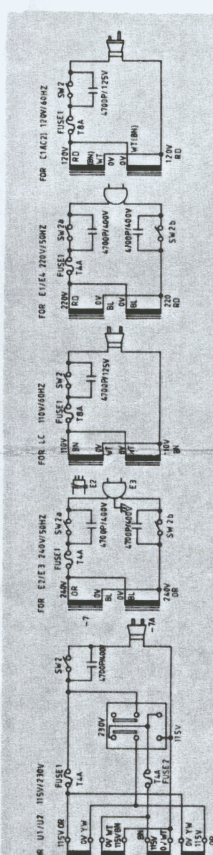
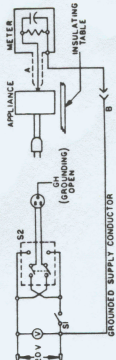


**SPRICE SAFETY INFORMATION**

The components that are identified by shading in the schematic diagram and the parts list are used to prevent shock, fire hazard and excessive radiation.

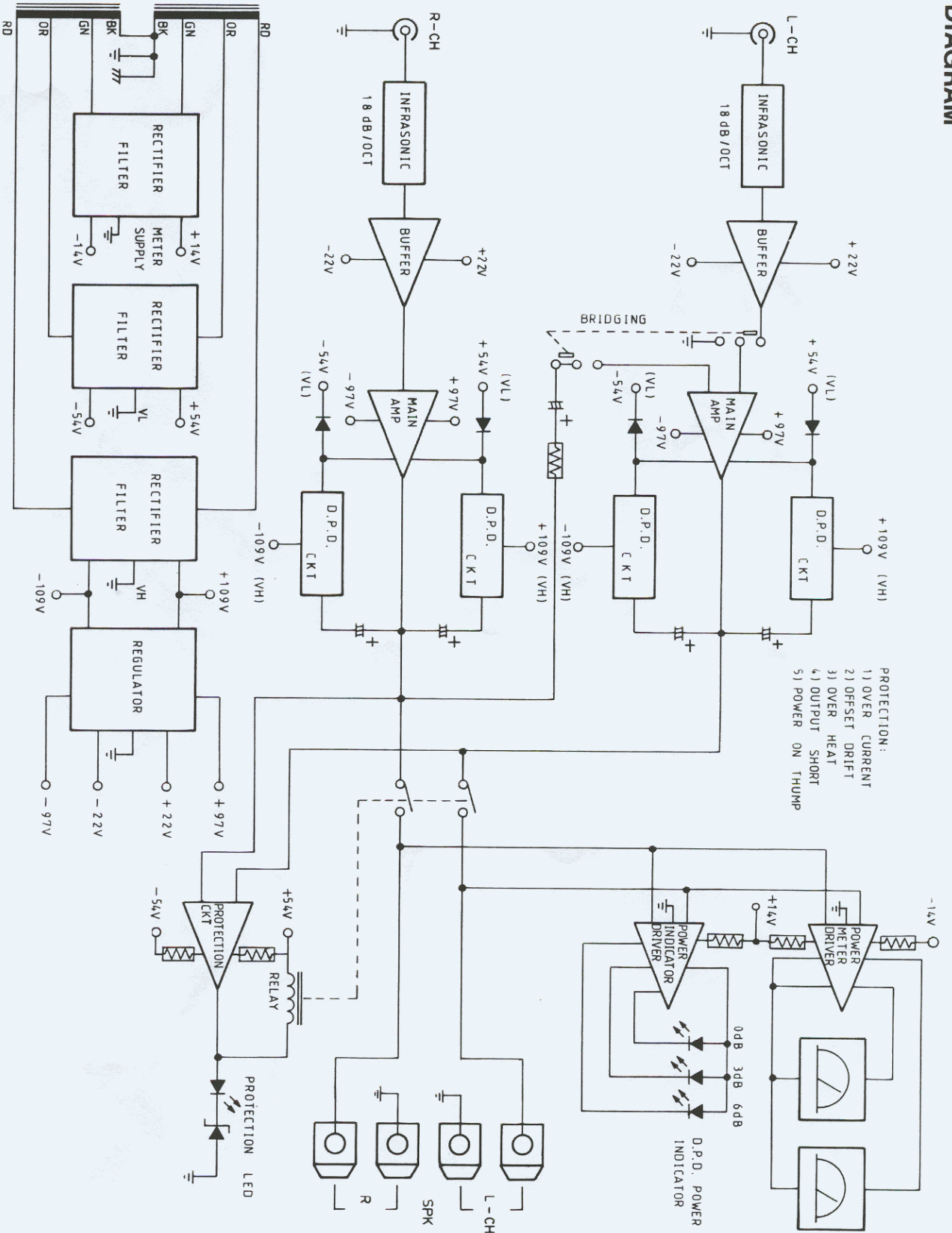
All of these critical components must be replaced only with the same type identical to those in the schematic diagram and parts list.

Make appropriate leakage current or resistance measurements to determine that exposed parts are properly insulated from the supply circuit, the leakage current at any accessible part shall be less than 0.5mA, and the measurement circuit is to be as shown below.





# BLOCK DIAGRAM



- PROTECTION:
- 1) OVER CURRENT
  - 2) OFFSET DRIFT
  - 3) OVER HEAT
  - 4) OUTPUT SHORT
  - 5) POWER ON THUMP

# ALIGNMENT

## IDLE CURRENT ALIGNMENT

1. Turn VR603, VR604 to fully counter clockwise position.
2. Remove the load from speaker terminals.
3. Push on POWER for 5 minutes pre-heating.
4. Connect DC millivolt-meter across R651 for left channel R652 for right channel. The meter sensitivity should be set at 100mV full scale deflection.
5. Adjust VR603 (left channel) and VR604 (right channel) till the reading from meter is between 2.5mV and 5.0mV the alignment is completed.

## OFFSET ALIGNMENT

1. Remove the load from speaker terminals.
2. Push on POWER for 5 minutes pre-heating.
3. Connect a DC millivolt-meter to speaker terminals of each channel. The meter sensitivity should be set at 100mV full scale deflection. The positive input of the meter should be connected to the red (+) speaker terminal.
4. Adjust VR601 (left channel) and VR602 (right channel) till the meter reading is zero. The alignments is completed.