

1 NP. Z-22.1K

SERVICE MANUAL

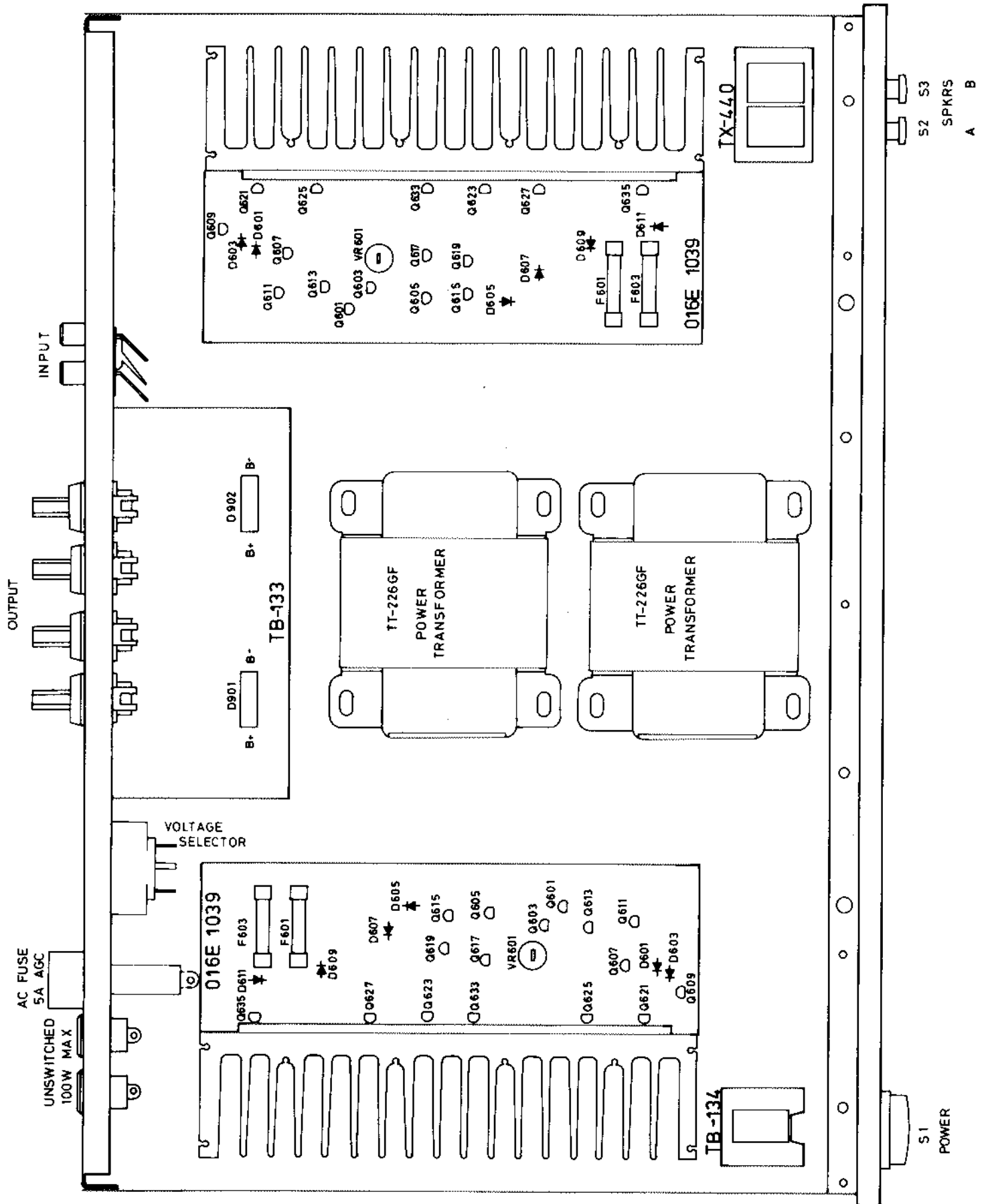
ADCOM[®] POWER AMP GFA-535

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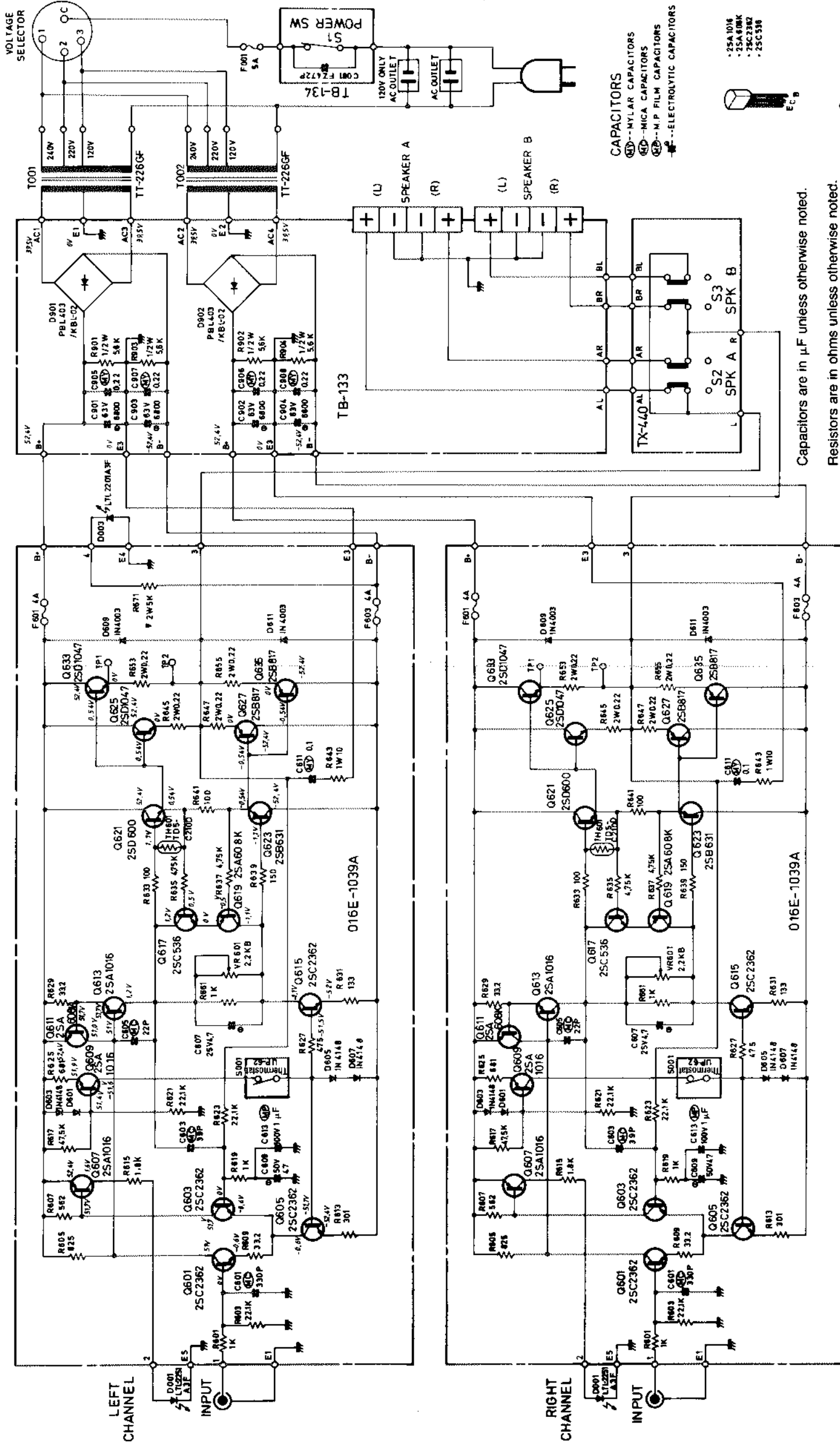
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Chassis Layout Model GFA-535



Schematic Diagram Model GFA-535

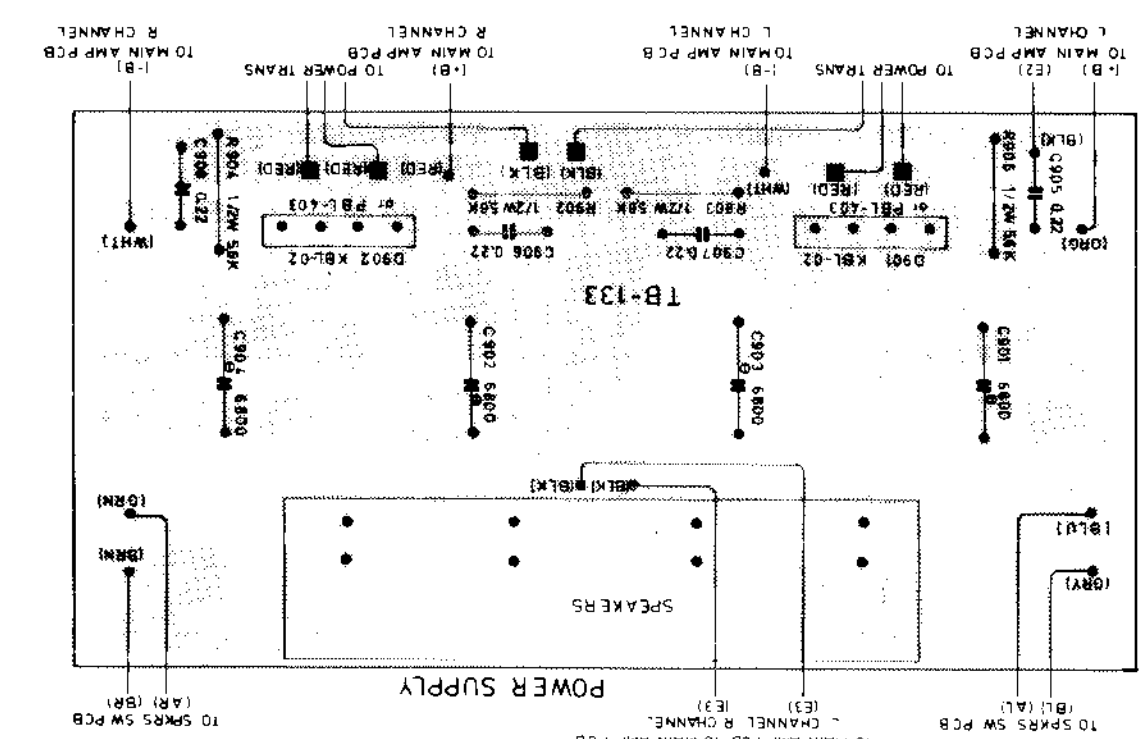
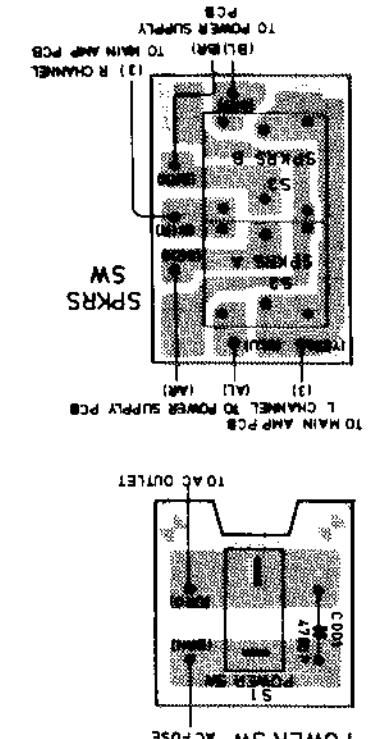
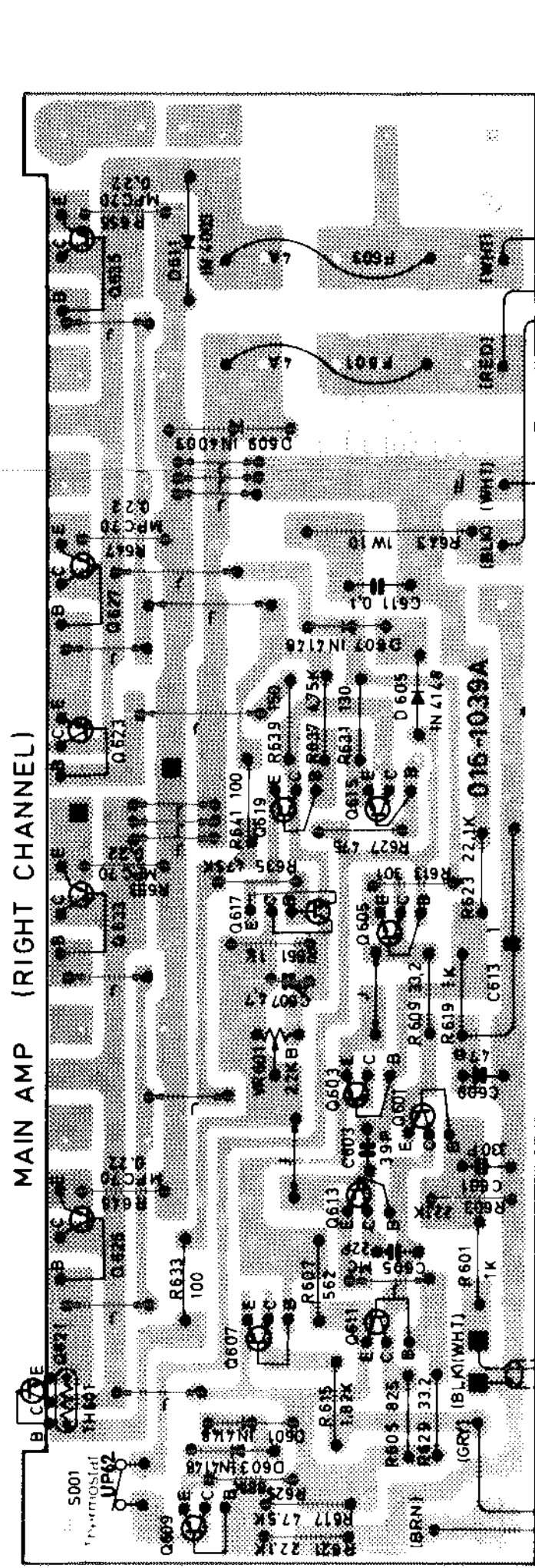
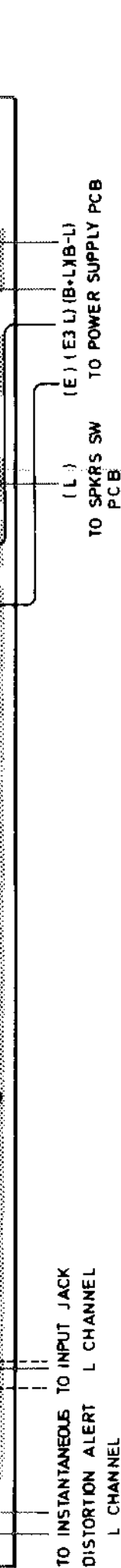
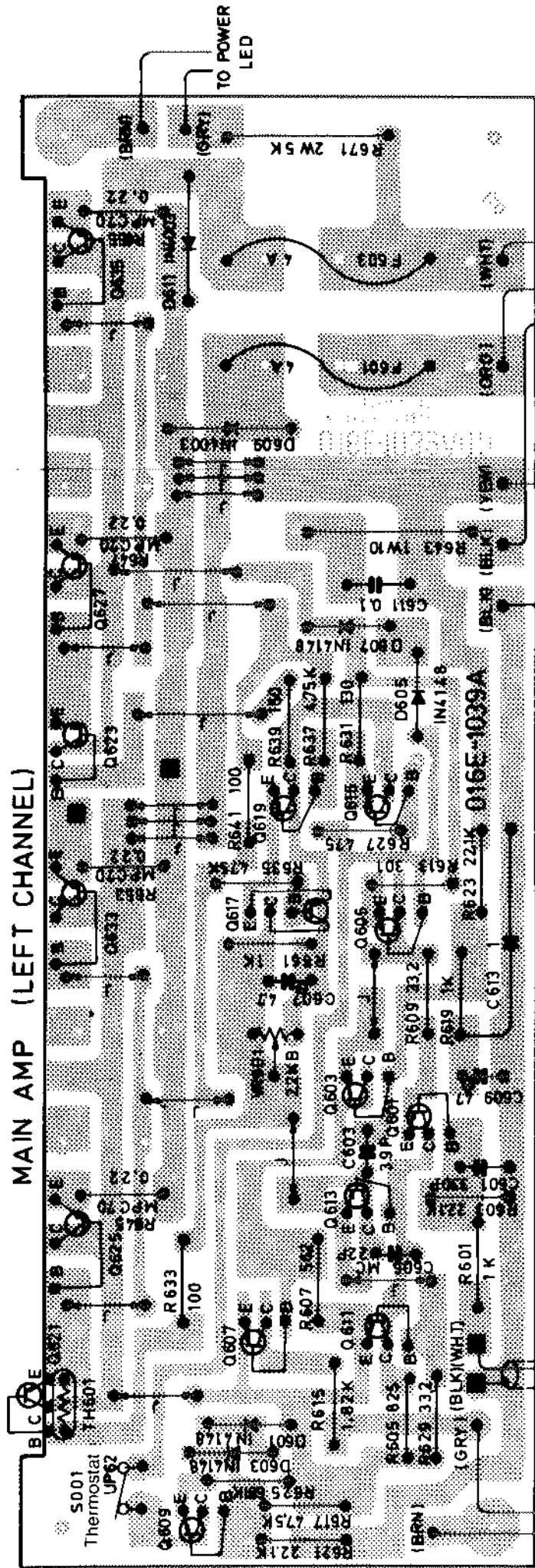


Power Amplifier Bias Adjustment

Instruments: DC milli-voltmeter
 Notes: Prior to Bias Adjustment, run about 5 minutes with rated output (8 ohm) and warm up Power Transistors and Heat Sinks.
 Set Volume Control to Minimum.

Step	Coupling		Adjust	Adjust for
	Plus Lead	Minus Lead		
1	TP1	TP2	VR601	DC milli-voltmeter reads 5mV ± 5

Wiring Diagram Model GFA-535



Repair Parts List Model GFA-535

Schematic Location	Part #	Description
D601	DD10000100	Diode 1N4148
D603	DD10000100	Diode 1N4148
D605	DD10000100	Diode 1N4148
D607	DD10000100	Diode 1N4148
D609	DD10000068	Diode 1N4003
D611	DD10000068	Diode 1N4003
D001	DD40000745	L. E. D. LTL-2251A 3FYEL
D002	DD40000745	L. E. D. LTL-2251A 3FYEL
D003	DD40000757	L. E. D. LTL-2201A 3FRED
D901	DD10000020	Diode KBL-02/PBL403
D902	DD10000020	Diode KBL-02/PBL403
Q601	TR30000212	Transistor 2SC2362 (G.H)
Q603	TR30000212	Transistor 2SC2362 (G.H)
Q605	TR30000212	Transistor 2SC2362 (G.H)
Q607	TR10000023	Transistor 2SA1016 (G.H)
Q609	TR10000023	Transistor 2SC2362 (G.H)
Q611	TR10000126	Transistor 2SA608K (F.G)
Q613	TR10000023	Transistor 2SA1016 (G.H)
Q615	TR30000212	Transistor 2SC2362 (G.H)
Q617	TR30000390	Transistor 2SC536 (F)
Q619	TR10000126	Transistor 2SA608K (F.G)
Q621	TR40000069	Transistor 2SD600K (E.F) Driver
Q623	TR10000047	Transistor 2SB631K (E.F) Driver
Q625	TR40000045	Power Transistor W/MICA 2SD1047 (D.E)
Q627	TR40000045	Power Transistor W/MICA 2SB817 (D.E)
Q633	TR40000045	Power Transistor W/MICA 2SD1047 (D.E)
Q635	TR20000040	Power Transistor W/MICA 2SB817 (D.E)
VR601	RV40000010	Semi-Fixed Resistor H1021A 2.2KB
S001	SH60000148	Thermo Protector 063 C-4270A00 UP-62 (Thermostat)
S1	SH40000167	Power Switch ESB997 061 C-4176A02 TV-8
S2, S3	SH12000284	2 Key Push Switch 2P-T0128DF2000
T001	PT21535098	Power Transformer TT-226-GF
	AA80000547	Front Panel (GFA-535) 2TUO-1#1
	AA80000730	Front Panel (GFA-535W) 2TUO-1#2
	KB20001342	Push Button 4TR-2212#1 19x19
	KB20001410	Push Button 4TR-2212#2 19x19.W
	KB20001354	Push Button 4TR-2213#1 9F
	KB20001421	Push Button 4TR-2212#2 9F.W
	AU00000622	Upper Cover 3TR-2221#2
	CD00000220	AC Power Cord SPF2
TH601	DD60000313	Thermister 034 TD5C210D
	FU12000045	Fuse
	DD10000020	Rectifier PBL 403/KBL 02
	FD00000100	Fuse Holder S-N2056#6
	VC00000048	Voltage Selector

GFA-535 /535L AMPLIFIER VOLTAGE CONVERSION

- 1) OBSERVING APPLICABLE PRECAUTIONS, INCLUDING ALLOWING TIME FOR THE FILTER CAPACITORS TO DISCHARGE, REMOVE TOP COVER
- 2) ON THE VOLTAGE SELECTION SWITCH LOCATED NEAR THE REAR PANEL OF THE UNIT SELECT THE DESIRED VOLTAGE.
- 3) REPLACE THE AC LINE FUSE WITH THE PROPER VALUE CORRESPONDING TO THE VOLTAGE SELECTED. FUSE VALUES ARE AS FOLLOWS:

120 VOLTS.....AGC	5 AMP
220 VOLTS.....AGC	2.5 AMP
240 VOLTS.....AGC	2.5 AMP

- 4) REPLACE TOP COVER
- 5) RELABEL BACK PANEL TO REFLECT FUSE AND VOLTAGE CHANGES