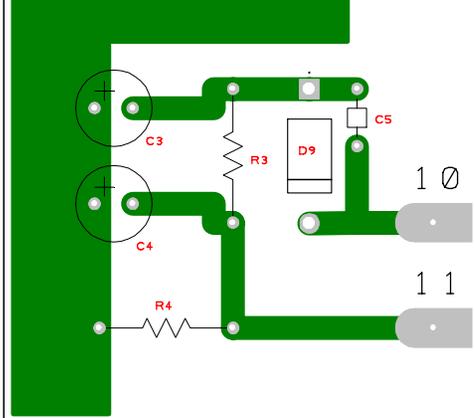
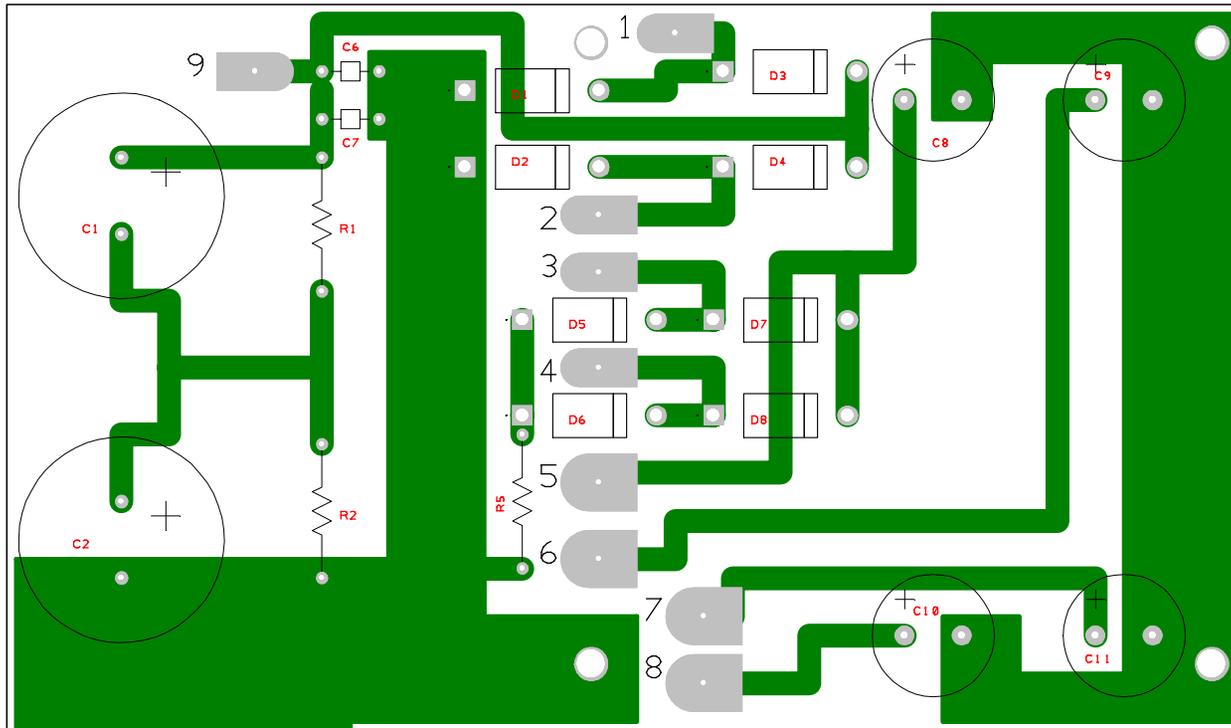


AC-1 Assembly & Installation Instructions

1. Remove the existing board by removing the nuts that hold it in place and clipping all the wires as close to the board as possible. Be sure to mark them or write down the color and where they are connected. You may have to extend them.
2. Assemble the Board Using the Board Layout Diagram. All of the Caps except C8, C9, C10, & C11 go in from the Bottom of the opposite the traces. C8, C9, C10, & C11 go in from the top trace side, bend the ends of their leads so they lay down as shown in the picture I included. Install the rest of the components from the trace side, stand them off the board a little so they can breathe. Also see the Picture for this.
3. Install the Board on the same screws that held the existing board by Using the connection information on the Board Layout Diagram. The Filament connections and rest of the rest of the connections on the Radio Cable, and any other connections should remain the same as they were originally.



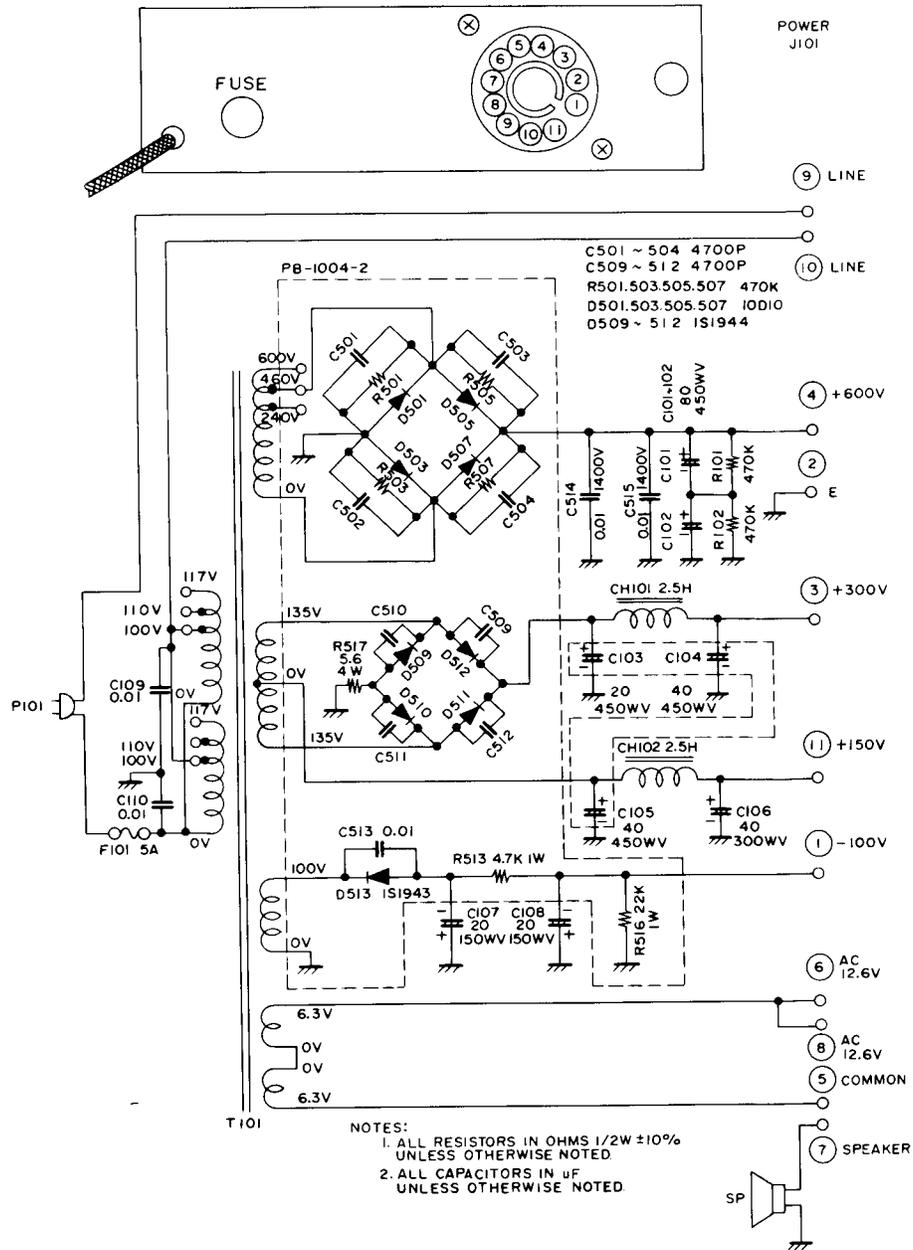
1. 450 Volt wire from Transformer that connects to the junction of D501 & D505
2. 0 Volt wire from Transformer that connects to the junction of D503 & D507
3. 135 Volt wire from Transformer that connects to the junction of D509 & D512
4. 135 Volt wire from Transformer that connects to the junction of D510 & D511
5. The wire from CH101 that connects to the junction of D511 & D512 and C103
6. wire from Ch101 that connects to the junction of C104 & Pin 3 on Radio Cable +300Vdc.
7. 0 Volt wire from Transformer that connects to the junction of C105 & th wire from CH102
8. The wire from Ch102 that connects to the junction of C106 & the wire from Pin 11 on Radio Cable +150Vdc
9. The wire from Pin 4 on the Radio Cable +600Vdc
10. 100 Volt wire from Transformer that connects to the junction of D513
11. Pin 1 on Radio Cable -100Vdc

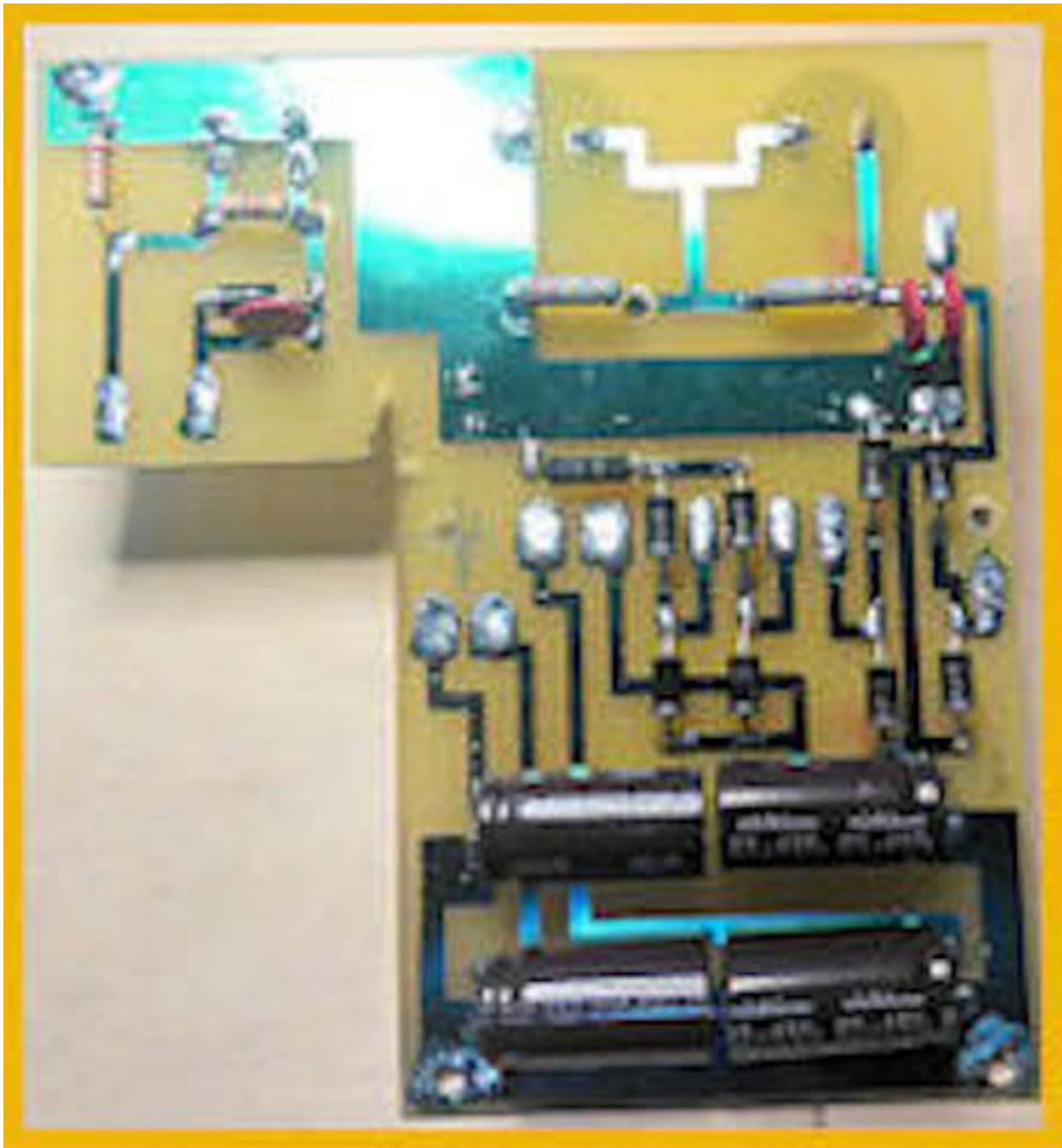
TEMPO AC/one POWER SUPPLY WITH SPEAKER

The *TEMPO AC/one* power supply is designed especially for the *TEMPO one* Transceiver. A dynamic speaker is included within the power supply cabinet. Refer to circuit diagram below for details. Note that the major HT winding is tapped 240, 460 and 600, providing DC output of 300V, 600V or 800V to the final tubes. However, for the *TEMPO one*, 600V DC is sufficient for rated output. If 800V is used, then the input will be excessive — use only on 600V DC maximum.

Bias section has only half wave rectifier as current drain is very small.

Heater winding, 2 x 6.3V, 6A is connected in series to provide 12.6V at 6A.





AC-1-PCB-1 bill of materials.txt								
Component	Package	Value	Manuf	Manuf Part No	Distrib	Distrib Part No	Ref Name	Qty
1N5408	AFL	IR			Digi-Key	1N5408-ND	D1 D2 D3 D4 D5 D6 D7 D8 D9	9
C	DSC	.01uf @ 1000volts					C5 C6 C7	3
CP4	DSCV	100uf @ 160volts					C3 C4	2
CP5	DSCV	220uf @ 450volts					C1 C2	2
CP6	DSCV	82uf @ 450volts					C8 C9 C10 C11	4
RA	DSC	4.7K ohms 1watt					R3	1
RA	DSC	5ohm 2watt					R5	1
RA	DSC	22K 1/2watt					R4	1
RA	DSC	220K 2watt					R1 R2	2
-----								25

PCB Artist Bill of Materials is provided for reference only and must be verified by the user.