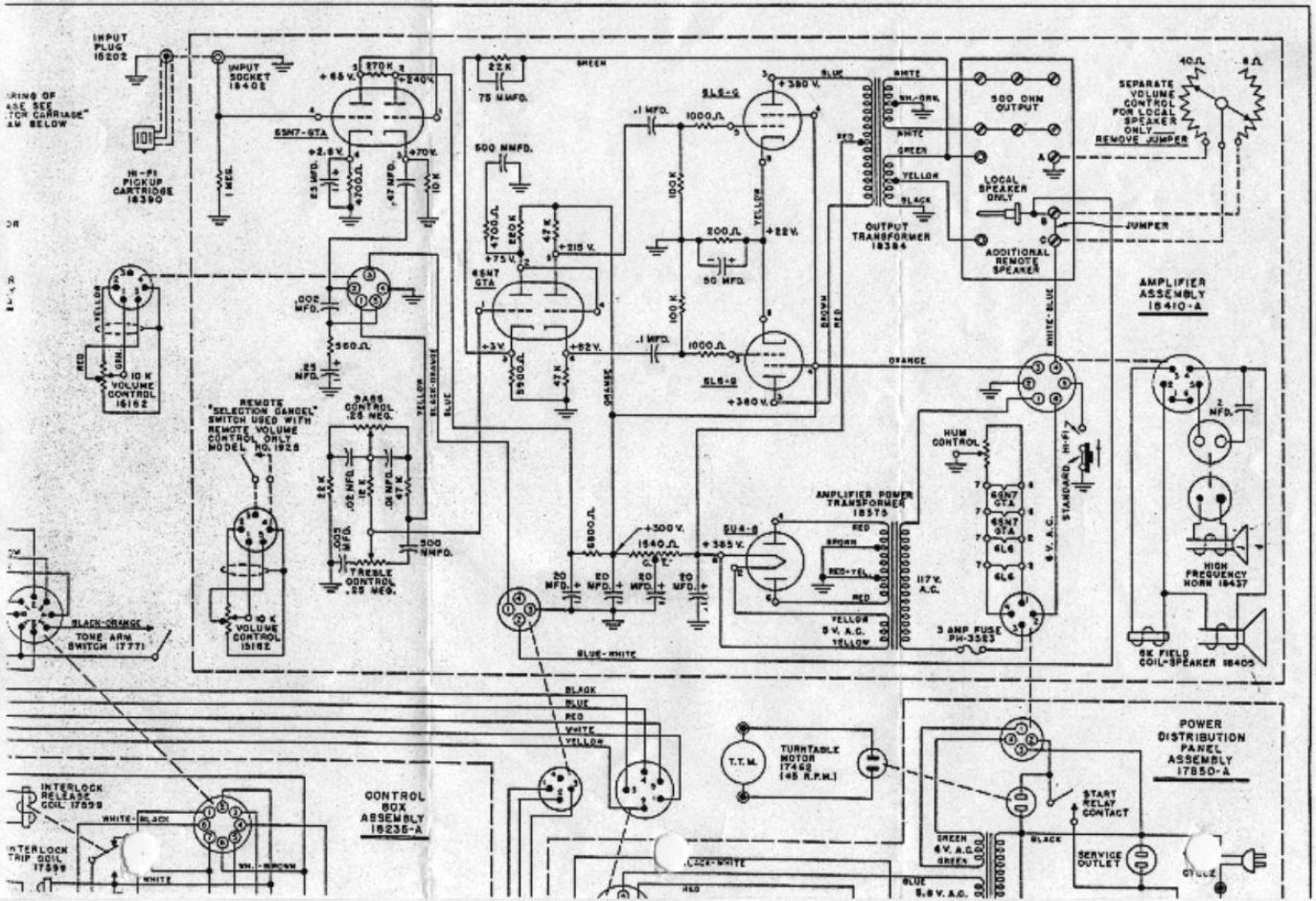
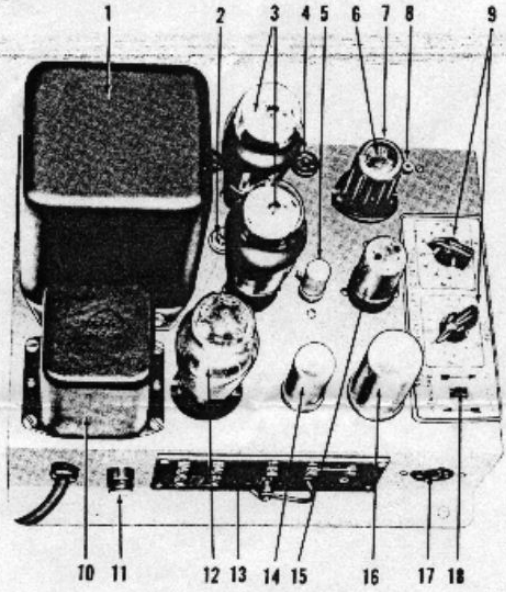
ROCK-OLA MODEL 1442



Rockola 1442

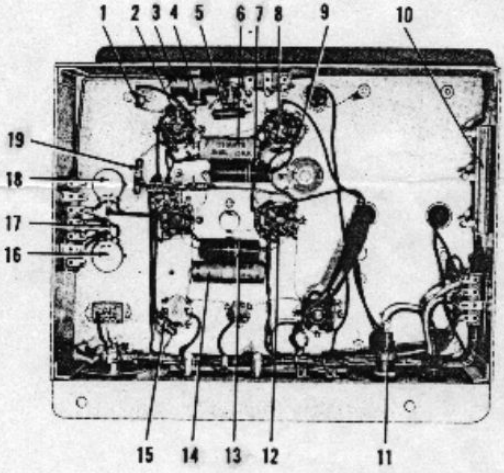


No. 18422-A Amplifier Assembly (Less Tubes)

	Part No.	Description
1	18375	Power Transformer
2	18411	Hum Control
3	PH-3191	6L6 Tube
4	17275	Miniature 5 Prong Socket
5	18436	Standee Resistor
6	12546	6 SN7 Tube
7	18412	Tube Shield
8	18402	Input Socket
9	11578	Pointer Knob
10	18384	Output Transformer
11	PH-3523	3 Amp. Fuse
12	PH-3190	5U4 Tube
13	12769	Speaker Terminal Strip
14	16924	Input Capacitor 20 mfd. 475 V.
15	12546	6 SN7 Tube
16	16926	Filter Capacitor 20 mfd. 475 V.
17	18414	6 Prong Socket 20 mfd. 475 V.
18	18403	Slide Switch 20 mfd. 475 V.

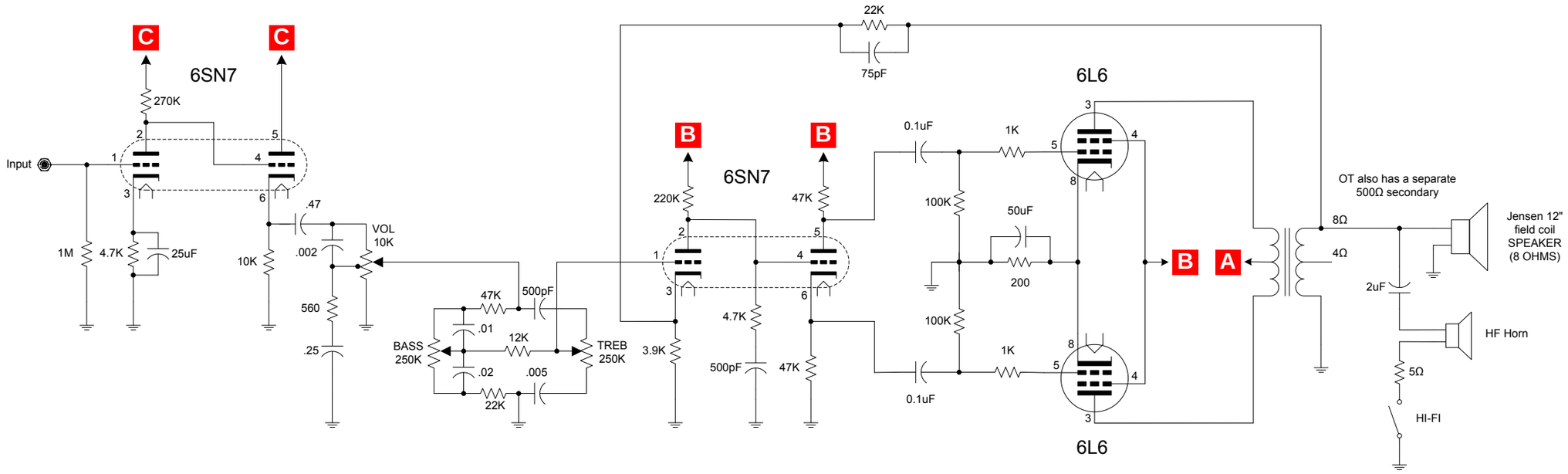
No. 18422-A Amplifier Assembly (Less Tubes)

	Part No.	Description
1	13320	1 Megohm Resistor
2	13010	270,000 Ohm Resistor
3	17788	.47 Mfd. 200 V. Condenser
4	16223	10,000 Ohm Resistor
5	18420	.002 Mfd. 400 V. Condenser
6	15204	25 Mfd. Condenser
7	18399	.1 Mfd. 600 V. Condenser
8	16228	100,000 Ohm Resistor
9	16224	1,000 Ohm Resistor
10	16925	Filter Resistor
11	11555	Fuse Holder
12	16228	100,000 Ohm Resistor
13	18399	.1 Mfd. 600 V. Condenser
14	PH-3177	50 Mfd. 50 V. Condenser
15	16222	6800 Ohm Resistor
16	18409	Tone Control
17	18439	12,000 Ohm Resistor
18	18409	Tone Control
19	18418	.0056 Mfd. 400 V. Condenser

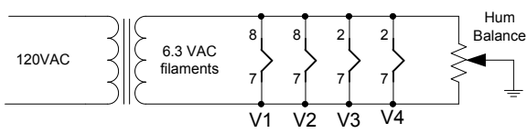


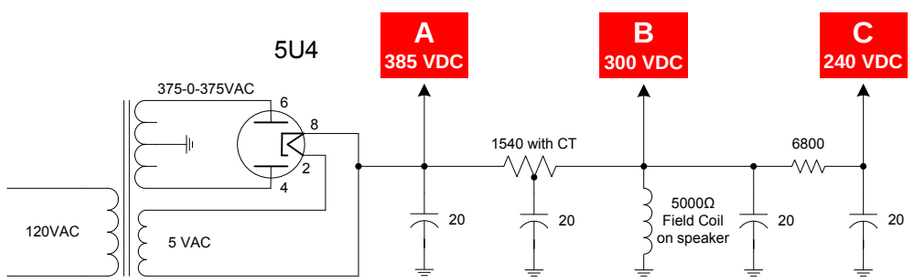
Rock-Ola model 1442 jukebox amplifier

Manufactured in 1954



This transformer is located on a separate control chassis. It has multiple secondaries that power various other circuits inside the jukebox. The 6.3VAC winding is used only to power the amplifier tube filaments.

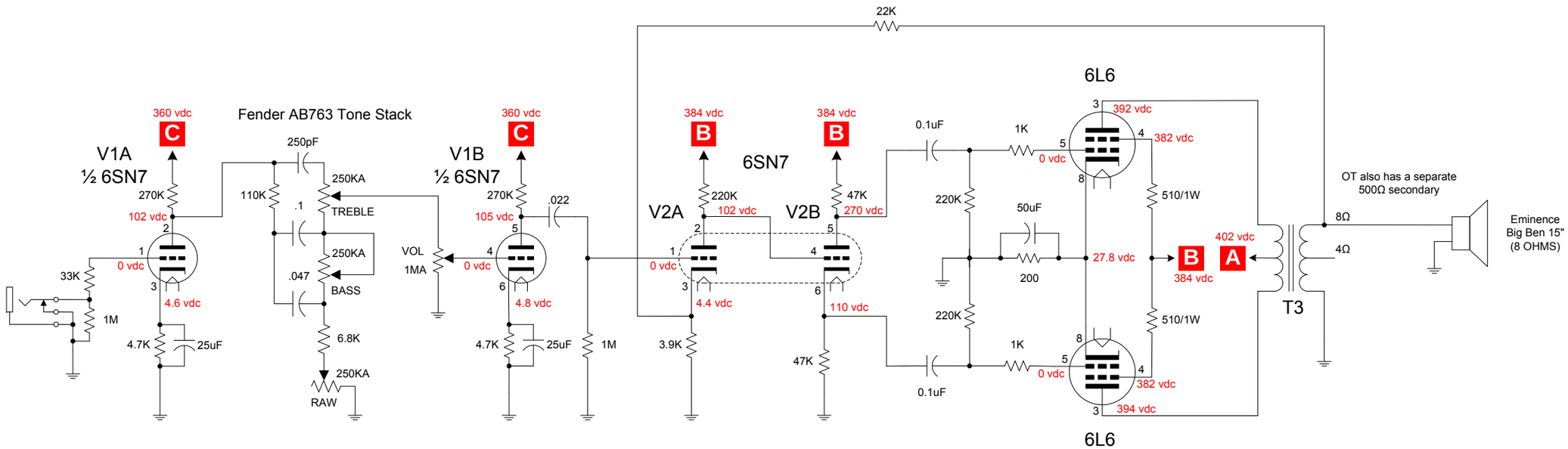


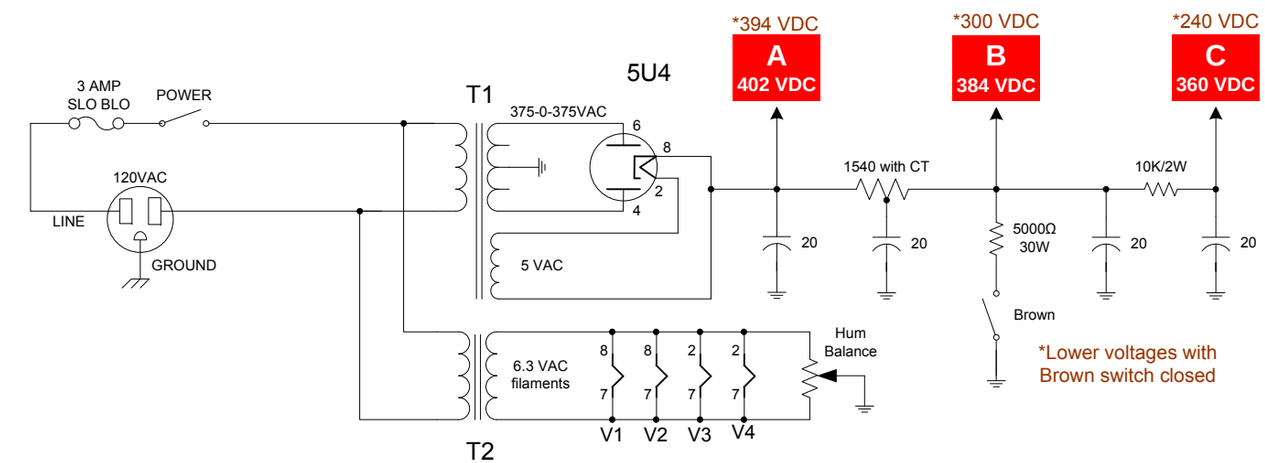


This simplified schematic is electrically correct, but has purposefully omitted interconnection plugs and jacks to make the schematic easier to understand. The AC primary circuit, fuses, switches, relays, etc. have been omitted for the same reason.

Rock-Ola Model 1442 Jukebox Amplifier Conversion

Conversion by Steve Luckey, 08/20/09





Conversion notes

- Converted V1B cathode follower to a gain stage identical to V1A.
- Replaced James tonestack with Fender AB763 tonestack plus Raw control.
- Removed Hi cut filter at input to split phase inverter/driver.
- Removed 75pF cap in NFB loop.
- Replaced 100KΩ grid resistors for 6L6s with 220KΩ.
- Installed 510Ω screen grid resistors.
- Replaced field coil with 5KΩ 30W resistor and added Brown switch.
- Replaced 6.8KΩ dropping resistor for Node C with 10KΩ 2W resistor.
- Added onboard filament transformer T2.