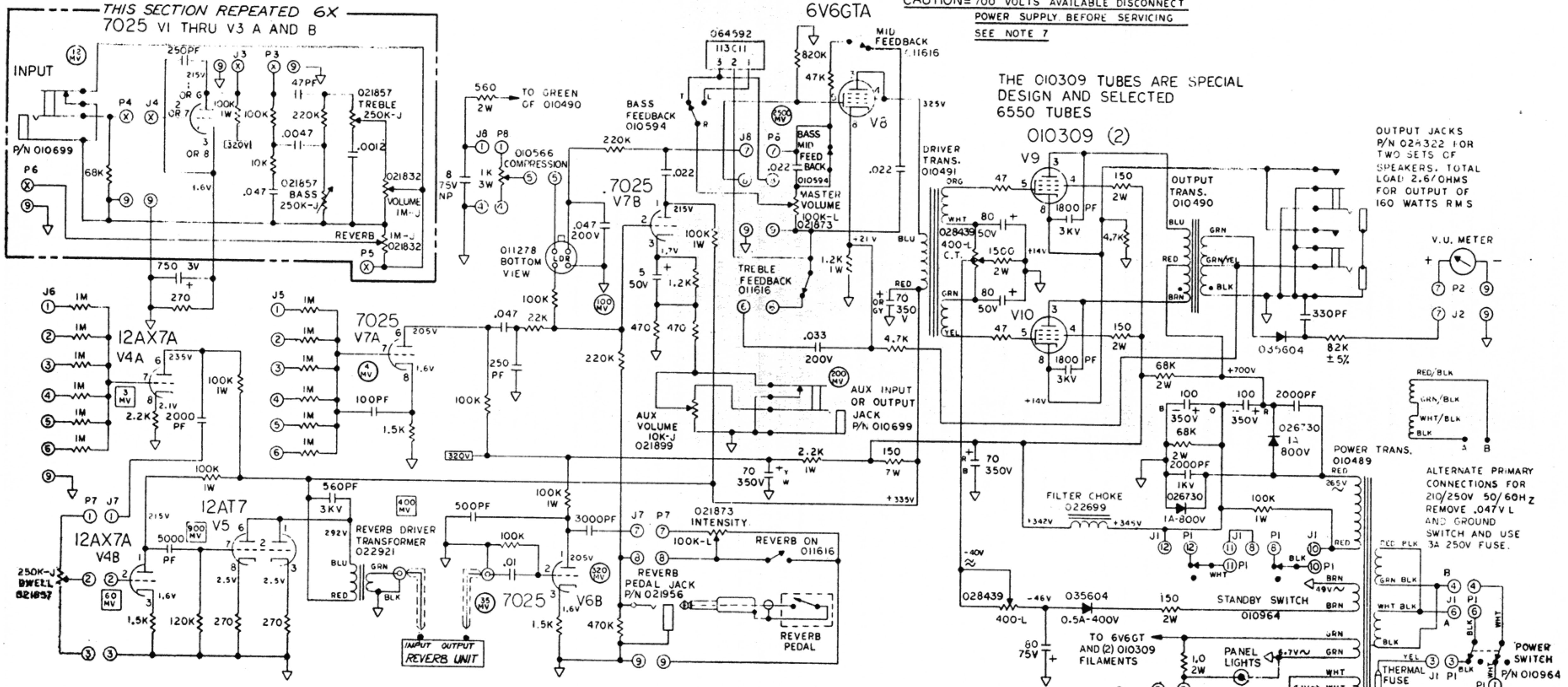


← IMPORTANT →  
**CAUTION** = 700 VOLTS AVAILABLE DISCONNECT  
 POWER SUPPLY BEFORE SERVICING  
 SEE NOTE 7

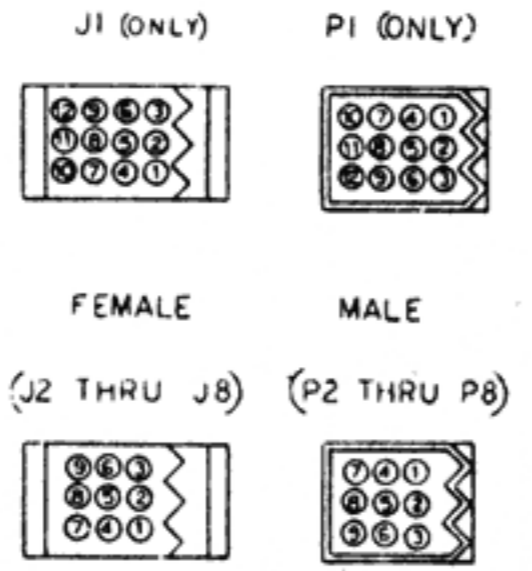


THE 010309 TUBES ARE SPECIAL DESIGN AND SELECTED 6550 TUBES

010309 (2)

OUTPUT JACKS P/N 024322 FOR TWO SETS OF SPEAKERS. TOTAL LOAD: 2.6 OHMS FOR OUTPUT OF 160 WATTS RMS

- 9 **SERVICING NOTE:** DISCONNECT POWER SUPPLY, REMOVE FRONT PANEL, FRONT AND BOTTOM SCREWS, CAREFULLY UNPLUG CONNECTORS BEFORE ATTEMPTING TO REMOVE CHASSIS.
- 10 ALL TUBES ARE MOUNTED ON CHASSIS NONE ON CONTROL PANEL.
- 11 BEFORE ATTEMPTING ANY SERVICING INSIDE CHASSIS BE SURE TO ALLOW AT LEAST 30 SECONDS AFTER POWER IS DISCONNECTED FOR BLEEDER TO REDUCE VOLTAGES. THEN TO BE MORE CERTAIN DISCHARGE EACH 100MF CAPACITOR.
- 12 WITH CONTROLS SET TO MAX:  $\mu$  DENOTES TYPICAL MV AT 400HZ FOR 10 WATTS OUTPUT 2.5 OHM LOAD AND FOR 400MV ACROSS THE REVERB INPUT COIL LOAD.
- 13  $\mu$  DENOTES TYPICAL MV AT 500HZ FOR 400MV ACROSS SAID LOAD. WITH THE SOUND COMPRESSION AT MAX TYPICAL COMPRESSION AT 100 WATT OUTPUT IS: 12db@30HZ, 8db@100HZ, 4db@200HZ, 400HZ LESS THAN 1db. AT THE 25 WATT LEVEL: 7db@30HZ, 4db@100HZ, LESS THAN 1db AT 200HZ.
- 14 B+ AT 160 WATTS OUTPUT IS 660 VOLTS AND 330 VOLTS RESPECTIVELY.
- 15 ALL CAPACITORS ARE IN MICROFARADS 600V MIN.
- 16 D.C. VOLTAGES READ TO CHASSIS WITH NO SPEAKERS CONNECTED.
- 17 ALL RESISTORS IN OHMS 10%, 1/2 WATTS ALLEN BRADLEY.
- 18 SAMPLES OF FIRST ARTICLE PARTS MUST BE APPROVED BY CBS R'G EN'G. BEFORE STARTING PRODUCTION.



FOR CONNECTOR 3 THRU 6  
 (X) DENOTES -USED 6X  
 LEAD COLORS ARE AS  
 E.I.A. CODE.

CHANNEL	COLOR	CONTACT
1	BROWN	1
2	RED	2
3	ORANGE	3
4	YELLOW	4
5	GREEN	5
6	BLUE	6
	VIOLET	7
	GRAY	8
	WHITE	9

LEAD COLORS TO CONTACTS OF ALL 9 PIN CONNECTORS USE SAME COLOR CODE.

**CBS** MUSICAL INSTRUMENTS  
 FULLERTON, CALIFORNIA

DWG. TITLE  
 — SCHEMATIC —  
 AMP 160 WATTS R.M.S.  
 CFA7416 — 160 P.S.

DWG. NO. 010807