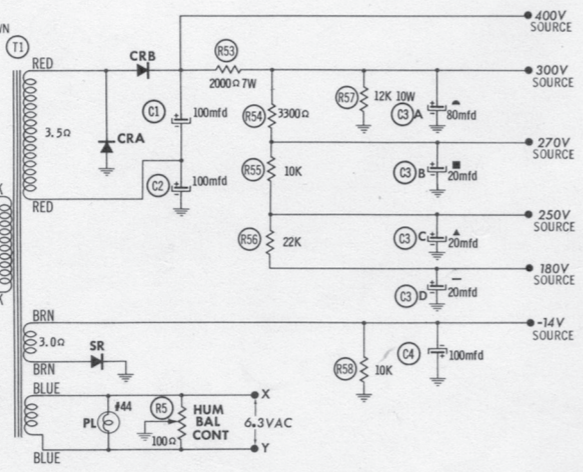
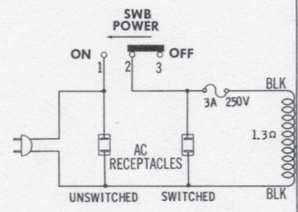


**SWJ INPUT SWITCH**  
SHOWN IN "AUX 1" POSITION.  
SEQUENCE OF ROTATION:  
1. - AUX 1  
2. - AUX 2  
3. - TUNER  
4. - PHONO 1  
5. - PHONO 2  
6. - TAPE HEAD  
7. - MIC

**SWJ MODE SWITCH**  
SHOWN IN "BAL RIGHT" POSITION.  
SEQUENCE OF ROTATION:  
1. - BAL RIGHT  
2. - BAL LEFT  
3. - MONO  
4. - STEREO  
5. - STEREO REV  
6. - CHAN RIGHT  
7. - CHAN LEFT

SWITCH SEGMENTS LABELED (FRONT) SHOWN VIEWED FROM FRONT OR KNOB END.  
SWITCH SEGMENTS LABELED (REAR) SHOWN VIEWED FROM REAR.



RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7 7025	+130K	47K	560Ω	*28Ω	*28Ω	+130K	47K	560Ω	*28Ω
V2	ECC83 12AX7	+100K	100K	560Ω	*28Ω	*28Ω	+100K	140K	560Ω	*28Ω
V3	ECC83 12AX7	+100K	700K	560Ω	*28Ω	*28Ω	+100K	750K	560Ω	*28Ω
V4	7199	+13K	1360K	+1.6meg	*28Ω	*28Ω	1800Ω	120K	27K	+360K
V5	7199	+13K	1360K	+1.6meg	*28Ω	*28Ω	1800Ω	120K	27K	+360K
V6	7189	NC	220K	50Ω	*28Ω	*28Ω	NC	+200Ω	NC	+2000Ω
V7	7189	NC	220K	50Ω	*28Ω	*28Ω	NC	+170Ω	NC	+2000Ω
V8	7189	NC	220K	50Ω	*28Ω	*28Ω	NC	+200Ω	NC	+2000Ω
V9	7189	NC	220K	50Ω	*28Ω	*28Ω	NC	+170Ω	NC	+2000Ω

† MEASURED FROM POSITIVE (+) TERMINAL OF CRB.  
\* MEASURED WITH HUM BAL CONTROL AT APPROX. CENTER OF ROTATION.  
■ RUMBLE "OFF" (100K OHM WITH RUMBLE "ON").  
NC NO CONNECTION.

RESISTANCE MEASUREMENTS ±20 %  
All resistance measurements taken under the following conditions:

1. Input selector set to "Aux. 1".
2. Loudness control at full clockwise position.
3. Mode switch set to "Stereo" position.
4. Bass and Treble controls set at center of rotation.
5. Bias Bal. controls set at center of rotation.
6. All readings taken with 20,000 ohms-per-volt VOM or equivalent.
7. All readings taken to chassis ground unless otherwise stated.
8. Line cord disconnected from wall receptacle.
9. Set Balance control to full clockwise position.
10. Sep-Par switch in "Sep" position.

VOLTAGE MEASUREMENTS ±20 %  
All voltage measurements taken under the following conditions:

1. Input selector set "Aux 1" position.
2. Loudness control at full counterclockwise position.
3. No signal present.
4. All reading taken to chassis ground with a 20,000 ohms-per-volt VOM, and line voltage maintained at 117 volts AC.
5. Voltage from pins 4 and 5 to pin 9 of V1, V2, and V3 should be 6.3 VAC.
6. Voltage from pin 4 to pin 5 of V4, V5, V6, V7, V8, and V9 should be 6.3 VAC.