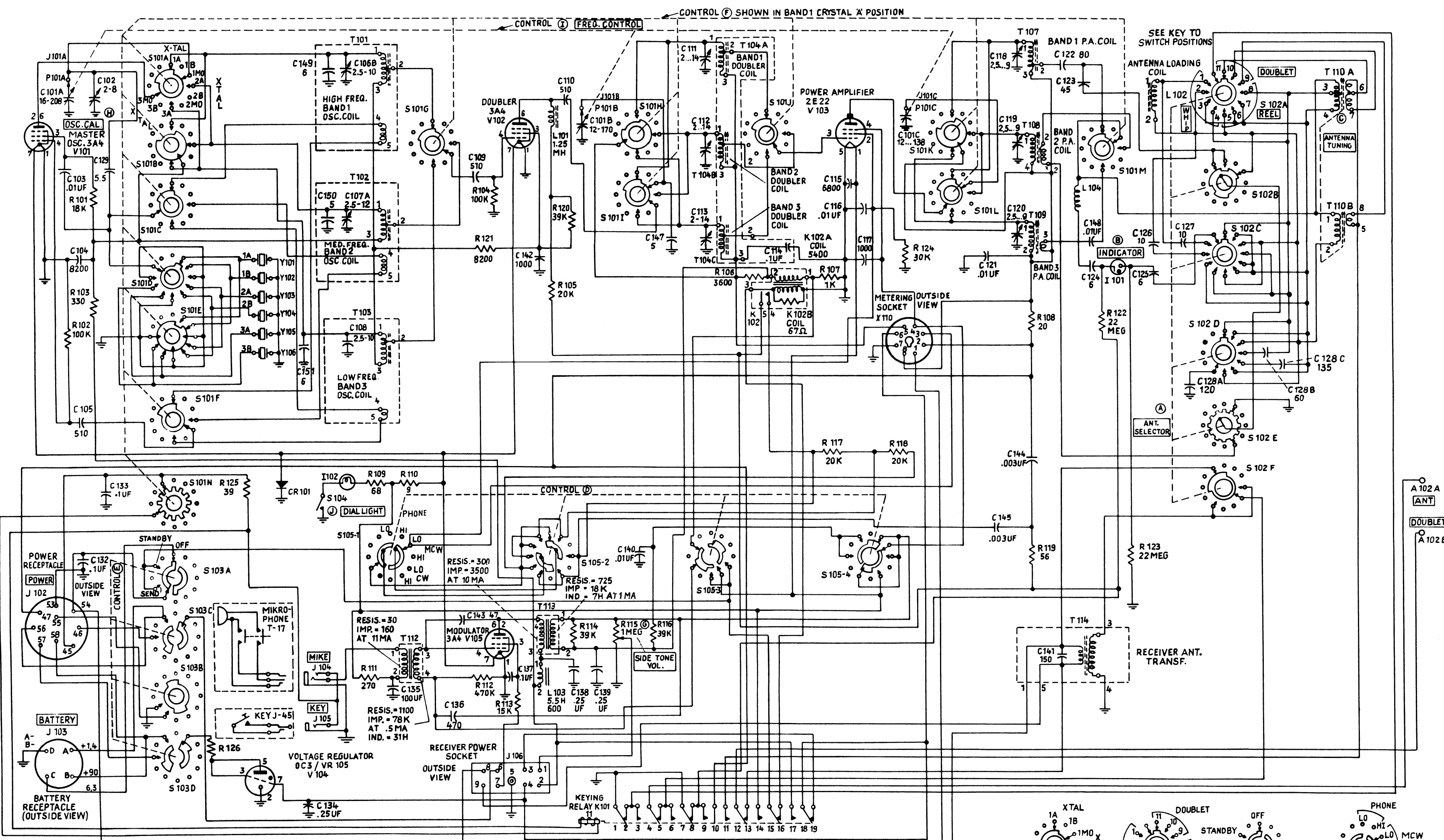


NOTES:
 A. RECEIVER SHOWN IN BAND 2, PHONE POSITION
 B. ALL SWITCH SECTIONS ARE SHOWN AS VIEWED FROM FRONT PANEL.
 C. FRONT SECTION OF EACH WAFER SECTION IS THE ONE NEAREST CONTROL KNOB.
 D. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS, CAPACITORS ARE IN UUF.
 E. UNMARKED VALUES BESIDE COILS ARE D-C RESISTANCE IN OHMS.
 F. J3 TERMINALS:
 1. SIDE TONE
 2. NET +105V
 3. RECEIVER +105V
 4. +105V
 5. GROUND
 6. RECEIVER I & V
 7. AUDIO TUBE POWER CONTROL
 8. RECEIVER ANTENNA
 9. RECEIVER ANTENNA

Figure 125 Receiver section of receiver-transmitter RT-77/6RC-9-6Y schematic diagram.



POWER OUTPUT RECEPTACLE 734		TRANSMITTER POWER INPUT PLUG J102		POWER OUTPUT RECEPTACLE 734		TRANSMITTER POWER INPUT PLUG J102	
PIN	CONNECTS TO	PIN	VOLTS	PIN	CONNECTS TO	PIN	VOLTS
20	"	54	+6.3 REG	32	"	47	+500
21	"	55	105 SEND	33	"	58	105 STANDBY
22	"	56	1.4 STANDBY	34	"	45	+6.3 KEY
23	"	46	1.4 SEND	35	"	55	SEND CONTROL
24	"	53	A-B				

NOTES:
 A. TRANSMITTER IS SHOWN "OFF"; "PHONE-LO"; "BAND 1 CRYSTAL A" KEY UP, DOUBLET 11 POSITION.
 B. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS, CAPACITORS ARE IN UUF.
 C. UNMARKED VALUES BESIDE COILS ARE D-C RESISTANCE IN OHMS.
 D. J106 TERMINALS:
 1. SIDE-TONE SIGNAL 6. RECEIVER 1.4V
 2. NET 105V 7. AUDIO TUBE POWER CONTROL
 3. RECEIVER 105V 8. RECEIVER ANTENNA
 4. 105V 9. RECEIVER ANTENNA
 5. GROUND

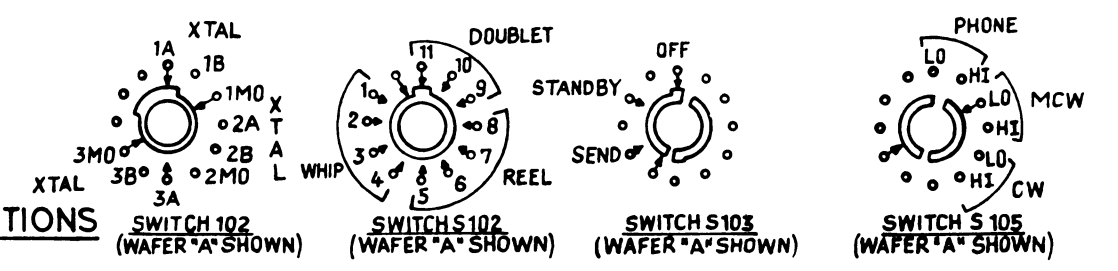


Figure 126 Transmitter section of receiver-transmitter RT-77/GRC-9-GY, schematic diagram.

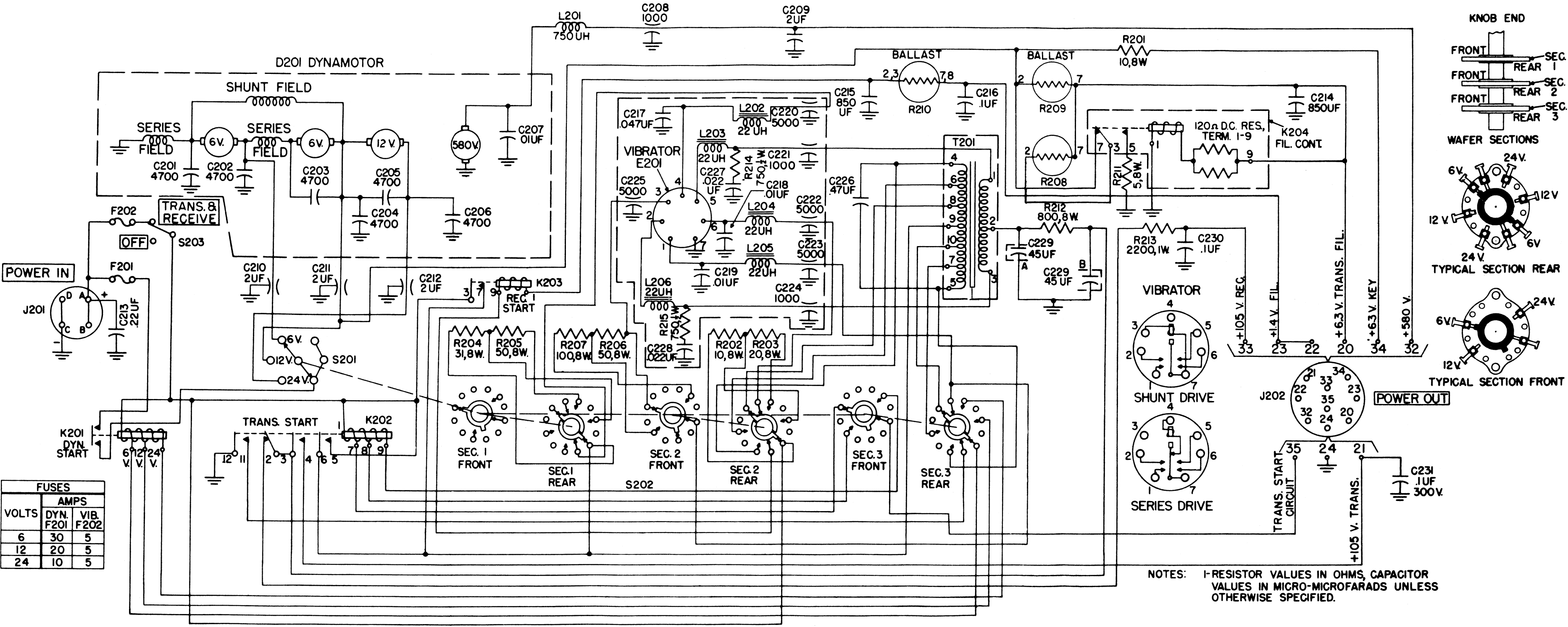
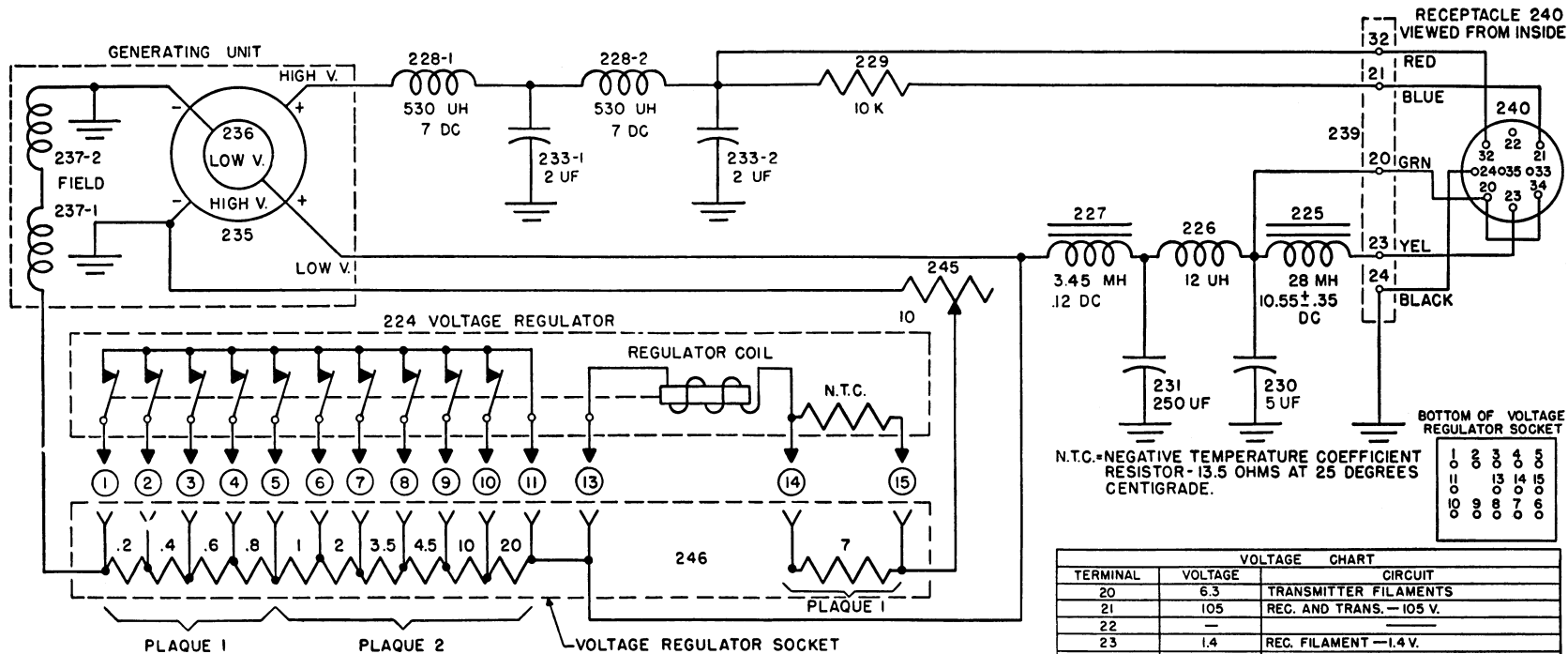


Figure 127 Dynamotor-Power Supply DY-88/GRC-9-6Y, schematic diagram.



VOLTAGE REGULATOR—A PLUG-IN VOLTAGE REGULATOR MAINTAINS OPERATING VOLTAGE WITHIN PROPER LIMITS IF REGULATOR IS DEFECTIVE REPLACE WITH NEW PLUG-IN UNIT. DO NOT ATTEMPT TO READJUST REGULATOR ITSELF—MINOR VOLTAGE ADJUSTMENTS CAN BE MADE BY VARYING POSITION OF SLIDER ON RESISTOR 245. NORMAL VOLTAGE IS 6.3 VOLTS BETWEEN CHASSIS AND TERMINAL 20 ON TERMINAL BOARD AT FULL LOAD

NOTES.

- 1 ALL CONTACTS OF REGULATOR ARE NORMALLY CLOSED
2. ON LATER MODELS, THE MULTI-TAPPED RESISTOR IS CONTAINED IN THE VOLTAGE REGULATOR SOCKET.
3. ON SOME MODELS, CHOKE COIL 227 MAY BE 3.11 MH
4. THE NUMBERS BETWEEN TAPS OF 246 ARE THE RESISTANCES OF THE PORTIONS BETWEEN THE TAPS.

5. UNLESS OTHERWISE SHOWN, RESISTORS ARE IN OHMS, CAPACITORS ARE IN UUF.

Figure 124. Generator GN-58-A-GY, schematic diagram.