REF SYMBOL	VALUE	RATING
C_{64}	0.5 MF	200 VDCW
C_{65}	0.002 MF	500 VDCW
C_{66}	0.002 MF	500 VDCW
C_{67}	0.02 MF	600 VDCW
C_{68}	8 MF	1,000 VDCW
C_{69}	8 MF	1,000 VDCW
C_{70}	40 MF	100 VDCW
C_{71}	8 MF	1,000 VDCW
C_{72}	40 MF	100 VDCW
C_{100}	0.1 MF	400 VDCW
C_{101}	500 MF	25 VDCW
C_{102}	0.01 MF	400 VDCW

REF SYMBOL	VALUE	RATING
R_{48}	40 OHMS	2 W
R_{49}	40 OHMS	2 W
R_{51}	BC-669-A, 100 OR 33 OHMS	1/2 W 2 W
	BC-669-B AND -C, 6 OHMS	2 W
R_{52}	100 OR 33 OHMS	1/2 W 2 W
R_{53}	100,000 OHMS (POTENTIOMETER)	
R_{54}	220,000 OHMS	1 W
R_{55}	100,000 OHMS	1/2 W
R_{56}	50,000 OHMS	1/2 W
R_{57}	250,000 OHMS	1/2 W
R_{58}	1,000 OHMS	1/2 W
R_{59}	50 OHMS	1/2 W
R_{60}	50 OHMS	1/2 W
R_{61}	50 OHMS	1/2 W
R_{62}	50 OHMS	1/2 W
R_{63}	0.351 OHM	300 MA
R_{64}	0.351 OHM	300 MA
R_{65}	5,000 OHMS	20 W
R_{66}	BC-669-A AND -B, 500 OHMS WITH 400-OHM TAP	50 W
	BC-669-C, 400 OHMS	50 W
R_{67}	40,000 OHMS	20 W
R_{68}	10,000 OHMS	10 W
R_{69}	125 OHMS	10 W
R_{70}	1,000 OHMS	2 W
R_{82}	500 OHMS	50 W
R_{83}	100,000 OHMS	1/2 W

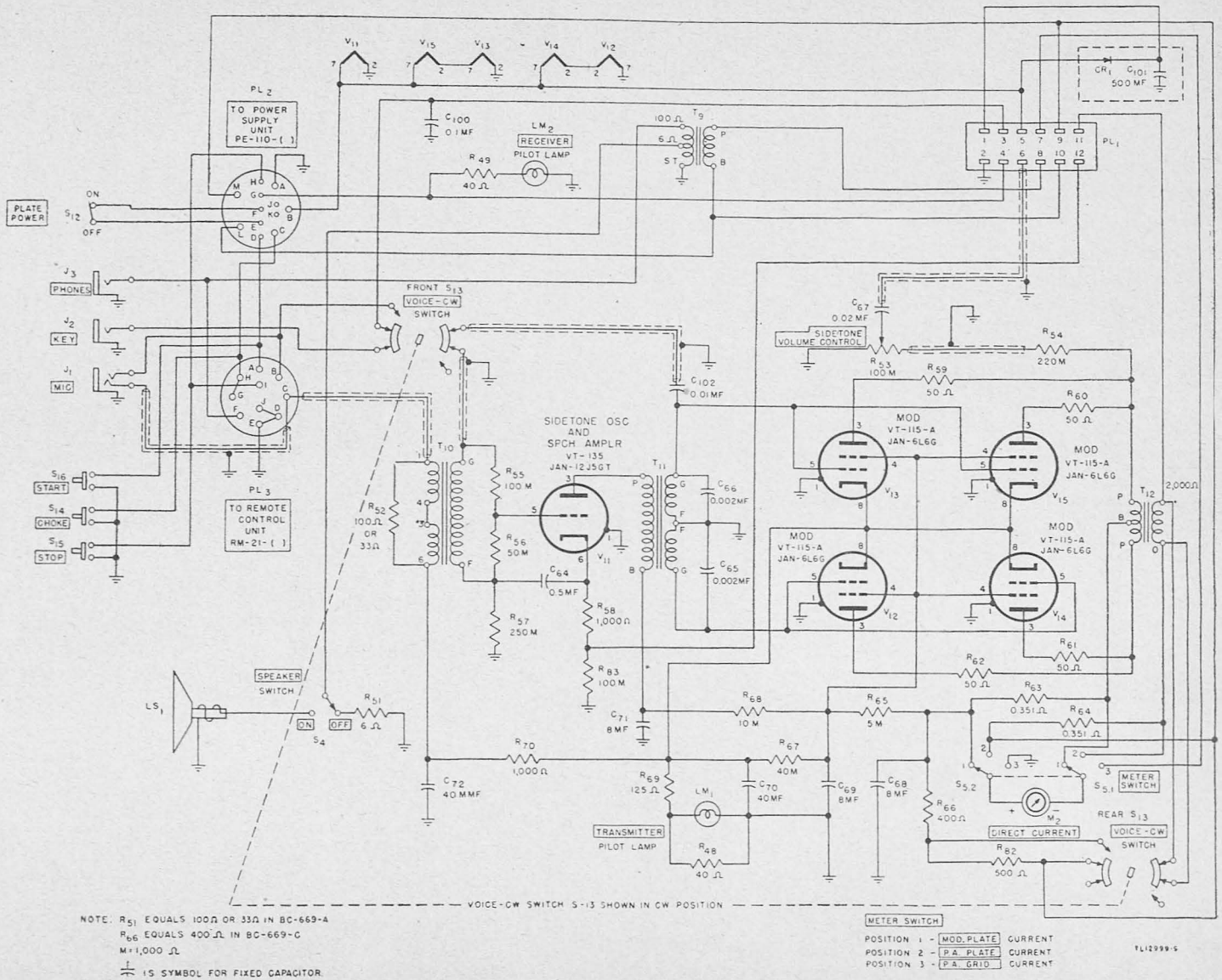


Figure 6. Radio Receiver and Transmitters BC-669-A, -B, and -C, modulator section, with modification for c-w operation.

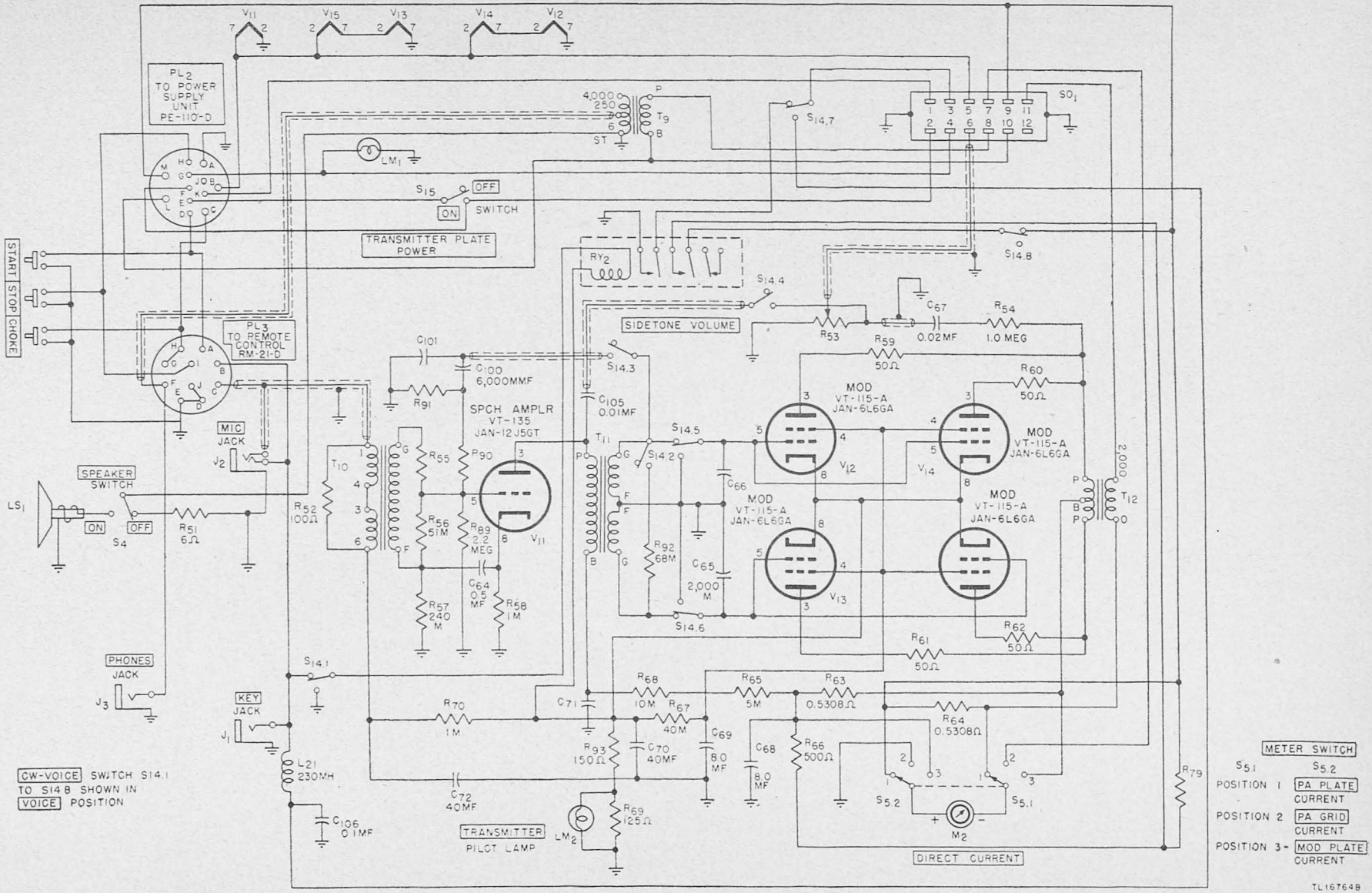
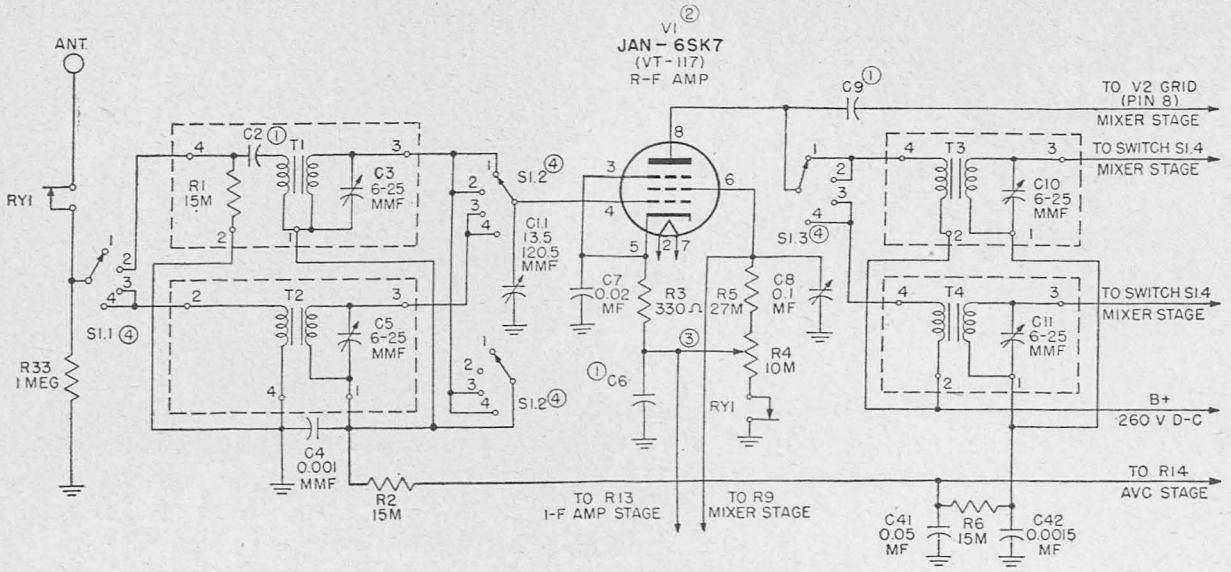


Figure 7. Radio Receiver and Transmitter BC-669-D, modulator section, schematic.



① VALUES OF THESE CIRCUIT ELEMENTS VARY IN DIFFERENT MODELS. VALUES ARE AS FOLLOWS:

MODEL	C2	C6	C9
BC-669-A	0.0045 MMF	1 MF	3 MMF
BC-669-B	0.006 MF	0.05 MF	2.5 MMF
BC-669-C	0.0045 MF	0.01 MF	3 MMF

② GLASS TUBE JAN-6SK7 GT/G (VT-117-A) USED IN BC-669-B AND BC-669-C.

③ CATHODE CIRCUIT VARIES BETWEEN MODELS. MAIN CIRCUIT DIAGRAM IS FOR BC-669-A. CATHODE CIRCUITS FOR BC-669-B AND BC-669-C ARE SHOWN IN SMALLER DIAGRAMS.

④

S1 POSITION	OPERATION	BAND	FREQUENCY
1	CRYSTAL	1	1680-2750 KC
2	MANUAL	1	1680-2750 KC
3	CRYSTAL	2	2700-4450 KC
4	MANUAL	2	2700-4450 KC

⑤ BC-669-B ON ORDER NO. 32780-PHILA-43 IS THE SAME AS MODEL BC-669-C.

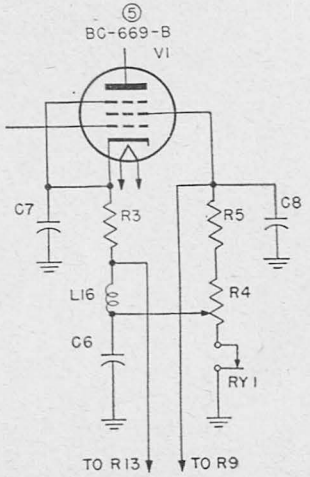
FOR TEST CONDITIONS SEE PARAGRAPH 23.

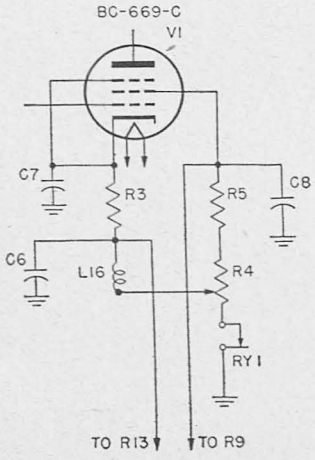
NOTE:

IS SYMBOL FOR FIXED CAPACITOR

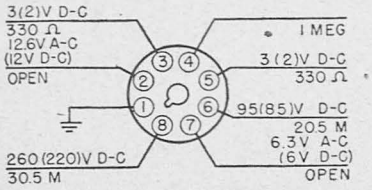
IS SYMBOL FOR VARIABLE CAPACITOR

M = 1,000 OHMS





VOLTAGES IN ( ) ARE FOR VIBRAPACK OPERATION.



TL 19704

Figure 28. Radio Receiver and Transmitter BC-669-(*), r-f amplifier stage, schematic diagram.

37. Mixer or Converter Stage (fig. 29)

a. Function of Stage. (1) Grid No. 3 of Tube JAN–6SA7 (V2) receives signal voltage amplified by tube V1 through inductive coupling provided by r-f transformer T3 or T4. Primary switching for the two frequency bands is effected by switch section S1.3. Secondary switching in two frequency bands is provided by switch section S1.4. The tuned circuit formed by T3 secondary and capacitor section C1.2 determines the frequency of the signal received by grid No. 3.

(2) Tube V2 receives its plate voltage through resistor R11, the primary of i-f transformer T5, and resistor R10. The voltage is filtered of radio frequency by capacitor C14.

(3) The cathode of tube V2 is biased by the voltage drop across resistor R7, and is bypassed by capacitor C12.

(4) An a-v-c voltage is applied through resistor R6 and T3 secondary to grid No. 3 of tube V2, and is filtered by capacitor C41. Filtering assists in maintaining voltage level, and in preventing overloading of the tube by very strong signals.

b. Repair Data on Mixer or Converter Stage. Defective action in a BC–669–(*) receiver may be caused by faults on the mixer stage. Among these are the following:

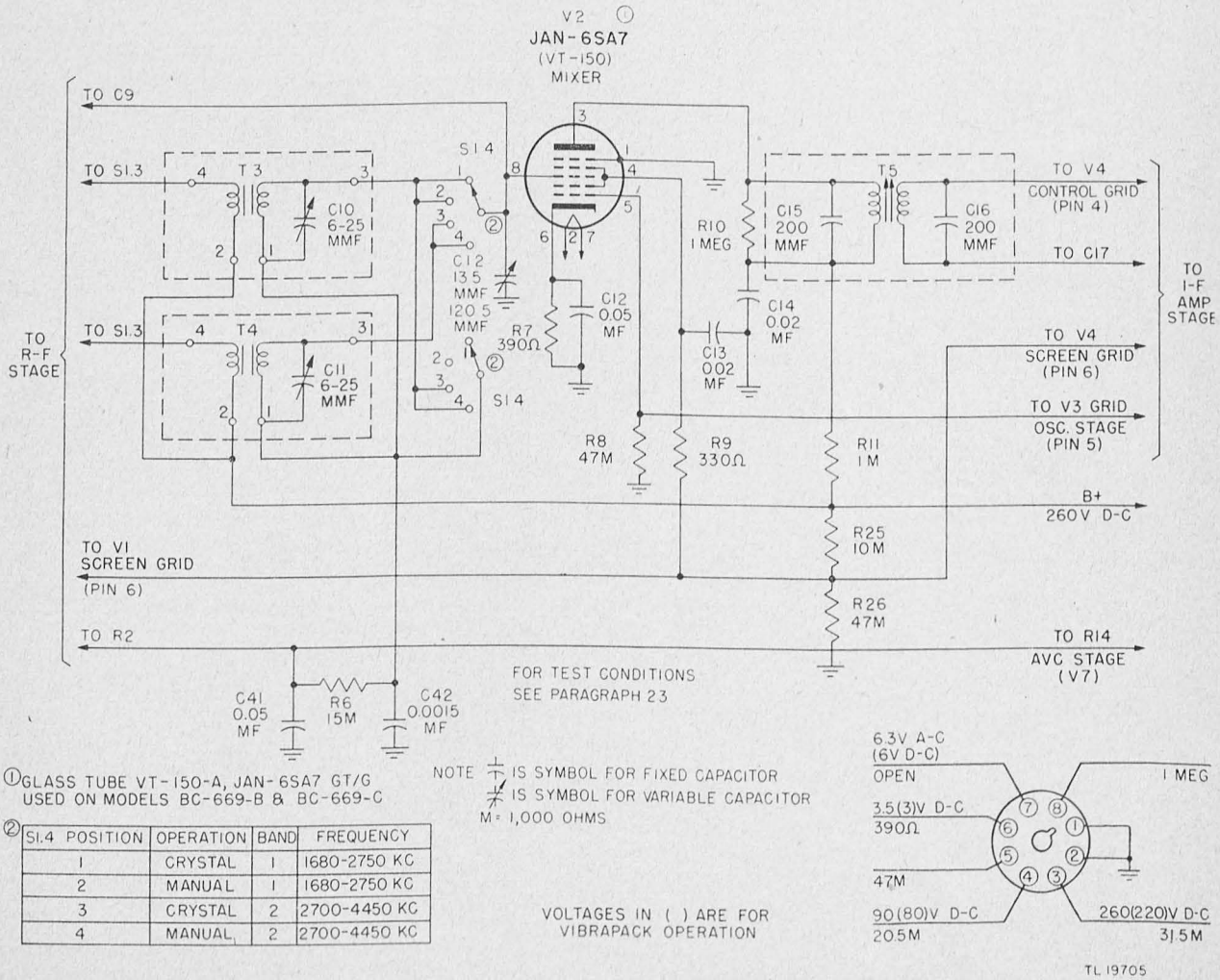
(1) *Dead set.* This may be due to a defective Tube JAN–6SA7, or to improper tube voltages. The oscillator may not be working, or it may be operating at a frequency which will not pass the i-f transformer. The i-f transformer may be defective. If no r-f signal is present, rub the metal part of the screw driver on the stator of the oscillator tuning capacitor. Little or no noise in the loudspeaker indicates a defective oscillator.

Caution: Keep fingers or body away from the metal part of the screw driver.

A negative voltage across oscillator grid leak R8 indicates an operative oscillator. No voltage, or positive voltage, indicates trouble. Infinity or high reading on an ohmmeter across oscillator coils T7, T8, or L2 indicates trouble.

(2) *Fading.* This may be caused by dirty or loose band-switch contacts. It may also be caused by loose windings on r-f coils, by open or shorted resistors, by poorly soldered contacts, or by defective dielectric in trimmers or padders.

(3) *Distortion.* This may be caused by a defective mixer tube, by open or shorted a-v-c capacitors,



②

S1.4 POSITION	OPERATION	BAND	FREQUENCY
1	CRYSTAL	1	1680-2750 KC
2	MANUAL	1	1680-2750 KC
3	CRYSTAL	2	2700-4450 KC
4	MANUAL	2	2700-4450 KC

Figure 29. Radio Receiver and Transmitter BC–669–(*), mixer stage, schematic diagram.

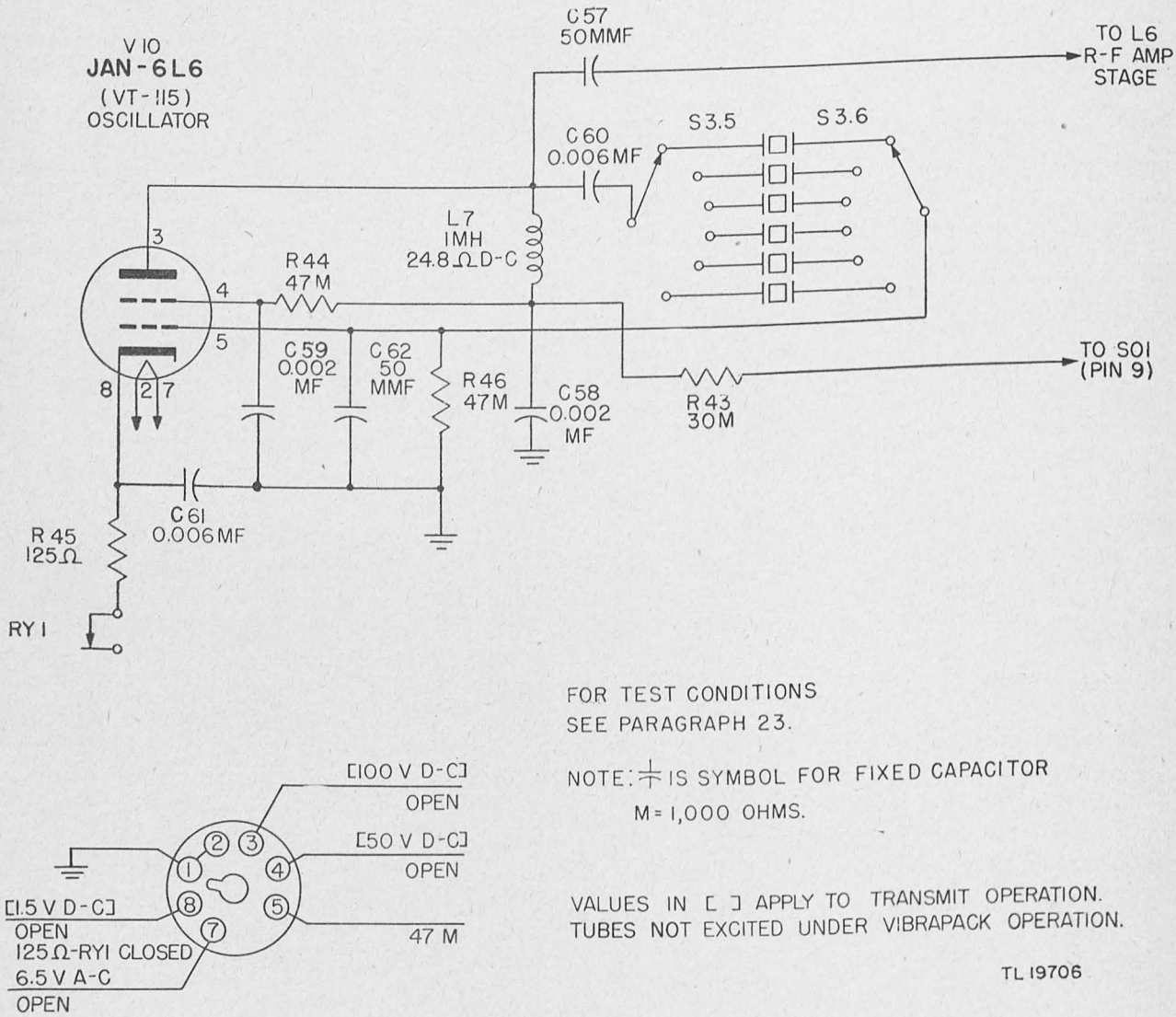


Figure 30. Radio Receiver and Transmitter BC-669-(*), heterodyne oscillator stage, schematic diagram.

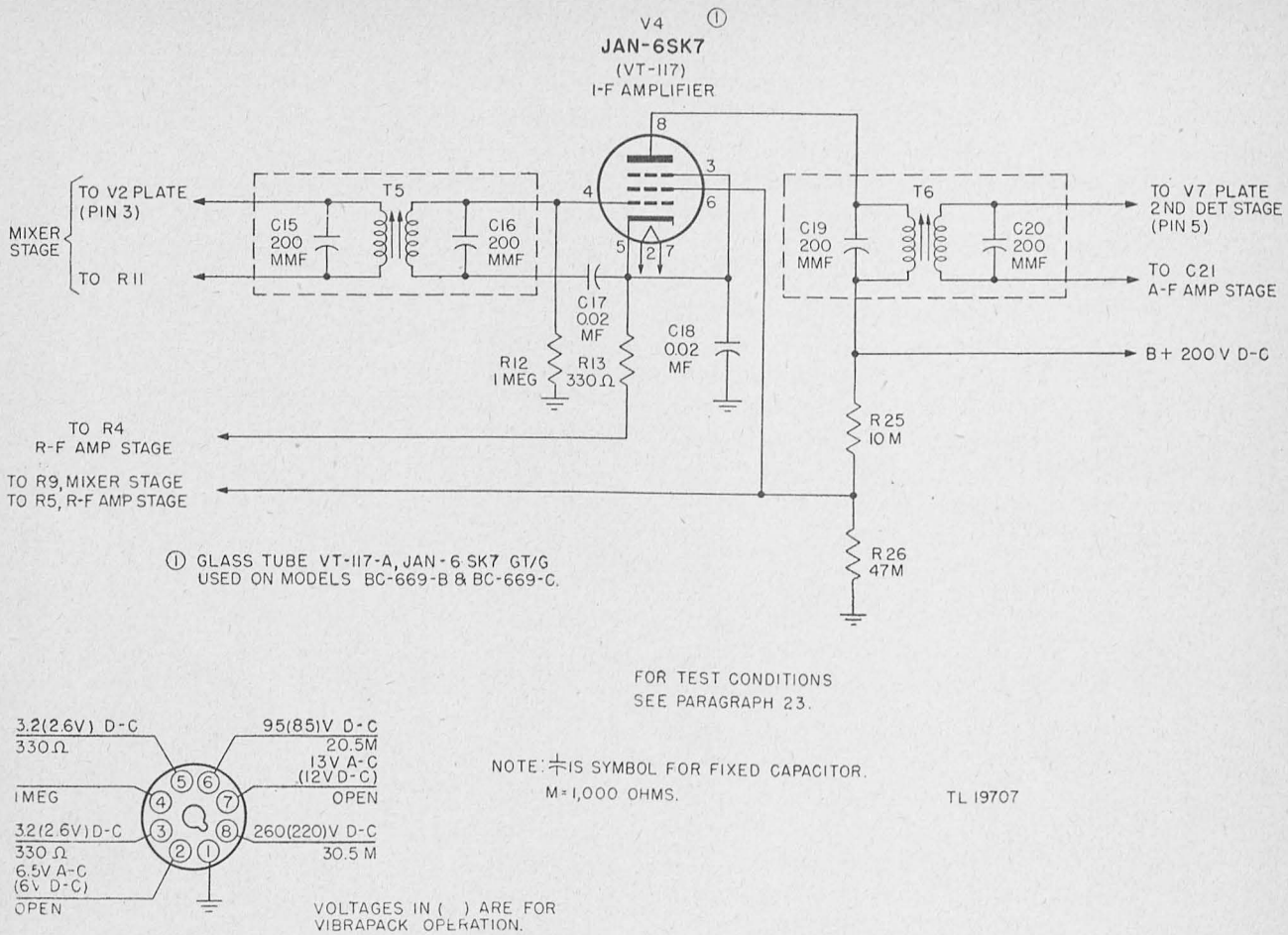
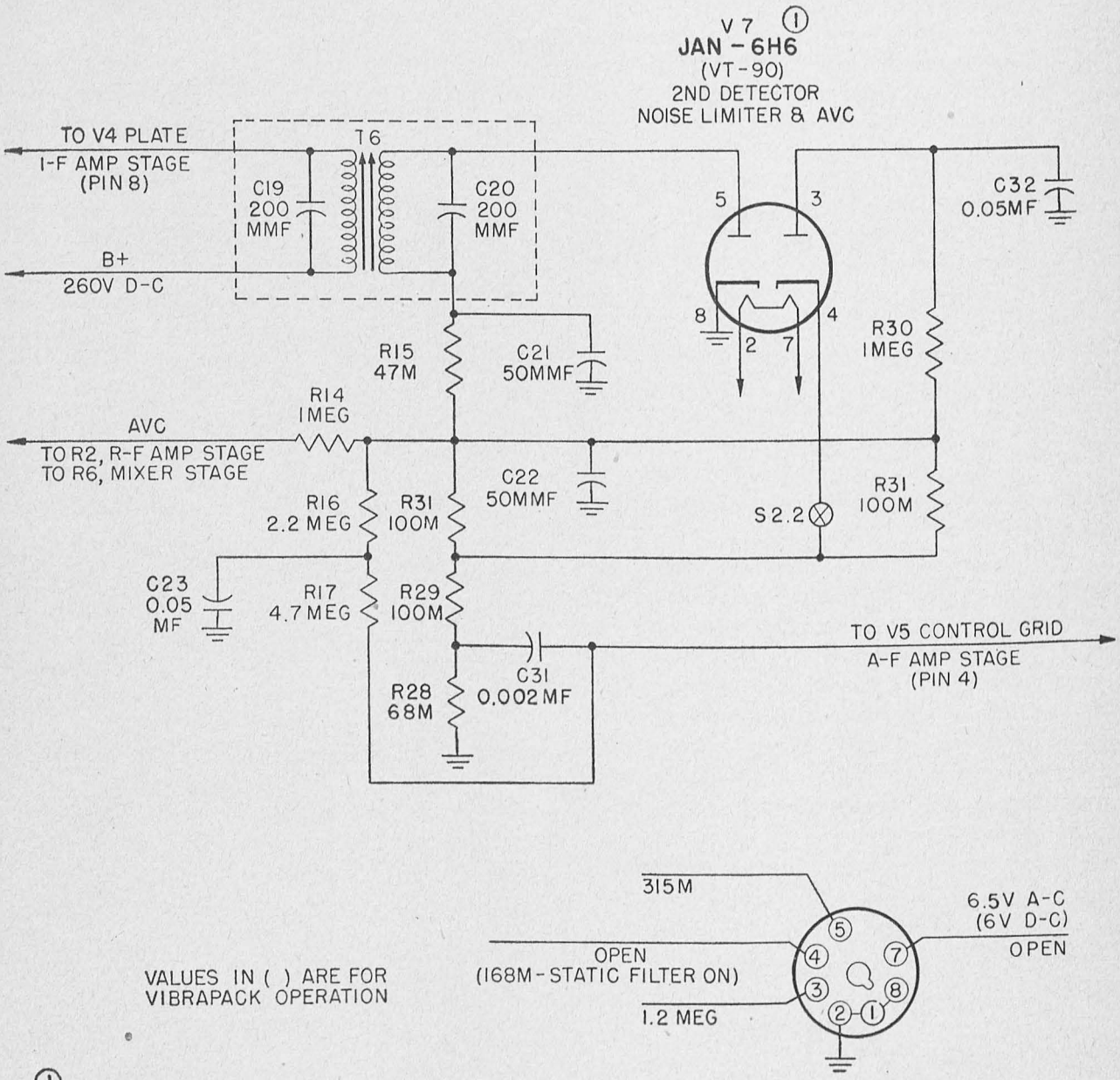


Figure 31. Radio Receiver and Transmitter BC–669–(*), i-f amplifier stage, schematic diagrams.

c. PARTS DATA.

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C15	3D390	CAPACITOR: 200 mmf, ±5%; 500 vdcw; molded silver-mica; small postage stamp type	T5 pri resonator.
C15 C[1]	3D390	CAPACITOR: 200 mmf, ±5%; 500 vdcw; temp coef 0.0075; tubular, ceramic	T5 pri resonator.
C16	3D390	CAPACITOR: 200 mmf, ±5%; 500 vdcw; molded silver-mica; small postage stamp type	T5 pri resonator.
C16 C[1]	3D390	CAPACITOR: 200 mmf, ±5%; 500 vdcw; temp coef 0.00075; tubular, ceramic	T5 pri resonator.
C17 A,B[1]	3DA20–45	CAPACITOR: 0.02 mf, —10% +20%; 400 vdcw; molded paper	T5 sec return.
C17 C[1]	3DA20–45	CAPACITOR: 0.02 mf, ±20%; 400 vdcw; molded paper	T5 sec return.
C18 A,B[1]	3DA20–45	CAPACITOR: 0.02 mf, —10% +20%; 400 vdcw; molded paper	V4 cathode bypass.
C18 C[1]	3DA20–45	CAPACITOR: 0.02 mf, ±20%; 400 vdcw; molded paper	V4 cathode bypass.
R12	3Z6801–16	RESISTOR: 1-megohm ±20% ½ watt; insulated carbon	V4 grid leak.
R13	3Z6033–9	RESISTOR: 330 ohms ±10%; ½ watt; insulated carbon	V4 cathode bias.
T5	2Z9641.11	TRANSFORMER, i-f: 385 kc; double permeability tuned; contains capacitors C14 and C16; special	1st i-f amp coil.
V4 A[1]		TUBE, JAN-6SK7, VT–117	Rcvr i-f amp.
V4 B,C[1]		TUBE, JAN-6SK7GT/G, VT–117–A	Rcvr i-f amp.
V4 B,C[2]		TUBE, JAN-6SK7GT/G, VT–117–A	Rcvr i-f amp.

[1] Applies only to models indicated.
[2] Applies only to models indicated on Orders Nos. 32780–Phila–43 and 32781–Phila–43.



① V7 IS A JAN 6H6-GT/G GLASS TUBE
FOR MODELS BC-669-B, AND BC-669-C

FOR TEST CONDITIONS SEE PARAGRAPH 23.

TL19708

NOTE:

IS SYMBOL FOR FIXED CAPACITOR

IS SYMBOL FOR VARIABLE CAPACITOR

M = 1,000 OHMS

Figure 32. Radio Receiver and Transmitter BC-669-(*) second detector, noise limiter, and a-v-c stage, schematic diagram.

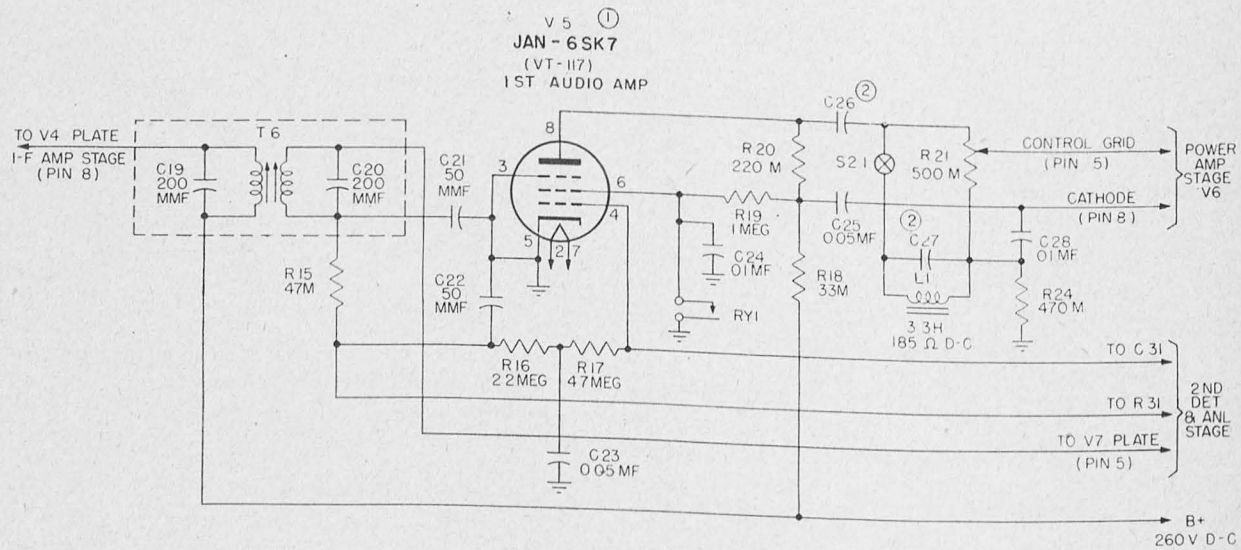
are the receiver troubles which may originate in this stage.

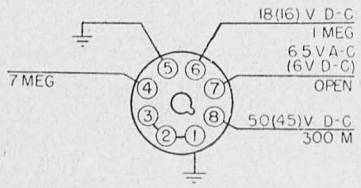
(1) *Dead unit and dead audio component.* Check tube V5. If it is defective, replace it. Shorted plate-load resistor R20 cancels the normal voltage drop across the resistor, raises plate potential and increases current in the circuit. When the plate voltage of V5 is excessive or when there is no output at the control grid (pin No. 5) of tube V6, check resistor R20. Check capacitors C20, C21, C22, C23, C24, C25, and C26. Replace any defective capacitors. Check resistors R15, R16, R17, R18, R19, R25, and R26. Replace any defective resistors.

(2) *Distortion.* Make sure that other stages are operating properly. If distortion continues, check resistors by voltage measurements for heating and consequent value change after set is in operation. Check all soldered connections.

(3) *Hum.* Check all filter capacitors. Check tubes against possible internal shorts.

(4) *Weak reception.* Check to make sure that filaments are getting proper voltage throughout unit. Check B+ to its source through pin and contacts No. 8 and 10 in plug PL1, and socket SO1 to pin No. 1 in plug PL2.





① GLASS TUBE VT-117-A, JAN-6SK7 GT/G USED ON MODELS BC-669-B & BC-669-C

②

MODEL	C26	C27
BC-669-A	0 005 MMF	0 0075 MF
BC-669-B	0 006 MMF	0 007 MF
BC-669-C	0 005 MMF	0 0075 MF

FOR TEST CONDITIONS SEE PARAGRAPH 23.

TL19709

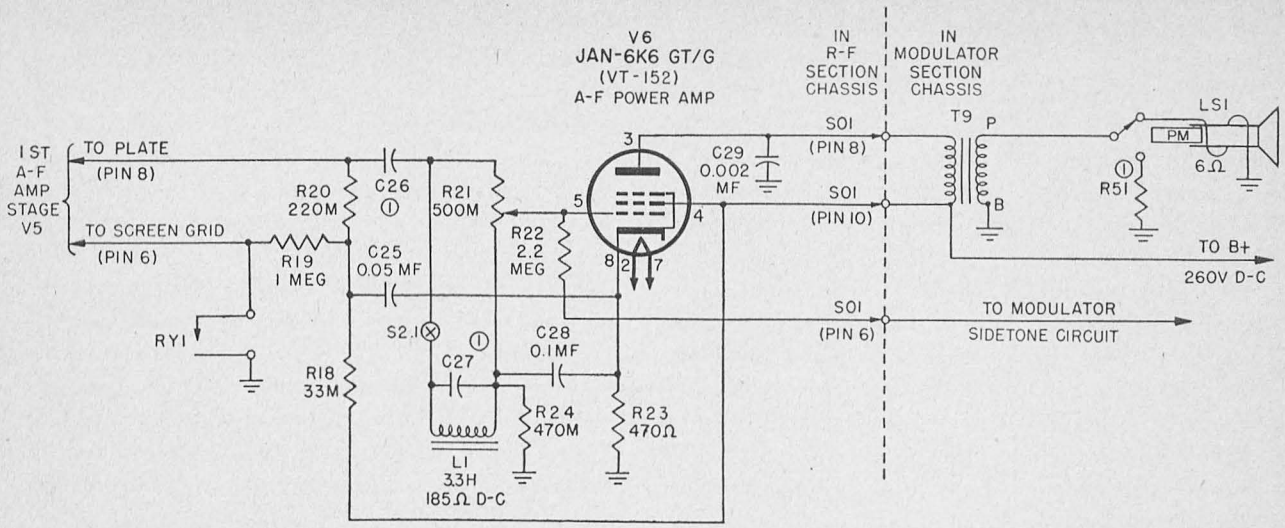
NOTE:

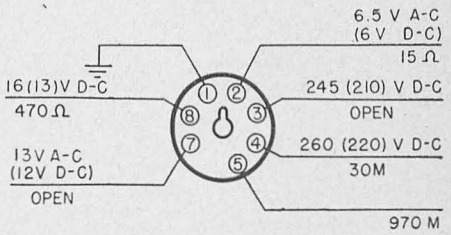
IS SYMBOL FOR FIXED CAPACITOR

IS SYMBOL FOR VARIABLE CAPACITOR

M = 1,000 OHMS

Figure 33. Radio Receiver and Transmitter BC-669-(*), audio-voltage amplifier stage, schematic diagram.





①

MODEL	C26	C27	R51
BC-669-A	0.005 MF	0.0075 MF	100Ω 33Ω
BC-669-B	0.006 MF	0.007 MF	6Ω
BC-669-C	0.005 MF	0.0075 MF	6Ω

VALUES IN ( ) ARE FOR VIBRAPACK OPERATION

FOR TEST CONDITIONS SEE PARAGRAPH 23.

TL 19710

NOTE:

⊣⊢ IS SYMBOL FOR FIXED CAPACITOR

⊣⊢ IS SYMBOL FOR VARIABLE CAPACITOR

M = 1,000 OHMS

Figure 34. Radio Receiver and Transmitter BC–669–(*), audio-power amplifier stage, schematic diagram.

c. PARTS DATA.

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C29 A*	3DA2–71	CAPACITOR: 0.002 mf ±20%; 800 vdcw; molded mica; postage stamp type.....	V6 plate bypass.
C29 B,C*	3DA2–71	CAPACITOR: 0.002 mf ±10%; 2,500 vdcw; molded mica	V6 plate bypass.
C30 A,B*	3DA50–57	CAPACITOR: 0.05 mf —10% +20%; 600 vdcw; molded paper	V6 screen bypass.
C30 C	3DA50–57	CAPACITOR: 0.05 mf ±20%; 600 vdcw; molded paper	V6 screen bypass.
R22	3Z6802A2–9	RESISTOR: 2.2 megohms ±20%; ½ watt; insulated carbon	Sidetone coupling.
R23	3Z6047–7	RESISTOR: 470 ohms ±10%; 2 watts; insulated carbon	V6 cathode bias.
R47	3Z6001 E 5–2 ..	RESISTOR: 15 ohms ±10%; 10 watts.....	V6 fil dropping.
V6	.....	TUBE, JAN–6K6GT/G, (VT–152)	Rcvr audio-power output.
V6 B,C*	.....	TUBE, JAN–6K6GT/G, (VT–1252)	Rcvr audio-power output.

* Applies only to indicated models.

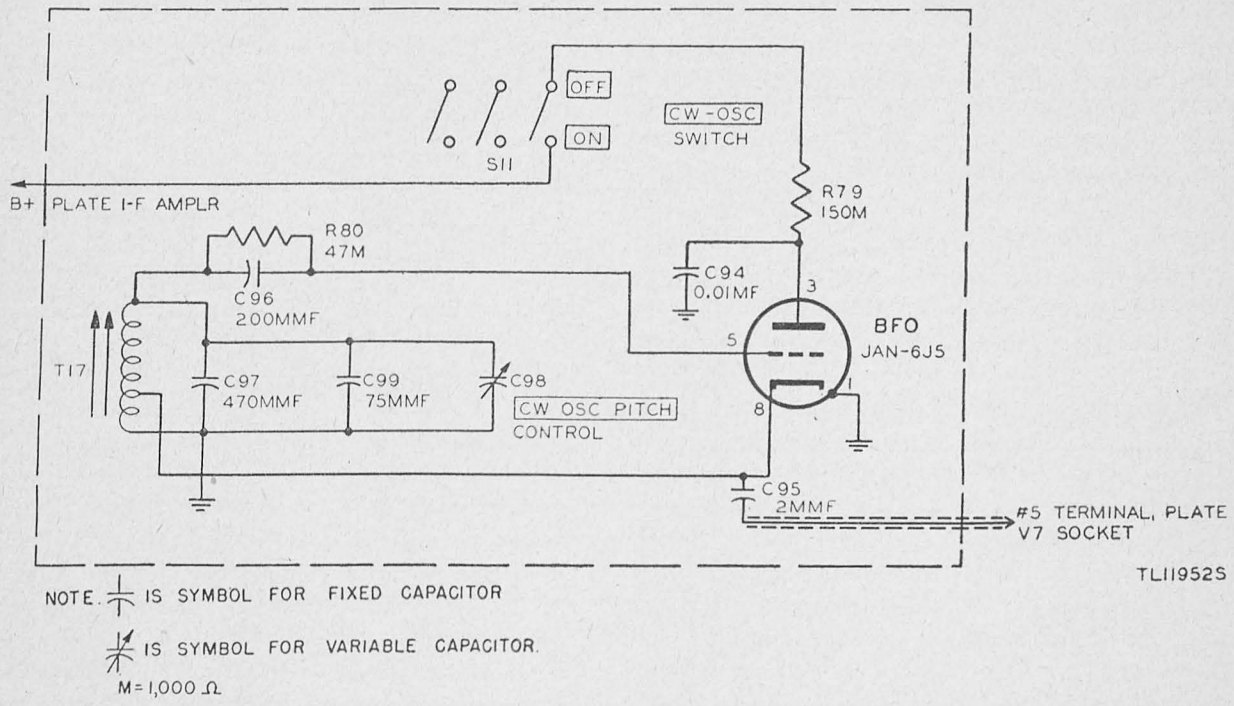


Figure 35. Radio Receiver and Transmitters BC-669-AM, -BM, and -CM, beat-frequency oscillator stage.

d. PARTS DATA (Receiver).

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C94	(*)		Plate bypass capacitor.
C95	3D9003-12	CAPACITOR: fixed; mica; 3 mf; ±20%; 500 vdcw; Dubilier type 5WLS	Coupling capacitor.
C96	.....	CAPACITOR: Same as C95	Grid coupling capacitor.
C97	3K2551143	CAPACITOR: fixed; silver mica; 500 mf; ±2%; 300 vdcw; JAN type CM25D50011G	Padding capacitor.
C98	.....	CAPACITOR: Same as C97	Pitch control capacitor.
C99	(*)		Padding capacitor.
R79	3RC21BE154M..	RESISTOR: fixed; carbon; 150,000 ohms; ±20%; ½ watt	Plate voltage-dropping resistor.
R80	(*)		Grid bias resistor.
S1.1	3Z9825-80.2	SWITCH: rotary; selector; 7 pole; 4-position; 3-section; Erla No. 13848 (for model C only)	Circuit selector.
T17	2Z9641.182	COIL ASSEMBLY: radio; bfo; iron core; Erla No. 16117	B-f-o plate inductance.
VT-94	2J6J5	TUBE: JAN-6J5	Oscillator tube.

* Indicates stock not available.

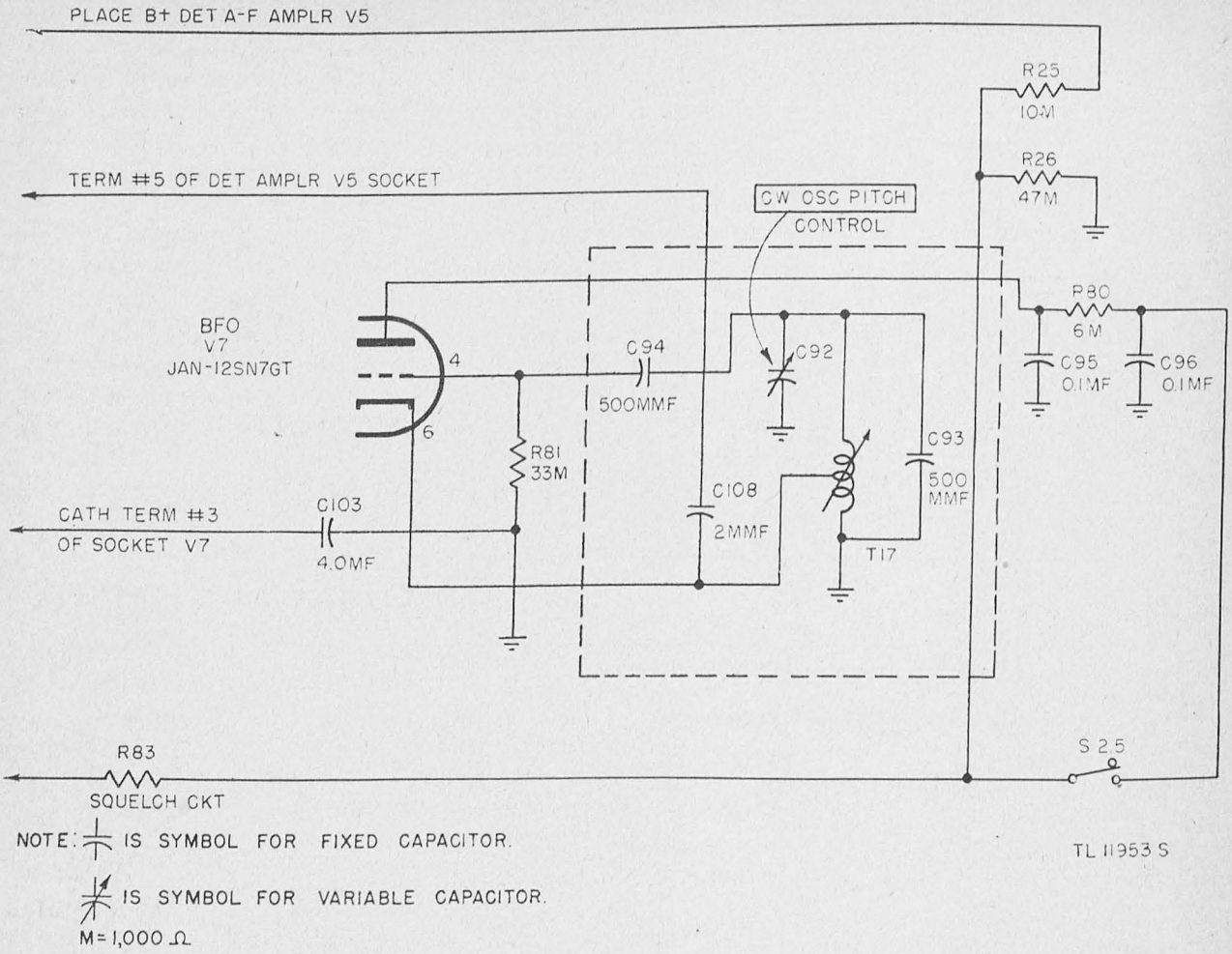
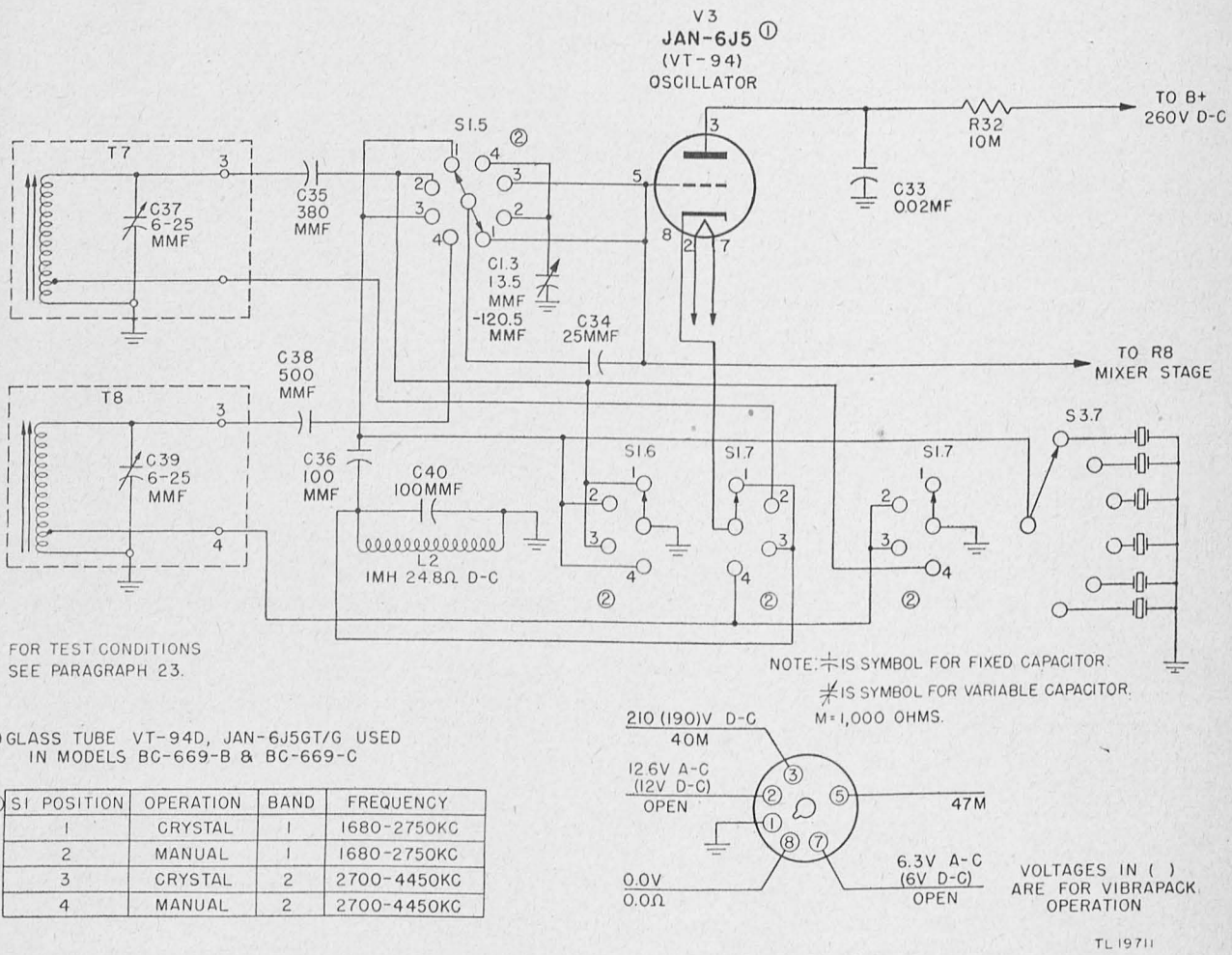


Figure 36. Radio Receiver and Transmitter BC–669–D, beat-frequency oscillator stage.

c. Parts Data (Model D) (Receiver.)

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C92	(*)		Pitch control capacitor.
C93	3K2551143	CAPACITOR: fixed; silver mica; 500 mmf; ±2%; 300 vdcw; JAN type CM25D50011G	Padding capacitor.
C94		CAPACITOR: Same as C93.	Grid coupling capacitor.
C95	3DA100–112.1	CAPACITOR: fixed; paper; 0.1 mf ±20%; 100 vdcw molded mica; type 345–21	Filter capacitor.
C96		CAPACITOR: Same as C95	Filter capacitor.
C103	3DB4–165	CAPACITOR: fixed; paper; 4 mf +14% —6%; 50 vdcw; Gudeman No. 7541	Cathode coupling capacitor.
R25	3Z6610–70	RESISTOR: fixed; wire-wound; 10,000 ohms ±10%; 10 watt; Utah type VWQ	Plate voltage-dropping resistor.
R26	3RC21BE473K	RESISTOR: fixed; carbon; 47,000 ohms, ±10%; 1 watt	Voltage regulating resistor.
R80	3RC21BE622	RESISTOR; fixed; carbon; 6,000 ohms, ±10%; ½ watt	Resistance filter.
R81	3RC21BE333M	RESISTOR: fixed; carbon; 33,000 ohms, ±20%; ½ watt	Grid leak resistor.
R83	3RC21BE224K	RESISTOR: fixed; carbon; 220,000 ohms, ±10%; ½ watt	Squelch cathode voltage dropping.
T17	2Z9641.182	COIL ASSEMBLY: radio; bfo; iron core; Erla No. 16117	B-f-o plate inductance.
S2.5	3Z9825–62.170	SWITCH: rotary; 2 position; 6 pole; Erla No. 16101	Circuit selector.
V7	2J12SN7GT	TUBE: JAN–12SN7GT	Oscillator tube.

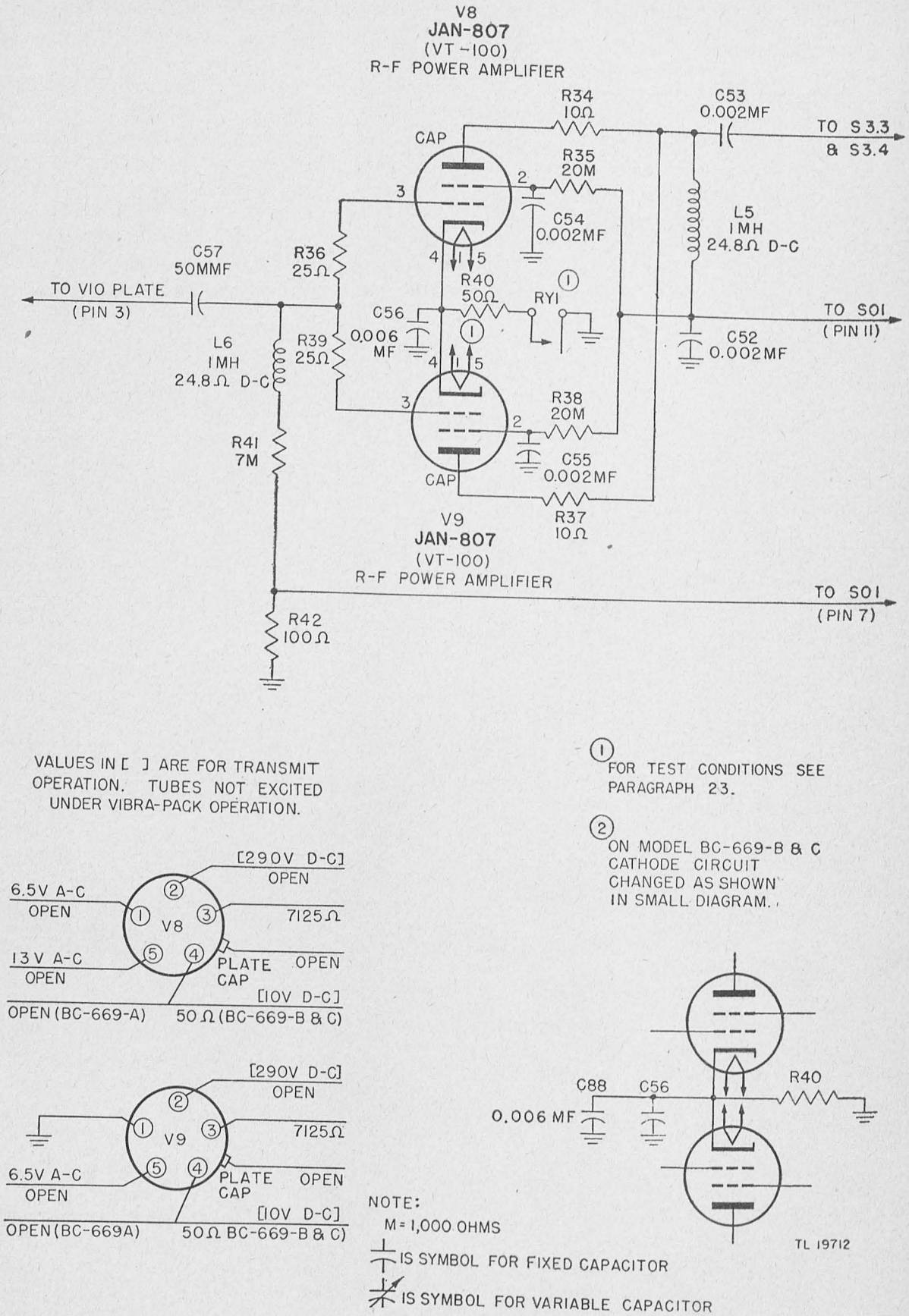
* Indicates stock not available.



① GLASS TUBE VT-94D, JAN-6J5GT/G USED IN MODELS BC-669-B & BC-669-C

② S1 POSITION	OPERATION	BAND	FREQUENCY
1	CRYSTAL	1	1680-2750KC
2	MANUAL	1	1680-2750KC
3	CRYSTAL	2	2700-4450KC
4	MANUAL	2	2700-4450KC

Figure 37. Radio Receiver and Transmitter BC-669-(*), transmitter oscillator stage, schematic diagram



VALUES IN [ ] ARE FOR TRANSMIT OPERATION. TUBES NOT EXCITED UNDER VIBRA-PACK OPERATION.

(1) FOR TEST CONDITIONS SEE PARAGRAPH 23.

(2) ON MODEL BC-669-B & C CATHODE CIRCUIT CHANGED AS SHOWN IN SMALL DIAGRAM.

NOTE:
M = 1,000 OHMS
⊣⊢ IS SYMBOL FOR FIXED CAPACITOR
⊣/⊢ IS SYMBOL FOR VARIABLE CAPACITOR

Figure 38. Radio Receiver and Transmitter BC-669-(*), transmitter r-f amplifier stage, schematic diagram.

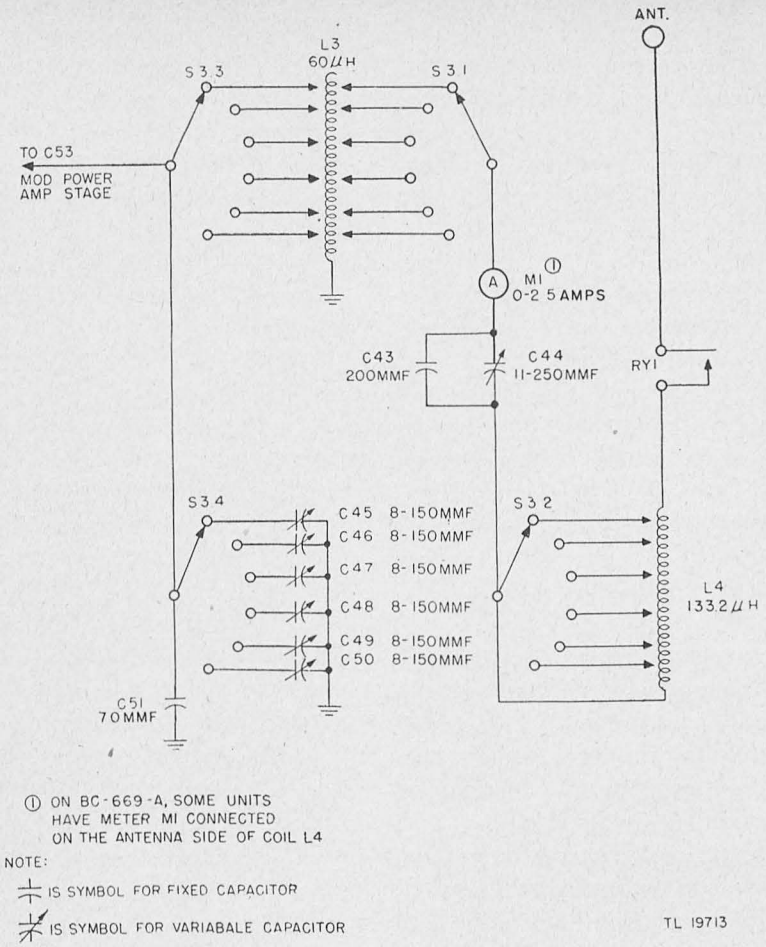


Figure 39. Radio Receiver and Transmitter BC–669–(*), transmitter antenna coupling stage, schematic diagram.

c. PARTS DATA.

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C43	3D9200–37	CAPACITOR: 200 mmf ±5%; 1,430 vacw; 3.5 amps r-f @ 3,000 kc; molded mica	Shunt capacitor for C44.
C44	3D925CV–1	CAPACITOR: 11 mmf to 250 mmf; variable, air	Transmitter ant. tuning.
L4	3C4003–1	COIL ASSEMBLY, r-f: 133.2 mh; special	Transmitter ant. loading.
M1	3F511	AMMETER: 0 to 2.5 amps r-f; thermocouple type; accuracy ±2% full scale to 6 mc	Ant. current indicator.
RY1 A,C* ...	2Z7638.3/1	RELAY: DPDT plus one set of normally open contacts; coil 115 v, 60 cps ac; special	Antenna change-over.
RY1 B*	2Z7638.3/1	RELAY: DPDT plus one set of normally open contacts; coil 115 v, 60 cps ac; special	Antenna change-over.
S3.2	3Z9825–62.25 ...	SWITCH ASSEMBLY: single-section ceramic; 6-position through 360°	L4 switching.

[1] Applies only to models indicated.

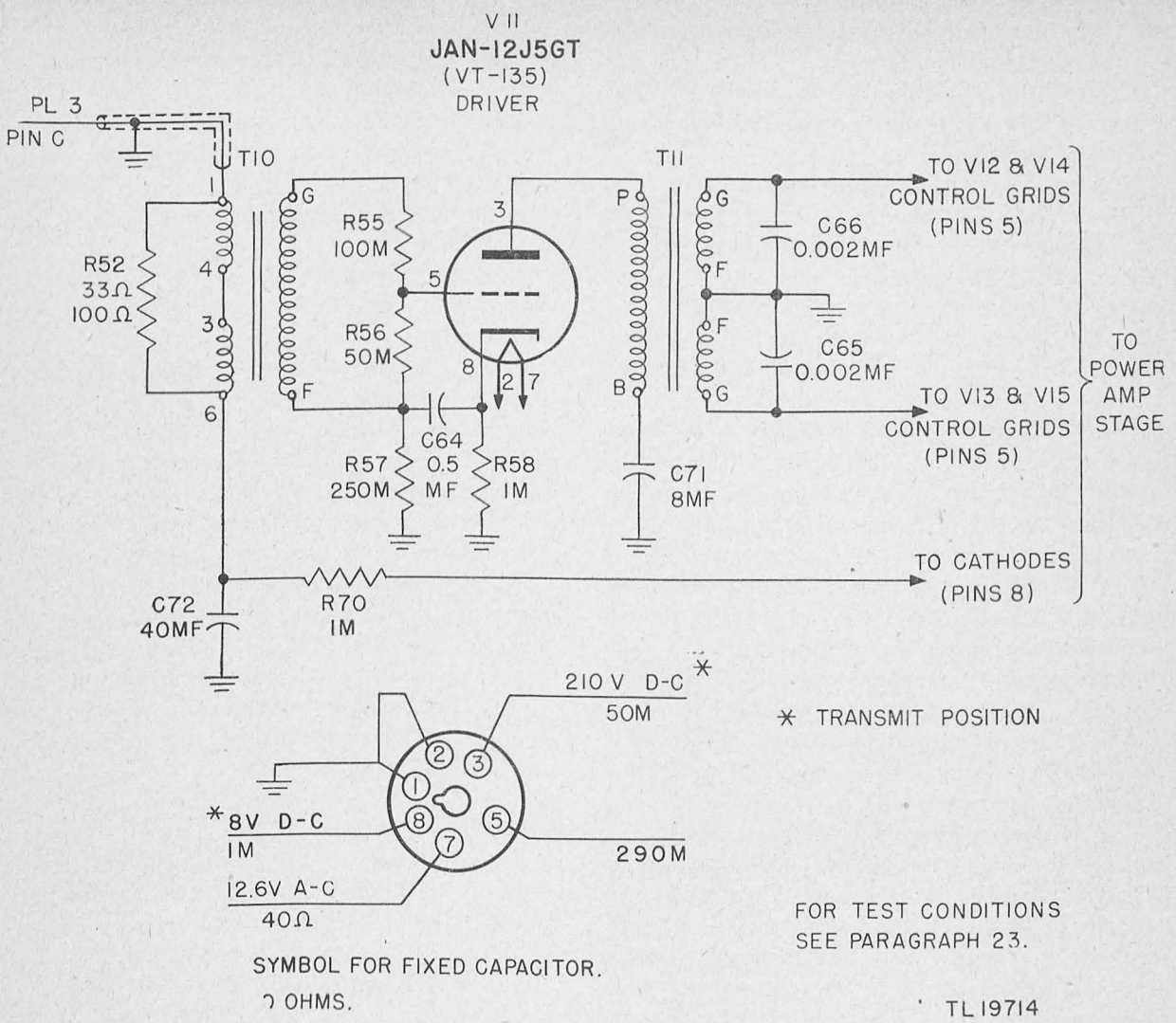


Figure 40. Radio Receiver and Transmitter BC-669-(*), modulator low-level microphone voltage amplifier stage, schematic diagram.

c. PARTS DATA.

Ref. symbol	Signal Corps stock No.	Name of part and description	Function
C64	3DA500-73	CAPACITOR: 0.5 mf +14% −6%; 200 vdcw; paper, oil-filled; bathtub type	V11 cathode bypass.
C72	3DB40-17	CAPACITOR: dual; 40 mf, +65% −0; 100 vdcw; dry electrolytic tubular 5-pin plug-in	V12, V13, V14, V15, cathode bypass.
R52	3Z6010-18	RESISTOR: 100 ohms ±10%; ½ watt; insulated wire-wound	T10 pri load.
R52	3Z6010-18	RESISTOR: 35 ohms ±10%; 2 watts; insulated carbon	T10 pri load.
R55	3Z6010-18	RESISTOR: 100,000 ohms ±10%; ½ watt; insulated carbon	V11 input voltage divider.
R56	3Z6650-45	RESISTOR: 50,000 ohms ±10%; ½ watt; insulated carbon	V11 grid load.
R57	3Z6725-17	RESISTOR: 250,000 ohms ±10%; ½ watt; insulated carbon	V11 grid circuit filter.
R58	3Z4525	RESISTOR: 1,000 ohms ±10%; ½ watt; insulated carbon	V11 cathode bias.
R70	3Z6100-34	RESISTOR: 1,000 ohms ±10%; 2 watts; insulated wire-wound	Mic voltage filter and dropping.
T10	2Z9631.45	TRANSFORMER: microphone; pri to match 400-ohm carbon microphone; sec to match single class A grid; metal case	Microphone T-24-( ) input to V11 grid.
V11		TUBE: JAN-12J5GT, VT-135	Modulator driver.
V11 B,C*		TUBE: JAN-12J5GT, VT-135	Modulator driver.

* Applies only to models indicated.

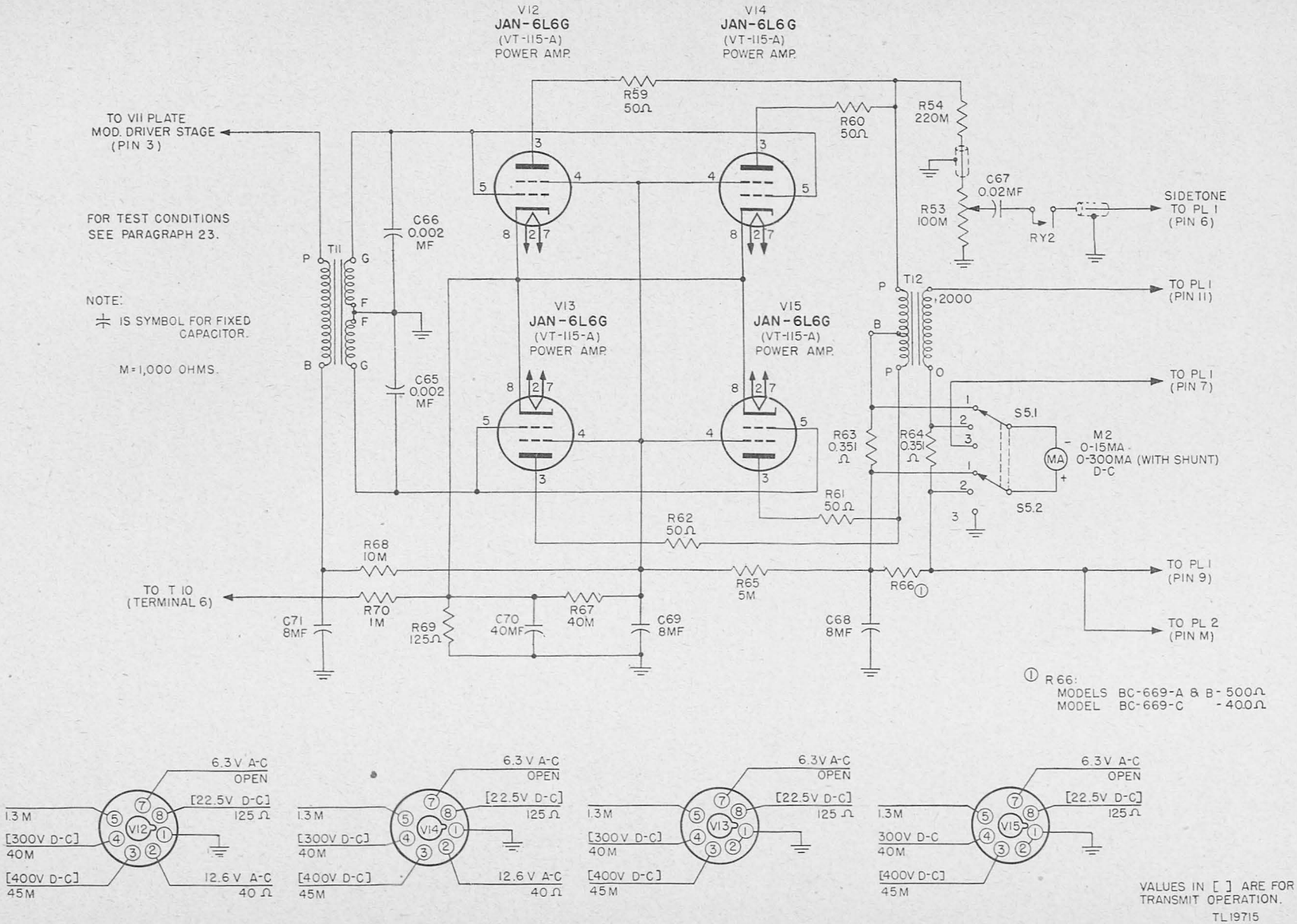
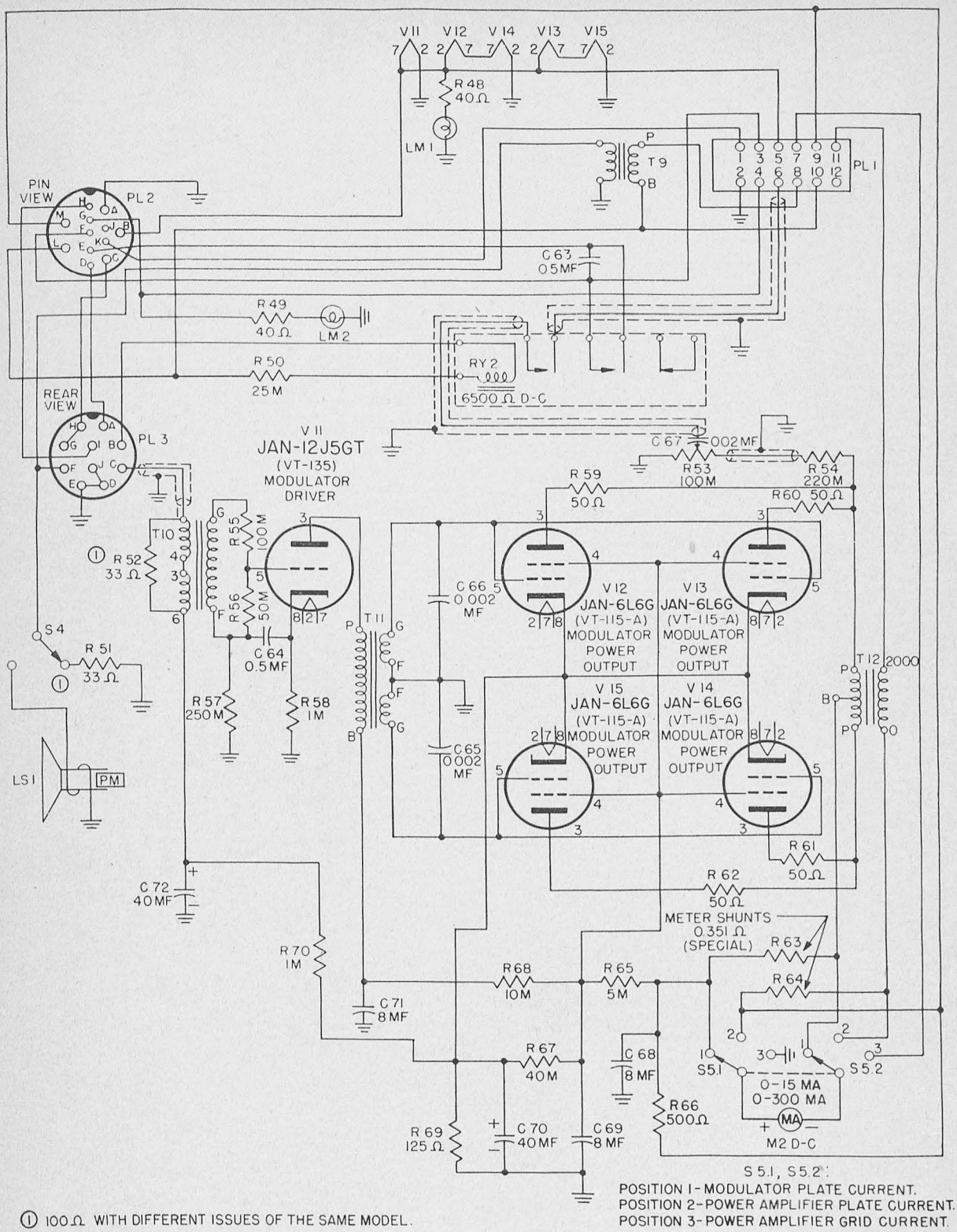


Figure 41. Radio Receiver and Transmitter BC–669–(*), modulator class AB1–af power-amplifier stage, schematic diagram



S 5.1, S 5.2:
POSITION 1 - MODULATOR PLATE CURRENT.
POSITION 2 - POWER AMPLIFIER PLATE CURRENT.
POSITION 3 - POWER AMPLIFIER GRID CURRENT.

TL 19724

① 100Ω WITH DIFFERENT ISSUES OF THE SAME MODEL.

NOTE:

⊣⊢ IS SYMBOL FOR FIXED CAPACITOR

⊣⊢ IS SYMBOL FOR VARIABLE CAPACITOR

M = 1,000 OHMS

Figure 48. Radio Receiver and Transmitter BC-669-A, modulator section, schematic diagram.

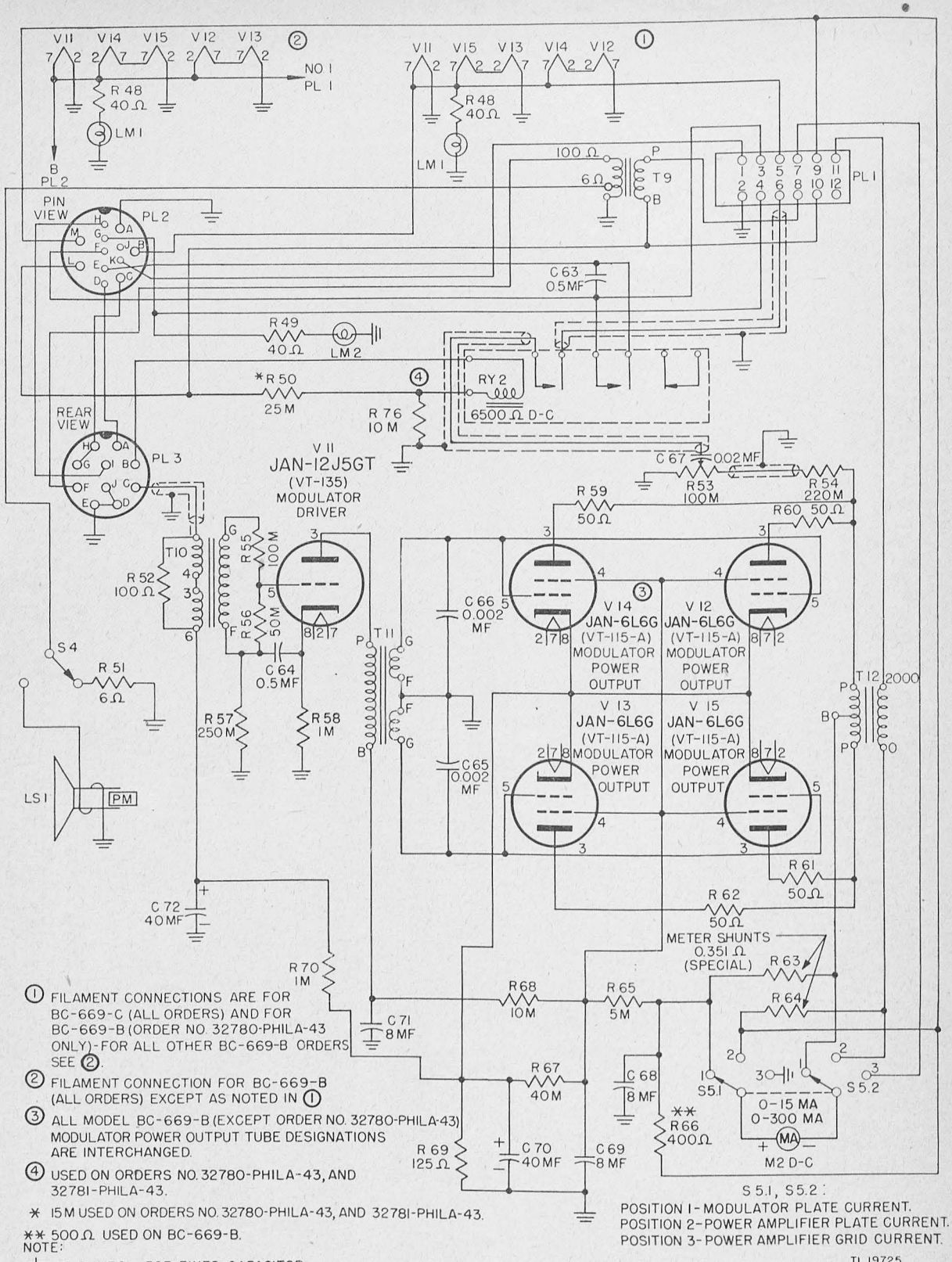


Figure 49. Radio Receiver and Transmitter BC–669–B and –C, modulator section, schematic diagram.

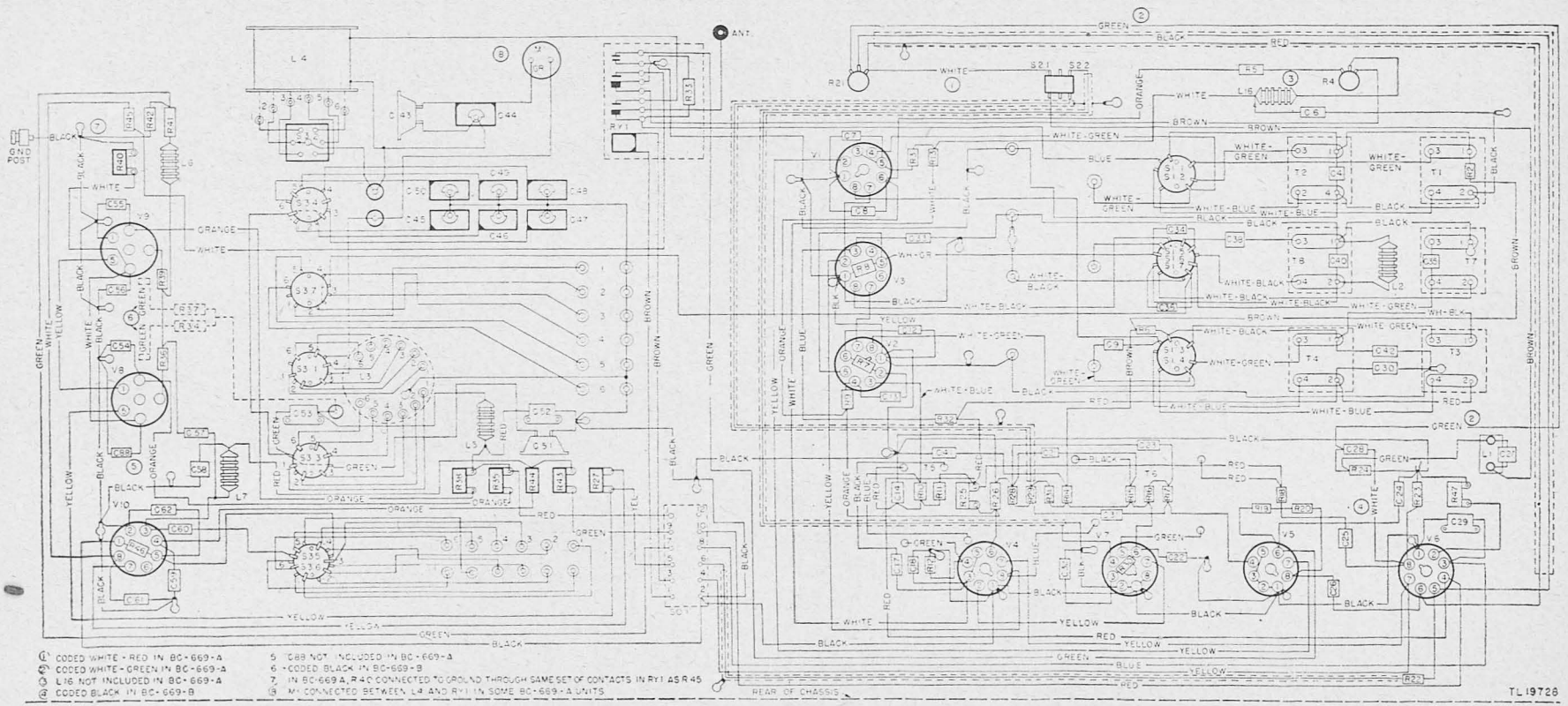


Figure 50. Radio Receiver and Transmitter BC–669–A, –B, and –C, receiver and transmitter, practical wiring diagram.

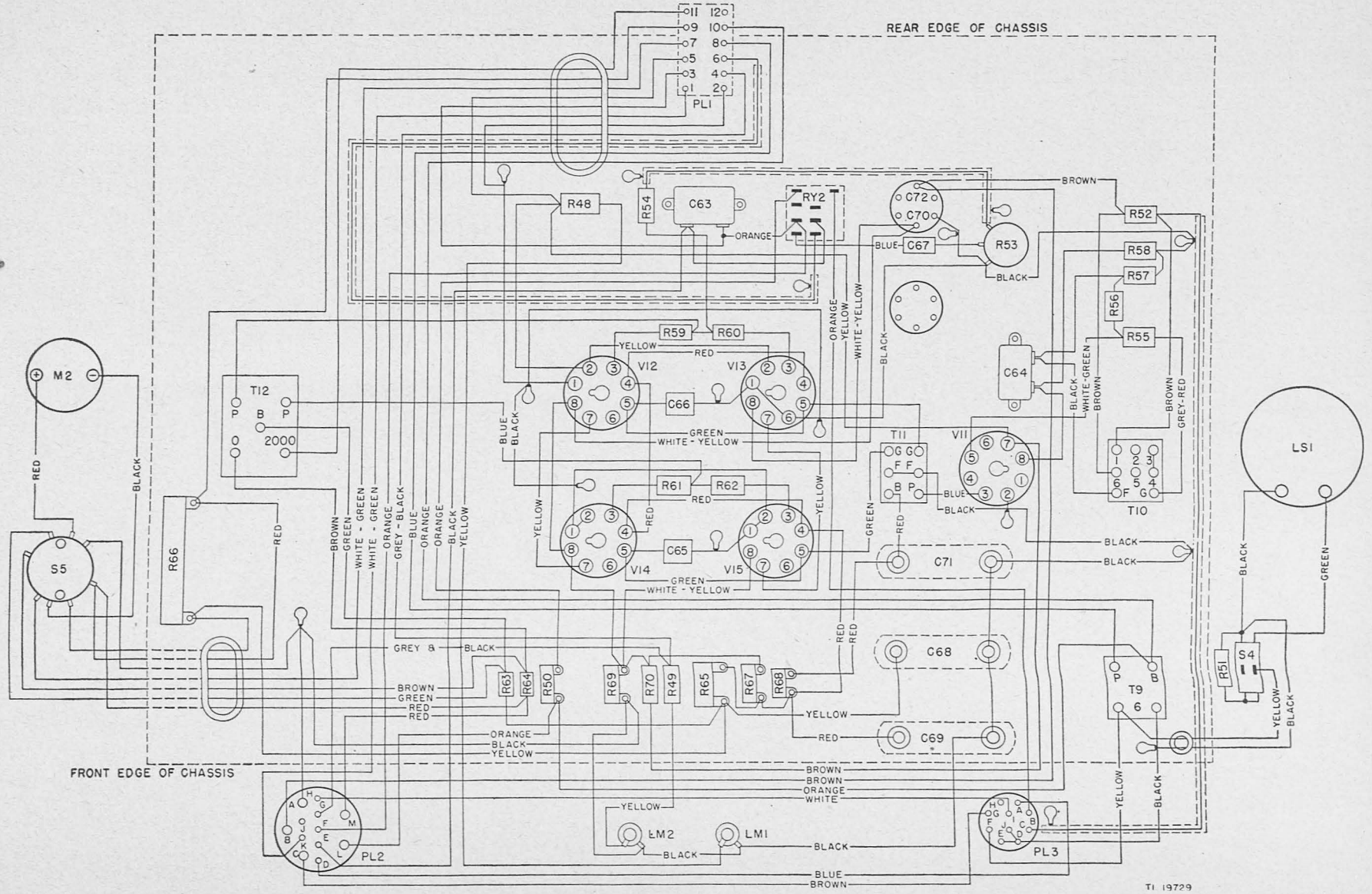


Figure 51. Radio Receiver and Transmitter BC–669–A, modulator section, practical wiring diagram.

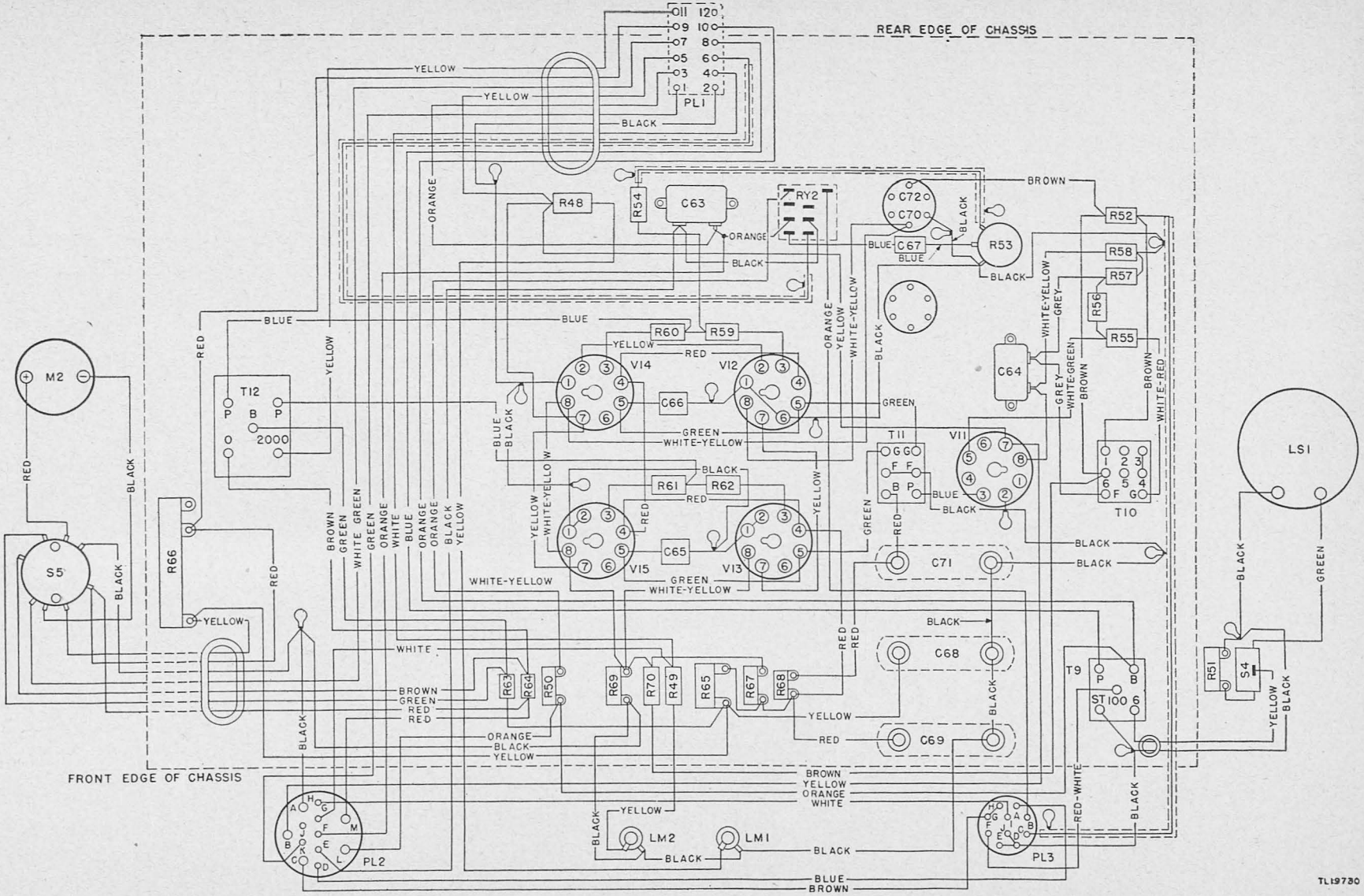
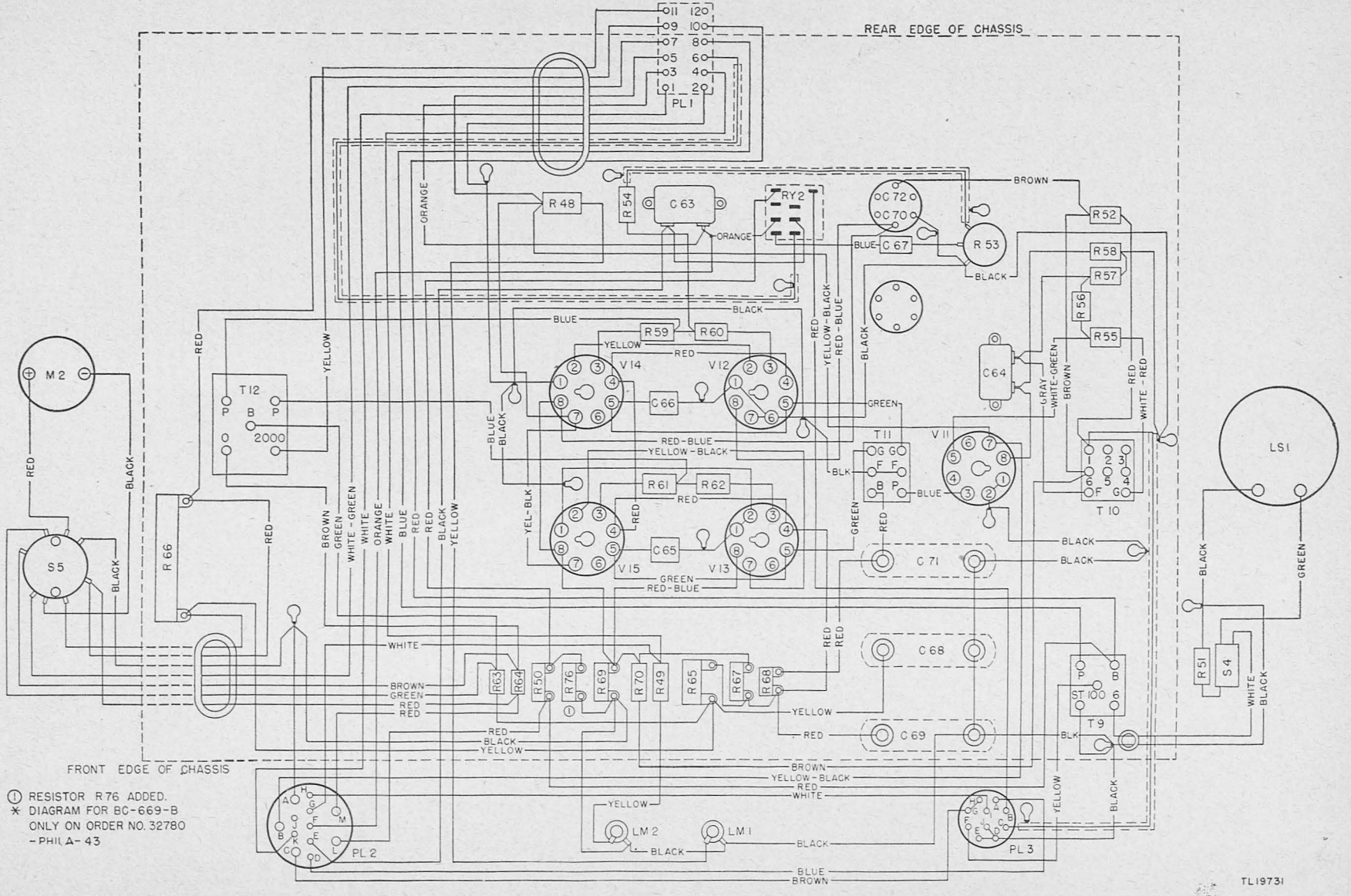


Figure 52. Radio Receiver and Transmitter BC–669–B, modulator section, practical wiring diagram.



① RESISTOR R76 ADDED.
* DIAGRAM FOR BC-669-B ONLY ON ORDER NO. 32780 -PHILA-43

Figure 53. Radio Receiver and Transmitter BC–669–C, modulator section, practical wiring diagram.

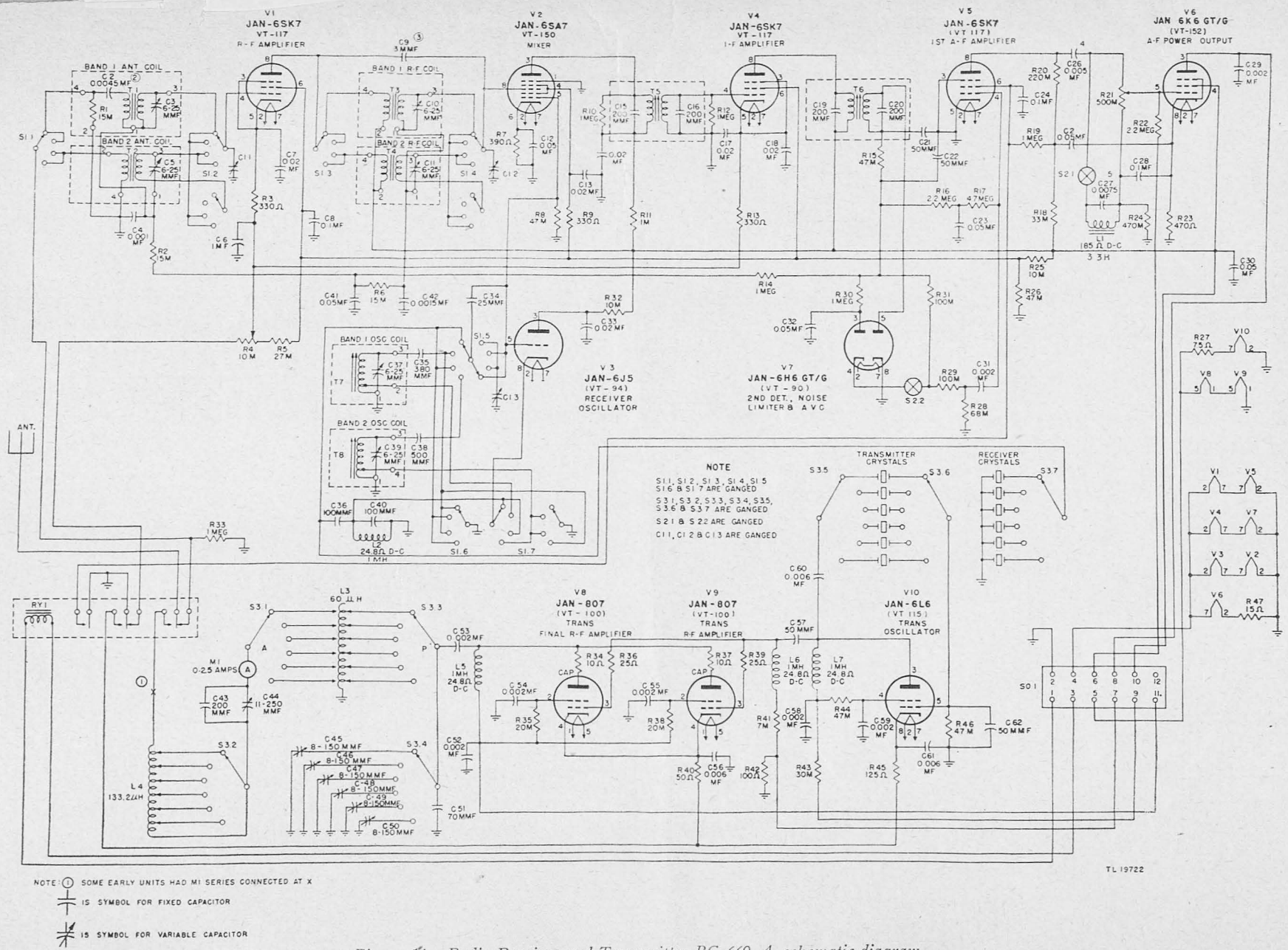
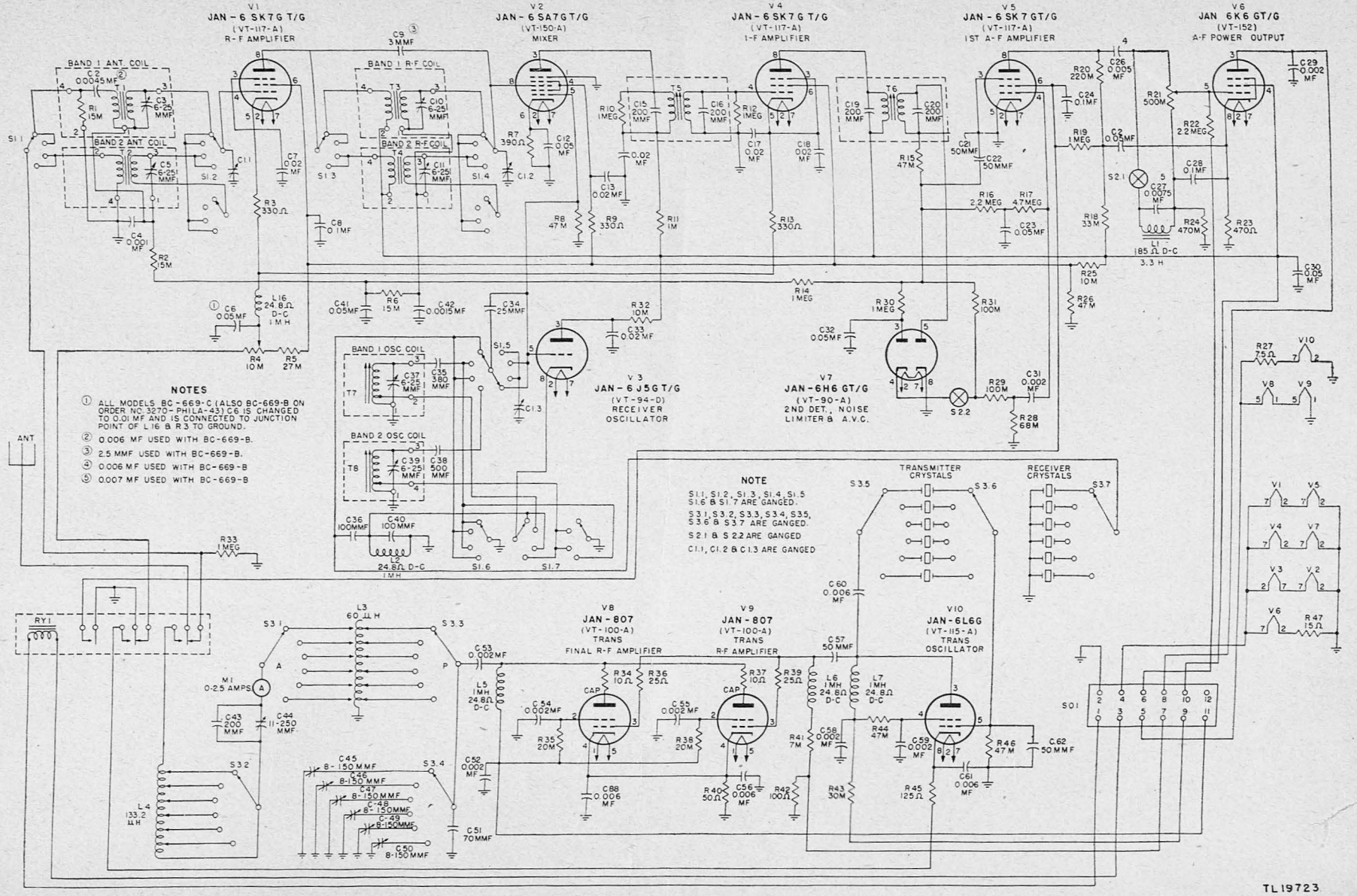


Figure 54. Radio Receiver and Transmitter BC-669-A, schematic diagram.



NOTES

① ALL MODELS BC-669-C (ALSO BC-669-B ON ORDER NO. 3270-PHILA-43) C6 IS CHANGED TO 0.01 MF AND IS CONNECTED TO JUNCTION POINT OF L16 & R3 TO GROUND.

② 0.006 MF USED WITH BC-669-B.

③ 2.5 MMF USED WITH BC-669-B.

④ 0.006 MF USED WITH BC-669-B

⑤ 0.007 MF USED WITH BC-669-B

NOTE

S1.1, S1.2, S1.3, S1.4, S1.5 S1.6 & S1.7 ARE GANGED.

S3.1, S3.2, S3.3, S3.4, S3.5, S3.6 & S3.7 ARE GANGED.

S2.1 & S2.2 ARE GANGED

C1.1, C1.2 & C1.3 ARE GANGED

NOTE: ⏚ IS SYMBOL FOR FIXED CAPACITOR.

✱ IS SYMBOL FOR VARIABLE CAPACITOR.

Figure 55. Radio Receiver and Transmitter BC-669-B and -C, schematic diagram.

REF SYMBOL	VALUE	RATING
$C_{1.1}$	107.6 MMF	
$C_{1.2}$	107.6 MMF	
$C_{1.3}$	107.6 MMF	
C_2	0.018 MF	300 VDCW
C_3	6-25 MMF (VARIABLE)	500 VDCW
C_4	1,000 MMF	
C_5	6-25 MMF (VARIABLE)	200 VDCW
C_6	BC-669-A, 1 MF	400 VDCW
	BC-669-B, 0.05 MF	400 VDCW
	BC-669-C, 0.01 MF	400 VDCW
C_7	0.02 MF	400 VDCW
C_8	0.1 MF	
C_9	BC-669-A AND -C, 3 MMF	500 VDCW
	BC-669-B, 2.5 MMF	500 VDCW
C_{10}	6-25 MMF (VARIABLE)	
C_{11}	6-25 MMF (VARIABLE)	
C_{12}	0.05 MF	400 VDCW
C_{13}	0.02 MF	600 VDCW
C_{14}	0.02 MF	500 VDCW
C_{15}	200 MMF	500 VDCW
C_{16}	200 MMF	400 VDCW
C_{17}	0.02 MF	400 VDCW
C_{18}	0.02 MF	500 VDCW
C_{19}	200 MMF	500 VDCW
C_{20}	200 MMF	500 VDCW
C_{21}	50 MMF	500 VDCW
C_{22}	50 MMF	400 VDCW
C_{23}	0.05 MF	400 VDCW
C_{24}	0.01 MF	500 VDCW
C_{25}	0.05 MF	600 VDCW
C_{26}	5,000 MMF	
C_{27}	BC-669-A AND -C, 7,500 MMF	300 VDCW
	BC-669-B, 7,000 MMF	400 VDCW
	0.1 MF	400 VDCW
C_{28}	2,000 MMF	2,500 VDCW
C_{29}	0.05 MF	500 VDCW
C_{30}	2,000 MMF	600 VDCW
C_{31}	0.05 MF	400 VDCW
C_{32}	0.02 MF	600 VDCW
C_{33}	25 MMF	500 VDCW
C_{34}	380 MMF	300 VDCW
C_{35}	100 MMF	500 VDCW
C_{36}	6-25 MMF (VARIABLE)	
C_{37}	500 MMF	500 VDCW
C_{38}	6-25 MMF (VARIABLE)	
C_{39}	100 MMF	500 VDCW
C_{40}	0.05 MF	400 VDCW
C_{41}	1,500 MMF	500 VDCW
C_{42}	200 MMF	1,430 VACW
C_{43}	11-250 MMF (VARIABLE)	
C_{44}	8-150 MMF (VARIABLE)	
C_{45}	8-150 MMF (VARIABLE)	
C_{46}	8-150 MMF (VARIABLE)	
C_{47}	8-150 MMF (VARIABLE)	
C_{48}	8-150 MMF (VARIABLE)	
C_{49}	8-150 MMF (VARIABLE)	
C_{50}	70 MMF	1,140 VACW
C_{51}	2,000 MMF	2,500 VDCW
C_{52}	2,000 MMF	2,500 VDCW
C_{53}	2,000 MMF	2,500 VDCW
C_{54}	2,000 MMF	2,500 VDCW
C_{55}	6,000 MMF	400 VDCW
C_{56}	50 MMF	500 VDCW
C_{57}	2,000 MMF	600 VDCW
C_{58}	2,000 MMF	600 VDCW
C_{59}	6,000 MMF	600 VDCW
C_{60}	6,000 MMF	600 VDCW
C_{61}	50 MMF	500 VDCW
C_{62}	6,000 MMF	600 VDCW
C_{63}	2,000 MMF	2,500 VDCW
C_{64}	2,000 MMF	2,500 VDCW
C_{65}	6,000 MMF	400 VDCW
C_{66}	50 MMF	500 VDCW
C_{67}	2,000 MMF	600 VDCW
C_{68}	2,000 MMF	600 VDCW
C_{69}	6,000 MMF	600 VDCW
C_{70}	50 MMF	500 VDCW
C_{71}	6,000 MMF	600 VDCW

REF SYMBOL	VALUE	RATING
R_1	15,000 OHMS	1/2 W
R_2	15,000 OHMS	1/2 W
R_3	330 OHMS	1/2 W
R_4	10,000 OHMS (POTENTIOMETER)	
R_5	27,000 OHMS	1 W
R_6	15,000 OHMS	1/2 W
R_7	390 OHMS ±	1/2 W
R_8	47,000 OHMS	1/2 W
R_9	330 OHMS	1/2 W
R_{10}	1 MEGOHM	1/2 W
R_{11}	1,000 OHMS	1/2 W
R_{12}	1 MEGOHM	1/2 W
R_{13}	330 OHMS	1/2 W
R_{14}	1 MEGOHM	1/2 W
R_{15}	47,000 OHMS	1/2 W
R_{16}	2.2 MEGOHMS	1/2 W
R_{17}	4.7 MEGOHMS	1/2 W
R_{18}	33,000 OHMS	1/2 W
R_{19}	1 MEGOHM	1/2 W
R_{20}	220,000 OHMS	1/2 W
R_{21}	500,000 OHMS (POTENTIOMETER)	
R_{22}	2.2 MEGOHMS	1/2 W
R_{23}	470 OHMS	2 W
R_{24}	470,000 OHMS	1/2 W
R_{25}	10,000 OHMS	1/2 W
R_{26}	47,000 OHMS	1 W
R_{27}	7.5 OHMS	10 W
R_{28}	68,000 OHMS	1/2 W
R_{29}	100,000 OHMS	1/2 W
R_{30}	1 MEGOHM	1/2 W
R_{31}	100,000 OHMS	1/2 W
R_{32}	10,000 OHMS	2 W
R_{33}	1 MEGOHM	2 W
R_{34}	10 OHMS	2 W
R_{35}	20,000 OHMS	10 W
R_{36}	25 OHMS	1/2 W
R_{37}	10 OHMS	2 W
R_{38}	20,000 OHMS	10 W
R_{39}	25 OHMS	1/2 W
R_{40}	50 OHMS	10 W
R_{41}	7,000 OHMS	2 W
R_{42}	100 OHMS	1/2 W
R_{43}	15,000 OHMS	10 W
R_{44}	47,000 OHMS	1 W
R_{45}	125 OHMS	1/2 W
R_{46}	47,000 OHMS	1 W
R_{47}	15 OHMS	10 W
R_{78}	15 M	1/2 W
R_{79}	150 M	1/2 W
R_{80}	47 M	1/2 W
R_{81}	68 Ω	10 W
R_{82}	2,700 Ω	1/2 W
R_{83}	1,000 Ω	1/2 W
R_{84}	2,700 Ω	1/2 W

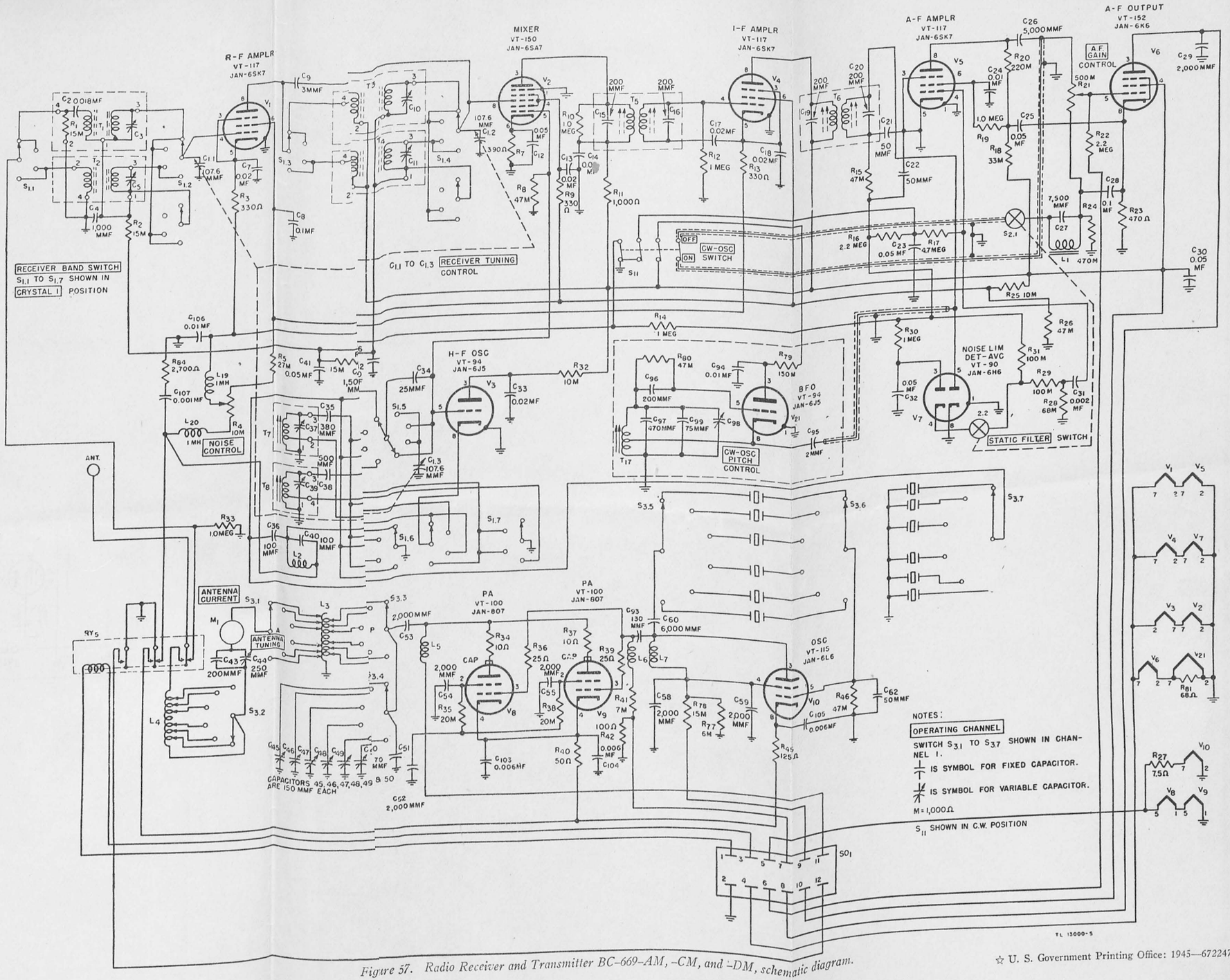


Figure 57. Radio Receiver and Transmitter BC-669-AM, -CM, and -DM, schematic diagram.

☆ U. S. Government Printing Office: 1945—672247