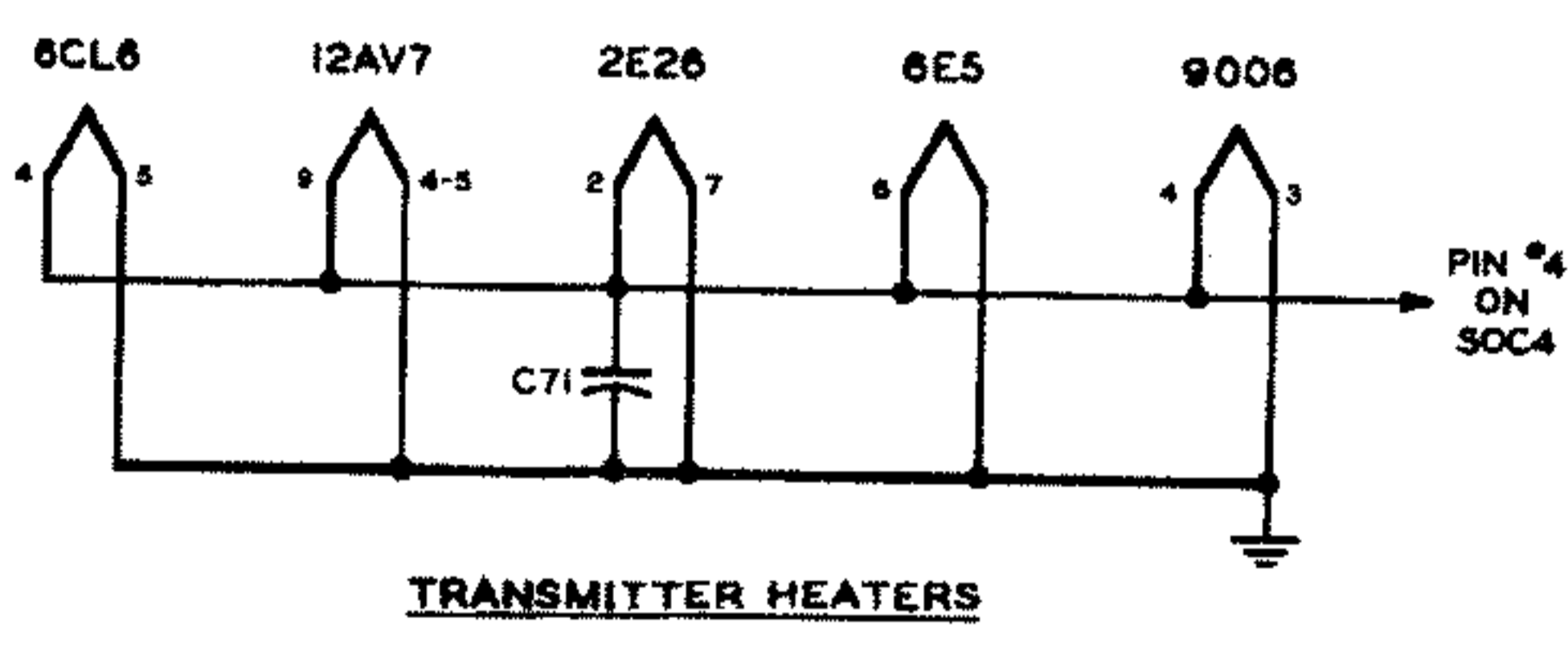


NOTE:
SWITCH #5 (SECTIONS F & R) AND
SWITCH #6 ARE SHOWN IN TRANS-
MIT POSITION.

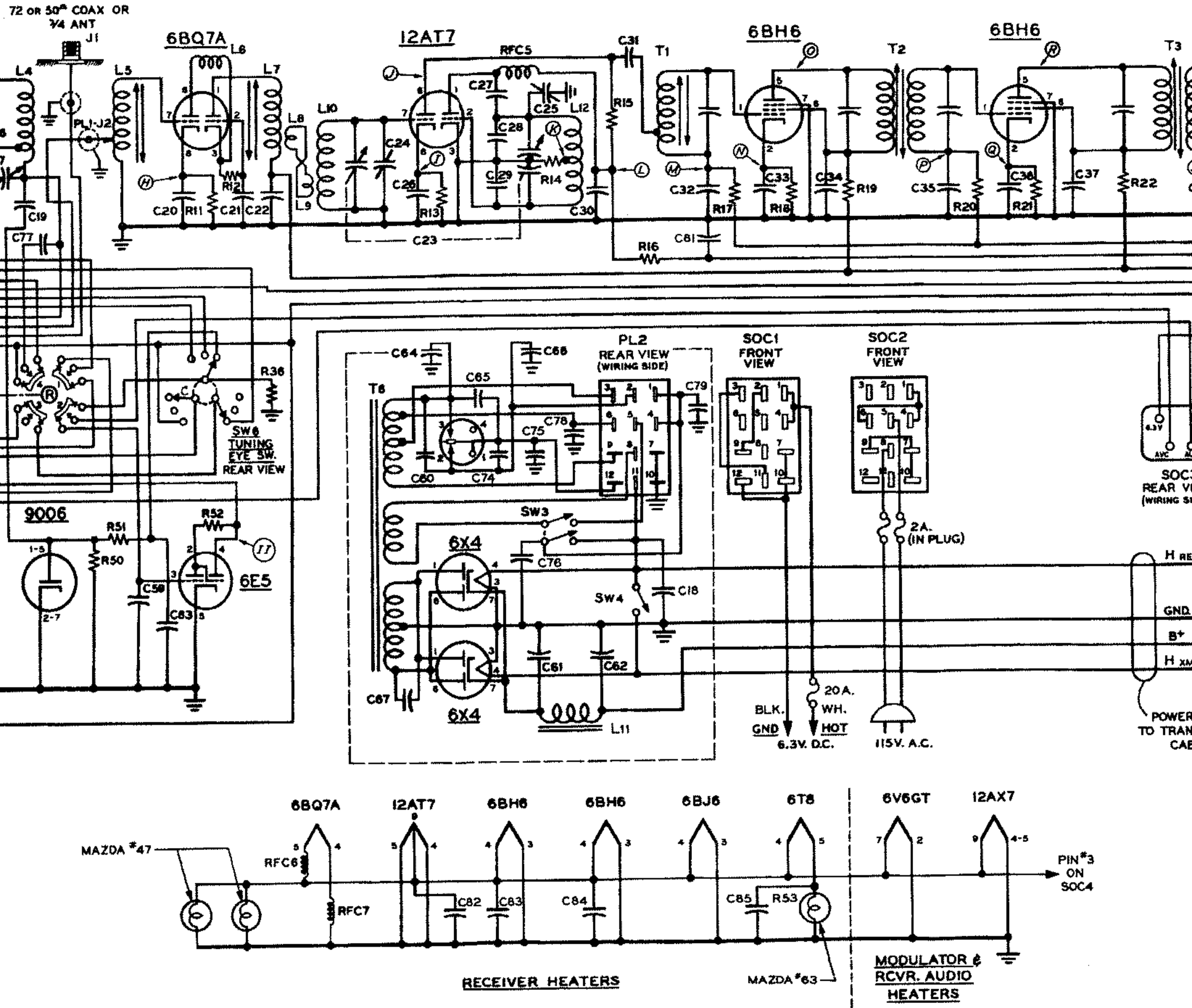


TRANSMITTER HEATERS

* VALUE CHANGED OR COMPONENT ADDED
IN PRODUCTION

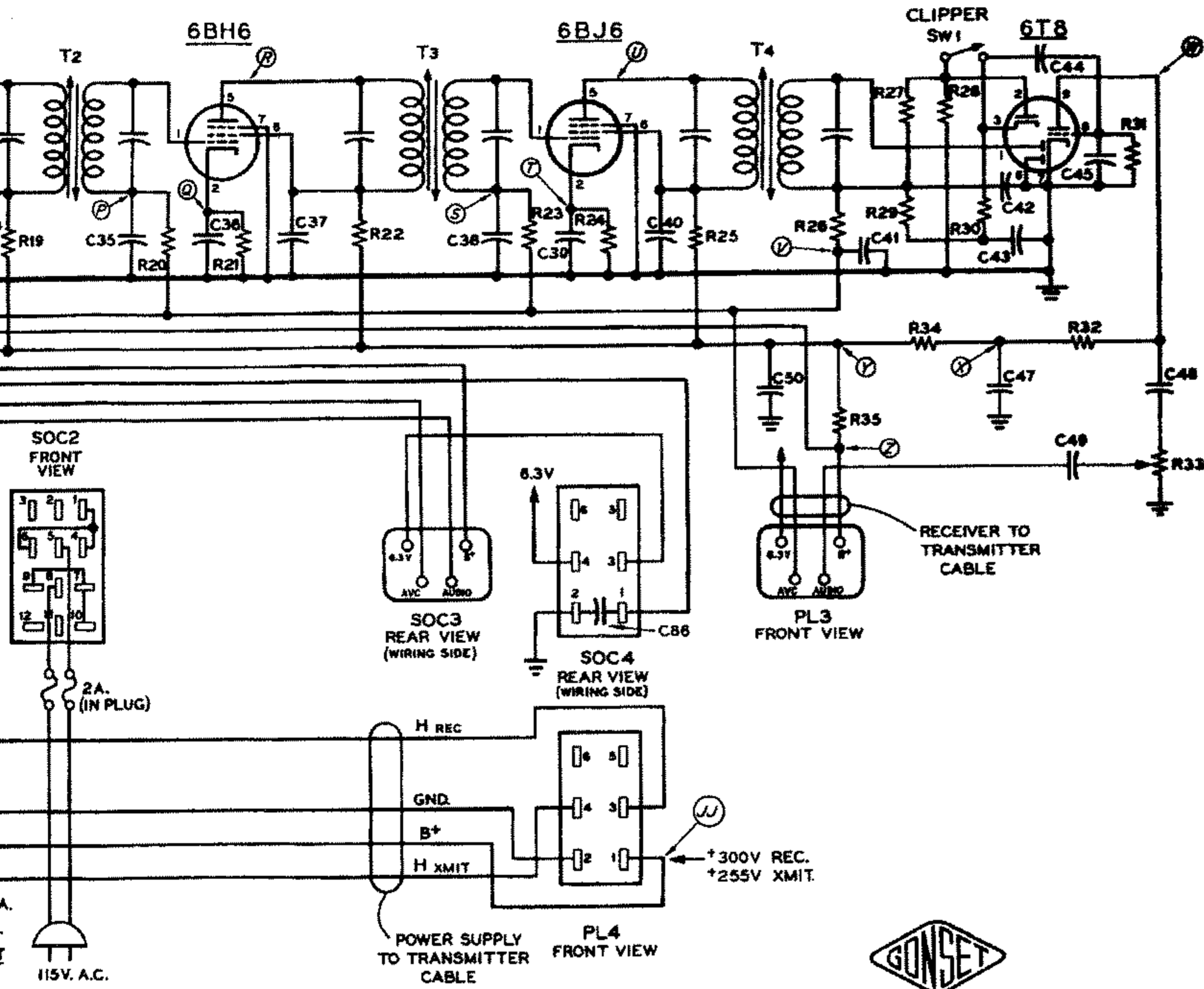
GONSET 2-METER CO

Components such as T1, T2 and others not listed below are special and
Fuses are 2 amp "slo-blo" for 115 volt operation (located in line plug)
input resistance exceeding 10 megohms and an isolating resistor in the p

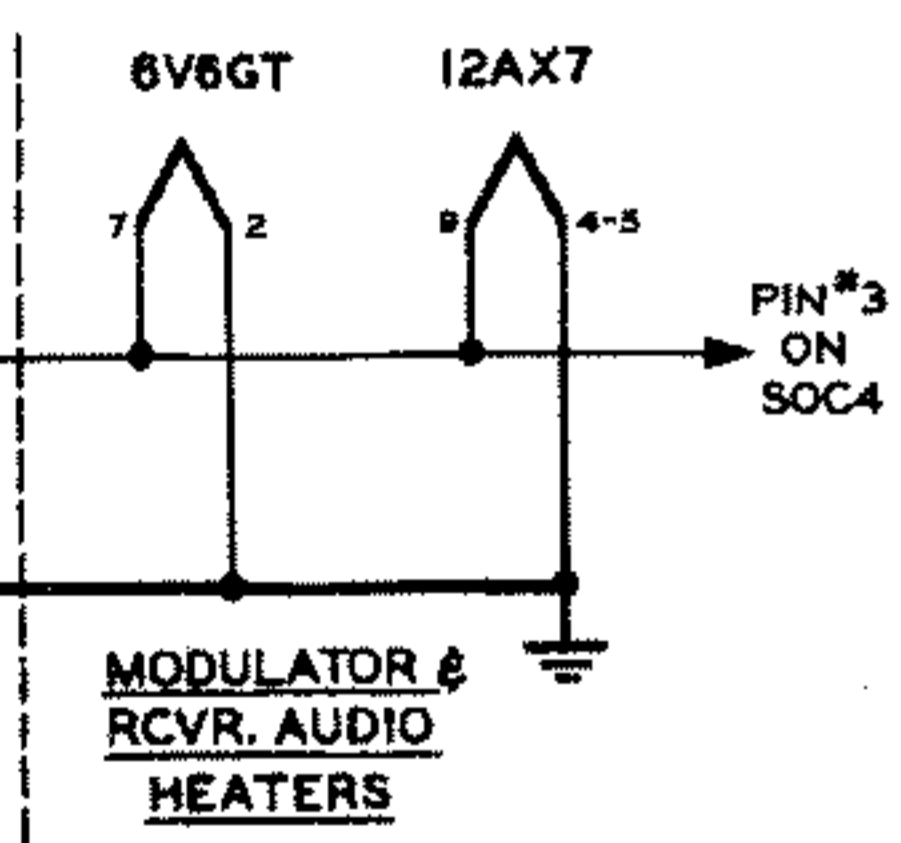


2-METER COMMUNICATOR SCHEMATIC DIAGRAM

and others not listed below are special and should be ordered by symbol designation. All resistor values are 10% tolerance. Intermediate frequency 115 volt operation (located in line plug) and 20 amp for 6 volt operation (in hot lead). Voltages should be measured with a diode type voltmeter, megohms and an isolating resistor in the probe (such as RCA voltohmst). On some units, sections 4-F and 4-R on switch SW5 have been transp



801 S. Main Street Burbank, California



ATIC DIAGRAM

are 10% tolerance. Intermediate frequency is 6 MC.
 uld be measured with a diode type voltmeter having a
 F and 4-R on switch SW5 have been transposed.

- SOC4 - 6 PIN SOCKET - JONES #S306-AB
 SOC3 - 4 PIN SOCKET - CINCH #2765
 J4 - P-A SPEAKER JACK - CINCH #8171
 J3 - MICROPHONE JACK - SWITCHCRAFT - JK-43
 SW2 - DPDT SLIDE SWITCH - WIRT #726
 J1 - UHF CONNECTOR- ANTENNA - AMPHENOL #83-1R OR SO-239
 HOOD - UHF CONNECTOR - AMPHENOL #83-765 OR UG-177/U
 SW5 - TRANSMIT-RECEIVE SWITCH - SPECIAL
 T5 - MODULATION TRANSFORMER - SPECIAL
 SW6 - TUNING EYE SWITCH - SPECIAL
 VIBRATOR - MALLORY #625C OR 825C
 VIBRATOR BASE CLAMP - MALLORY #GC7
 4 PIN SOCKET-VIBRATOR - AMPHENOL #77-MIP-4
 PL2 - 12 PIN CONNECTOR - JONES #P312-AB
 PL4 - 6 PIN CONNECTOR - JONES #P306-FHE
 SOC15 - 12 PIN SOCKET - JONES #S312-CCT
 SOC25 - FUSED PLUG - ELMENCO
 TUBE HOLD DOWN CLAMPS - REMLER #W73317
 SW4 - SPST SWITCH - CARLING #110 OR SMITH #510
 SW3 - DPST SWITCH - CARLING #216-6 OR SMITH #522
 T6 - POWER TRANSFORMER - SPECIAL
 L11 - CHOKE - MERIT #C2974
 SW1 - DPDT SWITCH - OAK MFG. #22
 PL3 - 4 PIN CONNECTOR - CINCH #2770

CONNECTOR	MATING CONNECTOR (Not Furnished)
J1	AMPHENOL #83-1SP
J3	PL-68
J4	CINCH #M-93

VOLTAGE CHART

All voltages measured with VTVM having input resistance of at least 10 megohms.

SYMBOL	TRANSMIT	RECEIVE
A	+1.3	
B	+185	
C	+255	
D	+2.7	
E	-42	
F	-40	
G	+165	
H		+1
I		+2
J		+42
K		-6.8
L		+133
M		-1.4
N		+2
O		+152
P		-1.4
Q		+0.6
R		+144
S		-1.4
T		+0.9
U		+100
V		-1.2
W		+78
X		+127
Y		+190
Z		+300
AA	+185	+300
BB	+0.9	+25
CC	+1.3	+1.6
DD	+100	+145
EE	+225	+290
FF	+12	+21
GG	+235	+295
HH	+255	+300
II	+255	+260
JJ	+255	+300

C1. 10 MMF Ceramic NPO
 C2. 50 MMF Ceramic NPO
 C3. 100 MMF Ceramic NPO
 C4. 25 MMF APC
 C5. 100 MMF Ceramic NPO
 C6. 5 MMF APC
 C7. 100 MMF Ceramic NPO
 C8. .004 MFD GMV Ceramic
 C9. .001 MFD GMV Ceramic
 C10. .001 MMF GMV Ceramic
 C11. 10 MMF APC
 C12. 100 MMF Ceramic NPO
 C13. .001 MFD GMV Ceramic
 C14. 100 MMF Ceramic NPO
 C15. 100 MMF 1000 V Silver Mica
 C16. 15 MMF APC
 C17. 50 MMF APC
 C18. .047 MFD 400 V. Tubular
 C19. 2.2 MMF Ceramic NPO
 C20. .001 MFD GMV Ceramic
 C21. .001 MFD GMV Ceramic
 C22. .001 MFD GMV Ceramic
 C23. Special 3 Gang
 C24. RF Trimmer on C23
 C25. OSC Trimmer on C23
 C26. .01 MFD GMV Ceramic
 C27. 40 MMF Ceramic Neg. 30
 C28. 47 MMF 2% Ceramic Neg. 80
 C29. 47 MMF 2% Ceramic Neg. 30
 C30. .004 MFD GMV Ceramic
 C31. 50 MMF Ceramic Neg 80
 C32. .001 MFD GMV Ceramic
 C33. .01 MFD GMV Ceramic
 C34. .01 MFD GMV Ceramic
 C35. .001 MFD GMV Ceramic
 C36. .01 MFD GMV Ceramic
 C37. .01 MFD GMV Ceramic
 C38. .001 MFD GMV Ceramic
 C39. .01 MFD GMV Ceramic
 C40. .01 MFD GMV Ceramic
 C41. .001 MFD GMV Ceramic
 C42. 50 MMF Ceramic Neg. 80
 C43. .01 MFD GMV Ceramic
 C44. .004 MFD GMV Ceramic
 C45. .001 MFD GMV Ceramic
 C46. .001 MFD GMV Ceramic
 C47. 0.1 MFD 400 V. Tubular
 C48. .01 MFD GMV Ceramic
 C49. .01 MFD GMV Ceramic
 C50. .01 MFD GMV Ceramic
 C51. .001 MFD GMV Ceramic
 C52. .001 MFD GMV Ceramic
 C53. .005MFD GMV Ceramic
 C54. 25 MFD 50V
 C55. .25 MFD 50V } 85° C Electrolytic
 C56. 8 MFD 450V }
 C57. .001 MFD Ceramic
 C58. .0047 MFD 1600 V. Tubular
 C59. .001 MFD GMV Ceramic
 C60. .001 MFD GMV Ceramic
 C61. 12 MFD 450 V Electrolytic (85° C)
 C62. 30 MFD 450 V Electrolytic (85° C)
 C63. .001 MFD GMV Ceramic

C64. .001 MFD GMV Ceramic
 C65. .001 MFD GMV Ceramic
 C66. .001 MFD GMV Ceramic
 C67. Two .0068 MFD 1600V Tubular
 in parallel or one .015 MFD 1600V
 C68. See C67
 C69. 10 MMF NPO Ceramic
 C70. .01 MFD GMV Ceramic
 C71. .001 MFD GMV Ceramic
 C72. 470 MMF 1000V Ceramic
 C73. .01 MFD GMV Ceramic
 C74. .001 MFD GMV Ceramic
 C75. .01 MFD GMV Ceramic
 C76. .001 MFD GMV Ceramic
 C77. 470 MMF GMV Ceramic
 C78. .001 MFD GMV Ceramic
 C79. .001 MFD GMV Ceramic
 C80. 5 MMF NPO Ceramic
 C81. .01 MFD GMV Ceramic
 C82. .01 MFD GMV Ceramic
 C83. .01 MFD GMV Ceramic
 C84. .01 MFD GMV Ceramic
 C85. .001 MFD GMV Ceramic
 C86. .001 MFD GMV Ceramic
 C87 - 100 MMF Ceramic NPO

R1. 100K 1/2 W
 R2. 82 Ohm 1/2 W
 R3. 18K 1/2 W
 R4. 27K 1/2 W
 R5. 82 Ohm 1/2 W
 R6. 4.7 Meg 1/2 W
 R7. 27K 1/2 W
 R8. 2.2 Meg 1/2 W
 R9. 22K 1/2 W
 R10. 22K 2 W
 R11. 120 Ohm 1/2 W
 R12. 470K 1/2 W
 R13. 1500 Ohm 1/2 W
 R14. 6800 Ohm 1/2 W
 R15. 82K 1/2 W
 R16. 22K 2 W
 R17. 270K 1/2 W
 R18. 680 Ohm 1/2 W
 R19. 10K 1 W
 R20. 270K 1/2 W
 R21. 120 Ohm 1/2 W
 R22. 10K 1 W
 R23. 270K 1/2 W
 R24. 120 Ohm 1/2 W
 R25. 10K 1 W
 R26. 1.2 Meg 1/2 W
 R27. 270K 1/2 W
 R28. 270K 1/2 W
 R29. 1.2 Meg 1/2 W
 R30. 1.2 Meg 1/2 W
 R31. 2.2 Meg 1/2 W
 R32. 100K 1/2 W
 R33. 250K Pot audio taper
 R34. 100K 1/2 W
 R35. 4700 Ohm 4 W
 R36. 270K 1/2 W
 R37. 100K 1/2 W

R38. 680 Ohm 1/2 W
 R39. 1.2 Meg 1/2 W
 R40. 47K 1/2 W
 R41. 100K Pot AF taper
 R42. 100K 1/2 W
 R43. 270K 1/2 W
 R44. 3900 Ohm 1/2 W
 R45. 820 Ohm 1 W
 R46. 470K 1/2 W
 R47. 470K 1/2 W
 R48. 12K 1/2 W
 R49. 390 Ohm 1 W
 R50. 39K 1/2 W
 R51. 39K 1/2 W
 R52. 1.2 Meg 1/2 W
 R53. Mazda 63 lamp
 R54. 27K 1/2 W
 R55. 100K 1 W

K4XL's **BAMA**

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