

GONSET 6 METER COMMUNICATOR SCHEMATIC



801 S. Main Street Burbank, California

1069-B mbp
11-11-55

MODEL 3049 (6 VOLT)

COMPONENTS SUCH AS T1, T2, AND OTHERS NOT LISTED BELOW ARE SPECIAL AND SHOULD BE ORDERED BY SPECIAL ORDER. RESISTOR VALUES ARE 10% TOLERANCE. VOLTAGES SHOULD BE MEASURED WITH A DIODE TYPE VOLTMETER EXCEEDING 10 MEGOHMS AND AN ISOLATING RESISTOR IN THE PROBE (SUCH AS RCA VOLTOHMIST). ON SOME MODELS THE R ON SWITCH SW1 HAVE BEEN TRANSPOSED. FUSES ARE 2 AMP FOR 115 VOLT OPERATION (LOCATED IN HOT LEAD). NOTE: ON SOME MODELS SPECIAL "TREE" FUSES ARE USED IN AC LINE PLUG (OBTAINABLE AT MOST DIME STORES).

XMTR. CAPACITORS

C1 10 uuF-10% Ceramic NPO
C2 50 uuF-10% Ceramic-neg. 750
C3 .001 uF-GMV disc ceramic
C4 50 uuF-5% Ceramic-neg. 750
C5 .01 uF-GMV disc ceramic
C6 35 uuF APC
C7 100 uuF-20% Ceramic-neg. 750
C8 .001 uF-GMV disc Ceramic
C9 10 uuF-10% Ceramic-neg. 750
C10 15 uuF APC
C11 35 uuF APC
C12 470 uuF-10% Silver Mica
C13 .001 uF-GMV disc ceramic
C14 470 uuF-1000 V. Ceramic
C15 100 uuF-1000 V. Ceramic-Silver Mica
C16 25 uuF APC
C17 50 uuF APC
C18 1.5 uuF-10% Ceramic NPO
C19 470 uuF-GMV disc ceramic
C20 100 uuF-5% Ceramic-neg. 750
C21 100 uuF-5% Ceramic-neg. 750
C22 .001 uF-20% Disc ceramic
C23 .001 uF-20% disc ceramic
C24 .01 uF-GMV disc ceramic
C25 .004 uF-20% disc ceramic
C26 .001 uF-20% disc ceramic
C27 .01 uF-GMV disc ceramic
C28 25 uF @ 50 V.)
C29 8 uF @ 450 V.) 85°C Electrolytic
C30 25 uF @ 50 V.)
C31 .001 uF-20% disc ceramic
C32 100 uuF-20% disc ceramic
C33 .0068 uF-1600 V. Tubular
C34 .001 uF-20% disc ceramic
C35 .001 uF-20% disc ceramic
C36 .001 uF-20% disc ceramic

RCVR. CAPACITORS

C37 .001 uF-20% disc ceramic
C38 .001 uF-20% disc ceramic
C39 .001 uF-20% disc ceramic
C40 3 uuF-10% Ceramic NPO
C41 .75 uuF-10% Ceramic NPO
C42 RF trimmer on C43
C43 Special 3 Gang
C44 .001 uF-GMV disc ceramic
C45 62 uuF-2% Ceramic-neg. 150
C46 62 uuF-2% Ceramic-neg. 150
C47 10 uuF-Ceramic NPO
C48 Oscillator trimmer on C43
C49 .0047 uF-20% disc ceramic
C50 .01 uF-GMV disc ceramic
C51 .01 uF-GMV disc ceramic
C52 .001 uF-20% disc ceramic
C53 50 uuF-10% Ceramic NPO
C54 .01 uF-GMV disc ceramic
C55 Coupling adjustment in some sets-
Replace with identical value where used.
C56 .001 uF-20% disc ceramic
C57 .01 uF-GMV disc ceramic
C58 .01 uF-GMV disc ceramic
C59 .01 uF-GMV disc ceramic
C60 .01 uF-GMV disc ceramic
C61 Coupling adjustment in some sets-
Replace with identical value where used.
C62 100 uuF-20% Ceramic GP
C63 .01 uF-GMV disc ceramic
C64 .01 uF-GMV disc ceramic
C65 50 uuF-20% Ceramic GP
C66 .0047 uF 20% disc ceramic
C67 .001 uF-GMV disc ceramic
C68 470 uuF-20% disc ceramic
C69 .01 uF-GMV disc ceramic
C70 0.47 uF-200V. paper
C71 .01 uF-GMV disc ceramic
C72 .01 uF-GMV disc ceramic

C73 0.1 uF tubular
C74 0.1 uF tubular
C75 .01 uF-GMV disc ceramic
C76 .001 uF-20% disc ceramic
C77 .001 uF-GMV disc ceramic
C78 .001 uF-GMV disc ceramic
C79 .01 uF-GMV disc ceramic
C80 .01 uF-GMV disc ceramic
C81 .01 uF-GMV disc ceramic
C82 .001 uF-GMV disc ceramic
C83 .001 uF-GMV disc ceramic
C84 .01 uF-GMV disc ceramic
C85 .001 uF-GMV disc ceramic
C99 Coupling adjustment on some sets-
Replace with identical value where used.

POWER SUPPLY CAPACITORS

C86 .001 uF-20% disc ceramic
C87 .001 uF-20% disc ceramic
C88 .001 uF-20% disc ceramic
C89 .001 uF-20% disc ceramic
C90 .001 uF-20% disc ceramic
C91 .01 uF-GMV disc ceramic
C92 .001 uF-20% disc ceramic
C93 .001 uF-20% disc ceramic
C94 .001 uF-20% disc ceramic
C95 .05 uF 1600V. tubular
C96 12 uF 450V. 85°C Electrolytic
C97 30 uF 450V. 85°C Electrolytic
C98 0.1 uF Tubular

XMTR. RESISTORS

R1 100 K $\frac{1}{2}$ watt
R2 82 ohm $\frac{1}{2}$ watt
R3 100K-1 watt

TIC DIAGRAM

SYMBOL DESIGNATION. ALL
HAVING AN INPUT RESISTANCE
ME UNITS, SECTIONS F AND
LINE PLUG), 20 AMP FOR 6
AL NOMA ELECTRIC "CHRISTMAS

CONNECTOR	MATING CONNECTOR (Not Furnished)
J 1	AMPHENOL #83-1SP
J 3	PL-68
J 4	CINCH #M-93

R4 18 K $\frac{1}{2}$ watt
R5 27 K $\frac{1}{2}$ watt
R6 82 ohm $\frac{1}{2}$ watt
R7 4.7 megohm $\frac{1}{2}$ watt
R8 4.7 megohm $\frac{1}{2}$ watt
R9 22 K $\frac{1}{2}$ watt
R10 4.7 K $\frac{1}{2}$ watt-2 in parallel
R11 22 K 2 watt
R12 27 K $\frac{1}{2}$ watt
R13 100 K $\frac{1}{2}$ watt
R14 1.2 megohm $\frac{1}{2}$ watt
R15 680 ohm $\frac{1}{2}$ watt
R16 47 K $\frac{1}{2}$ watt
R17 100 K Pot. A.F.T.
R18 100 K $\frac{1}{2}$ watt
R19 270 K $\frac{1}{2}$ watt
R20 3.9 K $\frac{1}{2}$ watt
R21 470 K $\frac{1}{2}$ watt
R22 470 K $\frac{1}{2}$ watt
R23 12 K $\frac{1}{2}$ watt
R24 820 ohm 1 watt
R25 390 ohm 1 watt
R26 39 K $\frac{1}{2}$ watt
R27 39 K $\frac{1}{2}$ watt
R28 1.2 megohm $\frac{1}{2}$ watt
R29 270 K $\frac{1}{2}$ watt

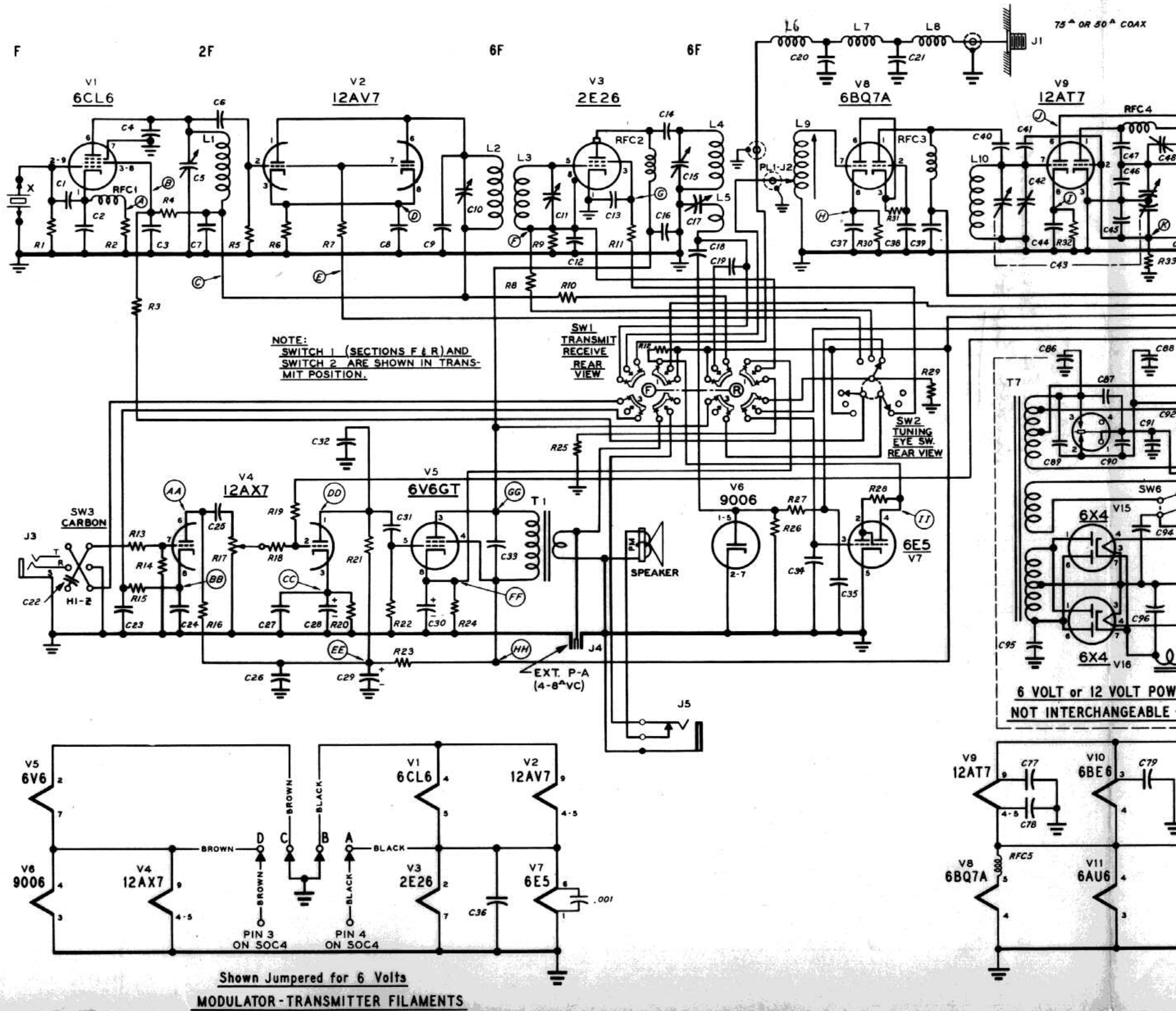
RCVR. RESISTORS

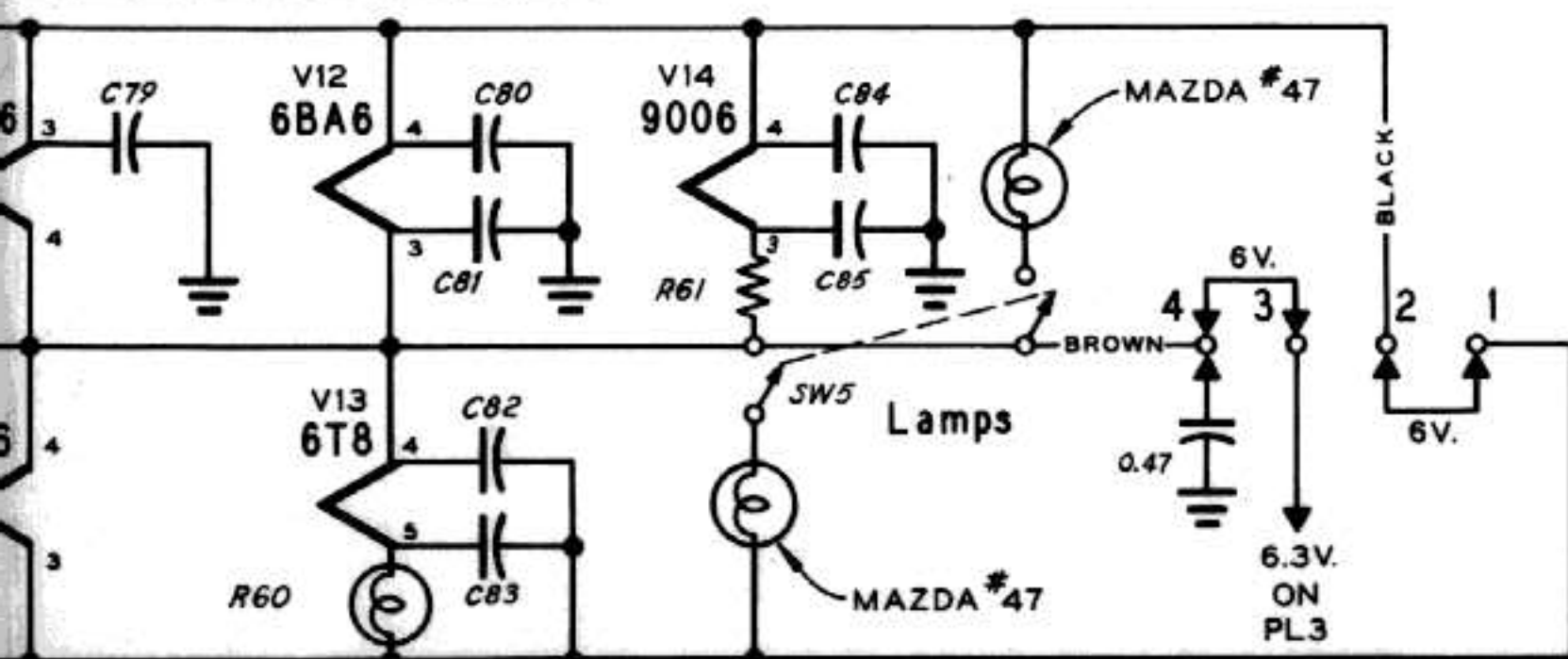
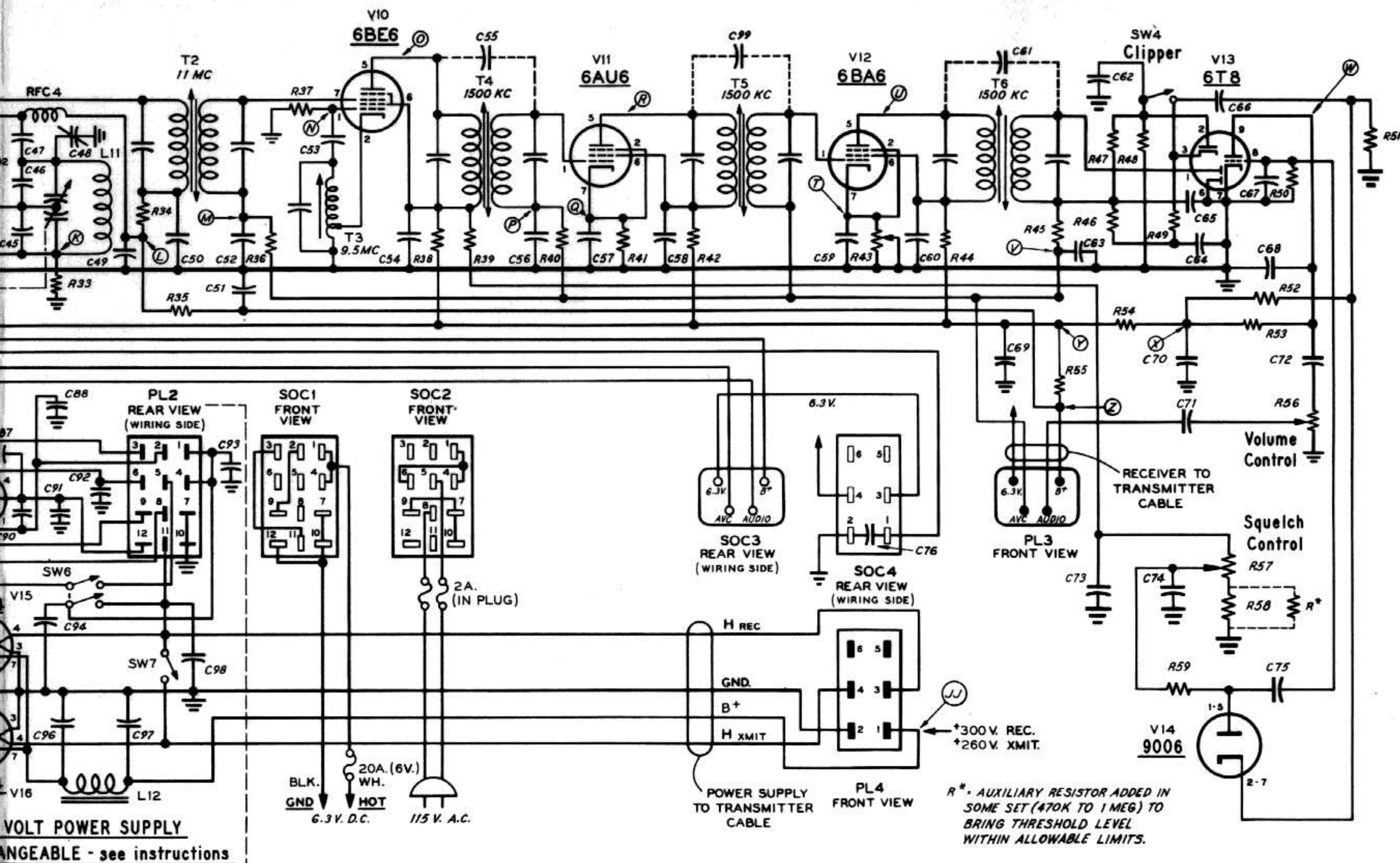
R30 120 ohm $\frac{1}{2}$ watt
R31 470 K $\frac{1}{2}$ watt
R32 4.7 K $\frac{1}{2}$ watt
R33 10 K $\frac{1}{2}$ watt
R34 39 K $\frac{1}{2}$ watt
R35 22 K 2 watt
R36 2.2 megohm $\frac{1}{2}$ watt

R37 100 K $\frac{1}{2}$ watt
R38 10 K 1 watt
R39 220 K $\frac{1}{2}$ watt
R40 270 K $\frac{1}{2}$ watt
R41 150 ohm $\frac{1}{2}$ watt
R42 10 K 1 watt
R43 100-1000 ohm variable
R44 10 K 1 watt
R45 1.2 megohm $\frac{1}{2}$ watt
R46 1 megohm $\frac{1}{2}$ watt
R47 270 K $\frac{1}{2}$ watt
R48 270 K $\frac{1}{2}$ watt
R49 1 megohm $\frac{1}{2}$ watt
R50 2.2 megohm $\frac{1}{2}$ watt
R51 1 megohm $\frac{1}{2}$ watt
R52 1 megohm $\frac{1}{2}$ watt
R53 150 K $\frac{1}{2}$ watt
R54 100 K $\frac{1}{2}$ watt
R55 4.7 K $\frac{1}{2}$ watt
R56 250 K Pot-Audio Taper
R57 500 K Pot- Linear Taper
R58 470 K $\frac{1}{2}$ watt
R59 1 megohm $\frac{1}{2}$ watt
R60 Masda #63 lamp
R61 15 ohm $\frac{1}{2}$ watt

J1 ANTENNA CONNECTOR - AMPHENOL 83-1R
J2 RECEIVE ANTENNA JACK - CINCH 8611
J3 MICROPHONE JACK - SWITCHCRAFT JK-43
J4 AUXILIARY SPEAKER JACK - CINCH 8171
J5 PHONE JACK - SWITCHCRAFT C-12A
L12 FILTER CHOKE - MERIT #C2974
PL1 RECEIVE ANTENNA PLUG - CINCH M-93
PL2 POWER SUPPLY PLUG - JONES P312AB
PL3 RECEIVE POWER PLUG - CINCH 2770
PL4 TRANSMIT POWER PLUG - JONES P306-FHE
RFC1 600 uH
RFC2 18 uH
RFC3 5.4 uH
RFC4 5.4 uH
RFC5 1.9 uH
SOC1 MAIN POWER SOCKET - JONES 312CCT
SOC2
SOC3 RECEIVE POWER SOCKET - CINCH 2765
SOC4 TRANSMIT POWER SOCKET - JONES S-306-AB
SW1 TRANSMIT-RECEIVE SWITCH - SPECIAL
SW2 TUNING EYE SWITCH - SPECIAL
SW3 MIKE SELECTOR SWITCH - D.P.D.T. - WIRT #726
SW4 CLIPPER SWITCH - S.P.S.T. - WIRT #723
SW5 PILOT LIGHT SWITCH - WIRT #723
SW6 POWER SWITCH - D.P.S.T. - CARLING #216-6 OR SMITH #522
SW7 TRANS. FILAMENT SWITCH - S.P.S.T. - CARLING #110 OR SMITH #510
SPEAKER - STD. 4 INCH, 1.47 oz MAGNET
VIBRATOR - MALLORY 294, 625 OR G625C

A	1.3	
B	95	
C	160	
D	1.5	
E	-80	
F	-70	
G	165	
H		1.0
I		1.5
J		52
K		-4.2
L		143
M		-1.2
N		-21.5
O		102
P		-1.2
Q		.7
R		110
S		DELETED
T		.7-5
U		95
V		-1.2
W		65
X		125
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





6 METER COMMUNICATOR

49-54 MC. AM

MODEL 3049 (6 Volt)

This Communicator contains

CODE 'C' - Transmitter

CODE 'D' - Receiver

CODE 'A' - Power Supply

VOLTAGE CHART

All voltages measured with VTVM having input resistance of at least 10 megohms. (50 ohm input, no signal)