

TABLE 1

TRANSISTOR AND IC VOLTAGES

Transistor TR	Bv	Receiver (No Signal)		Ev	Transmitter (Without Modulation)		Application
		(D)=	(S)=		Bv	Cv	
1 3SK22(Y)	(G1)= (G2)= 2.05 2.12	7.07	(S)= 1.53	1.53	0	0	RF Amplifier
2 2SC839(H)	3.39	8.82	2.70	2.70	3.37	8.92	Oscillator
3 2SC839(H)	3.41	8.83	2.72	2.72	3.41	8.83	Oscillator
4 2SC839(H)	3.38	8.83	2.88	2.88	3.38	6.83	Oscillator
5 2SC839(H)	1.44	8.10	0.72	0.72	1.44	8.10	Mixer
6 2SC839(H)	1.82	8.77	1.19	1.19	0	0	1st Mixer (Rec)
7 2SK30(Y)	(G)= 0	4.92	0.13	0.13	0	0	Blanker Amp.
8 2SC839(H)	1.80	8.79	1.11	1.11	0	0	SSB IF Amp.
9 2SC945(QL)	1.14	5.00	0.52	0.52	0	0	AF Amp(Rec)
10 2SC372(Y)	1.16	5.48	0.51	0.51	0	0	SSG AGC Amp(1)
11 2SC839(H)	1.51	8.78	0.84	0.84	0	0	Osc (AM 2nd)
12 2SC839(H)	1.50	8.87	0.84	0.84	0	0	Mixer (AM 455KHz)
13 2SC839(H)	1.40	8.90	0.74	0.74	0	0	IF Amp (AM 455KHz)
14 2SC839(H)	1.78	8.81	1.09	1.09	0	0	IF Amp (AM 455KHz)
15 2SC372(Y)	0.57	4.74	0.05	0.05	0	0	SSB AGC Amp(2)
16 2SC495	4.95	0	5.03	5.03	0	0	SSB AGC Amp(3)
17 2SC495	5.03	0	5.69	5.69	0	0	SSB AGC Amp(4)
18 2SC372(Y)	SQ Open 0	2.18	0	0	0	0	SQ Amp
	Closed	0.61	0	0	0	0	SQ Amp
19 2SC372(Y)	SQ Open 0.69	0.09	0	0	0	0	SQ Amp
	Closed	0.08	0	0	0	0	SQ Amp
20 2SC372(Y)	0.47	6.50	0	0	0	0	AGC Amp(AM)
21 2SC839(H)	1.76	8.85	1.09	1.09	1.76	8.85	SSB Carrier Osc.
22 2SC839(H)	1.13	8.85	0.47	0.47	1.13	8.85	Buffer Amp
23 2SC372(Y)	0	0	0	0	1.14	5.15	Mic Amp
24 2SC372(Y)	0	0	0	0	1.13	6.23	Mic Amp
25 2SC372(Y)	1.15	6.13	0.51	0.51	1.15	6.13	AF Amp
26 2SC735(Y)	1.82	9.88	1.81	1.81	1.82	9.88	AF Amp
27 2SB474	13.57	0	13.68	13.68	13.57	0	AF Power Amp
28 2SB474	13.57	0	13.68	13.68	13.57	0	AF Power Amp
29 2SC710(C)	0	0	0	0	0.78	8.93	RF Amp (Transmit)
30 2SC1306	0	0	0	0	0.82	13.44	RF Amp (Transmit)
31 2SC1307	0	0	0	0	0.62	13.46	RF Power Amp
32 2SC372(Y)	8.50	15.00	6.40	6.40	-	-	Regulator
33 2SD180(M)	14.40	20.10	13.80	13.80	-	-	Regulator
34 2SC1096(L)	15.50	20.10	14.40	14.40	-	-	Regulator

IC Number

RECEIVER VOLTAGES (No Signal)

1 TA7045 (M)	1.47	1.52	0	0	0.73	1.47	8.84	8.84	8.84
2 TA7045 (M)	0	0	0	0	0	0	0	0	0

TRANSMITTER VOLTAGES (No Modulation)

1 TA7045 (M)	3.53	3.06	0	2.29	3.55	8.37	8.84	8.84	*AM Mode
	*9.34	*3.08		*2.52	*9.51				
2 TA7045 (M)	3.55	2.91	0	2.13	3.55	3.83	3.87	3.87	3.82