RANGER Communications, Inc.

SECTION 10 RCI-2950 SURFACE MOUNT/ CPU PCB PARTS LIST

10.0 RCI-2950 SURFACE MOUNT CPU P.C.B

REF#	DESCRIPTION	PART#
——	CPU P.C.B	DPT295040Z
——	KEY SW P.C.B	EPT295031Z
——	C/F/R 1.5K OHM 1/16W P	RCP161524Z
——	TACT SW JIP-1250	EWPS33042X
——	IC PIN	EX07N48414
——	PCB CONNECTOR/S	EX07N48441
	CARBON FILM RESISTORS	
R601	10K 0.1W	RCY011034Z
R602	1M 0.1W	RCY011054Z
R603	10K 0.1W	RCY011034Z
R604	82 OHM ½W (U) TYPE	RCU128204Z
R605	10K 0.1W	RCY011034Z
R604	56Ω ½W(U) TYPE	RCU125604Z
R607	5.6K 0.1W	RCY015624Z
R608	470K 0.1W	RCY014744Z
R609	47K 0.1W	RCY014734Z
R610	10K 0.1W	RCY011034Z
R611	10K 0.1W	RCY011034Z
R612	47K 0.1W	RCY014734Z
R613	47K 0.1W	RCY014734Z
R614	100K 0.1W	RCY011044Z
R615	56K 0.1W	RCY015634Z
R616	27K 0.1W	RCY012734Z
R617	56K 0.1W	RCY015634Z
R618	27K 0.1W	RCY012734Z
R619	56K 0.1W	RCY015634Z
R620	27K 0.1W	RCY012734Z
R621	56K 0.1W	RCY015634Z
R622	56K 0.1W	RCY015634Z
R623	27K 0.1W	RCY012734Z
R624	27K 0.1W	RCY012734Z
R625	56K 0.1W	RCY015634Z
R626	56K 0.1W	RCY015634Z
R627	10K 0.1W	RCY011034Z
R628	47K 0.1W	RCY014734Z
R629	33K 0.1W	RCY013334Z
R630	150K 0.1W	RCY011544Z
R631	10K 0.1W	RCY011034Z
	CERAMIC CAPACITORS	
C601	33pF 50WV	CK1330AB4A
C602	0.1uF 50WV Z SL	CK0114AB7L
C603	0.1uF 50WV Z SL	CK0114AB7L
C604	1000uF 10WV Z	CE0101087Z
C605	0.1uF 50WV Z SL	CK0114AB7L
C606	33pF 50WV	CK1330AB4A
C607	0.22uF 50WV Z Y5V	CK1224AB7R
C608	0.001uF 50WV Z SL	CK1102AB7L
C609	0.001uF 50WV Z SL	CK1102AB7L
C610	0.1uF 50WV Z SL	CK1104AB7L
C611	0.1uF 50WV Z SL	CK1104AB7L

10.0 RCI-2950 SURFACE MOUNT CPU P.C.B (Con't)

REF#	DESCRIPTION	PART#
C612	0.1uF 50WV Z SL	CK1104AB7L
C613	0.1uF 50WV Z SL	CK1104AB7L
C614	0.1uF 50WV Z SL	CK1104AB7L
C615	0.1uF 50WV Z SL	CK1104AB7L
C616	0.1uF 50WV Z SL	CK1104AB7L
C617	0.1uF 50WV Z SL	CK1104AB7L
	I.C. (S.M.D)	
U601	HD404818C89FS 80 PIN	YNRG2950SP
U602	AN8005M-E2 3 PIN	YNMA08005M
U604	BU4094BF 16 PIN	YNR004094B
U605	BU4094BF 16 PIN	YNR004094B
U606	P93L46 8P	YNEX93L46P
	TRANSISTORS	
Q601	2SC2712GR-TE85L	TY2SC2712G
Q602	2SD999	TY2SD0999Z
Q603	2SC2712GR-TE85L	TY2SC2712G
Q604	2SD999	TY2SD0999Z
Q605	2SC2712GR-TE85L	TY2SC2712G
Q606	2SC2712GR-TE85L	TY2SC2712G
Q607	2SC2712GR-TE85L	TY2SC2712G
	DIODES	
D601	1SS355	EDSS00355Y
D602	1SS355	EDSS00355Y
	MISC.	
——	LCD DISPLAY MT-628PAT	EX03N40460
X601	KBR-4.0M	EX14N46510
BZ601	BUZZER PKM35-4A WHY	EX14N46511
	PCB CONNECTOR/S	
CN601	4P T	EX07N41250
CN602	2P T	EX07N41226
CN603	3P T	EX07N41216
CN604	3P T	EX07N41216
CN605	3P T	EX07N41216
CN606	6P T	EX07N41266
CN607	6P T	EX07N41266
CN608	2P T	EX07N41226
CN610	3P T	EX07N41216
JP601	4P	EX07N48440
JP602	4P	EX07N48440
SHORT1	SHORT PIN	EX07N48151
SHORT2	SHORT PIN	EX07N48151
SK601	6P	EX07N48772
SK602	6P	EX07N48772
LP601	5.3V 150mA	EX01N40102
LP602	5.3V 150mA	EX01N40102

RANGER
Communications, Inc.

SECTION 11
RCI-2950/2970
MAIN BOARD VOLTAGE CHART

Source Voltage = 13.80; **Frequency** = 28.000 MHz; **Power Settings** = AM 2W SSB 25W

		AM/FM/SSB	
		NB/OFF	NB/ON
Q1	E=	0.00	1.06
2SC1675	C=	0.00	7.67
NPN	B=	0.00	1.77

		AM/FM/SSB	
		NB/OFF	NB/ON
Q2	E=	GRD	GRD
2SC1675	C=	0.00	2.09
NPN	B=	0.00	0.71

		AM/FM/SSB	
		NB/OFF	NB/ON
Q3	E=	0.00	1.45
2SC945	C=	0.00	7.76
NPN	B=	0.00	2.09

		AM/FM/SSB	
		NB/OFF	NB/ON
Q4	E=	0.01	1.06
2SC945	C=	8.01	8.01
NPN	B=	0.00	0.02

		AM/FM/SSB	
		NB/OFF	NB/ON
Q5	E=	0.01	0.03
2SC945	C=	7.37	7.37
NPN	B=	0.00	0.01

		AM/FM/SSB	
		NB/OFF	NB/ON
Q6	E=	8.01	8.01
25A733	C=	0.00	0.00
NPN	B=	7.36	7.36

		AM/FM/SSB	
		NB/OFF	NB/ON
Q7	E=	GRD	GRD
2SC945	C=	0.00	0.01
NPN	B=	0.00	0.00

		AM		FM		USB/LSB	
		RX	TX	RX	TX	RX	TX
Q8	E=	0.48	2.44	0.48	2.44	2.38	2.44
2SC1674	C=	6.93	0.03	6.93	0.02	7.60	0.02
NPN	B=	1.18	0.02	1.18	0.01	1.30	0.01

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q9	E=	GRD	GRD	GRD	GRD
2SC1674	C=	3.04	0.03	0.03	0.02
NPN	B=	0.71	0.01	0.82	0.81

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q10	E=	2.26	0.01	0.00	0.01
2SC1675	C=	5.764	0.02	8.02	0.02
NPN	B=	3.03	0.02	0.03	0.02

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q11	E=	1.52	0.01	0.01	0.01
2SC1675	C=	6.49	0.02	8.02	0.02
NPN	B=	2.26	0.01	0.00	0.01

		AM/FM	
		NB/OFF	NB/ON
		RX	TX
Q12	E=	8.06	8.06
2SA733	C=	0.00	8.01
PNP	B=	8.02	7.35

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q13	E=	GRD	GRD	GRD	GRD
2SC945	C=	-0.25	-0.24	0.01	0.01
NPN	B=	0.00	0.01	0.71	0.71

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q14	E=	GRD	GRD	GRD	GRD
2SC945	C=	0.01	0.02	0.11	0.01
NPN	B=	0.70	0.71	0.01	0.01

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q15	E=	GRD	GRD	GRD	GRD
2SC945	C=	0.02	0.01	0.01	0.01
NPN	B=	0.01	0.01	0.70	0.71

		AM/FM		USB/LB	
		RX	TX	RX	TX
Q16	E=	0.67	0.68	0.68	0.68
2SC945	C=	5.04	5.05	5.01	5.01
NPN	B=	1.26	1.27	1.26	1.26

		AM/FM USB/LB RX	TX
Q17	E=	GRD	GRD
2SC945	C=	0-0.01	0.02
NPN	B=	0.00	0.76

		AM RX	AM TX	FM RX	FM TX	USB/LSB RX	USB/LSB TX
Q18	E=	1.41	0.01	1.41	0.01	1.41	0.01
2SC1674	C=	7.73	0.03	74.73	0.08	7.74	0.02
NPN	B=	2.15	0.02	2.15	0.03	2.16	0.01

		AM/SSB RX	AM/SSB TX	FM RX	FM TX
Q19	1=	1.89	0.03	1.90	0.07
J310	2=	7.95	0.02	7.95	0.07
FET	3=	0.03	0.01	0.00	0.01

		AM RX	AM TX	FM RX	FM TX	SSB RX	SSB TX
Q20	E=	0.23	7.34	0.23	7.35	0.85	7.34/7.36w/MOD
2SC1675	C=	0.24	3.02	0.24	1.19	6.69	7.11/7.13w/MOD
NPN	B=	0.95	3.41	0.95	1.96	1.60	3.40/3.42w/MOD

		AM/FM RX	AM/FM TX	USB/LSB RX	USB/LSB TX
Q21	E=	GRD	GRD	GRD	GRD
2SC1675	C=	1.74	0.03	3.43	0.02/0.04w/MOD
NPN	B=	0.22	0.02	0.73	0.01/0.03w/MOD

		AM/FM RX	AM/FM TX	USB/LSB RX	USB/LSB TX
Q22	E=	0.92	0.02	2.66	0.01/0.03w/MOD
2SC1675	C=	0.93	0.40	6.52	7.09/7.16w/MOD
NPN	B=	1.74	0.03	3.43	0.02/0.04w/MOD

		AM/FM RX	AM/FM TX	USB/LSB RX	USB/LSB TX
Q23	E=	0.23	0.02	1.90	0.01/0.03w/MOD
2SC1906	C=	7.78	0.02	6.10	0.02/0.04w/MOD
NPN	B=	0.92	0.02	2.65	0.01/0.02w/MOD

		AM RX	AM TX	FM RX	FM TX	SSB RX	SSB TX
Q24	E=	GRD	GRD	GRD	GRD	GRD	GRD
2SC945	C=	0.01	0.02	0.18	0.05	0.01	0.02/0.20w/MOD
NPN	B=	0.70	0.71	0.01	0.02	0.01	0.01/0.03w/MOD

		AM RX	AM TX	FM RX	FM TX	SSB RX	SSB TX
Q25	E=ON	8.05	8.06	0.01	0.02	0.01	0.01
	OFF	7.38	7.39	0.01	0.02	0.01	0.01
2SA733	C=ON	0.16	0.22	0.01	0.02	0.01	0.01
	OFF	7.38	7.38	0.01	0.02	0.01	0.01
NPN	B=ON	8.01	8.02	0.01	0.02	0.01	0.02
(ANL)	OFF	6.72	6.73	0.01	0.02	0.01	0.02

		AM/FM/SSB RX	AM/FM/SSB TX
Q26	E=	2.28	2.29
2SC945	C=	7.19	7.20
NPN	B=	2.82	2.84

		AM/FM/SSB RX	AM/FM/SSB TX
Q27	E=	2.70	2.71
2SC1675	C=	5.93	5.94
NPN	B=	3.44	3.45

		AM/FM/SSB RX	AM/FM/SSB TX
Q28	E=	GRD	GRD
2SC1675	C=	4.36	4.37
NPN	B=	0.72	0.72

		AM RX	AM TX	FM RX	FM TX	SSB RX	SSB TX
Q29	E=	GRD	GRD	GRD	GRD	GRD	GRD
2SC1675	C=	7.95	7.96	0.02	0.07	7.94	7.95
NPN	B=	0.01	0.02	0.75	0.79	0.01	0.01

		AM/FM RX	AM/FM TX	SSB RX	SSB TX
Q30	E=	GRD	GRD	GRD	GRD
2SC945	C=	0.02	0.03	2.95	2.89/2.91w/MOD
NPN	B=	0.71	0.72	0.01	0.01/0.03w/MOD

		AM RX	AM TX	FM RX	FM TX	SSB RX	SSB TX
Q31	E=	8.06	8.06	8.06	8.06	8.06	8.05/7.57w/MOD
2SA945	C=	0.11	-0.34	0.11	-0.39	-0.11	-0.43/5.46w/MOD
NPN	B=	8.02	8.02	8.02	8.02	8.02	8.02/6.95w/MOD

		AM/FM RX	AM/FM TX
Q32	E=	GRD	GRD
2SC945	C=	0.01	0.01
NPN	B=	0.71	0.01/0.50w/MOD

		AM/FM/SSB RX	AM/FM/SSB TX
Q33	E=	GRD	GRD
2SC945	C=	0.25	0.72/0.74w/SSB MOD
NPN	B=	0.24	0.57/0.58w/SSB MOD

		AM/FM/SSB RX	AM/FM/SSB TX
Q34	E=	GRD	GRD
2SC945	C=	1.32	0.01/0.44w/AM/SSB MOD
NPN	B=	0.00	0.00/0.01w/SSB MOD

		AM/FM/SSB ROGER BEEP ON		AM/FM/SSB ROGER BEEP OFF	
		RX	TX	RX	TX
Q35	E=	8.06	8.07	8.06	8.07
2SA733	C=	3.05	-0.70	8.05	8.06
PNp	B=	8.02	8.03	7.41	7.42

		AM/FM/SSB	
		RX	TX
Q36	E=	0.01	0.35
2SC945	C=	8.03	8.04
NPN	B=	0.01	0.02

		AM/FM/SSB	
		RX	TX
Q37	E=	8.05	8.06
2SA1282	C=	8.02	0.02
PNP	B=	7.36	8.05

		AM		FM/SSB	
		RX	TX	RX	TX
Q38	E=	8.06	8.05	8.06	8.04
2SA1282	C=	0.00	7.95	0.00	7.96
PNP	B=	8.02	7.27	8.02	7.28

		AM/FM/SSB	
		RX	TX
Q39	E=	GRD	GRD
2SC945	C=	0.05	8.04
NPN	B=	0.63	0.01

		AM/FM/SSB	
		RX	TX
Q40	E=	8.05	8.06
2SA1282	C=	0.28	8.04
PNP	B=	7.54	7.35

		AM/FM/SSB CW MODE			
		RX	TX	RX	TX
Q41	E=	GRD	GRD	GRD	GRD
2SC945	C=	0.29	3.15	0.01	0.02
NPN	B=	0.00	0.01	0.70	0.71

		AM/FM/SSB	
		RX	TX
Q42	E=	0.15	0.16
2SC945	C=	1.65	1.65
NPN	B=	0.77	0.78

		AM/FM		SSB	
		RX	TX	RX	TX
Q43	E=	0.01	1.41	1.38	1.40/1.05w/MOD
2SC1675	C=	8.04	8.04	8.04	8.04/5.60w/MOD
NPN	B=	0.00	0.01	0.00	0.01/0.07w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q44	E=	0.01	1.41	1.38	1.40
2SC1675	C=	0.03	4.56	4.54	4.57
NPN	B=	0.02	2.12	2.10	2.12

		AM/FM/SSB		CW	
		RX	TX	RX	TX
Q45	E=	0.00	0.01	8.04	5.58
2SA733	C=	0.01	0.02	0.00	5.54
PNP	B=	8.04	8.05	8.04	4.91

		AM/FM		SSB	
		RX	TX	RX	TX
Q46	E=	0.00	0.68	0.00	0.68/0.71w/MOD
2SC2312	C=	4.15	3.80	13.25	12.60/15.11w/MOD
NPN	B=	GRD	GRD	GRD	GRD

		AM/FM		SSB	
		RX	TX	RX	TX
Q47	E=	0.00	0.68	0.00	0.68/0.71w/MOD
2SC2312	C=	4.15	3.80	13.25	12.60/15.11w/MOD
NPN	B=	GRD	GRD	GRD	GRD

		AM/FM		SSB	
		RX	TX	RX	TX
Q48	E=	0.00	0.74	0.00	0.74
2SC2166	C=	4.15	3.88	13.25	12.75
NPN	B=	GRD	GRD	GRD	GRD

		AM/FM		SSB	
		RX	TX	RX	TX
Q49	E=	0.00	0.70	0.00	0.57/0.59w/MOD
2SC2314	C=	0.00	8.30	0.00	7.95/8.06w/MOD
NPN	B=	0.00	1.25	0.00	1.28/1.30w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q50	E=	0.00	0.71	0.00	0.66/0.69w/MOD
2SC1906	C=	0.00	7.95	0.00	7.95/7.97w/MOD
NPN	B=	0.00	1.41	0.00	1.45

		AM/FM		SSB	
		RX	TX	RX	TX
Q51	E=	13.31	12.74	13.25	12.80/12.15w/MOD
2SB754	C=	4.29	3.43	13.25	12.30/11.52w/MOD
PNP	B=	13.79	13.57	13.79	13.66/13.39w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q52	E=	4.18	3.48	12.85	12.55/11.79w/MOD
2SC945	C=	13.30	12.15	12.63	12.30/11.52w/MOD
NPN	B=	4.03	4.03	12.27	11.75/11.23w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q53	E=	13.30	12.15	12.63	12.30/11.52w/MOD
2SA473	C=	4.29	3.43	13.25	12.80/12.13w/MOD
PNP	B=	13.31	12.74	13.25	12.80/12.15w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q54	E=	GRD	GRD	GRD	GRD
2SC945	C=	13.30	12.18	0.05	0.05/0.07w/MOD
NPN	B=	0.00	0.02	0.73	0.73/0.75w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q55	E=	0.53	0.43	1.65	1.62/1.53w/MOD
2SC945	C=	8.05	8.05	8.05	8.05/6.90w/MOD
NPN	B=	0.63	0.64	0.63	0.63/0.63w/MOD

		AM/FM		SSB	
		RX	TX	RX	TX
Q56	E=	GRD	GRD	GRD	GRD
2SC945	C=	0.01	0.02	0.01	0.01/0.03w/MOD
NPN	B=	0.71	0.72	0.71	0.71/0.73w/MOD

		AM		FM		SSB	
		RX	TX	RX	TX	RX	TX
Q57	E=	GRD	GRD	GRD	GRD	GRD	GRD
2SC945	C=	0.02	0.03	0.71	0.72	0.71	0.72/0.73w/MOD
NPN	B=	0.69	0.70	0.00	0.02	0.00	0.01/0.03w/MOD

		AM		FM		SSB	
		RX	TX	RX	TX	RX	TX
Q58	E=	0.01	0.02	0.38	0.40	0.01	0.01
2SC945	C=	0.01	0.02	4.32	4.32	0.01	0.01
NPN	B=	0.01	0.02	1.02	1.03	0.01	0.01

IC VOLTAGES

		SQUELCH	
		OFF	ON
IC1	1=	6.66	6.66
SQ AMP,	2=	0.01	0.01
AGC AMP	3=	4.05	4.05
NJM324D	4=	8.06	8.06
	5=	0.02	0.02
	6=	0.02	0.02
	7=	0.04	0.04
	8=	0.01	6.64
	9=	2.23	2.23
	10=	0.63	3.11
	11=	GRD	GRD
	12=	0.40	0.40
	13=	0.40	0.40
	14=	0.88	0.88

		FM	AM/SSB
IC2	1=	1.24	0.00
FM DET	2=	1.27	0.00
UPC1028H	3=	6.93	0.00
	4=	GRD	GRD
	5=	3.26	0.00
	6=	3.17	0.00
	7=	4.40	0.00

		AM/FM		SSB	
		RX	TX	RX	TX
IC3	1=	0.02	0.03	2.95	2.90
BAL MOD	3=	3.28	3.22	3.31	3.25
AN612	3=	3.26	3.20	3.30	3.23
	4=	GRD	GRD	GRD	GRD
	5=	5.86	5.75	5.92	5.80
	6=	7.34	7.22	7.40	7.28

IC4	1=	8.02	8.02
NJM7805	2=	GRD	GRD
V-REG	3	5.04	5.05

		AM/FM/SSB RX/TX
IC5	1=	2.94
TC5081	2=	3.36
PHASE-	3=	3.36
COMP.	4=	7.39
	5=	7.41
	6=	7.23
	7=	2.57
	8=	7.37
	9=	GRD

IC6	1=	13.63	13.32
NJM7808	2=	GRD	GRD
V-REG	3=	8.06	8.07

		AM/FM		USB		LSB	
		RX	TX	RX	TX	RX	TX
IC7	1=	0.01	0.02	0.02	0.02	0.02	0.02
TC5081	2=	7.95	7.95	7.95	7.95	7.95	7.95
PHASE-	3=	1.90	1.90	2.36	2.36	1.49	1.49
COMP.	4=	7.98	7.98	7.98	7.98	7.98	7.98
	5=	7.99	7.99	7.99	7.99	7.99	7.99
	6=	7.99	7.99	7.99	7.99	7.99	7.99
	7=	1.97	1.97	1.97	1.97	2.00	2.00
	8=	2.57	2.57	2.57	2.57	2.57	2.57
	9=	GRD	GRD	GRD	GRD	GRD	GRD

		AM/FM/SSB RX/TX
IC8	1=	2.58
TA7310	2=	1.90
VCO	3=	1.22
MIXER	4=	2.63
	5=	GRD
	6=	5.00
	7=	2.07
	8=	5.03
	9=	4.62

AM/FM/SSB
RX/TX

IC9	1=	2.56
TA7310	2=	2.17
VCO	3=	1.38
MIXER	4=	2.56
	5=	GRD
	6=	5.03
	7=	2.05
	8=	5.04
	9=	1.31

AM/FM/SSB
RX/TX

IC10	1=	2.62
TA7310	2=	1.94
VCO	3=	1.23
MIXER	4=	2.65
	5=	GRD
	6=	5.03
	7=	2.09
	8=	5.04
	9=	4.62

AM/FM/SSB
RX/TX

IC11	1=	0.98
TC5082P	2=	2.85
CMOS FREQ.	3=	2.78
DIVIDER	4=	2.52
and AMP	5=	5.21
	6=	2.46
	7=	2.57
	8=	2.57
	9=	GRD

AM/FM/SSB
RX/TX

IC12	1=	GRD
HD10551	2=	GRD
	3=	2.21
	4=	GRD
	5=	4.22
	6=	4.22
	7=	4.22
	8=	2.37

IC13	1=	GRD
HD10551	2=	GRD
	3=	2.32
	4=	GRD
	5=	4.22
	6=	4.22
	7=	4.22
	8=	2.36

IC14	1=	2.62
TA7310	2=	2.28
VCO	3=	0.01
MIXER	4=	2.66
	5=	GRD
	6=	5.02
	7=	2.10
	8=	5.03
	9=	5.01

IC15	1=	13.64
NJM7808	2=	GRD
V-REG	3=	8.06

AM/FM/SSB

		RX	TX
IC16	1=	3.88	3.87
JRC4558D	2=	3.89	3.88
NJM4558D	3=	3.88	3.88
MIC-AMP	4=	GRD	GRD
	5=	4.16	2.14
	6=	3.11	3.11
	7=	7.10	2.10
	8=	7.78	7.77

		AM/FM		USB		LSB	
		RX	TX	RX	TX	RX	TX
IC17	1=	-2.37	-2.36	-2.37	-2.36	-2.37	-2.36
CX7925B	2=	4.86	4.87	4.86	4.87	4.86	4.87
	3=	4.86	4.87	4.86	4.87	4.86	4.87
	4=	4.87	4.87	4.87	4.87	4.87	4.87
	5=	2.00	2.00	2.00	2.00	2.00	2.00
	6=	2.18	2.18	2.6	2.16	2.20	2.20
	7=	3.43	3.43	3.43	3.43	3.43	3.43
	8=	0.21	0.22	0.19	0.20	0.23	0.24
	9=	6.57	6.57	6.57	6.57	6.57	6.57
	10=	0.23	0.23	0.23	0.23	0.23	0.23
	11=	0.48	0.48	0.48	0.48	0.48	0.48
	12=	4.78	4.78	4.78	4.78	4.78	4.78
	13=	2.00	2.00	2.00	2.00	2.00	2.00
	14=	GRD	GRD	GRD	GRD	GRD	GRD

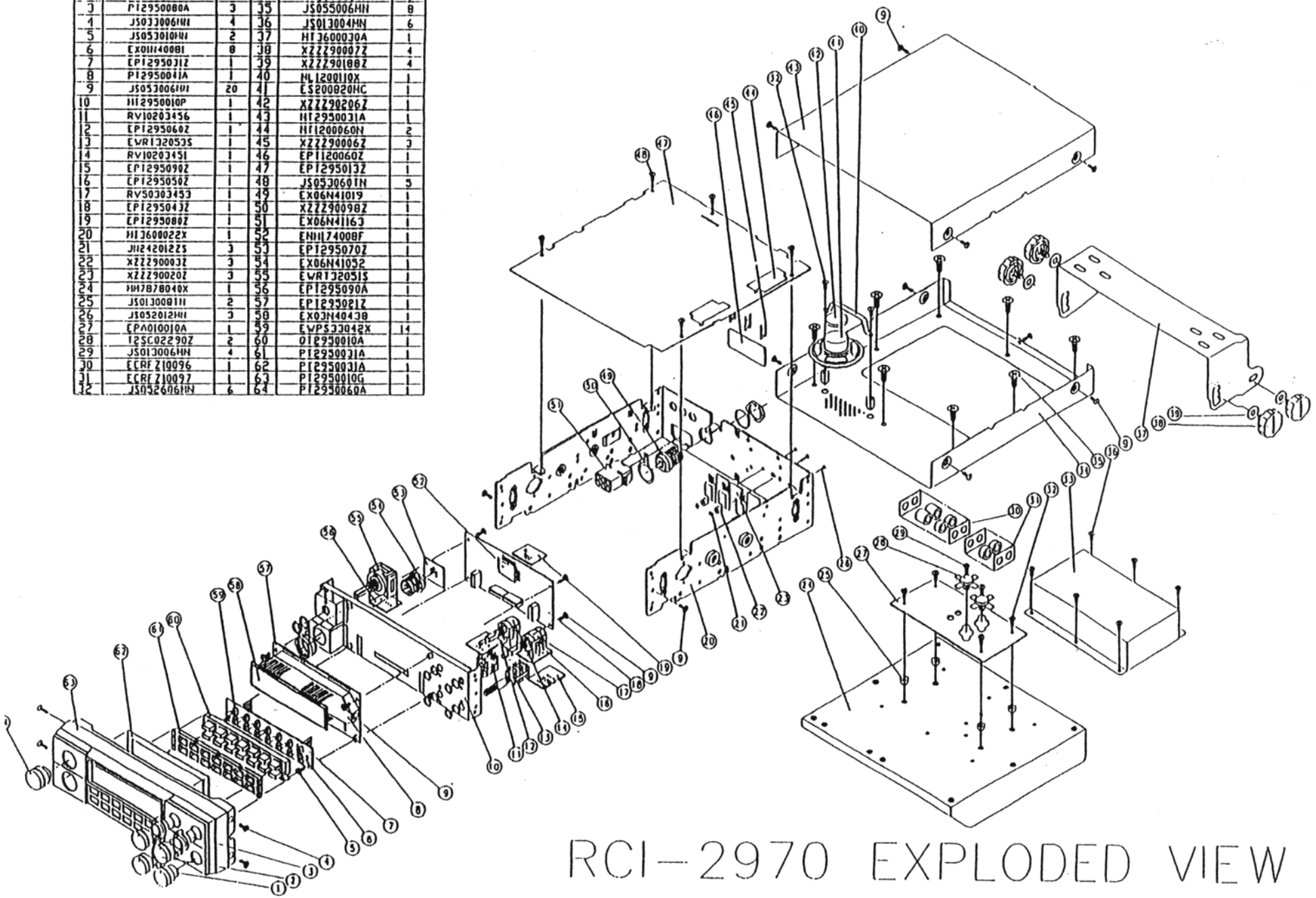
AM/FM/SSB

		RX	TX
IC19	1=	13.64	13.30
TA7222AP	2=	6.55	6.42
AUDIO-	3=	0.01	0.02
AMP	4=	0.00	0.50
	5=	1.10	2.14
	6=	1.11	2.12
	7=	GRD	GRD
	8=	GRD	GRD
	9=	6.80	0.01
	10=	12.92	11.02

		AM/FM/SSB	
		RX	TX
IC20	1=	GRD	GRD
S042P	2=	0.00	7.77
TRANS-	3=	0.00	7.77
MIXER	4=	GRD	GRD
	5=	0.00	7.77
	6=	GRD	GRD
	7=	0.00	2.92
	8=	0.00	2.92
	9=	GRD	GRD
	10=	0.00	0.82
	11=	-0.03	1.45
	12=	0.00	0.82
	13=	-0.03	1.45
	14=	GRD	GRD

		AM/FM		SSB	
		RX	TX	RX	TX
IC21	1=	8.05	8.04	0.78	0.73
TC4069UBP	2=	0.00	0.01	7.78	7.78
CMOS	3=	0.01	0.02	0.01	0.02
HEX	4=	8.06	8.05	0.79	0.73
INVERTER	5=	8.06	8.05	0.79	0.73
	6=	0.00	0.01	7.78	7.78
	7=	GRD	GRD	GRD	GRD
	8=	0.00	0.01	0.00	0.01
	9=	8.05	8.04	8.05	8.04
	10=	8.05	8.04	8.05	8.04
	11=	0.44	0.44	0.44	0.44
	12=	0.01	0.02	0.01	0.02
	13=	8.05	8.04	8.05	8.04
	14=	8.06	8.05	8.06	8.05

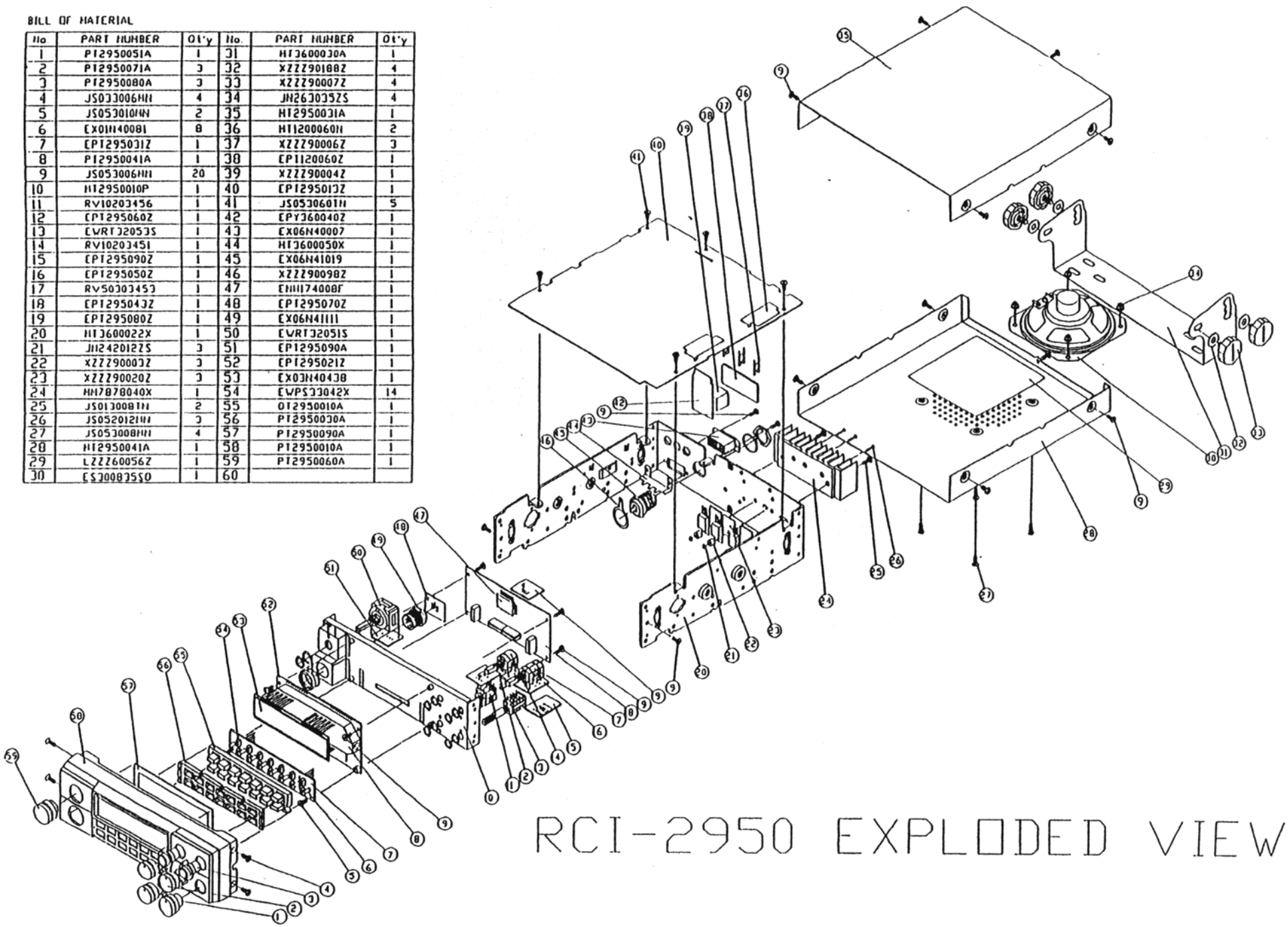
No.	PART NUMBER	Q'ty	No.	PART NUMBER	Q'ty
1	PI2950051A	1	33	HI2970040X	1
2	PI2950071A	3	34	HI2970020A	1
3	PI2950080A	3	35	JS055006HN	8
4	JS013006HN	4	36	JS013004HN	6
5	JS053010HN	2	37	HI3600030A	1
6	EX01N40081	8	38	XZZZ900077Z	4
7	EPI2950311Z	1	39	XZZZ900088Z	4
8	PI2950041A	1	40	NL1200110X	1
9	JS053006HN	20	41	ES200820HC	1
10	HI2950010P	1	42	XZZZ900206Z	1
11	RV10203456	1	43	HI2950031A	1
12	EPI2950602	1	44	HI1200060N	2
13	EWRI320535	1	45	XZZZ900066Z	3
14	RV10203451	1	46	EPI1200602	1
15	EPI2950902	1	47	EPI2950132	1
16	EPI2950502	1	48	JS053060IN	5
17	RV50303453	1	49	EX06N41019	1
18	EPI2950432	1	50	XZZZ900098Z	1
19	EPI2950802	1	51	EX06N41163	1
20	HI3600022X	1	52	ENII74008F	1
21	JII2420222S	3	53	EPI2950702	1
22	XZZZ900032	3	54	EX06N41052	1
23	XZZZ900202	3	55	EWRI320515	1
24	HH7878040X	1	56	EPI2950904	1
25	JS013008HN	2	57	EPI2950212	1
26	JS052012HN	3	58	EX03N40438	1
27	EPA0100104	1	59	EWPS330422X	14
28	12SC022902	2	60	01295001OA	1
29	JS013006HN	4	61	PI2950031A	1
30	ECRFZ10096	1	62	PI2950031A	1
31	ECRFZ10097	1	63	PI2950010G	1
32	JS052606HN	6	64	PI2950060A	1



RCI-2970 EXPLODED VIEW

BILL OF MATERIAL

No	PART NUMBER	Q'ty	No.	PART NUMBER	Q'ty
1	PT2950051A	1	31	HT3600030A	1
2	PT2950071A	3	32	XZZZ90188Z	4
3	PT2950080A	3	33	XZZZ90007Z	4
4	JS033006HN	4	34	JN263035ZS	4
5	JS053010HN	2	35	HT2950031A	1
6	EX01N40081	8	36	HT1200060N	2
7	EPT2950312	1	37	XZZZ90006Z	3
8	PT2950041A	1	38	EP1120060Z	1
9	JS053006HN	20	39	XZZZ90004Z	1
10	HT2950010P	1	40	EPT2950132	1
11	RV10203456	1	41	JS053060IN	5
12	EPT2950602	1	42	EPY3600402	1
13	EWRT320535	1	43	EX06N40007	1
14	RV10203451	1	44	HT3600050X	1
15	EPT2950902	1	45	EX06N41019	1
16	EPT2950502	1	46	XZZZ90098Z	1
17	RV503034503	1	47	EN1117400BF	1
18	EPT2950432	1	48	EPT2950702	1
19	EPT2950802	1	49	EX06N41111	1
20	HT3600022X	1	50	EWRT320515	1
21	JN242012ZS	3	51	EPT2950904	1
22	XZZZ90003Z	3	52	EPT2950212	1
23	XZZZ90002Z	3	53	EX03N40430	1
24	HH787B040X	1	54	EWPS331042X	14
25	JS013008IN	2	55	0T2950010A	1
26	JS052012IN	3	56	PT2950030A	1
27	JS053008HN	4	57	PT2950090A	1
28	HT2950041A	1	58	PT2950010A	1
29	LZZZ600562	1	59	PT2950060A	1
30	ES300835S0	1	60		



RCI-2950 EXPLODED VIEW