

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 1/2W (U) TYPE	RCU128204Z
R605	10K 0.1W	RCY011034Z
R606	56Ω 1/2W(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 (Cont)

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

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
2SC1674	C=	6.93	0.03	6.93	0.02	7.60
NPN	B=	1.18	0.02	1.18	0.01	1.30

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

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

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

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

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

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

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

	AM/FM		USB/LB	
	RX	TX	RX	TX
Q16	E=	0.67	0.68	0.68
2SC945	C=	5.04	5.05	5.01
NPN	B=	1.26	1.27	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		FM		USB/LSB	
		RX	TX	RX	TX	RX	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		FM			
		RX	TX	RX	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		FM		SSB	
		RX	TX	RX	TX	RX	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		USB/LSB			
		RX	TX	RX	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		USB/LSB			
		RX	TX	RX	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		USB/LSB			
		RX	TX	RX	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		FM		SSB	
		RX	TX	RX	TX	RX	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		FM		SSB	
		RX	TX	RX	TX	RX	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	TX				
Q26	E=	2.28	2.29				
2SC945	C=	7.19	7.20				
NPN	B=	2.82	2.84				
		AM/FM/SSB					
		RX	TX				
Q27	E=	2.70	2.71				
2SC1675	C=	5.93	5.94				
NPN	B=	3.44	3.45				
		AM/FM/SSB					
		RX	TX				
Q28	E=	GRD	GRD				
2SC1675	C=	4.36	4.37				
NPN	B=	0.72	0.72				
		AM	FM	SSB			
		RX	TX	RX	TX	RX	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		SSB			
		RX	TX	RX	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	FM	SSB			
		RX	TX	RX	TX	RX	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	TX				
Q32	E=	GRD	GRD				
2SC945	C=	0.01	0.01				
NPN	B=	0.71	0.01/0.50w/MOD				
		AM/FM/SSB					
		RX	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	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		ROGER		
BEEP		BEEP		
ON		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	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	
	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	
	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	
	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**

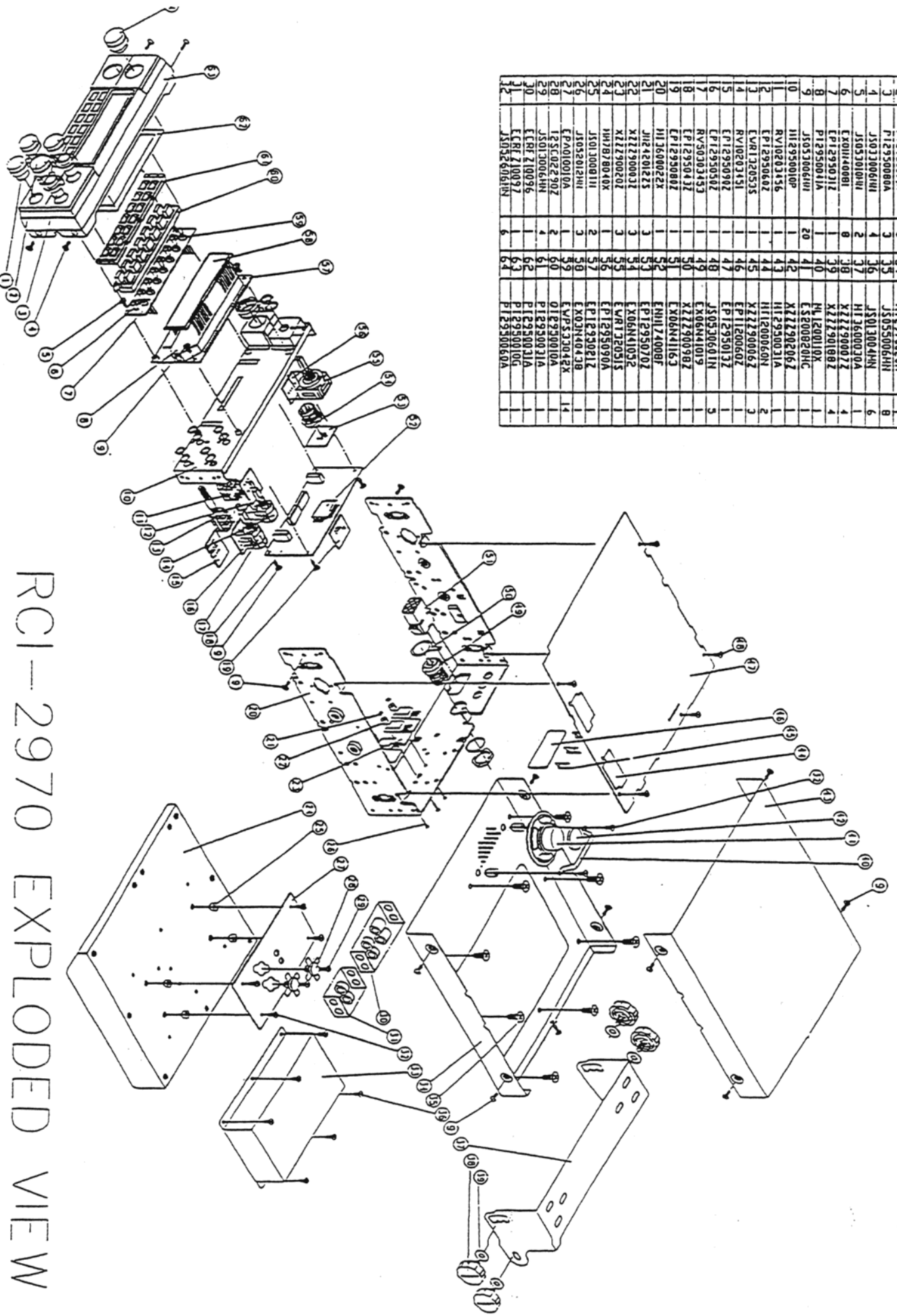
IC19	1= 13.64	13.30
TA7222AP	2= 6.55	6.42
AUDIO-	3= 0.01	0.02
AMP	4= 0.00	0.50
	5= 1.10	2.14
	6= 1.11	2.12
	7= GRD	GRD
	8= GRD	GRD
	9= 6.80	0.01
	10= 12.92	11.02

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

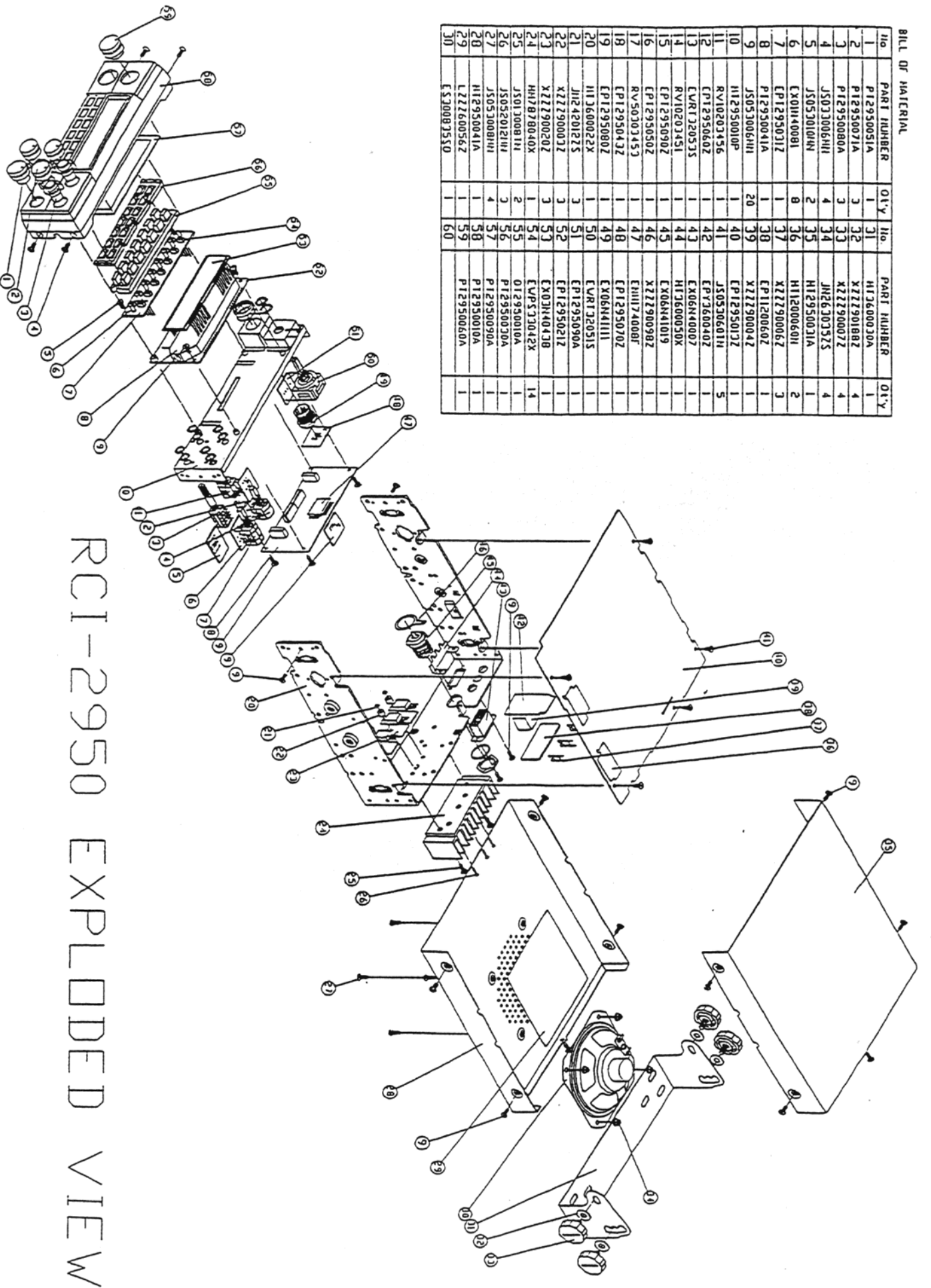
NO.	PART NUMBER	QTY.	NO.	PART NUMBER	QTY.
1	P12950031A	1	33	H12920040X	1
2	P12950071A	3	34	H12920020A	1
3	P12950080A	3	35	J5055006HN	8
4	J5033006HN	4	36	J5013004HN	6
5	J5051010HN	2	37	H12600030A	1
6	EX01140081	8	38	XZ12900072	4
7	EP12950112	1	39	XZ12901002	4
8	P12950011A	1	40	PL1200110X	1
9	J5051006HN	20	41	LS200020HC	1
10	H12950010P	1	42	XZ12902062	1
11	RV10203156	1	43	H12930031A	1
12	EP12950602	1	44	H11200060N	2
13	EV01120535	1	45	XZ12900062	3
14	RV10203151	1	46	EP11200602	1
15	EP12950912	1	47	EP12950132	1
16	EP12950502	1	48	J50530061N	3
17	RV50303453	1	49	EX06N41039	1
18	EP12950412	1	50	XZ12900982	1
19	EP12950892	1	51	EX06N41163	1
20	H13600022X	1	52	FNH124008F	1
21	JH1240125	3	53	EP12950702	1
22	XZ12900031	3	54	EX06N41052	1
23	XZ12900202	1	55	EV01120515	1
24	JH12780140X	1	56	EP1295090A	1
25	J5013000111	2	57	EP12950812	1
26	J5052012HN	3	58	EX03140438	1
27	EP01001010A	1	59	EP533042X	14
28	TS02022302	2	60	012930010A	1
29	J5013006HN	4	61	P12950031A	1
30	ECRF710096	1	62	P12950011A	1
31	ECRF710092	1	63	P12950010G	1
32	J50520061N	1	64	P12950080A	1



RC1-2970 EXPLODED VIEW

BILL OF MATERIAL

NO	PART NUMBER	QTY	NO	PART NUMBER	QTY
1	P12950051A	1	31	H13600030A	1
2	P12950071A	3	32	XZ729018Z	4
3	P12950080A	3	33	XZ7290007Z	4
4	J5033006H1	4	34	JH263035Z5	4
5	J5053006H1	2	35	H12950031A	1
6	EX01H40081	8	36	H1120006011	2
7	EP1295031Z	1	37	XZ7290006Z	3
8	P12950041A	1	38	EP1120060Z	1
9	J5053006H1	20	39	XZ7290004Z	1
10	H12950010P	1	40	EP1295013Z	1
11	RV10203456	1	41	J505306011H	5
12	EP1295060Z	1	42	EPY360040Z	1
13	EVRT320535	1	43	EX06H40007	1
14	RV10203451	1	44	H13600030X	1
15	EP1295060Z	1	45	EX06H41019	1
16	EP1295050Z	1	46	XZ7290098Z	1
17	RV50303453	1	47	EH1174008F	1
18	EP1295043Z	1	48	EP1295070Z	1
19	EP1295080Z	1	49	EX06H41111	1
20	H13600022X	1	50	EVRT320515	1
21	JH2420125	3	51	EP1295090A	1
22	XZ7290003Z	3	52	EP1295021Z	1
23	XZ7290020Z	3	53	EX03H40438	1
24	H117878040X	1	54	EVRS33042X	14
25	J501300811H	2	55	O12950010A	1
26	J505501211H	3	56	P12950030A	1
27	J5053008H1	4	57	P12950090A	1
28	H12950041A	1	58	P12950010A	1
29	L2Z260056Z	1	59	P12950060A	1
30	CS30083550	1	60		



RCI-2950 EXPLODED VIEW