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VIKING 352 D

PARTS LIST

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
CAPACITORS			C301	1 μ F electrolytic 50 WV	022-2810-009
C1	0.04 μ F mylar 50 WV	510-1003-473	C302	Same as C301	
C2	220 μ F electrolytic 16 WV	022-2810-017	C303	10 μ F electrolytic 16 WV	022-2810-013
C3	0.01 μ F ceramic 50 WV	510-3002-103	C304	0.01 μ F ceramic 50 WV	510-3002-103
C4	Same as C3		C305	4.7 μ F electrolytic	022-2810-019
C5	10 μ F electrolytic	022-2810-013	C306	0.22 μ F electrolytic 50 WV	022-2810-502
C6	56 pF ceramic 50 WV	510-3013-560	C307	0.01 μ F mylar 50 WV	022-2810-022
C7	100 pF ceramic 50 WV	510-3013-101	C308	Same as C307	
C8	47 pF ceramic 50 WV	510-3013-470	C309	0.0047 μ F mylar 50 WV	022-2810-016
C9	2 pF ceramic 50 WV	022-2810-501	C310	0.04 μ F mylar 50 WV	510-1003-473
C10	0.01 μ F ceramic 50 WV	510-3002-103	C311	0.01 μ F mylar 50 WV	022-2810-022
C11	15 pF ceramic 50 WV	510-3013-150	C312	120 pF ceramic 50 WV	510-3020-121
C12	56 pF ceramic 50 WV	510-3013-560	C313	300 pF mica 50 WV	510-0001-301
C13	0.01 μ F ceramic 50 WV	510-3002-103	C314	47 μ F electrolytic 16 WV	022-2810-015
C14	30 pF ceramic 50 WV	510-0002-300	C315	0.01 μ F ceramic 50 WV	510-3002-103
C15	0.04 μ F mylar 50 WV	510-1003-473	C316	220 μ F electrolytic 16 WV	022-2810-017
C16	0.22 μ F electrolytic 50 WV	022-2810-502	C317	0.033 μ F mylar 50 WV	510-1003-333
C17	5 pF ceramic 50 WV	510-3013-509	C318	47 μ F electrolytic 16 WV	022-2810-015
C18	0.22 μ F electrolytic	022-2810-502	C319	0.01 μ F ceramic 50 WV	510-3002-103
C19	1 μ F tantal 25 WV	510-2045-109	C320	0.1 μ F mylar 50 WV	510-1003-104
C20	5 pF ceramic 50 WV	510-3013-509	C321	Same as C320	
C21	1.5 pF ceramic 50 WV	022-2810-503	C322	470 μ F electrolytic 16 WV	022-2810-018
C22	0.04 μ F mylar 50 WV	510-1003-473	C323	220 μ F electrolytic 16 WV	022-2810-017
C23	100 pF ceramic 50 WV	510-3013-101	C324	Same as C323	
C24	Same as C23		C325	0.04 μ F mylar 50 wV	510-1003-473
C25	0.001 μ F ceramic 50 WV	510-3002-102	C401	20 pF ceramic 50 WV	022-2810-504
C26	0.01 μ F ceramic 50 WV	510-3002-103	C402	0.01 μ F ceramic 50 WV	510-3002-103
C27	Same as C26		C403	0.47 μ F electrolytic 50 WV	022-2810-025
C28	0.001 μ F ceramic 50 WV	510-3002-102	C404	0.01 μ F ceramic 50 WV	510-3002-103
C29	Same as C28		C405	3 pF ceramic 50 WV	022-2810-505
C30	0.01 μ F ceramic 50 WV	510-3002-103	C406	Same as C405	
C31	330 pF mica 50 WV	510-0004-331	C407	0.01 μ F ceramic 50 WV	510-3002-103
C32	150 pF ceramic 50 WV	510-0002-151	C408	Same as C407	
C33	0.001 μ F ceramic 50 WV	510-3002-102	C409	5 pF ceramic 50 WV	510-3013-509
C34	22 pF ceramic 50 WV	510-3013-220	C410	0.01 μ F ceramic 50 WV	510-3002-103
C35	0.01 μ F ceramic 50 WV	510-3002-103	C411	15 pF ceramic 50 WV	510-3013-150
C36	Same as C35		C412	0.01 μ F ceramic 50 WV	510-3002-103
C101	1000 pF feedthru capacitor	022-2810-020	C413	Same as C412	
C102	0.01 μ F ceramic 50 WV	510-3002-103	C414	33 pF ceramic 50 WV	510-3013-330
C103	2200 μ F electrolytic 16 WV	022-2810-021	C415	62 pF ceramic 50 WV	510-3013-620
C104	220 μ F electrolytic 16 WV	022-2810-017	C416	0.04 μ F mylar 50 WV	510-1003-473
C105	Same as C104		C417	20 pF ceramic 50 WV	022-2810-504
C106	Same as C104		C418	0.04 μ F mylar 50 WV	510-1003-473
C107	0.01 μ F ceramic 50 WV	510-3002-103	C419	0.001 μ F ceramic 50 WV	510-3002-102
C201	Same as C107		C420	0.01 μ F ceramic 50 WV	510-3002-103
C202	Same as C107		C421	20 pF ceramic 50 WV	022-2810-504
C203	Same as C107		C422	0.01 μ F ceramic 50 WV	510-3002-103
C204	1 μ F electrolytic 50 WV	022-2810-009	C423	20 pF ceramic 50 WV	022-2810-504
C205	0.01 μ F ceramic 50 WV	510-3002-103	C424	0.01 μ F ceramic 50 WV	510-3002-103
C206	0.001 μ F ceramic 50 WV	510-3002-102	C425	20 pF ceramic 50 WV	022-2810-504
C207	10 μ F electrolytic 16 WV	022-2810-013	C427	15 pF ceramic 50 WV	510-3013-150
C208	0.01 μ F ceramic 50 WV	510-3002-103	C428	56 pF ceramic 50 WV	510-3013-560
C209	4.7 μ F electrolytic 25 WV	022-2810-019	C429	0.001 μ F ceramic 50 WV	510-3002-102
C210	Same as C209		C430	1 μ F electrolytic 50 WV	022-2810-009
C211	1 μ F electrolytic 50 WV	022-2810-009	C501	0.001 μ F ceramic 50 WV	510-3002-102
C212	47 μ F electrolytic 16 WV	022-2810-015	C502	0.04 μ F mylar 50 WV	510-1003-473
C213	10 μ F electrolytic 16 WV	022-2810-013	C504	0.04 μ F mylar 50 WV	510-1003-473
C214	1 μ F electrolytic 50 WV	022-2810-009	C505	0.01 μ F ceramic 50 WV	510-3002-103
C215	0.04 μ F mylar 50 WV	510-1003-473	C506	20 pF ceramic 50 WV	022-2810-504
C216	0.47 μ F electrolytic	022-2810-025	C507	0.05 μ F ceramic 50 WV	510-3002-103
C217	0.04 μ F mylar		C508	0.04 μ F mylar 50 WV	510-1003-473
C218	100 μ F electrolytic	510-1003-473	C509	Same as C508	
C219	0.04 μ F mylar 50 WV	510-1003-473	C510	Same as C508	
			C511	Same as C508	

PARTS LIST (cont'd)

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
C512	Same as C508		C718	0.01 μ F ceramic 50 WV	510-3002-103
C513	Same as C508		C719	Same as C718	
C514	Same as C508		C720	0.1 μ F mylar 50 WV	510-1003-104
C515	Same as C508		C721	82 pF ceramic 50 WV	510-3013-820
C516	Same as C508		C722	150 pF ceramic 50 WV	510-0002-151
C517	0.001 μ F ceramic 50 WV	510-3002-102	C723	10 μ F electrolytic 16 WV	022-2810-013
C518	0.04 μ F mylar 50 WV	510-1003-473	C724	0.01 μ F ceramic 50 WV	510-3002-103
C519	1 pF ceramic 50 WV	022-2810-506	C725	56 pF ceramic 50 WV	510-3013-560
C520	0.01 μ F ceramic 50 WV	510-3002-102	C726	0.047 μ F \pm 20% 50V Disc	510-3002-473
C521	Same as C520		C727	Same as C726	
C522	0.04 μ F mylar 50 WV	510-1003-473	C728	300 pF mica 50 WV	510-0001-301
C523	0.01 μ F ceramic 50 WV	510-3002-102	C729	400 pF mica 50 WV	022-2810-006
C524	1 μ F electrolytic 50 WV	022-2810-009	C730	20 pF ceramic 50 WV	022-2810-504
C525	10 μ F electrolytic 16 WV	022-2810-013	C731	0.01 μ F ceramic 50 WV	510-3002-103
C526	0.01 μ F ceramic 50 WV	510-3002-103	C732	2 pF ceramic 50 WV	022-2810-501
C527	1 μ F electrolytic 50 WV	022-2810-009	C733	130 pF ceramic 50 WV	510-3013-131
C528	Same as C527		C734	0.01 μ F ceramic 50 WV	510-3002-103
C529	Same as C527		C735	Same as C734	
C530	47 pF ceramic 50 WV	510-3013-470	C736	Same as C734	
C531	100 pF ceramic 50 WV	510-3013-101	C737	62 pF ceramic 50 WV	510-3013-620
C532	0.1 μ F mylar 50 WV	510-1003-104	C738	10 pF trim	022-2812-004
C533	0.04 μ F mylar 50 WV	510-1003-473	C739	100 pF ceramic 50 WV	510-3013-101
C534	1 μ F electrolytic 50 WV	022-2810-009	C741	0.1 μ F mylar 50 WV	510-1003-104
C535	Same as C534		C742	0.01 μ F ceramic 50 WV	510-3002-103
C536	3 pF ceramic 50 WV	022-2810-505	C743	10 μ F electrolytic 16 WV	022-2810-013
C537	1 μ F electrolytic 50 WV	022-2810-009	C744	0.01 μ F ceramic 50 WV	510-3002-103
C538	0.01 μ F ceramic 50 WV	510-3002-103	C745	10 μ F electrolytic 16 WV	022-2810-013
C539	0.1 μ F mylar 50 WV	510-1003-104	C801	0.04 μ F mylar 50 WV	510-1003-473
C540	0.01 μ F ceramic 50 WV	510-3002-103	C802	Same as C801	
C541	3 pF ceramic 50 WV	022-2810-505	C803	Same as C801	
C542	0.01 μ F ceramic 50 WV	510-3002-103	C804	Same as C801	
C543	0.04 μ F mylar 50 WV	510-1003-473	C805	Same as C801	
C544	0.01 μ F ceramic 50 WV	510-3002-103	C806	0.01 μ F ceramic 50 WV	510-3002-103
C601	Same as C544		C807	Same as C806	
C602	Same as C544		C808	0.01 μ F ceramic 50 WV	510-3002-103
C603	5 pF ceramic 50 WV	510-3013-509	C809	Same as C808	
C604	10 pF trim	022-2812-004	C810	Same as C808	
C605	0.01 μ F ceramic 50 WV	510-3002-103			
C606	500 pF mica 50 WV	510-0001-511		DIODES	
C607	180 pF ceramic 50 WV	510-3013-181	CR1	Silicon BB142	022-2823-501
C608	0.01 μ F ceramic 50 WV	510-3002-103	CR2	Silicon 1N4448	523-1000-883
C609	10 pF ceramic 50 WV	510-3013-100	CR3	Same as CR2	
C610	Same as C609		CR4	Silicon 1S2688	022-2823-503
C611	15 pF ceramic 50 WV	510-3013-150	CR101	Silicon U05B	022-2823-001
C612	0.04 μ F mylar 50 WV	510-1003-473	CR102	Zener 9V1W BZ090	022-2823-002
C613	100 pF ceramic 50 WV	510-3013-101	CR103	Same as CR102	
C614	0.01 μ F ceramic 50 WV	510-3002-103	CR104	Same as CR102	
C615	15 pF ceramic 50 WV	510-3013-150	CR201	Silicon 1N4448	523-1000-883
C616	10 pF trim	022-2812-004	CR202	Germanium 1N60	022-2823-003
C617	0.01 μ F ceramic 50 WV	510-3002-103	CR203	Silicon 1N4448	523-1000-883
C618	0.001 μ F ceramic 50 WV	510-3002-102	CR204	Same as CR203	
C701	100 pF ceramic 50 WV	510-3013-101	CR205	Silicon 1N4448	523-1000-883
C702	5 pF ceramic 50 WV	510-3013-509	CR301	Germanium 1N60	022-2823-003
C703	0.01 μ F ceramic 50 WV	510-3002-103	CR402	Silicon 1S2472	022-2823-005
C704	Same as C703		CR403	Same as CR402	
C706	0.01 μ F ceramic 50 WV	510-3002-103	CR404	Silicon 1N4448	523-1000-883
C707	10 μ F electrolytic 16 WV	022-2810-013	CR405	Germanium 1N60	022-2823-003
C708	0.01 μ F ceramic 50 WV	510-3002-103	CR406	Same as CR405	
C709	220 pF ceramic 50 WV	022-2810-507	CR407	Same as CR405	
C710	0.01 μ F ceramic 50 WV	510-3002-103	CR408	Germanium 1N34A	022-2823-006
C711	Same as C710		CR501	Germanium 1N60	022-2823-003
C712	130 pF ceramic 50 WV	510-3013-131	CR502	Same as CR501	
C713	0.01 μ F ceramic 50 WV	510-3002-103	CR503	Same as CR501	
C714	Same as C713		CR504	Same as CR501	
C715	Same as C713		CR505	Same as CR501	
C716	30 pF ceramic 50 WV	510-3013-300	CR506	Same as CR501	
C717	100 pF ceramic 50 WV	510-3013-101			

PARTS LIST (cont'd)

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
CR507	Germanium 1N34A	022-2823-006		Knob, RF gain	547-0014-002
CR508	Silicon 1N4448	523-1000-883		Knob, finetune	547-0014-002
CR509	Same as CR508				
CR510	Germanium 1N60	022-2823-003		RELAY	
CR511	Silicon 1N4448	523-1000-883			
CR512	Same as CR511		K1	Relay	022-2867-001
CR513	Germanium 1N60	022-2823-003		INDUCTORS	
CR514	Silicon 1N4448	523-1000-883			
CR515	Same as CR514				
CR516	Same as CR514		L1	100μH choke	022-2842-501
CR601	Same as CR514		L2	150μH choke	022-2842-003
CR602	Same as CR514		L3	Z368N 10 mm 19 MHz OSC	022-2842-503
CR603	Same as CR514		L4	C354N 10 mm 19 MHz	022-2842-504
CR604	Germanium 1N60P	022-2823-502	L5	Y369N 10 mm 10 MHz OSC	022-2842-505
CR605	Same as CR604		L6	Y370N 10 mm 10 MHz OSC	022-2842-506
CR606	Same as CR604		L101	K18 AF choke	022-2842-001
CR607	Same as CR604		L201	22μH choke	022-2842-502
CR608	Germanium 1N60	022-2823-003	L401	470μH choke	022-2842-002
CR701	Silicon 1N4448	523-1000-883	L402	Same as L401	
CR702	Silicon 1S990S	022-2823-010	L403	130 mH	022-2842-507
CR703	Same as CR702		L601	22μH choke	022-2842-502
CR704	Same as CR702		L602	Same as L601	
CR705	Silicon 10D4	022-2823-011	L603	150μH choke	022-2842-003
CR706	Same as CR705		L701	0.65μH RFC	022-2842-006
CR707	Germanium 1N60	022-2823-003	L702	Same as L701	
CR708	Same as CR707		L703	1.2μH choke	022-2842-008
CR709	Silicon 1N4448	523-1000-883	L704	0.22μH RFC	022-2842-005
CR710	Germanium 1N60	022-2823-003	L705	C997N 27 MHz ANT coil	022-2842-007
	LAMPS		L706	22μH RFC	542-3002-002
DS101	Pilot lamp 14V 75 mA (channel)	022-2849-001	L707	Same as L706	
DS102	Pilot lamp 14V 75 mA (meter)	022-2849-001	L708	0.22μH RFC	022-2842-005
DS103	Pilot lamp 16V 75 mA (USB)	022-2849-002	L709	0.65μH RFC	022-2842-006
DS104	Pilot lamp 16V 75 mA (AM)	022-2849-002		SPEAKER	
DS105	Pilot lamp 16V 75 mA (LSB)	022-2849-002	LS1	Speaker	022-2889-001
DS106	Pilot lamp 16V 75 mA (RX)	022-2849-002		METER	
DS107	Pilot lamp red 16V 40 mA (TX)	022-2849-003			
	FUSES		M1	Meter	022-2854-001
F101	Fuse	534-0003-026		TRANSISTORS	
	FILTER		Q1	2SC710C NPN 19 MHz V. C. O.	022-2876-007
F501	Crystal filter 7.8 MHz	022-2832-501	Q2	2SC710C NPN buffer amp	022-2876-007
	IC's		Q3	2SC710C NPN out of lock amp	022-2876-007
IC1	78L06C	022-2844-501	Q4	2SA844C PNP out of lock amp	022-2876-501
IC2	NDC40 013	022-2844-502	Q5	2SC710C NPN buffer amp	022-2876-007
IC301	HA1339	022-2844-001	Q6	3SK41L FET mixer	022-2876-013
IC401	UA703	022-2844-002	Q7	2SC710C NPN multiplier	022-2876-007
	CONNECTORS		Q8	2SC710C NPN buffer amp	022-2876-007
J201	MIC connector	515-1003-001	Q9	2SC710C NPN 10 MHz standard oscillator	022-2876-007
J301	3.5 connector	022-2815-001	Q10	2SC710C NPN	022-2876-007
J302	Same as J301		Q201	2SK40C FET limiter	022-2876-502
J701	Antenna connector	515-3003-001	Q202	2SD187Y NPN mic amp	022-2876-002
	KNOBS		Q301	2SC710C NPN squelch amp	022-2876-007
	Knob, mode switch	547-0014-002	Q302	2SA844C PNP	022-2876-501
	Knob, channel selector	547-0014-001	Q303	2SC372Y NPN AF preamp	022-2876-003
	Knob, squelch	547-0014-002	Q304	2SC372Y NPN active filter	022-2876-003
	Knob, volume	547-0014-002	Q305	2SC1061 NPN AM mod.	022-2876-014
			Q401	2SK41E FET RF amp	022-2876-503
			Q402	2SC710C NPN RF AGC amp	022-2876-007
			Q403	3SK41L FET RX mixer	022-2876-013
			Q404	2SC710C NPN IF amp	022-2876-007
			Q405	2SK54B FET noise emp	022-2876-504

PARTS LIST (cont'd)

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
Q406	2SK55D FET blanker gate	022-2876-006	R202	10K ohm 1/4 W carbon	569-1002-103
Q501	2SC710C NPN IF Amp	022-2876-007	R204	Same as R202	
Q502	2SC710C NPN out of lock killer	022-2876-007	R205	2.2K ohm 1/4 W carbon	569-1002-222
Q503	2SC710C NPN IF amp	022-2876-007	R206	330 ohm 1/4 W carbon	569-1002-331
Q504	Same as Q503		R207	1K ohm variable	022-2862-006
Q505	2SC710C NPN SSB det.	022-2876-007	R208	3.3K ohm 1/4 W carbon	569-1002-332
Q506	Same as Q505		R209	15K ohm 1/4 W carbon	569-1002-153
Q507	2SC372Y NPN SSB S-meter amp	022-2876-003	R210	2.2K ohm 1/4 W carbon	569-1002-222
Q508	2SK34E FET AGC amp	022-2876-505	R211	470 ohm 1/4 W carbon	569-1002-471
Q509	2SC710C NPN	022-2876-007	R212	4.7K ohm 1/4 W carbon	569-1002-472
Q601	Same as Q509		R213	3.3K ohm 1/4 W carbon	569-1002-332
Q602	Same as Q509		R214	4.7K ohm 1/4W carbon	569-1002-102
Q603	2SC710C NPN carrier OSC	022-2876-007	R215	Same as R214	569-1002-472
Q604	2SC710C NPN buffer amp	022-2876-007	R216	Same as R215	
Q701	3SK41L FET TX mixer	022-2876-013	R217	3.3K ohm 1/4 W carbon	569-1002-332
Q702	2SC710C NPN TX amp	022-2876-007	R301	10K ohm variable	022-2862-007
Q703	2SC1449 NPN predriver	022-2876-010	R302	Squelch control 10K ohm	022-2862-002
Q704	2SC1306 NPN driver	022-2876-011	R303	100 ohm 1/4 W carbon	569-1002-101
Q705	2SC1969 NPN power amp	022-2876-506	R304	56K ohm 1/4 W carbon	569-1002-563
	RESISTORS		R305	33K ohm 1/4 W carbon	569-1002-333
R1	47 ohm 1/4 W carbon	569-1002-470	R306	1K ohm 1/4 W carbon	569-1002-102
R2	3.3K ohm 1/4 W carbon	569-1002-332	R307	Volume control 10K ohm	022-2862-001
R3	10K ohm 1/4 W carbon	569-1002-103	R308	15K ohm 1/4 W carbon	569-1002-153
R4	47K ohm 1/4 W carbon	569-1002-473	R309	4.7K ohm 1/4 W carbon	569-1002-472
R5	4.7K ohm 1/4 W carbon	569-1002-472	R310	1K ohm 1/4 W carbon	569-1002-102
R6	220 ohm 1/4 W carbon	569-1002-221	R311	3.3K ohm 1/4 W carbon	569-1002-332
R7	10K ohm 1/4 W carbon	569-1002-103	R312	1K ohm 1/4 W carbon	569-1002-102
R8	1K ohm 1/4 W carbon	569-1002-102	R313	10K ohm 1/4 W carbon	569-1002-103
R9	330 ohm 1/4 W carbon	569-1002-331	R314	Same as R313	
R10	3.3K ohm 1/4 W carbon	569-1002-332	R315	1.8K ohm 1/4 W carbon	569-1002-182
R11	1.5K ohm 1/4 W carbon	569-1002-152	R316	4.7K ohm 1/4 W carbon	569-1002-472
R12	4.7K ohm 1/4 W carbon	569-1002-472	R317	Same as R316	
R13	470 ohm 1/4 W carbon	569-1002-471	R318	Same as R316	
R14	47K ohm 1/4 W carbon	569-1002-473	R319	330 ohm 1/4 W carbon	569-1002-331
R15	1K ohm 1/4 W carbon	569-1002-102	R401	150K ohm 1/4W carbon	569-1002-154
R16	Same as R15		R402	10K ohm 1/4 W carbon	569-1002-103
R17	100 ohm	569-1002-101	R403	100K ohm 1/4 W carbon	569-1002-104
R18	10K ohm	569-1002-103	R404	470 ohm 1/4 W carbon	569-1002-471
R19	Same as R18		R405	1M ohm 1/4 W carbon	569-1002-105
R20	56K ohm	569-1002-563	R406	100K ohm 1/4 W carbon	569-1002-104
R21	100K ohm	569-1002-104	R407	47 ohm 1/4 W carbon	569-1002-470
R22	Same as R21		R408	470 ohm 1/4 W carbon	569-1002-471
R23	100 ohm	569-1002-101	R409	3.3K ohm 1/4 W carbon	569-1002-332
R24	100K ohm	569-1002-104	R410	100 ohm 1/4 W carbon	569-1002-101
R25	4.7K ohm	569-1002-472	R411	1K ohm 1/4 W carbon	569-1002-102
R26	22K ohm	569-1002-223	R412	470 ohm 1/4 W carbon	569-1002-471
R27	330 ohm	569-1002-331	R413	47K ohm 1/4 W carbon	569-1002-473
R28	100 ohm	569-1002-101	R414	1K ohm 1/4 W carbon	569-1002-102
R29	1K ohm	569-1002-102	R415	22K ohm 1/4 W carbon	569-1002-223
R30	6.8K ohm	569-1002-682	R416	220K ohm 1/4 W carbon	569-1002-224
R31	47K ohm	569-1002-473	R417	1M ohm 1/4 W carbon	569-1002-105
R32	1K ohm	569-1002-102	R418	Same as R417	
R33	22K ohm	569-1002-223	R419	1K ohm 1/4 W carbon	569-1002-102
R34	1K ohm 1/4 W carbon	569-1002-102	R420	2.7K ohm 1/4 W carbon	569-1002-272
R35	6.8K ohm 1/4 W carbon	569-1002-682	R501	1K ohm 1/4 W carbon	569-1002-102
R36	3.3K ohm 1/4 W carbon	569-1002-332	R502	200 ohm 1/4 W carbon	569-1002-201
R37	1K ohm 1/4 W carbon	569-1002-102	R503	22 ohm 1/4 W carbon	569-1002-220
R101	56 ohm 1 W metal oxide	569-1006-560	R504	1K ohm 1/4 W carbon	569-1002-102
R102	Same as R101		R505	10K ohm 1/4 W carbon	569-1002-103
R103	33 ohm 1 W metal oxide	569-1006-330	R506	3.3K ohm 1/4 W carbon	569-1002-332
R104	10K ohm variable	022-2862-012	R507	470 ohm 1/4 W carbon	569-1002-471
R105	Finetune control 10K ohm	022-2862-004	R508	3.3K ohm 1/4 W carbon	569-1002-332
R106	2.2K ohm 1/4W carbon	569-1002-222	R509	15K ohm 1/4 W carbon	569-1002-153
R107	6.8K ohm 1/4W carbon	569-1002-682	R510	100 ohm 1/4 W carbon	569-1002-101
R201	270K ohm 1/4 W carbon	569-1002-274	R511	1K ohm 1/4 W carbon	569-1002-102
			R512	470 ohm 1/4 W carbon	569-1002-471
			R513	15K ohm 1/4 W carbon	569-1002-153

PARTS LIST (cont'd)

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
R514	3.3K ohm 1/4 W carbon	569-1002-332	R719	22 ohm 1/2 W solid	569-1004-220
R515	220 ohm 1/4 W carbon	569-1002-221	R720	150 ohm 1 W metal oxide	022-2869-002
R516	100 ohm 1/4 W carbon	569-1002-101	R721	10K ohm 1/4 W carbon	569-1002-103
R517	20K ohm variable	022-2862-008	R722	3.3K ohm 1/4 W carbon	569-1002-332
R518	15K ohm 1/4 W carbon	569-1002-153	R723	4.7K ohm 1/4 W solid	569-1002-472
R519	3.3K ohm 1/4 W carbon	569-1002-332	R724	1K ohm 1/4 W carbon	569-1002-102
R520	Same as R519		R725	10K ohm variable	022-2862-012
R521	10K ohm 1/4 W carbon	569-1002-103	R726	1K ohm 1/4 W carbon	569-1002-102
R522	Same as R521		R727	100K ohm variable	022-2862-009
R523	1K ohm 1/4 W carbon	569-1002-102			
R524	15K ohm 1/4 W carbon	569-1002-153		THERMISTORS	
R525	4.7K ohm 1/4 W carbon	569-1002-472			
R526	2.2K ohm 1/4 W carbon	569-1002-222	RT201	TD5C310 10K ohm	022-2869-005
R527	470 ohm 1/4 W carbon	569-1002-471	RT501	TDSC310 10K ohm	022-2869-005
R528	50K ohm 1/4W carbon	022-2862-009			
R529	33K ohm 1/4 W carbon	569-1002-333		SWITCHES	
R530	22K ohm 1/4 W carbon	569-1002-223			
R531	33K ohm 1/4 W carbon	569-1002-333	S1	ON/OFF switch/volume control	022-2862-001
R532	Same as R531		S2	Mode switch	022-2883-002
R533	1M ohm 1/4 W carbon	569-1002-105	S3	CB-PA slide switch	022-2883-003
R534	33K ohm 1/4 W carbon	569-1002-333	S4	NB ON-OFF slide switch	022-2883-004
R535	1K ohm 1/4 W carbon	569-1002-102	S5	Channel selector switch	022-2883-501
R536	10K ohm 1/4 W carbon	569-1002-103			
R537	Same as R536			TRANSFORMERS	
R538	470K ohm 1/4 W carbon	569-1002-474			
R539	47K ohm 1/4 W carbon	569-1002-473	T1	Z177Z 10 mm 20 MHz	022-2892-501
R540	1K ohm 1/4 W carbon	569-1002-102	T401	C365Z 10 mm 27 MHz ANT	022-2892-502
R541	100K ohm 1/4 W carbon	569-1002-104	T402	C187A 10 mm 27 MHz RF	022-2892-003
R542	5K ohm variable	022-2862-013	T403	S183A 10 mm 7.8 MHz IF	022-2892-002
R543	47K ohm 1/4 W carbon	569-1002-473	T404	S183A 10 mm 7.8 MHz trap	022-2892-002
R544	3.3K ohm 1/4 W carbon	569-1002-332	T405	S183A 10 mm 6 MHz noise IF	022-2892-002
R545	270 ohm 1/4 W carbon	569-1002-271	T406	Z177Z 10 mm 19 MHz	022-2892-501
R546	RF gain 5K ohm	022-2862-003	T501	S183A 10 mm 7.8 MHz IF	022-2892-002
R547	20K ohm variable	022-2862-501	T502	Same as T501	
R548	15K ohm 1/4 W carbon	569-1002-153	T503	S190A 10 mm 7.8 MHz IF	022-2892-001
R549	100K ohm 1/4 W carbon	569-1002-104	T504	S185Z 10 mm 7.8 MHz IF	022-2892-005
R550	2.2K ohm 1/4W carbon	569-1002-222	T601	Y372N 10 mm 7.8 MHz OSC	022-2892-503
R601	3.3K ohm 1/4 W carbon	569-1002-332	T602	S111D 10 mm balanced modulator	022-2892-007
R602	Same as R601		T701	C181Z 10 mm 27 MHz	022-2892-014
R603	22K ohm 1/4 W carbon	569-1002-223	T702	C182Z 10 mm 27 MHz	022-2892-015
R604	20K ohm 1/4 W carbon	569-1002-103	T703	C042Z 10 mm 27 MHz	022-2892-016
R605	1K ohm 1/4 W carbon	569-1002-102	T704	C979N 10 mm 27 MHz	022-2892-017
R606	33K ohm 1/4 W carbon	569-1002-333	T705	C996N 10 mm 27 MHz	022-2892-018
R607	15K ohm 1/4 W carbon	569-1002-153	T706	C043N 10 mm 27 MHz	022-2892-019
R608	470 ohm 1/4 W carbon	569-1002-471			
R609	500 ohm variable	022-2862-010		PC BOARDS	
R610	100 ohm 1/4 W carbon	569-1002-101			
R611	330 ohm 1/4 W carbon	569-1002-331	U1	PC board, main	022-2835-501
R612	Same as R611		U2	PC board, PLL	022-2835-502
R613	47K ohm 1/4 W carbon	569-1002-473			
R701	10K ohm 1/4 W carbon	569-1002-103		CRYSTALS	
R702	100K ohm 1/4 W carbon	569-1002-104			
R703	Same as R702		Y1	10.000 MHz HC-25/U	022-2820-501
R705	56 ohm 1/4 W carbon	569-1002-560	Y601	7.8015 MHz HC-25/U	022-2820-502
R706	470 ohm 1/4 W carbon	569-1002-471			
R707	2.7K ohm 1/4 W carbon	569-1002-272		HARDWARE	
R708	470 ohm 1/4 W carbon	569-1002-471			
R709	47 ohm 1/4 W carbon	569-1002-470			
R710	10 ohm 1/4 W carbon	569-1002-100		Front panel	022-2832-001
R711	1K ohm 1/4 W carbon	569-1002-102		Front overlay	022-2859-003
R712	5.6 ohm 1/4 W carbon	569-1002-569		Overlay of Viking 352D	022-2859-501
R713	2.2 ohm 1/2 W solid	569-1004-229		Overlay of Johnson	022-2859-002
R714	1K ohm 1/4 W carbon	569-1002-102		Johnson plastic trademark part	559-2018-002
				Mylar paper for DS106/DS107	022-2818-501
R715	47 ohm 1/2 W solid	569-1004-470		Pilot lamp bushing	022-2813-001
R716	470 ohm 1/2 W solid	569-1004-471		Pilot lamp bracket red	022-2817-001
R717	100 ohm 2 W metal oxide	022-2869-001		Pilot lamp bracket amber	022-2817-002
R718	6.8 ohm 1/4 W carbon	569-1002-689		Pilot lamp bracket blue	022-2817-003

PARTS LIST (cont'd)

SYMBOL NO.	DESCRIPTION	PART NO.	SYMBOL NO.	DESCRIPTION	PART NO.
	Mount plate for meter	022-2817-007		Heat sink for IC301	022-2814-502
	Buffer of meter mounting plate	022-2818-502		Insulator for IC301	022-2818-001
	Knob for potentiometers and mode switch	547-0014-002		Mount plate for main PC board	022-2817-503
	Knob for channel selector	547-0014-001		Mount plate for meter illumination lamp	022-2817-504
	Potentiometer for finetune R105	022-2862-004		Shield case for PLL synthesizer unit	022-2817-505
	Potentiometer for squelch R302	022-2862-002		Lid of shield case	022-2817-506
	Potentiometer with switch for volume R307/S1	022-2862-001		Ferrite bead	517-2001-001
	Potentiometer for RF gain R546	022-2862-003		Earth plate	022-2817-010
	Spring-plate for potentiometers and mode switch	022-2817-501		Rear panel	022-2817-507
	Dial	022-2832-002		Mount plate for J301, J302	022-2817-005
	Main chassis	022-2817-502		Insulator for MIC connector	022-2818-002
	Cabinet	022-2817-009		3.5 phone plug	515-0020-001
	Mounting bracket	537-9352-001		Battery cable red	022-2823-104
	Mount plate for speaker	022-2817-011		Battery cable black	022-2823-103
	Rubber plate for speaker	022-2818-003		Red cable with connectors	022-2823-102
	Mount plate for C101	022-2817-008		Black cable with connectors	022-2823-101
	Heat sink for Q703, Q704, Q705	022-2814-001		DC cord strain relief	586-1001-019
	Heat sink for Q305	022-2814-501		Fuseholder	534-1004-005
				Plate "FCC"	022-2859-502

ENGINEERING CHANGES

LATE A REVISION

<u>Components Changed</u>	<u>Schematic Location</u>	<u>From</u>	<u>To</u>	<u>New Part Number</u>	<u>Reason for Change</u>
C208	D8	1 μ F	0.01 μ F	510-3010-223	Improve transmit audio response
C631	C6	15 pF	20 pF	022-2810-005	LF oscillator stability
C718	E8	56 pF	85 pF	022-2810-026	Improve AM power output
C739	E7	56 pF	0.01 μ F	510-0001-103	
CR419	A9	WG713	1N34A	022-2823-006	Improve AGC rolloff
Q14	A2	6008	6013	022-2876-013	
Q23	C8	6008	6013	022-2876-013	
R215	D6	470 Ω	330 Ω	569-1002-331	Increase range of R216
R426	A4	220 Ω	470 Ω	569-1002-471	Improve IF response
R441	B5	22K Ω	10K Ω	569-1002-103	Improve AGC rolloff
R604	C8	330 Ω	510 Ω	569-1001-511	Increase synthesizer stability at +60 $^{\circ}$ C
R614	C9	560 Ω	330 Ω	569-1002-331	" " "

<u>Components Added</u>	<u>Schematic Location</u>	<u>Part Description</u>	<u>Part Number</u>	<u>Reason for Change</u>
C467	B2	0.47 μ F electrolytic, 50V	022-2810-025	Improve AGC flatness
C468	B5	4.7 μ F electrolytic, 25V	022-2810-019	" " "
C469	A4	60 pF mica	022-2810-024	" " "
C470	B3	60 pF mica	022-2810-024	" " "
C516		0.04 μ F mylar, 50V	510-1003-473	Reduce intermodulation
C517		0.04 μ F mylar, 50V	510-1003-473	" "
C742	E8	10 μ F electrolytic, 16V	022-2810-013	Improve SSB modulation
CR426	A1	1N34A	022-2823-006	Improve AGC flatness
L201	D2	22 μ H choke	542-3002-002	Improve transmit audio response
R471	A2	22K Ω \pm 10%, 1/4 W	569-1002-223	Improve AGC flatness
R472	B3	47K Ω \pm 10%, 1/4 W	569-1002-473	Eliminate noise blanker oscillation
RT201	D2	10K Ω thermister	022-2869-005	Improve SSB power at +60 $^{\circ}$ C