

## VHF Radio Parts List

Circuit Ref	Motorola Part No.	Description
B501	0986237A02	Battery Contact Module
C3200	2113743N31	16.0pF
C3203	2113743N50	100pF
C3204	2113743L41	0.01uF
C3205	2113928N01	0.1uF
C3206	2113743L41	0.01uF
C3207	2113743N10	2.2pF
C3209	2311049A07	1uF
C3210	2113743L17	1000pF
C3211	2311049A56	4.7uF
C3212	2311049A07	1uF
C3213	2311049A56	4.7uF
C3214	2113928N01	0.1uF
C3215	2113743N26	10pF
C3218	2311049A56	4.7uF
C3219	2113928N01	0.1uF
C3220	2113743N26	10pF
C3221	2113743L41	0.01uF
C3222	2113928N01	0.1uF
C3223	2113928N01	0.1uF
C3224	2113928N01	0.1uF
C3225	2113928N01	0.1uF
C3226	2113928N01	0.1uF
C3227	2113743L41	0.01uF
C3228	2113743L41	0.01uF
C3229	2113743N50	100pF
C3230	2113740F51	100pF
C3231	2180478Z20	1uF
C3232	2180478Z20	1uF
C3233	2180478Z20	1uF
C3234	2180478Z20	1uF
C3235	2113743A23	0.220uF
C3238	2113743A24	0.330uF
C3239	2113743E07	0.022uF
C3240	2113743A23	0.220uF
C3241	2113743L19	1200pF
C3242	2109720D14	0.1uF
C3243	2113743E07	0.022uF
C3244	2113743L41	0.01uF
C3270	2113743E07	0.022uF
C3271	2113743L05	330pF
C3272	2113743N18	4.7pF
C3273	2113743N26	10pF
C3274	2113743N38	33pF
C3275	2113743N44	56pF
C3276	2113743N42	47.0pF
C3277	2113743N48	82.0pF
C3278	2113743E07	0.022uF
C3279	2311049A40	2.2uF

Circuit Ref	Motorola Part No.	Description
C3280	2113743L41	0.01uF
C3301	2113743N20	5.6pF
C3302	2113743N54	150pF
C3303	2113743N30	15.0pF
C3304	2113743N54	150pF
C3306	2113928N01	0.1uF
C3307	2113743N50	100pF
C3308	2113743L05	330pF
C3309	2113928N01	0.1uF
C3311	2113743N54	150pF
C3312	2113743N31	16.0pF
C3313	2113743N54	150pF
C3315	2113743N26	10pF
C3316	2113743N14	3.3pF
C3317	2113743N40	39.0pF
C3318	2113743M08	0.022uF
C3320	2113743N48	82.0pF
C3321	2113743L05	330pF
C3322	2113743N50	100pF
C3323	2113743N50	100pF
C3324	2113743N38	33pF
C3325	2113743L17	1000pF
C3327	2113743L05	330pF
C3329	2113743L05	330pF
C3330	2113743N50	100pF
C3331	2113743N50	100pF
C3332	2113743N40	39.0pF
C3334	2113743N33	20pF
C3335	2113743N34	22pF
C3336	2311049A18	10uF
C3337	2113743M08	0.022uF
C3338	2113743L09	470pF
C3339	2113743N26	10pF
C3501	2113743L05	330pF
C3502	2113743N38	33pF
C3503	2113743N38	33pF
C3504	2113743M08	0.022uF
C3505	2113743N38	33pF
C3508	2113743M08	0.022uF
C3509	2113743L05	330pF
C3512	2113740F43	47pF
C3513	2113740F38	30pF
C3514	2113740F67	470pF
C3515	2113743L29	3300pF
C3516	2311049A08	1uF
C3517	2113740F51	100pF
C3518	2113740F63	330pF
C3519	2113740F35	22pF
C3521	2111078B51	220pF
C3523	2111078B44	120pF
C3524	2113740F33	18pF

Circuit Ref	Motorola Part No.	Description
C3525	2113740F27	10pF
C3526	2113743M08	0.022uF
C3528	2113740F26	9.1pF
C3531	2113740F34	20pF
C3532	2113740F47	68pF
C3533	2113740F24	7.5pF
C3534	2113740F19	4.7pF
C3535	2113740F37	27pF
C3536	2113740F31	15pF
C3537	2113740F33	18pF
C3539	2113740F21	5.6pF
C3541	2113743M08	0.022uF
C3542	2113743L05	330pF
C3543	2113743M08	0.022uF
C3544	2113743L05	330pF
C3546	2113743L05	330pF
C3547	2113743M08	0.022uF
C3550	2113743N23	7.5pF
C3551	2113743N46	68.0pF
C3552	2113743N44	56pF
C3560	2311049A07	1uF
C3561	2113743M08	0.022uF
C3562	2113743L29	3300pF
C3563	2113743L29	3300pF
C3564	2113743L01	220pF
C3565	2113743E07	0.022uF
C3566	2113743N50	100pF
C3567	2113743L05	330pF
C3568	2113743L29	3300pF
C3569	2113743M08	0.022uF
C3570	2113743L05	330pF
C3571	2113743L09	470pF
C3701	2113743L41	0.01uF
C3702	2113743L41	0.01uF
C3703	2113743L41	0.01uF
C3704	2113743L41	0.01uF
C3705	2113743E20	10uF
C3706	2311049J11	4.7uF
C3707	2113743N34	22pF
C3708	2113743M24	0.1uF
C3709	2113743M24	0.1uF
C3710	2104993J02	2.2uF
C3711	2311049A69	10uF
C3712	2113743M24	0.1uF
C3713	2311049A09	2.2uF
C3714	2311049J11	4.7uF
C3715	2113743L09	470pF
C3721	2113743E20	10uF
C3722	2113743E20	10uF
C3724	2311049A08	1uF
C3726	2113743N24	8.2pF

Circuit Ref	Motorola Part No.	Description
C3727	2113743N50	100pF
C3731	2113743L41	0.01uF
C3732	2113743L41	0.01uF
C3733	2104993J02	2.2uF
C3734	2113743L41	0.01uF
C3742	2113743L01	220pF
C3743	2113743L01	220pF
C3744	2113743L01	220pF
C3745	2113743L01	220pF
C3746	2113743L01	220pF
C3752	2113743L17	1000pF
C3753	2311049A56	4.7uF
C3754	2113743M24	0.1uF
C3755	2104993J02	2.2uF
C3761	2113743N40	39pF
C3762	2113740F63	330pF
C3763	2113743N08	1.6pF
C3801	2113743N18	4.7pF
C3803	2113743L17	1000pF
C3804	2113743E20	10uF
C3805	2113743N18	4.7pF
C3806	2113743N50	100pF
C3808	2113743N30	15.0pF
C3809	2113743N36	27pF
C3811	2113743M24	0.1uF
C3812	2113743M24	0.1uF
C3813	2113743L41	0.01uF
C3815	2113743L17	1000pF
C3816	2113743N22	6.8pF
C3818	2113743E07	0.022uF
C3821	2113743L41	0.01uF
C3822	2113743L17	1000pF
C3823	2113743L41	0.01uF
C3824	2113743N44	56pF
C3825	2113743N30	15.0pF
C3826	2113743N18	4.7pF
C3827	2113743E07	0.022uF
C3828	2109720D01	0.01uF
C3829	2109720D01	0.01uF
C3830	2113743N46	68.0pF
C3832	2113743L17	1000pF
C3833	2113743N18	4.7pF
C3834	2113743N44	56pF
C3835	2113743N22	6.8pF
C3836	2113743N30	15.0pF
C3842	2113743L17	1000pF
C400	2113743L41	0.01uF,10%
C401	2113743M24	0.1uF +80-20%
C402	2113743M24	0.1uF +80-20%
C403	2113928D08	10uF
C408	2113743L09	470 pF 10%

Circuit Ref	Motorola Part No.	Description
C409	2113743M24	0.1uF +80-20%
C410	2113928N01	0.1uF 10%
C411	2113743M24	0.1uF +80-20%
C414	2113743M24	0.1uF +80-20%
C415	2185895Z01	0.1uF
C416	2113928N01	0.1uF 10%
C420	2113743L41	0.01uF,10%
C421	2113928N01	0.1uF 10%
C422	2113743M24	0.1uF +80-20%
C423	2113743L09	470 pF 10%
C424	2311049A59	10UF 10%
C425	2113743M24	0.1uF +80-20%
C426	2113743L09	470 pF 10%
C427	2113743L09	470 pF 10%
C428	2113743M24	0.1uF +80-20%
C429	2113743M24	0.1uF +80-20%
C430	2113928N01	0.1uF 10%
C431	2113743L09	470 pF 10%
C433	2113743L41	0.01uF,10%
C435	2113743M24	0.1uF +80-20%
C440	2113743G26	4.7uF
C441	2113743L09	470 pF 10%
C442	2113743E20	10uF
C443	2113928N01	0.1uF 10%
C444	2113743L09	470 pF 10%
C445	2113743L09	470 pF 10%
C447	2113928N01	0.1uF 10%
C448	2113928N01	0.1uF 10%
C449	2113743L09	470 pF 10%
C451	2113743M08	0.022uF,80%/-20%
C452	2113743B29	1.00 UF
C453	2113743L09	470 pF 10%
C456	2113743L09	470 pF 10%
C471	2113743L09	470 pF 10%
C472	2113743L09	470 pF 10%
C473	2113743L09	470 pF 10%
C475	2113743H14	10.0uF
C476	2113928D08	10uF
C479	2113928N01	0.1uF 10%
C480	2113928D08	10uF
C481	2113928N01	0.1uF 10%
C490	2113743L09	470 pF 10%
C491	2113743L09	470 pF 10%
C492	2113743L09	470 pF 10%
C493	2113743L09	470 pF 10%
C494	2113743L09	470 pF 10%
C495	2113743L09	470 pF 10%
C496	2113743L09	470 pF 10%
C497	2113743L09	470 pF 10%
C502	2311049A05	0.47uF,10%
C503	2113743N50	100pF

Circuit Ref	Motorola Part No.	Description
C505	2113743N50	100pF
C511	2113743N50	100pF
C512	2113743N50	100pF
C513	2113743N50	100pF
C514	2113743N50	100pF
C520	2113743L41	0.01uF
C521	2113743L41	0.01uF
C522	2113743L41	0.01uF
C523	2113743L41	0.01uF
C525	2113743L09	470pF
C526	2113743L09	470pF
C527	2113743L09	470pF
C528	2113743L09	470pF
C529	2113743L09	470pF
C530	2113743L09	470pF
C531	2113743L09	470pF
C532	2113743L09	470pF
C533	2113743L09	470pF
C534	2113743L09	470pF
C535	2113743L09	470pF
C536	2113743L09	470pF
C537	2113743L09	470pF
C538	2113743L09	470pF
C544	2113743L09	470pF
C545	2113743L09	470pF
C546	2113743L09	470pF
C547	2113743L09	470pF
C549	2113743L09	470pF
C550	2113743L09	470pF
C551	2113743L09	470pF
C552	2113743L09	470pF
C553	2113743L09	470pF
C555	2113743L09	470pF
C701	2113743L09	470 pF 10%
C702	2113743L09	470 pF 10%
C703	2113743L09	470 pF 10%
C704	2113743L09	470 pF 10%
C705	2113743L09	470 pF 10%
C706	2113743L09	470 pF 10%
C707	2113743L09	470 pF 10%
C708	2113743L09	470 pF 10%
C709	2113743L09	470 pF 10%
C710	2113743L09	470 pF 10%
C711	2113743L09	470 pF 10%
C712	2113743L09	470 pF 10%
C713	2113743L09	470 pF 10%
C714	2113743L09	470 pF 10%
C715	2113743L09	470 pF 10%
C716	2113743L09	470 pF 10%
C717	2113743L09	470 pF 10%
C718	2113743L09	470 pF 10%

Circuit Ref	Motorola Part No.	Description
C721	2113743L09	470 pF 10%
C722	2113743L09	470 pF 10%
C723	2113743L09	470 pF 10%
C724	2113743L09	470 pF 10%
C726	2113743L09	470 pF 10%
C727	2113743L09	470 pF 10%
C728	2113743L09	470 pF 10%
C729	2113743L09	470 pF 10%
C730	2113743L09	470 pF 10%
C731	2113743L09	470 pF 10%
CR3301	4802245J42	Ring Quad Diode
CR3302	4805129M96	SMBV1032
CR3303	4880154K03	Dual Common Anode-Cathode
CR411	4802245J47	Schottky Diode
CR412	4802245J62	Schottky Diode
CR413	4802245J62	Schottky Diode
CR440	4813833C02	Dual Diode Common Cathode
CR501	4880107R01	Rectifier
CR503	4805729G49	LED Red/Yel
D3270	4862824C01	Varactor
D3301	4802081B58	Diode Dual
D3302	4802081B58	Diode Dual
D3521	4880973Z02	Pin Diode
D3551	4880973Z02	Pin Diode
D3701	4802233J09	Triple Diode
D3702	4802233J09	Triple Diode
D3761	4862824C03	Varactor
D3821	4805649Q13	Dual Varactor
D3831	4805649Q13	Dual Varactor
D3832	4862824C01	Varactor
F501	6580542Z01	Fuse 3A
H3501	2680499Z01	HEATSINK
J200	0905505Y04	40 Pins Connector
J3501	0985613Z01	RF JACK
J3502	0280519Z02	Antenna Nut
J400	0902042P03	40 Pins Connector
J403	0909059E04	20 Pins Connector
L3200	2462587N68	1000nH
L3202	2462587N68	1000nH
L3221	2462587N68	1000nH
L3270	2462587T15	100nH
L3271	2462587Q20	2.2uH
L3301	2462587T35	2nH
L3303	2462587T35	2nH
L3304	2462587T23	470nH
L3305	2462587T35	2nH
L3306	2462587T35	2nH
L3308	2462587T34	10nH
L3309	2462587N55	150nH
L3312	2462587V28	33nH

Circuit Ref	Motorola Part No.	Description
L3501	2413926H09	5.6nH
L3503	2462587V32	68nH
L3504	2462587N51	68nH
L3511	2462587N44	18nH
L3512	2479990B01	11.03nH
L3513	2479990A02	7.66nH
L3515	2479990C03	13.85nH
L3518	2462587N48	39nH
L3519	2484657R01	BEAD
L3521	2479990A02	7.66nH
L3522	2479990E01	23.75nH
L3523	2462587N68	1000nH
L3531	2479990N01	43.67nH
L3532	2479990N01	43.67nH
L3538	2479990M01	30.54nH
L3551	2479990N01	43.67nH
L3552	2479990A02	7.66nH
L3701	2462587Q42	390nH
L3731	2462587Q20	2.2uH
L3801	2462587V34	100nH
L3809	2462587V27	27nH
L3811	2462587V34	100nH
L3812	2462587V34	100nH
L3813	2462587Q47	1uH
L3816	2462587V34	100nH
L3821	2462587N50	56nH
L3822	2462587N49	47nH
L3823	2462587N49	47nH
L3824	2462587N68	1000nH
L3825	2462587V34	100nH
L3826	2462587N68	1000nH
L3831	2462587N50	56nH
L3832	2462587N51	68nH
L3833	2462587N50	56nH
L3834	2462587N68	1000nH
L400	2462587Q42	390NH 10%
L401	2462587Q42	390NH 10%
L410	2462587Q42	390NH 10%
L411	2462587Q42	390NH 10%
L505	2462587Q42	390nH
PB501	4070354A01	Tact Switch
PB502	4070354A01	Tact Switch
PB504	4070354A01	Tact Switch
PB505	4070354A01	Tact Switch
PCB	6404103G02	VHF PCB Panel
PCB RF	8404055G05	VHF RF PCB
PCB Ctrl	8404051G07	VHF Controller PCB
Q3200	4813827A07	MMBR941
Q3201	4880214G02	NPN
Q3202	4880214G02	NPN
Q3270	4805218N63	BFQ67W

Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description	Circuit Ref	Motorola Part No.	Description
Q3301	4880214G02	NPN	R3313	0662057M34	22	R3808	0662057M26	10	R472	0662057N12	36K
Q3302	4813827A07	MMBR942	R3314	0662057M26	10	R3811	0662057M50	100	R473	0662057M26	10
Q3501	4813828A09	RF Power FET	R3315	0662057M62	330	R3816	0662057M74	1K	R475	0662057M01	0
Q3561	4813824A17	PNP	R3316	0662057M66	470	R3817	0662057M01	0	R476	0662057N08	24K
Q3721	4802245J50	UMC5N	R3317	0662057N23	100K	R3821	0662057M58	220	R477	0662057M74	1K
Q3801	4813827A07	MMBR943	R3318	0662057M66	470	R3822	0662057M42	47	R478	0662057M98	10K
Q400	4809579E18	MOSFET P-CHAN	R3321	0662057M54	150	R3823	0662057N11	33K	R481	0662057N08	24K
Q403	4813824A17	TSTR MMBT3906	R3322	0662057M58	220	R3824	0662057N07	22K	R492	0662057M01	0
Q405	4802245J54	Dual NPN	R3323	0662057M32	18	R3825	0662057M38	33	R498	0662057M98	10K
Q410	4802245J54	Dual NPN	R3324	0662057M58	220	R3826	0662057M32	18	R499	0662057M98	10K
Q417	4802245J50	Dual NPN/PNP	R3501	0662057M61	300	R3828	0662057M50	100	R501	0662057M70	680
Q502	5180159R01	Dual NPN	R3502	0662057M32	18	R3829	0662057M01	0	R502	0662057M56	180
Q505	4880214G02	NPN	R3503	0662057M61	300	R3831	0662057M98	10K	R505	0662057M98	10K
R3200	0662057M54	150	R3505	0662057M62	330	R3832	0662057N01	12K	R506	0662057N15	47K
R3201	0662057M82	2.2K	R3512	0662057A27	120	R3833	0662057M58	220	R702	0662057M01	0
R3202	0662057M90	4.7K	R3513	0662057A25	100	R3834	0662057M42	47	RT400	0680590Z01	Thermistor 33K
R3203	0662057M98	10K	R3519	0680539Z01	0.1	R3835	0662057N15	47K	S501	4080710Z01	Freq Switch
R3204	0662057M26	10	R3542	0662057M92	5.6K	R3836	0662057M98	10K	S502	1880619Z02	Volume Switch
R3205	0662057M74	1K	R3543	0662057M50	100	R400	0662057N15	47K	SH3201	2602023X08	SHIELD
R3206	0662057N23	100K	R3544	0662057A25	100	R406	0662057N20	75K	SH3202	2686081B02	SHIELD
R3207	0662057N13	39K	R3545	0662057A25	100	R409	0662057M98	10K	SH3203	2686081B03	SHIELD
R3208	0662057M50	100	R3546	0662057N11	33K	R410	0662057N23	100K	SH3301	2686081B01	SHIELD
R3209	0662057M74	1K	R3547	0662057N01	12K	R411	0662057M98	10K	SH3302	2686081B05	SHIELD
R3210	0662057M82	2.2K	R3548	0662057M95	7.5K	R413	0662057M01	0	SH3303	2686081B06	SHIELD
R3211	0662057M82	2.2K	R3551	0662057M40	39	R414	0662057V34	180K	SH3501	2686081B03	SHIELD
R3212	0662057M90	4.7K	R3561	0662057N01	12K	R415	0662057V26	91K	SH3502	2686081B04	SHIELD
R3213	0662057M82	2.2K	R3562	0662057N11	33K	R416	0662057N13	39K	SH3701	2680511Z01	SHIELD
R3214	0662057M34	22	R3563	0662057N33	270K	R418	0662057M01	0	SH3702	2680511Z01	SHIELD
R3219	0662057M50	100	R3564	0662057N35	330K	R421	0662057M81	2K	SH3801	2680513Z01	SHIELD
R3220	0662057M90	4.7K	R3569	0662057M92	5.6K	R423	0662057N39	470K	SH3802	2680514Z01	SHIELD
R3221	0662057M50	100	R3570	0662057M98	10K	R424	0662057N12	36K	SH400	2602001P16	Aoba Ctrl Shield
R3224	0662057M26	10	R3571	0662057A27	120	R425	0662057N10	30K	T3301	2580541Z02	XFMR Coil
R3225	0662057M74	1K	R3572	0662057A27	120	R427	0662057M84	2.7K	T3302	2580541Z02	XFMR Coil
R3226	0662057M26	10	R3573	0662057A27	120	R428	0662057M10	2.2	U3201	5102463J58	LP2980
R3270	0662057M74	1K	R3701	0662057M50	100	R429	0662057M98	10K	U3220	5109632D83	LVZIF
R3271	0662057M42	47	R3703	0662057M54	150	R431	0662057N39	470K	U3501	5185130C65	LDMOS Driver
R3272	0662057N15	47K	R3704	0662057M54	150	R432	0662057N16	51K	U3502	5185765B28	PCIC
R3273	0662057N15	47K	R3705	0662057N11	33K	R434	0662057M62	330	U3503	5185963A15	Temperature Sense
R3274	0662057M83	2.4K	R3721	0662057M66	470	R435	0662057M81	2K	U3701	5185963A27	LVFRACN
R3275	0662057M74	1K	R3722	0662057M74	1K	R436	0662057M01	0	U3711	5105739X05	Regulator Linear
R3276	0662057N30	200K	R3723	0662057M50	100	R445	0662057N08	24K	U3801	5105750U54	VCO IC
R3303	0662057N23	100K	R3727	0662057N23	100K	R446	0662057N31	220K	U3802	2113743L17	1000pF
R3304	0662057N23	100K	R3741	0662057M50	100	R447	0662057N51	1.5MEG	U400	5102463J40	3.3V Reg
R3305	0662057N19	68K	R3751	0662057N30	200K	R448	0662057N33	270K	U404	5185130C53	Asfic Cmp
R3306	0662057M82	2.2K	R3752	0662057N35	330K	R449	0662057N08	24K	U406	5102463J59	Flash Rom 256K
R3307	0662057N11	33K	R3761	0662057N15	47K	R450	0683962T45	68,1 W	U407	5102463J62	EEPROM 16Kx8
R3308	0662057M78	1.5K	R3802	0662057M50	100	R451	0662057N03	15K 5%	U409	5102226J56	uP HC11FLO
R3309	0662057M92	5.6K	R3803	0662057M58	220	R457	0662057M98	10K	U420	5102463J44	Audio Pa
R3310	0662057M98	10K	R3804	0662057M98	10K	R460	0662057M90	4.7K	VR432	4805656W08	5.6V Zener
R3311	0662057M26	10	R3805	0662057N08	24K	R463	0662057M61	300	VR433	4805656W08	5.6V Zener
R3312	0662057M38	33	R3806	0662057M34	22	R471	0662057M92	5.6K	VR439	4880140L17	12V Zener

<b>Circuit Ref</b>	<b>Motorola Part No.</b>	<b>Description</b>
VR445	4880140L15	10V ZENER
VR446	4880140L15	10V ZENER
VR447	4880140L15	10V ZENER
VR448	4880140L15	10V ZENER
VR449	4880140L15	10V ZENER
VR450	4880140L15	10V ZENER
VR501	4813830A18	6.8V Zener
VR506	4802245J73	6.8 Zener
Y3200	9186153B01	XTAL
Y3761	4805875Z04	XTAL 16.8MHz

\* Motorola Depot Servicing only