

TRANSCEIVER ADJUSTMENTS / TUNE-UP PROCEDURE

There are no user accessible adjustments or tuning in this portable cellular transceiver. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process, as special equipment is required to perform such adjustments.

PARTS LIST

Reference Symbol	Part Number	Description
C1	2113743N18	Capacitor 4.7pF
C1000	2113743M24	Capacitor 0.1uF
C1001	2113928P04	Capacitor 1.0uF
C1010	2113743K15	Capacitor 0.1uF
C1011	2113743L13	Capacitor 680pF
C1020	2113743M24	Capacitor 0.1uF
C1021	2113743M24	Capacitor 0.1uF
C1030	2113928Z11	Capacitor 22uF
C1033	2113743L41	Capacitor .01uF
C1050	2113743M24	Capacitor 0.1uF
C1051	2113743M24	Capacitor 0.1uF
C1055	2187893N01	Capacitor 1.0uF
C1056	2113946D02	Capacitor 1.0uF
C1060	2311049A89	Capacitor 22uF
C1062	2113741F29	Capacitor 1500pF
C1066	2187906N01	Capacitor 4.7uF
C1071	2113743M24	Capacitor 0.1uF
C11	2113740F39	Capacitor 33pF
C1350	2113743M24	Capacitor 0.1uF
C150	2113743L05	Capacitor 330pF
C151	2113740A75	Capacitor 680pF
C152	0888600M24	Capacitor 8200pF
C153	2113928C04	Capacitor 4.7uF
C154	2113928N01	Capacitor 0.1uF
C162	2113743N20	Capacitor 5.6pF
C163	0888600M24	Capacitor 8200pF
C164	2113743L19	Capacitor 1200pF
C165	2113743N52	Capacitor 120pF
C166	2113743N52	Capacitor 120pF
C167	2113743L09	Capacitor 470pF
C170	2113928C03	Capacitor 1.0uF
C1701	2113743M24	Capacitor 0.1uF
C171	2113743N40	Capacitor 39pF
C172	2113743L41	Capacitor .01uF
C173	2113743N40	Capacitor 39pF
C174	2113743N40	Capacitor 39pF
C176	2113928C04	Capacitor 4.7uF
C177	2113743N42	Capacitor 47pF
C180	2113743L41	Capacitor .01uF
C50	2113743F18	Capacitor 2.2uF
C51	2113743F18	Capacitor 2.2uF
C52	2113743L41	Capacitor .01uF
C53	2113743N40	Capacitor 39pF
C54	2113743N40	Capacitor 39pF
C55	2113743N40	Capacitor 39pF
C56	2113743N38	Capacitor 33pF

C57	2113743N38	Capacitor 33pF
C58	2113743N38	Capacitor 33pF
C59	2113743N38	Capacitor 33pF
C60	2113743N40	Capacitor 39pF
C61	2113743L17	Capacitor 1000pF
C62	2113743N40	Capacitor 39pF
C63	2113743N40	Capacitor 39pF
C64	2113743N40	Capacitor 39pF
C65	2113743L41	Capacitor .01uF
C700	2113743M24	Capacitor 0.1uF
C701	2113743M24	Capacitor 0.1uF
C703	2113743M24	Capacitor 0.1uF
C704	2113743M24	Capacitor 0.1uF
C806	2113946S35	Capacitor 1.0uF
C807	2113743M24	Capacitor 0.1uF
C810	2187906N01	Capacitor 4.7uF
C811	2113743M24	Capacitor 0.1uF
C812	2113743M24	Capacitor 0.1uF
C813	2113743M24	Capacitor 0.1uF
C814	2113743M24	Capacitor 0.1uF
C815	2113743M24	Capacitor 0.1uF
C816	2113743M24	Capacitor 0.1uF
C817	2113743M24	Capacitor 0.1uF
C819	2113743M24	Capacitor 0.1uF
C820	2113928P04	Capacitor 1.0uF
C821	2113928P04	Capacitor 1.0uF
C822	2113928P04	Capacitor 1.0uF
C823	2113928P04	Capacitor 1.0uF
C824	2113928P04	Capacitor 1.0uF
C826	2113743M24	Capacitor 0.1uF
C827	2113743M24	Capacitor 0.1uF
C828	2113743M24	Capacitor 0.1uF
C829	2113743M24	Capacitor 0.1uF
C840	2113743M24	Capacitor 0.1uF
C900	2113743M24	Capacitor 0.1uF
C901	2113743L25	Capacitor 2200pF
C902	2113743L41	Capacitor .01uF
C903	2187906N01	Capacitor 4.7uF
C904	2113743M24	Capacitor 0.1uF
C905	2113743N30	Capacitor 15pF
C906	2113743N30	Capacitor 15pF
C910	2187906N01	Capacitor 4.7uF
C911	2113743L41	Capacitor .01uF
C912	2113743M24	Capacitor 0.1uF
C920	2113928Z11	Capacitor 22uF
C922	2113928Z11	Capacitor 22uF
C924	2113928Z11	Capacitor 22uF
C926	2187906N01	Capacitor 4.7uF

C928	2113928S04	Capacitor 0.1uF
C929	2187906N01	Capacitor 4.7uF
C931	2187906N01	Capacitor 4.7uF
C932	2187906N01	Capacitor 4.7uF
C933	2113928C13	Capacitor 10uF
C934	2113928C13	Capacitor 10uF
C935	2187906N01	Capacitor 4.7uF
C937	2187906N01	Capacitor 4.7uF
C938	2187906N01	Capacitor 4.7uF
C939	2113928C13	Capacitor 10uF
C940	2113743M24	Capacitor 0.1uF
C950	2113743M24	Capacitor 0.1uF
C951	2113743L35	Capacitor 5600pF
C952	2113928C13	Capacitor 10uF
C953	2113928A01	Capacitor 1.0uF
C954	2113928C13	Capacitor 10uF
C961	2187906N01	Capacitor 4.7uF
CR900	4809948D42	Rohm/Toshiba RB751V-40/1SS367
CR920	4809924D18	Rohm RB520S-30
CR921	4809924D18	Rohm RB520S-30
D1055	4809924D18	Rohm RB520S-30
D1450	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1451	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1452	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1453	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1454	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1455	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1456	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D1457	4809496B18	Panasonic LNJ026X8B0MT WHT LED
D700	4809924D18	Rohm RB520S-30
FL100	9188668L04	Sawtek 890010
FL1400	4809606E12	STElectronics EMIF11-10002C4 FLTR,EMI
J1	0987378K01	Hirose MS147 CONN RF MOD3
J1200	0909195E05	MIC. CONNECTOR
J1260	3988194N01	HosidenCorp HPC0890-010010
J1300	2887818K07	CONN,PLG,F,34CONT
J1350	3970350D02	CONN HW,SIM,CRD
J1400	0987636K06	Motorola 36K06 17 PINS SM
J1701	0988252L01	Sanyo 4H-2T SOCKET,COIN CELL BATT
L1	2409154M33	Inductor 5.6nH
L1000	2409646M13	Inductor 39nH
L1030	2409646M13	Inductor 39nH
L1050	2409646M13	Inductor 39nH
L1200	2409646M13	Inductor 39nH
L1241	2409646M13	Inductor 39nH
L1260	2409646M13	Inductor 39nH
L1261	2409646M13	Inductor 39nH
L1300	2409377M17	Inductor 100nH

L1400	2409646M13	Inductor 39nH
L1401	2409646M13	Inductor 39nH
L161	2489970L37	Inductor 270nH
L170	2409154M36	Inductor 10.0nH
L2	2113743N03	Capacitor 1pF
L3	0662057M01	Resistor 0
L4	2409646M13	Inductor 39nH
L70	2462587Q65	Inductor 33uH
L920	2588866L14	Inductor 47uH
L921	2487659M08	Inductor 15uH
L950	2409377M17	Inductor 100nH
M1700	3988340N01	CONT,BAT,,M,PHBRZ
M3	3989013L05	CONT ANT
Q1400	4809939C39	Rohm EMD9T2R
Q801	4888182N01	Toshiba TPS851
Q924	4809579E24	Toshiba 2SJ347-TE851TSTR FET P-CHAN
Q950	4809807C41	FAIRCHILD FDZ299P POWER MOSFET
Q951	4809939C39	Rohm EMD9T2R
Q952	4809579E51	Fairchild FDZ206P FET, P-CHANNEL, 2.5V
Q953	4809807C41	FAIRCHILD FDZ299P POWER MOSFET
Q954	4809807C41	FAIRCHILD FDZ299P POWER MOSFET
Q960	4809807C43	MOSFET,,,,,20V
R1000	0662057M90	Resistor 4.7K
R1001	0662057M01	Resistor 0
R1002	0662057M68	Resistor 560
R1003	0662057N07	Resistor 22K
R1004	0662057M98	Resistor 10K
R1011	0662057N07	Resistor 22K
R1012	0662057M50	Resistor 100
R1013	0662057N03	Resistor 15K
R1020	0662057M90	Resistor 4.7K
R1021	0662057M01	Resistor 0
R1022	0662057M01	Resistor 0
R1023	0662057M01	Resistor 0
R1030	0662057M46	Resistor 68
R1040	0662057N32	Resistor 240K
R1041	0662057N15	Resistor 47K
R1051	0662057M74	Resistor 1K
R1052	0662057N33	Resistor 270K
R1053	0662057N15	Resistor 47K
R1054	0662057M50	Resistor 100
R1055	0662057M86	Resistor 3.3K
R1060	0662057N03	Resistor 15K
R1061	0662057N07	Resistor 22K
R1062	0662057M01	Resistor 0
R1210	0662057M26	Resistor 10
R1211	0662057M26	Resistor 10
R1241	0662057M98	Resistor 10K

R1300	0662057M50	Resistor 100
R1303	0662057M50	Resistor 100
R1304	0662057N23	Resistor 100K
R1305	0662057M01	Resistor 0
R1350	0662057M92	Resistor 5.6K
R1450	0662057M01	Resistor 0
R1451	0662057M01	Resistor 0
R1452	0662057M01	Resistor 0
R1453	0662057M01	Resistor 0
R1454	0662057M01	Resistor 0
R1455	0662057M01	Resistor 0
R1456	0662057M01	Resistor 0
R1457	0662057M01	Resistor 0
R1459	0662057M19	Resistor 5.1
R151	0662057M78	Resistor 1.5K
R152	0662057M70	Resistor 680
R153	0662057M02	Resistor 1
R154	0662057M01	Resistor 0
R160	0662057M48	Resistor 82
R161	0662057M64	Resistor 390
R162	0662057N19	Resistor 68K
R163	0662057M64	Resistor 390
R1700	0662057M90	Resistor 4.7K
R70	0662057M48	Resistor 82
R707	0662057M01	Resistor 0
R800	0662057M98	Resistor 10K
R811	0662057M74	Resistor 1K
R814	0689209N01	Resistor 100
R815	0662057M50	Resistor 100
R816	0662057M50	Resistor 100
R819	0689209N01	Resistor 100
R833	0662057M01	Resistor 0
R838	0662057M01	Resistor 0
R840	0662057N23	Resistor 100K
R900	0662057M01	Resistor 0
R901	0662057N06	Resistor 20K
R902	0609591M05	Resistor 22
R904	0662057M78	Resistor 1.5K
R905	0662057M98	Resistor 10K
R906	0662057N13	Resistor 39K
R910	0662057V35	Resistor 200K
R912	0662057N23	Resistor 100K
R916	0662057M98	Resistor 10K
R917	0662057M98	Resistor 10K
R920	0687874L02	Resistor .10
R921	0687874L02	Resistor .10
R922	0662057M01	Resistor 0
R924	0662057N34	Resistor 300K

R936	0662057M01	Resistor 0
R950	0687874L01	Resistor .24
R951	0662057M98	Resistor 10K
R952	0662057V35	Resistor 200K
R955	0662057M98	Resistor 10K
R956	0662057N06	Resistor 20K
R957	0662057N34	Resistor 300K
R958	0662057M92	Resistor 5.6K
R960	0662057N23	Resistor 100K
R961	0662057N47	Resistor 1MEG
R962	0662057M74	Resistor 1K
R963	0662057N16	Resistor 51K
SH150	2688210N01	SHIELD
SH50	2688211N01	SHIELD
SH800	2688279N01	SHIELD
SH900	2688216N01	SHIELD
U1300	5189153N01	OnSemiconductor NL17SZ07XV5T2
U1301	5164751E01	OnSemi MC74VHC1GT50
U150	5109923D61	Motorola 23D61
U50	5109908K78	Motorola PA2003-EAGLE-9G1
U700	5189419N01	Intel RD38F3340LLYDQ0
U701	5109522E89	Fairchild NC7SZ19L6X
U800	5199129K05	Motorola NeptuneLTS
U802	5189153N01	OnSemiconductor NL17SZ07XV5T2
U900	5188450M06	TI 50M06
U901	5109817F58	CurrentLimitedSwitch
VR1200	4809788E17	Rohm EDZ68B DIODE ZENER
VR1240	4809788E17	Rohm EDZ68B DIODE ZENER
VR1241	4809788E17	Rohm EDZ68B DIODE ZENER
VR1242	4809788E17	Rohm EDZ68B DIODE ZENER
VR1400	4809788E17	Rohm EDZ68B DIODE ZENER
VR800	4809788E17	Rohm EDZ68B DIODE ZENER
VR801	4809788E17	Rohm EDZ68B DIODE ZENER
VR950	4889091N01	ONSemiconductor MBR120LSFT3
VR951	4889091N01	ONSemiconductor MBR120LSFT3
VS1260	4809788E17	Rohm EDZ68B DIODE ZENER
VS1261	4809788E17	Rohm EDZ68B DIODE ZENER
Y805	4809612J43	Oscillator 26MHz
Y900	4809995L13	Oscillator 32.768KHz