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			Lincoln, Nebraska USA				879405						
APPROVALS:		DR BY: SMH		CHKD BY:SMH		APPD BY:CC		PROD:____		REV LEVEL:		B	
		DATE: 10/27/00		DATE:_03/22/01		DATE:_03/22/01		DATE:_____					
TITLE:		PCB ASSY, BTR-700/800 RECEIVER SMT											
		879405-1											
ITEM	NEW	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR							
1		12	CAP	1uF TANT A	102877053T	C469, C477, C569, C577, C669, C677, C769, C777, C481, C581, C681, C781							
2		15	CAP	.001uF 0805	102879157T	C334, C344, C346, C436, C451, C460, C536, C551, C560, C636, C651, C660, C736, C751, C760							
3		24	CAP	12pF 0805	72341114T	C403, C410, C418, C425, C441, C453, C503, C510, C518, C525, C541, C553, C603, C610, C618, C625, C641, C653, C703, C710, C718, C725, C741, C753							
4		32	CAP	100pF 0805	72341125T	C332, C333, C335, C337, C402, C414, C417, C429, C455, C457, C461, C502, C514, C517, C529, C555, C557, C561, C602, C614, C617, C629, C655, C657, C661, C702, C714, C717, C729, C755, C757, C761							
5		4	CAP	100pF 1206	102879204T	C459, C559, C659, C759							
6		1	CAP	100pF NFM 40 R FEEDTH	7233923T	C326							
7		87	CAP	.1uF 0805	102881186T	C330, C336, C343, C430, C432, C434, C435, C439, C444, C456, C458, C464, C466, C467, C468, C470, C471, C472, C474, C478, C484, C486, C487, C489, C530, C532, C534, C535, C539, C544, C556, C558, C564, C566, C567, C568, C570, C571, C572, C574, C578, C584, C586, C587, C589, C630, C632, C634, C635, C639, C644, C656, C658, C664, C666, C667, C668, C670, C671, C672, C674, C678, C684, C686, C687, C689, C730, C732, C734, C735, C739, C744, C756, C758, C764, C766, C767, C768, C770, C771, C772, C774, C778, C784, C786, C787, C789							
8		2	CAP	82pF 0805	72341124T	C338, C342							
9		3	CAP	47PF 0805	72341121T	C339, C340, C341							
10		1	CAP	.0047uF 0805	102881146T	C345							
11		7	CAP	3pF 0805	102879178T	C347, C348, C349, C473, C573, C673, C773							
12		16	CAP	39pF 0805	72341120T	C401, C413, C416, C428, C501, C513, C516, C528, C601, C613, C616, C628, C701, C713, C716, C728							
13		20	CAP	6.8pF 0805	72341111T	C404, C409, C419, C424, C440, C504, C509, C519, C524, C540, C604, C609, C619, C624, C640, C704, C709, C719, C724, C740							
14		88	CAP	.01uF 0805	102881150T	C405, C406, C411, C412, C415, C420, C421, C426, C427, C431, C433, C442, C443, C446, C447, C454, C465, C475, C482, C485, C488, C491, C505, C506, C511, C512, C515, C520, C521, C526, C527, C531, C533, C542, C543, C546, C547, C554, C565, C575, C582, C585, C588, C591, C605, C606, C611, C612, C615, C620, C621, C626, C627, C631, C633, C642, C643, C646, C647, C654, C665, C675, C682, C685, C688, C691, C705, C706, C711, C712, C715, C720, C721, C726, C727, C731, C733, C742, C743, C746, C747, C754, C765, C775, C782, C785, C788, C791							

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		DATE: 10/27/00		DATE:_03/22/01		DATE:_03/22/01		DATE:___			
TITLE:		PCB ASSY, BTR-700/800 RECEIVER SMT									
		879405-1									
ITEM	NEW	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR					
15		8	CAP	1.2pF 0603	723482102T	C407, C422, C507, C522, C607, C622, C707, C722					
16		8	CAP	820pF 0805	72341136T	C408, C423, C508, C523, C608, C623, C708, C723					
17		4	CAP	3.3pF 0805	7234117T	C437, C537, C637, C737					
18		4	CAP	10uF TANT A	102877047T	C438, C538, C638, C738					
19		4	CAP	10pF 0805	72341113T	C445, C545, C645, C745					
20		8	CAP	150pF 0805	72341127T	C448, C449, C548, C549, C648, C649, C748, C749					
21		4	CAP	100uF ALUM 6.3MM	102884116T	C450, C550, C650, C750					
22		2	CAP	27PF 0805	72341118T	C351, C352					
23		4	CAP	2700pF 0805	102881143T	C452, C552, C652, C752					
24		4	CAP	15pF 0805	72341115T	C462, C562, C662, C762					
25		4	CAP	62pF 0805	72341149T	C463, C563, C663, C763					
26		4	CAP	.0018uF 0805	72341140T	C476, C576, C676, C776					
27		8	CAP	.047uF 0805	102881180T	C479, C480, C579, C580, C679, C680, C779, C780					
28		4	CAP	2200pF 0805	72341141T	C483, C583, C683, C783					
29		40	DIODE	MMBV3401 SOT-23	760393T	D401, D402, D403, D404, D405, D406, D407, D408, D409, D410, D501, D502, D503, D504, D505, D506, D507, D508, D509, D510, D601, D602, D603, D604, D605, D606, D607, D608, D609, D610, D701, D702, D703, D704, D705, D706, D707, D708, D709, D710					
30		4	VARI CAP	SMV1145-079	760298T	D411, D511, D611, D711					
31		4	DIODE	TMPD914 SOT-23	58711000T	D412, D512, D612, D712					
32		1	IND	2.2uH 43FS	7234245T	L312					
33		40	IND	5.6uH 1008	72402218T	L401, L402, L405, L406, L407, L408, L411, L412, L413, L414, L501, L502, L505, L506, L507, L508, L511, L512, L513, L514, L601, L602, L605, L606, L607, L608, L611, L612, L613, L614, L701, L702, L705, L706, L707, L708, L711, L712, L713, L714					
34		4	IND	120nH 1008	72339715T	L416, L516, L616, L716					
35		4	IND	39uH 1008	72402228T	L417, L517, L617, L717					
36		4	IND	1mH 43FS	72342437T	L419, L519, L619, L719					
37		1	TRANS	NE46134 SOT-89	760395T	Q304					
38		12	TRANS	MMBT3906 SOT-23	54716200T	Q401, Q402, Q407, Q501, Q502, Q057, Q601, Q602, Q607, Q701, Q702, Q707					
39		8	TRANS	BFG540 SOT-143	760209T	Q403, Q404, Q503, Q504, Q603, Q604, Q703, Q704					
40		8	TRANS	FMMT5179 SOT-23	760180T	Q405, Q505, Q605, Q705, Q408, Q508, Q608, Q708					
41		4	TRANS	MMBT3904 SOT-23	54671200T	Q406, Q506, Q606, Q706					
42		4	RES	5.6K OHM 0805	102506562T	R447, R547, R647, R747					
43		52	RES	470 OHM 0805	102506471T	R401, R402, R407, R408, R412, R413, R414, R415, R421, R422, R428, R439, R465, R501, R502, R507, R508, R512, R513, R514, R515, R521, R522, R528, R539, R565, R601, R602, R607, R608, R612, R613, R614, R615, R621, R622, R628, R639, R665, R701, R702, R707, R708, R712, R713, R714, R715, R721, R722, R728, R739, R765					

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		DATE: 10/27/00		DATE:_03/22/01		DATE:_03/22/01		DATE:___			
TITLE:		PCB ASSY, BTR-700/800 RECEIVER SMT									
		879405-1									
ITEM	NEW		QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
44		10	RES	51 OHM 0805	102506510T	R314, R315, R432, R433, R532, R533, R632, R633, R732, R733					
45		14	RES	1K OHM 0805	102515200T	R316, R319, R435, R442, R456, R535, R542, R556, R635, R642, R656, R735, R742, R756					
46		5	RES	560 OHM 0805	102506561T	R317, R434, R534, R634, R734					
47		6	RES	820 OHM 0805	102506821T	R318, R321, R436, R536, R636, R736					
48		1	RES	390 OHM 0805	102506391T	R320					
49		1	RES	2.2 OHM 0805	1025062R2T	R322					
50		1	RES	27 OHM 0805	102515041T	R323					
51		3	RES	274 OHM 0805	102515142T	R324, R325, R326					
52		28	RES	2.2K OHM 0805	102506222T	R403, R404, R438, R440, R454, R503, R504, R538, R540, R554, R603, R604, R638, R640, R654, R703, R704, R738, R740, R754, R464, R466, R564, R566, R664, R666, R764, R766					
53		12	RES	47K OHM 0805	102506473T	R405, R406, R462, R505, R506, R562, R605, R606, R662, R705, R706, R762					
54		8	RES	150 OHM 1206	102404117T	R409, R411, R509, R511, R609, R611, R709, R711					
55		4	RES	39 OHM 1206	102404057T	R410, R510, R610, R710					
56		8	RES	43 OHM 0805	102506430T	R416, R417, R516, R517, R616, R617, R716, R717					
57		4	RES	18K OHM 0805	102506183T	R418, R518, R618, R718					
58		4	RES	43K OHM 0805	102506433T	R419, R519, R619, R719					
59		4	RES	221 OHM 0805	102515133T	R420, R520, R620, R720					
60		8	RES	1.5K OHM 0805	102506152T	R423, R430, R523, R530, R623, R630, R723, R730					
61		4	RES	680 OHM 0805	102506681T	R424, R524, R624, R724					
62		4	RES	270 OHM 0805	102506271T	R425, R525, R625, R725					
63		4	RES	82K OHM 0805	102506823T	R426, R526, R626, R726					
64		4	RES	2.7K OHM 0805	102506272T	R427, R527, R627, R727					
65		4	RES	51K OHM 0805	102506513T	R429, R529, R629, R729					
66		4	RES	510 OHM 0805	102506511T	R431, R531, R631, R731					
67		8	RES	180K OHM 0805	102506184T	R437, R537, R637, R737, R467, R567, R667, R767					
68		8	RES	430 OHM 0805	102506431T	R443, R444, R543, R544, R643, R644, R743, R744					
69		4	RES	8.2K OHM 0805	102506822T	R445, R545, R645, R745					
70		4	RES	39K OHM 0805	102506393T	R446, R546, R646, R746					
71		8	RES	10K OHM 0805	102506103T	R459, R559, R659, R759,R452, R552, R652, R752					
72		12	RES	220K OHM 0805	102506224T	R449, R450, R451, R549, R550, R551, R649, R650, R651, R749, R750, R751					
73		8	RES	100K OHM 0805	102506104T	R453, R455, R553, R555, R653, R655, R753, R755					
74		4	RES	68 OHM 0805	102506680T	R457, R557, R657, R757					
75		4	RES	330K OHM 0805	102506334T	R458, R558, R658, R758					
76		4	RES	68K OHM 0805	102506683T	R460, R560, R660, R760					
77		4	RES	1M OHM 0805	102506105T	R461, R561, R661, R761					
78		8	RES	39 OHM 0805	102506390T	R441, R463, R541, R563, R641, R663, R741, R763					
79		1	COIL	TOKO 458PT-1113	7301332T	T301					
80		3	TRANSFOMER	458DS-1014	730133T	T302, T303, T304					

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APPROVALS:		DR BY: SMH	CHKD BY:SMH	APPD BY:CC	PROD:___	REV LEVEL:	B
		DATE: 10/27/00	DATE: _03/22/01	DATE: _03/22/01	DATE:___		
TITLE:		PCB ASSY, BTR-700/800 RECEIVER SMT					
		879405-1					
ITEM	NEW	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR	
81		4	COIL	TOKO A638AN	72350420T	T401, T501, T601, T701	
82		5	IC	MC13143 SO-8	760226T	U303, U403, U503, U603, U703	
83		1	IC	74HC164 SO-14	59624004S	U304	
84		4	IC	MAV-11	760159T	U401, U501, U601, U701	
85		4	IC	TRF2050 SSOP-20	760242T	U402, U502, U602, U702	
86		4	IC	NE614D SO-16	760375-1T	U404, U504, U604, U704	
87		8	IC	LMV821 SOT-23-5	7602301T	U405, U407, U505, U507, U605, U607, U705 ,U707	
88		4	IC	NC7SZ66SOT-23-5	760234T	U406, U506, U606, U706	
89		8	POT	10K	57212000T	VR401, VR402, VR501, VR502, VR601, VR602, VR701, VR702	
90		1		PC BOARD, BTR-700/800 REC	750543		
91		A/R		SOLDER PASTE	BE738		
92		4	RES	15K 0805	102506153T	R448, R548, R648, R748	

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				Lincoln, Nebraska USA				879406	
APPROVALS:		DR BY: SMH		CHKD BY:DDN		APPD BY:CC		PROD:DRO	
		DATE: 10/19/00		DATE:10/19/00		DATE:03/22/01		DATE:03/22/01	
								REV LEVEL:	B
TITLE:		PCB THRU HOLE ASSY, BTR-700/800 RECEIVER							
		LOW BAND 632-650MHZ	HIGH BAND 704-722MHZ						
		879406-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
1		12	12	FILTER	CERAMIC FILTER	52990001	FL401, FL402, FL403, FL501, FL502, FL503, FL601, FL602, FL603, FL701, FL702, FL703		
2		3	3	CONN	MCX CONNECTOR	650332	J301, J303, J302		
3		18	18	COIL	LVA 130nH	723331-123	L309, L311,L403, L404, L409, L410, L503, L504, L509, L510, L603, L604, L609; L610, L703, L704, L709, L710		
4		1	1	COIL	LVA 78nH	723332-3	L310		
5		4	4	COIL	LVA 159nH	723332-6	L415, L515, L615, L715		
6		4	4	COIL	LVC 4.7uH	724764	L418, L518, L618, L718		
7		4	4	SHLD	2.0x6.5x0.6	358901			
8		2	2	SHLD	1.5x2.5x0.6	358903			
9		1	-	PCB ASSY, RESONATOR THRU HOLE		879455-1			
10		-	1	PCB ASSY, RESONATOR THRU HOLE		879455-2			
11		1	-	PCB ASSY, OSCILLATOR THRU HOLE		879456-1			
12		-	1	PCB ASSY, OSCILLATOR THRU HOLE		879456-2			
13		1	1	PCB ASSY, BTR700/800 RECEIVER SMT		879405-1			
14		5	5	CONTACT, SPRING		250292			
15		7	7	CONN	2 PIN .100	640115-2	J304,J305,J306,P307,P308,P309,P312		
16		1	1	SHLD	1.5 X 3.0 X 0.6	358909			

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APPROVALS:		DR BY: SMH		CHKD BY: _____		APPD BY: _____		PROD: _____		REV LEVEL:	PD
		DATE: 10/11/00		DATE: _____		DATE: _____		DATE: _____			
TITLE:		PCB SMT ASSY, BTR-700 TRANSMIT BOARD SMT									
		LOW BAND 518-536MHZ	HI BAND 554-572MHZ								
		879409-									
		-1	-2								
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
1		3	3	CAP	1uF 25V TANT A	102877053T	C801, C802, C835				
2		14	14	CAP	.001uF 0603	723483103T	C803, C804, C808, C810, C814, C817, C818, C819, C821, C823, C825, C827, C828, C830,				
3		4	4	CAP	.1uF 0603	723489101T	C805, C806, C807,C869				
4		1	1	CAP	4.7UF TANT A	102877067T	C809				
5		1	1	CAP	10pF	723482116T	C811				
6		2	2	CAP	10uF TANT A	102877047T	C812, C871				
7		2	2	CAP	5.6pF 0603	723482113T	C813, C833				
8		1	1	CAP	3.9pF 0603	723482110T	C815				
9		1	1	CAP	12pF 0603	723482117T	C816				
10		1	1	CAP	1.5pF 0603	723482103T	C820				
11		3	3	CAP	100pF 0603	723482130T	C822, C829, C834				
12		3	3	CAP	3.3pF 0603	723482109T	C824, C826, C832				
13		1	1	CAP	1pF 0603	723482101T	C831				
14		1	1	DIODE	BAV99	760481T	D801				
15		1	1	BEAD	FERRITE BEAD 0805	7234282T	FB802				
16		1	-	VCO	518-542MHZ	76030013T	HY801				
17		-	1	VCO	554-578MHZ	76030014T	HY801				
18		6	6	IND	.22uH 0805	72350828T	L801, L802, L803, L804, L807, L808				
19		1	1	IND	8nH 0805	72350812T	L805				
20		2	2	IND	27nH 0805	72350817T	L806, L809				
21		1	1	IND	12nH 0805	72350813T	L810				
22		1	1	TRANS	VP0610	504004000T	Q801				
23		4	4	TRANS	BFG540X SOT-143	760209T	Q802, Q803, Q807, Q809				
24		2	2	TRANS	MMBT3906 SOT-23	54716200T	Q804, Q808				
25		1	1	TRANS	MMUN2112	504011001T	Q805				
26		1	1	TRANS	MMUN2212	504011101T	Q806				
27		1	1	RES	0 OHM 1206	102513000T	R801				
28		1	1	RES	221K OHM 0603	723481433T	R803				
29		1	1	RES	3.92K 0603	723481257T	R804				
30		8	8	RES	475 OHM 0603	723481165T	R805, R858, R859, R860, R861, R862, R863, R864				
31		2	2	RES	4.75K OHM 0603	723481265T	R806, R822				
32		1	1	RES	100K OHM 0603	723481400T	R807				
33		2	2	RES	47.5 OHM 0603	723481065T	R808, R810				
34		1	1	RES	221 OHM 0603	723481133T	R809				
35		2	2	RES	22.1K OHM 0603	723481333T	R811, R802				
36		1	1	RES	100 OHM 0603	723481100T	R812				
37		1	1	RES	22.1 OHM 0603	723481033T	R813				
38		1	1	RES	6.81K OHM 0603	723481280T	R814				
39		1	1	RES	267 OHM 0603	723481141T	R815				
40		2	2	RES	10 OHM 0603	723481000T	R817, R823				

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		DATE: 10/11/00		DATE: ____		DATE: ____		DATE: ____	
								REV LEVEL: PD	
TITLE:		PCB SMT ASSY, BTR-700 TRANSMIT BOARD SMT							
		LOW BAND 518-536MHZ	HI BAND 554-572MHZ						
		879409-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
41		3	3	RES	10K OHM 0603	723481300T	R818, R819, R865		
42		1	1	RES	33.2 OHM 0603	723481050T	R820		
43		1	1	RES	150OHM 1206	102404117T	R821		
44		1	1	RES	0 OHM 0603	723488000T	R846		
45		1	1	IC	IC, TC55RP500	760296T	U801		
46		1	1	IC	IC, TRF2050 SSOP-20	760242T	U802		
47		1	1	POT	POT, 100 OHM	57212011T	VR801		
48		1	1	PCB	PCB	750544			
49		A/R	A/R	SOLDER PASTE		BE738			

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				Lincoln, Nebraska USA				879416	
APPROVALS:		DR BY: SMH		CHKD BY:DDN		APPD BY:R.B.		PROD:____	
		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:____	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
1				CAP	10uF A	102877047T			
		21	-				C1, C2, C3, C6, C23, C26, C33, C46, C47, C56, C126, C1107, C1114, C1123, C1125, C1136, C1138, C7, C1157, C1158, C1159		
		-	18				C1, C2, C3, C6, C23, C26, C33, C126, C1107, C1114, C1123, C1125, C1136, C1138, C7, C1157, C1158, C1159		
2				CAP	100pF 0603	723482130T			
		20	-				C4, C8, C15, C93, C98, C140, C141, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C164, C165, C167		
		-	17				C4, C8, C15, C98, C141, C153, C154, C155, C56, C157, C58, C159, C160, C161, C162, C164, C165		
3				CAP	2.2uF A	723437110T			
		8	-				C5, C14, C25, C29, C32, C36, C57, C127		
		-	7				C5, C14, C25, C29, C32, C36, C127		
4				CAP	10pF 0603	723482116T			
		27	-				C10, C38, C39, C42, C43, C44, C45, C48, C49, C50, C64, C66, C71, C74, C79, C80, C84, C85, C88, C89, C103, C110, C111, C112, C114, C117, C120		
		-	14				C10, C42, C49, C84, C85, C88, C89, C103, C110, C111, C112, C114, C117, C120		
5		6	6	CAP	.1uF 0603	723489101T	C1120, C1122, C1124, C1133, C1135, C1137		
6				CAP	.001uF 0603	102881717T			
		6	-				C17, C20, C63, C133, C1148, C1160		
		-	5				C17, C20, C133, C1148, C1160		
7				CAP	10uF B	102877065T			
		9	-				C67, C68, C90, C91, C118, C119, C144, C92, C116		
		-	6				C90, C91, C118, C119, C144, C116		
8		2	2	CAP	.047UF 0603	723483223T	C1121, C1134		
9		4	4	CAP	.47UF 1206	102880251T	C1128, C1129, C1141, C1142		
10				CAP	.01uF 0603	723483115T			

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		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:____	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
		33	-				C19, C61, C62, C131, C132, C1101, C1102, C1103, C1104, C1105, C1106, C1108, C1109, C1110, C1111, C1112, C1113, C1115, C1116, C1119, C1127, C1130, C1131, C1132, C1140, C1152, C1153, C1154, C1155, C1151, C1156,C166,C1161		
		-	31				C19, C131, C132, C1101, C1102, C1103, C1104, C1105, C1106, C1108, C1109, C1110, C1111, C1112, C1113, C1115, C1116, C1119, C1127, C1130, C1131, C1132, C1140, C1152, C1153, C1154, C1155, C1151, C1156,C166,C1161		
11				CAP	.1uF TANT A	102877006T			
		7	-				C12, C82, C83, C69, C108, C109, C70		
		-	5				C12, C82, C83, C108, C109		
12				CAP	1uF 25V A	102877053T			
		54	-				C9, C11, C13, C21, C24, C28, C31, C35, C40, C41, C51, C55, C58, C65, C72, C73, C81, C86, C87, C97, C100, C113, C115, C121,C125, C128, C135, C136, C137, C138, C139, C143, C145, C146, C147, C148, C149, C150, C151, C152, C1126, C1139, C1145, C1146,C27,C30,C34,C37,C59,C129,C1147,C1162, C169,C170		
		-	44				C9, C11, C13, C21, C24, C28, C31, C35, C40, C41, C86, C87, C97, C100, C113, C115, C121,C125, C128, C135, C136, C137, C138, C139, C143, C147, C148, C149, C150, C151, C152, C1126, C1139, C1145, C1146,C27,C30,C34,C37,C129,C1147,C1162, C169,C170		
13				CAP	22pF 0603	723482121T			
		4	-				C54, C124, C1117, C1118		
		-	3				C124, C1117, C1118		
14				CAP	.022uF 0603	723483219T			
		2	-				C75, C104		
		-	1				C104		
15				CAP	.0015uF 0603	723483105T			
		4	-				C60, C78, C107, C130		
		-	2				C107, C130		
16				CAP	390pF 0603	723482137T			
		2	-				C76, C105		
		-	1				C105		

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		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:____	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
17		2	-	CAP	.0047uF 0603	723483111T	C77, C106		
		-	1				C106		
18		2	-	CAP	56pF 0603	723482127T	C94, C99		
		-	1				C99		
19		2	2	DIODE	TMPD4148 SOT23	58711000T	D1, D11		
20		1	1	DIODE	SK34	760286T	D2		
21		1	1	DIODE	BZX84C5V1T1 SOT23	102209007T	D1101		
22		1	1	DIODE	MMBZ5240 SOT23	102256014T	D4		
23		2	-	DIODE	BAV70 SOT23	102252000T	D5, D6		
24		2	-	DIODE	DL4004	16016481SMT	D7, D8		
25		1	1	DIODE	BAV99 SOT23	760481T	D9		
26		1	1	DIODE	BAW56 SOT23	102253000T	D10		
27				FERR	BLM21A601S 0805	7234282T			
		45	-				FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9, FB10, FB11, FB12, FB13, FB14, FB15, FB16, FB17, FB18, FB19, FB20, FB21, FB22, FB23, FB24, FB25, FB26, FB27, FB28, FB29, FB30, FB31, FB32, FB33, FB34, FB35, FB36, FB37, FB38, FB39, FB40,FB41,FB42,FB43,FB44,FB45		
		-	28				FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB13, FB14, FB15, FB16, FB29, FB30, FB31, FB32, FB33, FB34, FB35, FB36, FB37, FB38, FB39, FB40,FB42,FB43,FB44,FB45		
28		1	1	IND	100uH	723516T	L1		
29		3	-	TRANS	MMBT3906 SOT23	54716200T	Q1,Q20,Q21		
		-	2				Q1, Q21		
30		16	-	TRANS	MMBT3904 SOT23	54671200T	Q2, Q3, Q4, Q5, Q6, Q7, Q9, Q10, Q11, Q12, Q13, Q14, Q17, Q18, Q19, Q1102		
		-	8				Q2, Q7, Q10, Q11, Q14, Q18, Q19, Q1102		
31		2	2	TRANS	IRFR9024N TO252	760288T	Q8, Q15		
32		1	1	TRANS	ZVN4106 SOT23	54752000T	Q16		
33				RES	1K OHM 0603	723481200T			

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					Lincoln, Nebraska USA					879416		
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		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:____				
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT										
			BTR-800	BTR-700								
		879416-										
		-1	-2									
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR					
		13	-				R1, R10, R242, R1115, R1119, R1120, R1121, R1122, R1123, R1124, R1125, R106, R224					
		-	12				R1, R10, R242, R1115, R1119, R1120, R1121, R1122, R1123, R1124, R1125, R224					
34		1	1	RES	18.2K OHM 0603	723481325T	R2					
35				RES	100K OHM 0603	723481400T						
		29	-				R3, R7, R14, R15, R91, R92, R127, R128, R148, R149, R160, R161, R169, R170, R171, R172, R205, R206, R211, R212, R218, R219, R243, R247, R248, R250, R251, R252, R1128					
		-	21				R3, R7, R14, R15, R160, R161, R169, R170, R205, R206, R211, R212, R218, R219, R243, R247, R248, R250, R251, R252, R1128					
36				RES	26.7K OHM 0603	723481341T						
		4	-				R4, R111, R229, R1108					
		-	3				R4, R229, R1108					
37				RES	10K OHM 0603	723481300T						
		99	-				R5, R9, R16, R17, R18, R19, R20, R21, R22, R23, R24, R27, R28, R29, R45, R49, R53, R57, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R87, R88, R93, R94, R95, R96, R97, R100, R101, R102, R103, R104, R107, R109, R113, R118, R120, R121, R123, R124, R136, R141, R143, R144, R154, R155, R156, R162, R163, R164, R166, R187, R197, R199, R200, R201, R207, R209, R210, R214, R215, R220, R221, R222, R225, R227, R231, R245, R246, R249,R253, R254, R1101, R1118, R262,R263,R1127					
		-	48				R5, R9, R19, R20, R27, R28, R29, R45, R49, R53, R57, R72, R73, R74, R75, R76, R101, R154, R155, R156, R163, R164, R166, R187, R197, R199, R200, R201, R207, R209, R210, R214, R215, R220, R221, R225, R227, R231, R100, R245, R246, R249, R253, R254, R1101, R1118,R263,R1127					
38				RES	10K OHM 1206	102404300T						
		5	-				R99, R165, R198, R98, R142					
		-	4				R99, R165, R198, R98					

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		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE: ____	
								REV LEVEL:	C
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
39		2	2	RES	182K OHM 0603	723481425T	R6, R244		
40				RES	2.21K OHM 0603	723481233T			
		4	-				R8, R115, R233, R86		
		-	2				R8, R233		
41		1	1	RES	10 OHM 2010	102405100T	R1116		
42		6	6	RES	15K 0603	723481317T	R1109, R1111,R46,R50,R54,R58		
43				RES	39.2K OHM 0603	723481357T			
		14	-				R11, R13, R129, R130, R145, R147, R150, R151, R157, R159, R192, R193, R202, R204		
		-	10				R11, R13, R150, R151, R157, R159, R192, R193, R202, R204		
44				RES	22.1K OHM 0603	723481333T			
		10	-				R12, R133, R146, R152, R153, R158, R181, R203, R25,R26		
		-	7				R12, R152, R153, R158, R181, R203, R25		
45				RES	6.81K OHM 0603	723481280T			
		7	-				R37, R39, R117, R139, R190, R235, R1110		
		-	5				R37, R39, R190, R235, R1110		
46		2	2	RES	330 OHM 2010	102405331T	R38,R43		
47		1	1	RES	8.25K OHM 0603	723481288T	R41		
48				RES	1.5K OHM 0603	723481217T			
		4	-				R42, R40, R108, R226		
		-	3				R42, R40, R226		
49		3	3	RES	49.9K OHM 0603	723481367T	R69, R256, R257		
50				RES	20K OHM 0603	723481329T			
		9	-				R70, R134, R174, R176, R179, R180, R183, R173, R184		
		-	5				R70, R179, R180, R183, R184		
51		-	-						
52		1	1	RES	30.1K OHM 0603	723481346T	R71		
53				RES	301 OHM 0603	723481146T			
		10	-				R89, R90, R125, R126, R167, R168, R178, R185, R216, R217		
		-	5				R167, R168, R185, R216, R217		
54				RES	1.3K 0603	723481211T			
		2	-				R105, R223		
		-	1				R223		
55				RES	47.5K OHM 0603	723481365T			
		4	-				R122, R175, R186, R213		
		-	2				R186, R213		
56				RES	33.2K OHM 1206	102404350T			

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		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:___	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
		3	-				R110, R228,R34		
		-	2				R228,R34		
57				RES	56.2K OHM 0603	723481372T			
		4	-				R112, R114, R230, R232		
		-	2				R230, R232		
58				RES	4.75K OHM 0603	723481265T			
		11	-				R116, R119, R208, R234, R1102, R1103, R1104, R1105, R1106, R1107, R1117		
		-	9				R208, R234, R1102, R1103, R1104, R1105, R1106, R1107, R1117		
59				RES	4.99K OHM 0603	723481267T			
		4	-				R131, R132, R194, R195		
		-	2				R194, R195		
60				RES	3.32K OHM 1206	102404250T			
		2	-				R135, R196		
		-	1				R196		
61				RES	3.92K OHM 0603	723481257T			
		2	-				R137, R188		
		-	1				R188		
62				RES	7.68K OHM 0603	723481285T			
		2	-				R138, R189		
		-	1				R189		
63				RES	18.7K OHM 0603	723481326T			
		2	-				R140, R191		
		-	1				R191		
64				RES	121 OHM 0603	723481108T			
		2	-				R177, R182		
		-	1				R182		
65		1	1	RES	3.01K OHM 0603	723481246T	R30		
66		1	1	RES	75K OHM 0603	723481384T	R31		
67		2	2	RES	10 OHM O603	723481000T	R32, R33		
68				JUMP	0 OHM 0603	723488000T			
		-	9				R236, R237, R238, R239, R240, JM1101, R255,R264,R266		
		3	-				R241, JM1101,R265		
69		2	2	IC	TLV320AIC27	760289	U1105, U1107		
70		1	1	IC	TMS320VC5402	760290T	U1106		

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APPROVALS:		DR BY: SMH		CHKD BY:DDN		APPD BY:R.B.		PROD:____	
		DATE: 10/27/00		DATE:4/24/01		DATE:4/24/01		DATE:____	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
71	X	1	1	IC	MCP12\130	760318T	U1101		
72		1	1	IC	256K EEPROM	760314T	U1115		
73		1	1	IC	NC7S32	760299T	U1113		
74		1	1	IC	TLVO834-14PIN	760302T	U1114		
75		3	3	IC	M4A3-32/32-10JC	760310T	U1110, U1111, U1112		
76		2	2	IC	LP2951 SO8	59631000S	U1103, U1104		
77				IC	LM833 SO8	16030833SMT			
		21	-				U1, U18, U19, U20, U21, U22, U25, U27, U28, U29, U30, U32, U34, U35, U36, U37, U38, U40, U41, U43, U44		
		-	11				U1, U19, U20, U32, U34, U36, U37, U38, U41, U43, U44		
78				IC	4053 SO16	53266123T			
		11	-				U2, U4, U11, U12, U13, U14, U15, U16, U17, U26, U39		
		-	4				U2, U13, U16, U39		
79				IC	LM393 SO8	53284001T			
		6	-				U3, U24, U31, U33, U42, U46		
		-	4				U3, U33, U42, U46		
80		1	1	IC	MC34119 SO8	760374T	U5		
81		1	1	IC	LM556 SO14	760287T	U7		
82		2	2	IC	LM3405 TO263	558023000S	U8, U48		
83				IC	SA575DK SSOP20	7602151T			
		4	-				U9, U10, U23, U45		
		-	3				U9, U10, U45		
87		1	1	IC	4066	53266108T	U49		
88		1	1	IC	LM358	53227104T	U47		
89		1	1	CAP	5-20pF RED	7234103T	VC1101		
90				POT	20K	57212001T			
		2	-				VR1, VR4		
		-	1				VR1		
91				POT	5K	57212006T			
		2	-				VR2, VR3		
		-	1				VR3		
92		1	1	PCB	CIRCUIT BOARD	750541			
93		A/R	A/R	PASTE	SOLDER PASTE	BE 738			
94				RES	3.32K 0603	723481250T			
		2					R260, R261		
			1				R261		

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APPROVALS:		DR BY: SMH		CHKD BY:DDN	APPD BY:R.B.	PROD: ____		REV LEVEL:	C
		DATE: 10/27/00		DATE:4/24/01	DATE:4/24/01	DATE: ____			
TITLE:		PCB ASSY, BTR-700/800 AUDIO SMT							
		BTR-800	BTR-700						
		879416-							
		-1	-2						
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
95		1	1	RES	1.8K 0603	723481225T	R1126		
96		1	1	IC	LM2940S-10	558028000S	U6		
97		1	1	CAP	22UF ALUM ELEC	102884313T	C168		
98		1	1	CAP	33PF CER 0603	723482124T	C1144		
99		1	1	RES	221 OHM 0603	723481133T	R1112		
100				RES	475 OHM 0603	723481165T			
		14					R267,R268,R269,R270,R271,R272,R273,R274,R275, R276,R277,R278,R279,R280		
			10				R271,R272,R273,R274,R275, R276,R277,R278,R279,R280		
101		1	1	RES	10M 0603	723488106T	R1114		
102		1	1	IC	74HC04 SO14	59624022S	U1102		
103		1	1	IC	4011B SO14	53266113T	U1116		
104		1	1	CAP	27PF 0603	723482122T	C1143		

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				Lincoln, Nebraska USA				879417			
APPROVALS:		DR BY: SMH		CHKD BY:T.Y.		APPD BY: R.B.		PROD: D.O.		REV LEVEL:	A
		DATE: 10/18/00		DATE: 04/25/01		DATE: 04/25/01		DATE: 04/25/01			
TITLE:		PCB ASSY, BTR-800/700 AUDIO THRU HOLE									
			BTR-800	BTR-700							
		879417-									
		-1	-2								
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
1		2	2	CAP	100uF ELECT	51821524	C101, C95				
2		2	2	CAP	22uF ELECT	51821538	C102, C96				
3		2	2	CAP	470uF ELECT	51821012	C16, C22				
4		1	1	HEAD	HEADER, 4PIN	640098-6	J1				
5		2	2	JACK	RJ-11	640105	J10, J5				
6		1	1	HEAD	20 PIN HEADER	640098-20	J1102				
7		2	2	HEAD	14 PIN HEADER	640098-14	J1105, J1106				
8		1	1	JACK	RJ45	640105-1	J13				
9		1	1	JACK	2 PIN	2862049	J14				
10		4	4	HEAD	XLR 3 PIN MALE NC3MAH	640114	J2, J4, J7, J9				
11		3	3	HEAD	XLR 3 PIN FEMALE	640279	J3, J6, J8				
12		2	-	RELAY	RELAY 24V	730145	K1, K2				
13		5	5	HEAD	5 PIN HEADER	640098-5	P13, P14, P15, P16, P17				
14		1	1	HEAD	12PIN HEADER	640098-19	P18				
15		1	1	CONN	4 PIN SOCKET	640133-4	P20				
16		1	1	CONN	2 PIN SOCKET	640133-2	P21				
17		8	8	CONN	SMS-105-01-G-D	640143	P22, P23, P24, P25,P26, P27, P28, P29				
18		1	1	HEAD	6 PIN HEADER	640098-13	P30				
19		1	1	SWCH	SLIDE 6P3T	700179	S1				
20		1	1	SWCH	SLIDE SWITCH 2XSPDT	700117	S2				
21		2	2	SWITCH	DPDT SLIDE	700091	SW3, SW4				
22		2	2	TRANSF	TRANSF LINE MATCHING	730094	T1, T2				
23		1	1	POT	20K	57148071	VR1101				
24		1	1	XTAL	4MHZ	780176	Y1101				
25		1	1	XTAL	24.576MHZ	780185	Y1102				
26		1	1	SHLD	SHIELD	358902					
27		1	-	ASSY	SMT, ASSY BTR-800	879416-1					
28		-	1	ASSY	SMT, ASSY BTR-700	879416-2					

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				Lincoln, Nebraska USA					
APPROVALS:		DR BY: TY		CHKD BY: T.Y		APPD BY: GENE F		PROD:	
		DATE: 03/06/01		DATE: 03/06/01		DATE: 03/06/01		DATE:	
								REV LEVEL:	A
TITLE:		SMT ASSY, BTR-700/800 FRONT PANEL							
		879418-							
		-1		-2					
ITEM NO.	NEW	BTR-800	BTR-700						
		QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR		
1				DIODE	TMPD4148 SOT-23	58711000T			
		-	4				D903, D904, D905, D906		
		6	-				D901, D902, D903, D904, D905, D906		
2				TRANS	MMBT3904 SOT-23	54671200T			
		-	4				Q901, Q902, Q903, Q904		
		6	-				Q901, Q902, Q903, Q904, Q905, Q906		
3				RES	150 OHM RES	102506151T			
		-	8				R903, R904, R905, R907, R909, R911, R913, R918		
		12	-				R901, R902, R903, R904, R905, R907, R909, R911, R913, R915, R917, R918		
4				RES	1.5K OHM RES	102506152T			
		-	4				R906, R908, R910, R912		
		6	-				R906, R908, R910, R912, R914, R916		
5				INV	74AC04	511292000T			
		-	2				U902, U903		
		3	-				U901, U902, U903		
6		1	1	PC BOARD, BTR-700/800 DISPLAY		750542			
7		A/R	A/R	SOLDER PASTE		BE738			

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				Lincoln, Nebraska USA				879419			
APPROVALS:		DR BY: DDN		CHKD BY:TJY		APPD BY: JRC		PROD:DO		REV LEVEL:	A
		DATE: 010/13/00		DATE:03/06/01		DATE: 03/06/01		DATE: 03/06/01			
TITLE:		PCB ASSY, BTR-800/700 FRONT PANEL THRU HOLE									
		BTR-800	BTR-700								
		879419-									
		-1	-2								
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
1				LED	BICOLOR LED	760285					
		-	4				DS903, DS904, DS905, DS912				
		6	-				DS901, DS902, DS903, DS904, DS905, DS912				
2				LED	LED	760200-2					
		-	4				DS906, DS907, DS908, DS909				
		6	-				DS906, DS907, DS908, DS909, DS910, DS911				
3		2	2	CONN	14 PIN CONN	640098-14	P901, P902				
4		1	1	CONN	6 PIN CONN	640098-13	P903				
5				CONN	5 PIN CONN	640098-5					
		-	3				P914, P915, P916				
		4	-				P913, P914, P915, P916				
6				SWITCH	TACT SWITCH	700161					
		-	10				S901, S902, S903, S904, S905, S906, S907, S909, S910, S911				
		12	-				S901, S902, S903, S904, S905, S906, S907, S908, S909, S910, S911, S912				
7		1	1	SWITCH	TACT SWITCH	700178	S913				
8				POT	20K LIN TAPER	724779-1					
		-	4				VR903, VR904, VR905, VR906				
		6	-				VR901, VR902, VR903, VR904, VR905, VR906				
9		1	1	POT	10K ALOG TAPER	723439-5	VR907				
10		1	1	POT	100K	723097	VR908				
11		-	10	BUTTON	GREY BUTTON	700163-1	S901, S902, S903, S904, S905, S906, S907, S909, S910, S911				
		12	-	BUTTON	BLACK BUTTON	700163	S901, S902, S903, S904, S905, S906, S907, S908, S909, S910, S911, S912				
12		1	1	BUTTON		700171	S913				
13		1	-	ASSY	SMT ASSY BTR-800	879418-1					
14		-	1	ASSY	SMT ASSY BTR-700	879418-2					
14		6	6		STANDOFF	540112					
15				KNOB		470693					
		7	-								
		-	5								

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				Lincoln, Nebraska USA				879453	
APPROVALS:		DR BY: DN		CHKD BY:SMH		APPD BY: _CC		PROD: ____	
		DATE: 10/11/00		DATE: _03/06/01		DATE:03/06/01		DATE: ____	
								REV LEVEL: C	
TITLE:		PCB ASSY, BTR-700/800 OSCILATOR SMT							
		LOW BAND 632-722MHZ							
		879453-							
		-1							
ITEM	NEW	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR			
1		1	CAP	1uF TANT A	102877053T	C311			
2		3	CAP	.001uF 0805	102879157T	C312, C316, C329			
3		1	CAP	12pF 0805	72341114T	C314			
4		1	CAP	2.2PF 0805	7234115T	C318			
5		1	CAP	220pF 0805	72341129T	C319			
6		4	CAP	100pF 0805	72341125T	C321, C325, C327, C317			
7		1	CAP	1pF 0805	7234111T	C322			
8		2	CAP	8.2pF 0805	72341112T	C323, C320			
9		2	CAP	33pF 0805	72341119T	C315, C324			
10		1	CAP	.5pF 0805	7234110T	C328			
11		1	CAP	.1uF 0805	102881186T	C313			
12		1	DIODE	HSMS-2810 SOT-23	723340T	D301			
13		2	FERRITE BEAD	BLM MURATA 0805	7234282T	FB301, FB302			
14		1	IND	10uH 1008	72402221T	L302			
15		1	IND	180nH 1008	72339717T	L303			
16	X	3	TRANS	NE68133 SOT-23	760479T	Q301, Q302, Q303			
17		1	RES	33 OHM 0805	102506330T	R304			
18		1	RES	1.5K OHM 0805	102506152T	R303			
19		1	RES	3.3K OHM 0805	102506332T	R306			
20		1	RES	6.2K OHM 0805	102506622T	R307			
21		1	RES	560 OHM 0805	102506561T	R308			
22		1	RES	47 OHM 0805	102506470T	R309			
23		1	RES	3.0K OHM 0805	102506302T	R310			
24		1	RES	270 OHM 0805	102506271T	R311			
25		1	RES	20 OHM 0805	102515029T	R312			
26		1	RES	8.2K OHM 0805	102506822T	R305			
27		1	RES	100K OHM 0805	102506104T	R313			
28		1	RES	10 OHM 0805	102506100T	R328			
29		1	CAP	TRIM 3 - 10pF (WHT)	7234102T	VC307			
30		1	CAP	TRIM 2 - 6pF (BLE)	7234101T	VC306			
31		2	CAP	1.5-3pF (BRN)	7234104T	VC309, VC308			
32		1	POT	100 OHM 0805	57212011T	VR301			
33		1	PC BOARD,	OSCILATOR, BTR-700/800	750558				
34		A/R	SOLDERPASTE		BE738				
35		2	IND	10 Nh 1008	7233973T	L305, L306			
36		1	RES	6.8K 0805	102506682T	R329			

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				Lincoln, Nebraska USA				879455-			
APPROVALS:		DR BY:D.N.		CHKD BY:DN		APPD BY: CC		PROD: DO		REV LEVEL:	A
		DATE:11/10/00		DATE: 03/07/01		DATE: 03/07/01		DATE: 03/07/01			
TITLE:		PCB ASSY, BTR-700/800 RESONATOR THRU HOLE									
		879455-									
		-1	-2								
		LOW BAND	HI BAND								
ITEM NO.	NEW	632-650 MHZ	704-722 MHZ								
		QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
1		1	-	PCB ASSY, BTR700800 RESONATOR SMT		879413-1					
2		-	1	PCB ASSY, BTR700800 RESONATOR SMT		879413-2					
3		2	2	CONN	MCX MALE	650343	P302, P303				
4		3	3	CONN	2 PIN SOCKET	640116-2	P304, P305, P306				
				TESTING REQUIRED AT THIS LEVEL.							

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					Lincoln, Nebraska USA			879456			
APPROVALS:		DR BY: DN		CHKD BY:SMH		APPD BY:CC		PROD: DRO		REV LEVEL:	B
		DATE: 10/11/00		DATE:03/06/01		DATE:03/06/01		DATE: 03/06/01			
TITLE:		PCB ASSY, BTR-700/800 OSCILATOR THRU HOLE									
		LOW BAND 632-650MHZ		HI BAND 704-722MHZ							
		879456-									
		-1		-2							
ITEM	NEW	QTY	QTY	TYPE	DESCRIPTION	PART NO.	DESIGNATOR				
1		1	1	COIL	MOLDED COIL FORM, SHORT	450587-2	L307,L308				
2		1	-	XTAL	119.166MHZ	780180-10	Y301				
3		-	1	XTAL	131.167MHZ	780180-14	Y301				
4		1	1	COIL	TOKO E542DNAS-100079	723475-21	L304				
5		1	1	PCB ASSY, OSC SMT LOW		879453-1					