

PRC-400N		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	RADIO, H/H, 400MHz, 4W	PRC400N	1	
2	BATT, PACK, 950mAh	NC65C (950mAh)	2	
3	ANT, POTABLE	HA-460-MT1	1	
4	CHARGER	CHM1100	1	
5				
6	USER'S MANUAL		1	
7	EXT SP./MIC	KSM-37		
8				
9	WALL CHARGER			
10	EARPHONE	HS-701, 8Ω 1m		
11		φ 3.5 IVORY		
12	TNC ADAPTOR	TA-4000		
13	PC PROG- SW	RCP-CL03		
14	PC PROG CABLE	RCP-C9512		
15	PC PROG MANUAL			
16	CLONING CABLE	SCA9605		
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AEROTRON-REPCO SYSTEMS, INC.
 FCC ID: N6RUHFHH-01
 EXHIBIT #: 7A

MAIN SUB ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	ASS'Y, FRONT	FOR PRC400N	1	
2	ASS'Y, FRAME	FOR PRC400N	1	
3	ASS'Y, BO, RF	PRC400N RF, ASS'Y	1	
4	ASS'Y, BO, CTRL	PRC400N CTRL, ASS'Y	1	
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7B

FRAME ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	CON, COAX	KJ-TNC-RB-5	1	
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AEROTRON-REPCO SYSTEMS, INC.
 FCC ID: N6RUHFHH-01
 EXHIBIT #: 7C

FRONT ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1				
2	SP	36-8BC-03	1	SP401
3				
4	WIRE, APPROVAL	P02-302	1	CN401
5				
6	MIC	WM-62AT	1	MIC401
7				
8	CAP, CER, SMD	GRM39C03 471J 50PT	1	C122
9				
10	CAP, CER, SMD	MC12F 104Z 50VV	1	C123
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: TD

RF BD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1				
2	ASS'Y, BD, VCO(TX)	PRC400N VCO, ASS'Y	1	
3	ASS'Y, BD, VCO(RX)	PRC400N VCO, ASS'Y	1	
4	ASS'Y, SMD, RF	PRC400N RF, SMD	1	
5				
6				
7	VR, ROTARY	TP96N00NA20KOHM	1	VR102
8	X-TAL	44.845MHz (UM-5)	1	X101
9	FILTER, X-TAL	45N37.58	1	FL101_1,FL101_2
10	FILTER, CERAMIC	CFWM455H	1	FL102
11	COIL, SPRING	3T 2D 0.5P UEM	4	L101,210,211,212
12				
13				
14				
15	CON, JACK	HSJ0838-01-010	1	J101
16	"	HSJ0836-01-310	1	J102
17	CON, PCB	F200-F-200S	1	JP101
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7E

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1				
2	IC, LINEAR, IFAMP, SMD	MC3371D	1	U101
3	IC, LINEAR, OPAMP, SMD	TDA7233D	1	U102
4	IC, LINEAR, REG, SMD	TK11455MTL	1	U201
5				
6	IC, LINEAR, REG, SMD	TK11450MTL	1	U203
7	IC, LINEAR, PLL, SMD	LMX1501AM-D	1	U204
8	IC, LINEAR, OPAMP, SMD	NJM2107F	1	U205
9	IC, LINEAR, HIC	MW 2727-1	1	U206
10	VC TCXO	GFS496(12.8MHz)	1	U202
11	FET, SMD	3SK240 (TE85L)	1	Q102
12				
13	TR, SMD	MMBR941L	1	Q101
14	TR, SMD	KTC3880-Y (T1)	1	Q103
15	TR, SMD	KTC3875-Y (T1)	3	Q104,203
16	TR, SMD	KTA1298-Y	1	Q201
17	TR, SMD	KYA102S	3	Q202,208,209
18	TR, SMD	2SC3356(R24)(T1)	2	Q207,212
19	TR, SMD	KRC107S	1	Q105
20	TR, SMD	XN4311 (T1)	2	Q211
21	TR, SMD	KTC4377-C (T1)	1	Q210
22				
23	DIODE, SW, SMD	M1809	2	D101,204
24	DIODE, SW, SMD	HSM88AS	3	D102,107,203
25	DIODE, OTHER, SMD	1SV270	4	D103,104,105,106
26	DIODE, SW, SMD	KDS196 (T1)	2	D108,201
27	DIODE, RECT, SMD	D1F20	1	D110
28	DIODE, OTHER, SMD	MA862	2	D202,205
29				
30	COIL, IFT, SMD	E55BANA-1000054	4	T101,102,103,104
31	COIL, IFT, SMD	PD-100CH-204	1	T105
32	COIL, BEAD, SMD	FBM4532HS121PB	1	L206
33	COIL, OTHER, SMD	0805AS-022J-01	1	L203
34	COIL, OTHER, SMD	0805AS-027J-01	1	L104
35	COIL, OTHER, SMD	0805AS-039J-01	1	L102
36	COIL, OTHER, SMD	0805AS-047J-01	2	L103,202
37	COIL, OTHER, SMD	0805AS-R68K-01	1	L107
38	COIL, OTHER, SMD	1008AS-1R0K-01	3	L201,205,208
39	COIL, OTHER, SMD	1008AS-1R5K-01	2	L105,106
40				
41	VR, SEMI, SMD	EVM-1SSW50B-14	1	VR203
42	VR, SEMI, SMD	EVM-1SSW50B-24	1	VR101
43	VR, SEMI, SMD	EVM-1SSW50B-53	2	VR201,202
44	VR, SEMI, SMD	EVM-1SSW50B-54	1	VR204
45				

AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7F

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
46	RES, THERMISTOR, SMD	TN10-3R104JT	1	TH202
47	RES, THERMISTOR, SMD	TN10-3S154JT	1	TH101
48				
49				
50				
51				
52				
53	FUSE, SMD	R451003	1	F101
54				
55	PCB	PRC4RF3	1	
56				
57	RES, CF, SMD	CR1/16W 000JV	5	R203,205,222,248,252
58	RES, CF, SMD	" 4R7 "	1	R137
59	RES, CF, SMD	" 100 "	2	R230,244
60	RES, CF, SMD	" 270 "	2	R120,231
61	RES, CF, SMD	" 680 "	1	R105
62	RES, CF, SMD	" 101 "	4	R138,214,221,250
63	RES, CF, SMD	" 151 "	2	R251,241
64	RES, CF, SMD	" 221 "	4	R104,107,114,208
65	RES, CF, SMD	" 331 "	2	R116,233
66	RES, CF, SMD	" 391 "	1	R228
67	RES, CF, SMD	" 471 "	4	R113,144,223,226
68	RES, CF, SMD	" 102 "	1	R128
69	RES, CF, SMD	" 122 "	1	R118
70	RES, CF, SMD	" 152 "	1	R245
71	RES, CF, SMD	" 182 "	3	R111,122,215
72	RES, CF, SMD	" 222 "	1	R142
73				
74				
75	RES, CF, SMD	CR1/16W 242JV	1	R207
76	RES, CF, SMD	" 272 "	1	R124
77	RES, CF, SMD	" 302 "	1	R227
78	RES, CF, SMD	" 332 "	2	R102,224
79				
80	RES, CF, SMD	" 472 "	2	R135,201
81	RES, CF, SMD	" 562 "	1	R243
82	RES, CF, SMD	" 682 "	1	R202
83	RES, CF, SMD	" 822 "	1	R139
84	RES, CF, SMD	" 103 "	2	R131,213
85	RES, CF, SMD	" 113 "	1	R103
86	RES, CF, SMD	" 153 "	1	R143
87	RES, CF, SMD	" 183 "	1	R212
88	RES, CF, SMD	" 223 "	5	R115,132,217,237,242
89	RES, CF, SMD	" 333 "	3	R140,234,236
90	RES, CF, SMD	" 473 "	5	R125,133,134,204,206

AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 76

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
91	RES. CF. SMD	CR1/16W 823JV	1	R216
92	RES. CF. SMD	" 104 "	4	R112, 141, 210, 235
93	RES. CF. SMD	" 184 "	2	R117, 126
94	RES. CF. SMD	" 224 "	5	R101, 108, 109, 110, 218
95	RES. CF. SMD	" 274 "	1	R121
96	RES. CF. SMD	" 334 "	1	R127
97	RES. CF. SMD	" 105 "	1	R225
98				
99	CAP. CER. SMD	GRM39C0G 0R5C 50PT	3	C115, 120, 261
100	CAP. CER. SMD	" 010C "	3	C112, 262, 269
101	CAP. CER. SMD	" 1R5C "	2	C234, 275
102	CAP. CER. SMD	" 020C "	1	C104
103	CAP. CER. SMD	" 030C "	4	C105, 107, 266, 273
104	CAP. CER. SMD	" 040C "	2	C124, 232
105	CAP. CER. SMD	" 050D "	2	C117, 257
106	CAP. CER. SMD	" 060D "	3	C113, 121, 128
107	CAP. CER. SMD	" 070D "	1	C134
108	CAP. CER. SMD	" 100D "	2	C268, 271
109	CAP. CER. SMD	" 120J "	1	C106
110	CAP. CER. SMD	" 150J "	1	C244
111	CAP. CER. SMD	" 200J "	1	C131
112	CAP. CER. SMD	" 390J "	2	C126, 145
113	CAP. CER. SMD	" 470J "	1	C147
114	CAP. CER. SMD	" 221J "	2	C140, 172
115	CAP. CER. SMD	" 471J "	16	C102, 141, 142, 168, 171
116				C211, 212, 213, 230, 233
117				C235, 240, 243, 255, 263
118				C265
119	CAP. CER. SMD	GRM39X7R 102K 50PT	34	C108, 109, 111, 116, 119
120				C122, 125
121				C133, 143, 155, 162
122				C165, 167, 170
123				C204, 206, 209, 222
124				C227, 237, 239
125				C241, 242, 247, 251
126				C253, 258, 260
127				C264, 270, 274, 276
128				C277, 279
129	CAP. CER. SMD	" 682K "	2	C138, 156
130	CAP. CER. SMD	" 103K "	4	C127, 130, 161, 163
131	CAP. CER. SMD	" 223K 25PT	2	C146, 166
132	CAP. CER. SMD	" 333K 16PT	2	C137, 224
133	CAP. CER. SMD	GRM39Y5V 104Z 25PT	9	C148, 150, 151
134				C152, 154, 173
135				C207, 219, 223

AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 74

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
136	CAP, CER, SMD	GFM39Y5V 224Z 25PT	7	C214,216,218,221
137				C248,250,252
138				
139				
140	CAP, TANTAL, SMD	ECS-T1VY104R	2	C210,220
141	CAP, TANTAL, SMD	ECS-T1VY224R	2	C144,226
142	CAP, TANTAL, SMD	ECS-T1VY474R	1	C164
143	CAP, TANTAL, SMD	ECS-T1CY105R	6	C132,135,136,139
144				C205,225
145	CAP, TANTAL, SMD	ECS-T1CY475R	7	C157,158,160,201
146				C202,208,217
147	CAP, TANTAL, SMD	ECS-TOJY106R	1	C203
148	CAP, ELEC, SMD	16CV220BS	1	C153
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7E

VCO(TX) SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	TR, SMD	2SC4226	2	Q301,302
2				
3	DIODE, OTHER, SMD	1SV270	1	Q301
4	COIL, OTHER, SMD	0805AS-R10J-01	1	L301
5	COIL, SPRING, SMD	501404 (16.1nH)	1	L302
6	COIL, OTHER, SMD	0805AS-027J	1	L303
7	RES, CF, SMD	CR/16W 221JV	1	R302
8	RES, CF, SMD	" 331 "	1	R304
9	RES, CF, SMD	" 122 "	1	R306
10	RES, CF, SMD	" 392 "	1	R305
11	RES, CF, SMD	" 822 "	1	R303
12	RES, CF, SMD	" 104 "	1	R301
13				
14	CAP, CER, SMD	GFM39C0G 020C 50PT	1	C305
15	CAP, CER, SMD	" 1R5C "	1	C304
16	CAP, CER, SMD	" 060D "	1	C306
17	CAP, CER, SMD	" 080D "	1	C303
18	CAP, CER, SMD	" 130J "	1	C307
19	CAP, CER, SMD	" 150J "	2	C308,309
20	CAP, CER, SMD	" 101J "	1	C302
21	CAP, CER, SMD	" 561J "	1	C311
22				
23	CAP, CER, SMD	GFM39Y5V 104Z 25PT	2	C301,310
24				
25	PCB	PRC4V2	1	
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 75

VCO(RX) SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	TR, SMD	2SC4226	2	Q401,402
2	DIODE, OTHER, SMD	1SV270	1	D401
3				
4	COIL, OTHER, SMD	0805AS-R10J-01	1	L401
5	COIL, SPRING, SMD	501404 (16.1nH)	1	L402
6	COIL, OTHER, SMD	0805AS-027J	1	L403
7				
8	RES, CF, SMD	CR/16W 000JV	1	R400
9	RES, CF, SMD	" 471 "	1	R404
10	RES, CF, SMD	" 122 "	1	R406
11	RES, CF, SMD	" 392 "	1	R405
12	RES, CF, SMD	" 822 "	1	R403
13	CAP, CER, SMD	GRM39C0G 0R5C 50PT	1	C404
14	CAP, CER, SMD	" 020D "	1	C405
15				
16	CAP, CER, SMD	" 060D "	1	C406
17	CAP, CER, SMD	" 100D "	1	C403
18	CAP, CER, SMD	" 130J "	1	C407
19	CAP, CER, SMD	" 200J "	1	C408
20	CAP, CER, SMD	" 561J "	1	C411
21	CAP, CER, SMD	GRM39Y5V 104Z 25PT	2	C401,410
22				
23	PCB	PRC4V2	1	
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: JK

CONTROL SUB ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	ASS'Y, SMD, CTRL	PRC400NE CTRL, SMD	1	
2	X-TAL	4.0MHz	1	X1
3				
4	SW, TACK	JTP1236A	3	SW3,5,8
5				
6	CON, PCB	F200-M-200SGW(3.7)	1	CON1
7	"	IL-Z-4P-2-S125L3-E	2	CON2,3
8				
9				
10	DISPLAY, LCD	LCD CH-60004B	1	LCD
11	RUBBER, LCD	33 X 1,4 X 4,6	1	
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7L

CONTROL SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	IC, LOGIC, 40, SMD	MC14066BD	1	U1
2	IC, LINEAR, OPAMP, SMD	LM2902M	2	U2,3
3	IC, LSI, OTHER, SMD	FX805LS	1	U4
4	IC, LINEAR, REG, SMD	TK11450MTL	1	U5
5	IC, MEM, ROM, SMD	X25160S1-2.7	1	U6
6	IC, LOGIC, OTHER, SMD	S-8054ALR	1	U7
7	IC, LSI, CPU, SMD	MC68HC705L16FU	1	U8
8				
9	TR, SMD	KTA1504(GR)(T1)	1	Q01
10	TR, SMD	KTC3875Y (T1)	2	Q02,03
11	TR, SMD	KRC107S (T1)	5	Q05,06,07,08,11
12	TR, SMD	XN4311	1	Q10
13				
14	DIODE, SW, SMD	KDS196 (T1)	3	D01,03,05
15	DIODE, SW, SMD	KDS226 (T1)	2	D02,04
16	DIODE, ZENER, SMD	Z02W5.6Y	1	Z01
17				
18	DISPLAY, LED, SMD	LN2162C13-(TR)	1	LED1
19	DISPLAY, LED, SMD	GL-220YG-C-TS	2	LED2,3
20	SW, TACK, SMD	SKHJAD 014A	5	SW1,2,4,6,7
21	PCB	PRCSCT1	1	
22				
23	CAP, CER, SMD	GRM39C0G 020C 50PT	1	C05
24	CAP, CER, SMD	" 300J "	2	C72,73
25	CAP, CER, SMD	" 101J "	2	C03,74
26				
27	CAP, CER, SMD	" 471J "	11	C34-38,88,C92-96
28				
29	CAP, CER, SMD	GRM39X7R 102K 50PT	28	C02,08,12,15,17,20
30				C32,45,47,51
31				C61-68,75,77,78,80
32				C84,86,87
33				C91,97,121
34	CAP, CER, SMD	" 222K "	1	C06
35	CAP, CER, SMD	" 332K "	3	C11,14,82
36	CAP, CER, SMD	" 472K "	1	C13
37	CAP, CER, SMD	GRM39Y5V 104Z 25PT	2	C10,76
38	CAP, CER, SMD	" 224Z "	2	C16,83
39				
40	CAP, TANTAL, SMD	ECS-T1VY104R	2	C04,41
41	CAP, TANTAL, SMD	ECS-T1VY474R	2	C01,71
42	CAP, TANTAL, SMD	ECS-T1CY105R	2	C31,40
43	CAP, TANTAL, SMD	ECS-T1CY225R	6	C07,18,33,46,70,85
44	CAP, TANTAL, SMD	ECS-T1CY475R	3	C42,43,48
45	CAP, TANTAL, SMD	ECS-T0JY106R	2	C44,50

AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7m

CONTROL SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
46	RES. CR. SMD	CR1/16W 000JV	2	R40,115
47	RES. CR. SMD	" 100 "	2	R55,68
48				
49	RES. CR. SMD	" 220 "	2	R11,32
50	RES. CR. SMD	" 101 "	1	R87
51				
52	RES. CR. SMD	" 221 "	1	R72
53	RES. CR. SMD	" 331 "	1	R74
54	RES. CR. SMD	" 391 "	1	R73
55	RES. CR. SMD	" 102 "	16	R33-37,61-67,103
56				R112-114
57	RES. CR. SMD	" 152 "	2	R16,44
58	RES. CR. SMD	" 222 "	7	R05,97,R107-111
59	RES. CR. SMD	" 332 "	1	R75
60	RES. CR. SMD	" 472 "	7	R01,03,07,08,15,86
61				R93
62		" 562 "	1	R76
63	RES. CR. SMD	" 682 "	4	R20,R116-118
64	RES. CR. SMD	" 103 "	4	R85,102,120,121
65	RES. CR. SMD	" 153 "	1	R98
66	RES. CR. SMD	" 183 "	1	R17
67	RES. CR. SMD	" 223 "	9	R02,12,45,51,80,84
68				R104-106
69	RES. CR. SMD	" 303 "	1	R23
70	RES. CR. SMD	" 333 "	4	R14,18,88,100
71				
72	RES. CF. SMD	CR1/16W 393JV	1	R48
73	RES. CF. SMD	" 473 "	7	R22,46,50,77,78,83
74				R101
75				
76	RES. CF. SMD	" 683 "	1	R47
77	RES. CF. SMD	" 104 "	17	R13,21,30,43,54,82
78				R123-128,130-134
79				
80	RES. CF. SMD	" 124 "	2	R10,70
81	RES. CF. SMD	" 154 "	2	R31,41
82	RES. CF. SMD	" 224 "	4	R06,52,81,92
83	RES. CF. SMD	" 274 "	1	R24
84	RES. CF. SMD	" 334 "	1	R42
85	RES. CF. SMD	" 105 "	2	R71,96
86	RES. CF. SMD	" 274 "	1	R24
87	RES. CF. SMD	" 334 "	1	R42
88	RES. CF. SMD	" 105 "	2	R71,96
89				
90				

AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RUHFHH-01
EXHIBIT #: 7N