

PRC-105N		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	RADIO, H/H, 155MMHz, 5W	PRC-105N	1	
2	ANT, POTABLE	HA-158H-MT1-1	1	
3	BATT, PACK 1200mAH	NM68C (1200mAH)	3	
4	CHARGER	CH-105N	1	
5	EARPHONE	HS-701	1	
6	EXT SP./MIC	KSM-37	1	
7	USER'S MANUAL	UM9709H	1	
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12	TNC ADAPTOR	TA-4000		
13	PC PROG-SW	RCP-CL05		
14	PC PROG CABLE	RCP-C9512		
15	PC PROG MANUAL	UMRCP-9709		
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AEROTRON-REPCO SYSTEMS, INC.

FCC ID: N6RVHFHH-01

EXHIBIT #: 8A

MAIN SUB ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	ASS'Y, FRAME	FOR NPROC	1	
2	ASS'Y, FRONT	FOR PRC-105N	1	
3	ASS'Y, BD, RF	105NRF2A, ASS'Y	1	
4	ASS'Y, BD, CTRL	PRC_CNT2, ASS'Y	1	
5	CON, COAX	KJ-TNC-RB-5	1	
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8		AEROTRON-REPCO SYSTEMS, INC. FCC ID: N6RVHFHH-01 EXHIBIT #: 8B		
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FRONT ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	SPEAKER	36-8BB-10B	1	SP401
2	WIRE APPROVAL	PD2-302	1	CN401
3	MIC	105NRF2A, ASS'Y	1	MIC401
4	CAP CER SMD	PRC_CNT2, ASS'Y	1	C122
5	CAP CER SMD	GRM40X7R 104K 25PT	1	C123
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AEROTRON-REPCO SYSTEMS, INC.

FCC ID: N6RVHFHH-01

EXHIBIT #: 8C

RF BOARD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	ASS'Y, BD, VCO	NEW1V2N, ASS'Y	1	
2	ASS'Y, SMD, RF	105NRF2A, SMD	1	
3	X-TAL	12.8MHz (UM-1)	1	X102
4	X-TAL	20.945MHz (UM-1)	1	X101
5	FILTER, X-TAL	21N7.5B (UM-1)	1	FL101
6	FILTER, CERAMIC	CFWM455H	1	FL102
7	COIL IFT	108B	1	T105
8	COIL SPRING	4T 3D 0.5 UEW	2	L103, 105
9	COIL SPRING	5T 3D 0.5 UEW	2	L104, 106
10	VR ROTARY	TP96D00N-15F	1	VR107
11	CON JACK	HSJ0838-01-010	1	J101
12	CON JACK	HSJ0836-01-310	1	J102
13	CON PCB	F200-F-20DSG	1	JP101
14	IC LINEAR PA HIC	M57783H	1	U102
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17		AEROTRON-REPCO SYSTEMS, INC. FCC ID: N6RVHFHH-01 EXHIBIT #: 8D		
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RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	IC, LINEAR, PLL, SMD	LMX1501AM-C	1	U105
2	IC, LINEAR, IFAMP, SMD	MC3361CD	1	U101
3	IC, LINEAR, OPAMP, SMD	NJM2107F	1	U106
4	IC, LINEAR, OPAMP, SMD	KA386D	1	U107
5	IC, LINEAR, REG, SMD	TK11450MTL	2	U103, 104
6				
7	FET SMD	3SK240 (TE85L)	2	Q101, 102
8				
9				
10	TR SMD	KTC3880-Y (T1)	1	Q103
11	TR SMD	KTC3875-Y (T1)	3	Q104, 112, 113
12	TR SMD	XN4311	2	Q105, 114
13	TR SMD	2SC3356(R24)	1	Q106
14	TR SMD	2SC2954	1	Q107
15	TR SMD	KTC4377-C (T1)	1	Q115
16	TR SMD	KRC111S	2	Q116, 117
17	TR SMD	KRA102S	2	Q111, 119
18	TR SMD	KTA1298-Y	2	Q110, 118
19	DIODE SW SMD	MI809	2	D102, 113
20	DIODE SW SMD	HSM88AS	2	D111, 114
21	DIODE SW SMD	MA862	1	D112
22	DIODE SW SMD	KDS196 (T1)	2	D117, 119
23	DIODE SW SMD	KDS226 (T1)	1	D101
24	DIODE RECT SMD	D1F20	1	D120
25	DIODE ZENER SMD	Z02W6.8X	1	D118
26				
27	DIODE VVC SMD	MA334B	9	D103-110, 116
28				
29	COIL IFT SMD	PD-1000H-201	1	T104
30	COIL IFT SMD	PD-1000H-202	2	T101, 103
31	COIL IFT SMD	PD-1000H-203	1	T102
32	COIL IFT SMD	PD-1000H-204	1	T106
33				
34	COIL CHOKE SMD	ELJ-FC1R0KF	2	L102, 111
35	COIL CHOKE SMD	ELJ-NCR10MF	1	L107
36				
37	VC CER SMD	ECRJA010A11	1	VC101
38				
39	VR SEMI SMD	EVM-1SSX50B13	1	VR102
40	VR SEMI SMD	EVM-1SSX50B14	1	VR104
41	VR SEMI SMD	EVM-1SSX50B53	2	VR103, 105
42	VR SEMI SMD	EVM-1SSX50B54	1	VR106
43	RES THERMISTOR SMD	TN10-2V221JT	1	TH101
44	RES THERMISTOR SMD	TN10-3R104JT	1	TH102
45	RES THERMISTOR SMD	TN10-3S154JT	1	TH103

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
46	FUSE SMD	R451004	1	F1
47	P.C.B (4 LAYER)	PRC-RF1	1	
48	RES CF SMD	CR1/16W 000JV	3	R141, 142, 163
49	RES CF SMD	CR1/16W 100JV	2	R135, 171
50	RES CF SMD	CR1/16W 270JV	1	R118
51	RES CF SMD	CR1/16W 470JV	1	R137
52	RES CF SMD	CR1/16W 101JV	1	R134
53	RES CF SMD	CR1/16W 121JV	1	R132
54	RES CF SMD	CR1/16W 151JV	1	R111
55	RES CF SMD	CR1/16W 221JV	1	R138
56	RES CF SMD	CR1/16W 331JV	2	R129, 160
57	RES CF SMD	CR1/16W 391JV	3	R140, 143, 115
58	RES CF SMD	CR1/16W 471JV	3	R107, 112, 151
59	RES CF SMD	CR1/16W 561JV	1	R104
60	RES CF SMD	CR1/16W 681JV	1	R133
61	RES CF SMD	CR1/16W 821JV	3	R154, 155, 156
62	RES CF SMD	CR1/16W 102JV	3	R119, 149, 167
63	RES CF SMD	CR1/16W 122JV	2	R144, 145
64	RES CF SMD	CR1/16W 222JV	1	R169
65	RES CF SMD	CR1/16W 472JV	5	R117, 123, 152
66				R175, 181
67	RES CF SMD	CR1/16W 562JV	1	R170
68	RES CF SMD	CR1/16W 682JV	4	R146, 164, 166, 180
69	RES CF SMD	CR1/16W 822JV	1	R105
70	RES CF SMD	CR1/16W 103JV	2	R158, 172
71	RES CF SMD	CR1/16W 153JV	2	R124, 131
72	RES CF SMD	CR1/16W 183JV	1	R157
73	RES CF SMD	CR1/16W 223JV	6	R106, 113, 125
74				R130, 148, 165
75	RES CF SMD	CR1/16W 333JV	1	R173
76	RES CF SMD	CR1/16W 473JV	3	R126, 147, 161
77	RES CF SMD	CR1/16W 563JV	1	R162
78	RES CF SMD	CR1/16W 104JV	13	R101-103, 108-110
79				R116, 122, 127, 128
80				R153, 159, 168
81	RES CF SMD	CR1/16W 124JV	1	R120
82	RES CF SMD	CR1/16W 224JV	1	R150
83	RES CF SMD	CR1/16W 33JV	1	R121
84	CAP CER SMD	GRM39COG 0R5C 50PT	1	C160
85	CAP CER SMD	GRM39COG 020C 50PT	1	C112
86	CAP CER SMD	GRM39COG 030C 50PT	1	C166
87	CAP CER SMD	GRM39COG 040C 50PT	3	C103, 116, 168
88	CAP CER SMD	GRM39COG 060D 50PT	2	C106, 218
89	CAP CER SMD	GRM39COG 080D 50PT	1	C101
90	CAP CER SMD	GRM39COG 100D 50PT	1	C121

RF SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
91	CAP CER SMD	GRM39COG 150J 50PT	3	C117,144,147
92	CAP CER SMD	GRM39COG 180J 50PT	2	C164,169
93	CAP CER SMD	GRM39COG 200D 50PT	1	C214
94	CAP CER SMD	GRM39COG 270J 50PT	2	C142, 163
95	CAP CER SMD	GRM39COG 300J 50PT	2	C161, 213
96	CAP CER SMD	GRM39COG 360J 50PT	1	C140
97	CAP CER SMD	GRM39COG 560J 50PT	1	C139
98	CAP CER SMD	GRM39COG 101J 50PT	1	C181
99	CAP CER SMD	GRM39COG 1R5C 50PT	1	C111
100	CAP CER SMD	GRM39COG 471J 50PT	15	C104, 109,114, 128
101				C149, 152, 154, 159
102				C185, 188, 189, 196
103				C197, 217, 219
104	CAP CER SMD	GRM39X7R 102K 50PT	30	C105, 108, 110, 113
105				C118, 120, 122, 123
106				C138, 141, 143, 145
107				C146, 150, 153, 155
108				C157, 158, 171
109				C175-177, 186, 192
110				C199, 200, 208, 210
111				C211, 212
112	CAP CER SMD	GRM39X7R 152K 50PT	2	C132, 133
113	CAP CER SMD	GRM39X7R 332K 50PT	1	C131
114	CAP CER SMD	GRM39X7R 682K 50PT	1	C130
115	CAP CER SMD	GRM39X7R 103K 50PT	2	C205, 206
116	CAP CER SMD	GRM39X7R 223K 25PT	1	C135
117	CAP CER SMD	GRM39X7R 333K 16PT	2	C127, 205
118	CAP CER SMD	GRM39Y5V 104Z 16PT	4	C136, 137, 180, 184
119	CAP CER SMD	GRM39Y5V 224Z 16PT	4	C151, 167, 174, 181
120				
121	CAP ELEC SMD	16CV220BS	1	C198
122				
123	CAP TANTAL SMD	ECS-T1VY104R	2	C187, 216
124	CAP TANTAL SMD	ECS-T1VY224R	1	C178
125	CAP TANTAL SMD	ECS-T1VY474R	3	C134, 207, 215
126	CAP TANTAL SMD	ECS-T1CY105R	4	C124, 126, 170, 201
127	CAP TANTAL SMD	ECS-T1CY225R	2	C193, 194
128				
129	CAP TANTAL SMD	ECS-T1CY335R	1	C129
130	CAP TANTAL SMD	ECS-T1CY475R	11	C125, 148, 165, 172
131				C173, 179, 183, 190
132				C195, 203, 204
133	CAP TANTAL SMD	ECS-T0JY106R	2	C191, 202
134	CAP TANTAL SMD	ECS-T1CC336R	1	C156
135	COIL CHOKE SMD	ELJ-FCR47MF	1	L101

VCO UNIT		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	ASS'Y, SMD, VCO	NEW1V2N, SMD	1	
2	CON PCB	F200-M-3SSG	1	
3	CON PCB	F200-M-3SSG(B/K2)	1	
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5		AEROTRON-REPCO SYSTEMS, INC. FCC ID: N6RVHFHH-01 EXHIBIT #: <u>8H</u>		
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VCO SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	TR SMD	2SC3356 (T1)	3	Q301, 303, 305
2	TR SMD	KRC112S (T1)	1	Q302
3	TR SMD	KRC111S (T1)	1	Q304
4				
5	DIODE VVC SMD	MA334B	4	D304-307
6	DIODE VVC SMD	MA33B	2	D301, 302
7				
8	COIL CHOKE SMD	ELJ-FC1R5KF	2	L301, 303
9				
10	COIL VCO SMD	E558CN-100024	2	L302,304
11				
12	RES CF SMD	CR1/16W101JV	1	R316
13	RES CF SMD	CR1/16W221JV	1	R305
14	RES CF SMD	CR1/16W222JV	3	R301, 304, 308
15	RES CF SMD	CR1/16W392JV	1	R307
16	RES CF SMD	CR1/16W472JV	1	R311
17				
18	RES CF SMD	CR1/16W822JV	1	R306
19	RES CF SMD	CR1/16W223JV	4	R302, 303, 309, 310
20	RES CF SMD	CR1/16W823JV	1	R313
21	RES CF SMD	CR1/16W104JV	1	R315
22	RES CF SMD	CR1/16W154JV	1	R314
23				
24	RES CER SMD	GRM39COG 010C 50PT	1	C318
25	RES CER SMD	GRM39COG 050C 50PT	2	C307, 311
26	RES CER SMD	GRM39COG 090D 50PT	2	C305, 315
27	RES CER SMD	GRM39COG 100D 50PT	2	C303, 314
28	RES CER SMD	GRM39COG 130J 50PT	1	C313
29	RES CER SMD	GRM39COG 150J 50PT	1	C304
30				
31	RES CER SMD	GRM39X7R 471K 50PT	1	C308
32	RES CER SMD	GRM39X7R 102K 50PT	5	C306, 309, 310, 320
33				C321
34	RES CER SMD	GRM39Y5V 104Z 16PT	4	C301, 312, 319, 322
35	RES CER SMD	GRM39Y5V 224Z 16PT	1	C316
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37	P.C.B (4LAYER)	NEW1V3	1	
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AEROTRON-REPCO SYSTEMS, INC.
FCC ID: N6RVHFHH-01
EXHIBIT #: 8 I

CONTROL SUB ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
1	X-TAL	4.0MHz	1	XTAL1
2	SW TACT	JTP1236A	3	SW3, 5, 8
3	CON PCB	F200-M-20DSGW (3,7)	1	CON1
4	CON PCB	IL-Z-4P-2-S125L3-E	2	CON2, 3
5	LCD	LCD CH-60004B	1	LCD
6	RUBBER LCD	33 X 1.4 X 4.6	1	
7	ASS'Y SMD CTRL	PRC_CNT2, SMD	1	
8	IC LSI CPU SMD	MC68HC705L32FU	1	U8
9	IC LSI SIGNAL SMD	FX805LS	1	U4
10	IC LINEAR REG SMD	TK11450MTL	1	U5
11	IC LOGIC RESET SMD	S-8054ALR	1	U7
12	IC MEM ROM SMD	X25160SI-2.7	1	U6
13	IC LINEAR OPAMP SMD	LM2902M	1	U2
14	IC LINEAR OPAMP SMD	LM2904M	1	U3
15	IC LOGIC 40 SMD	TC4S66F	2	U1, 11
16	IC LINEAR OTHER SMD	TLC0831CD	1	U10
17	IC LINEAR REG SMD	MIC2954-02BS	1	U9
18	TR SMD	KTA1504(GR) (T1)	1	Q1
19	TR SMD	KRC107S (T1)	4	Q5, 6, 7, 8
20	TR SMD	XN4311	2	Q10, 11
21	DIODE SW SMD	KDS196 (T1)	3	D1, 3, 5
22	DIODE SW SMD	KDS226 (T1)	1	D2
23	DISPLAY LED SMD	LN2162C13-(TR)	1	LED1
24	DISPLAY LED SMD	CL-220YG-C-TS	2	LED2, 3
25	SW TACT SMD	SKHUAD 014A	5	SW1, 2, 4, 6, 7
26	P.C.B (4LAYER)	PRC-CNT2	1	
27	CAP CER SMD	GRM39COG 020C 50PT	1	C5
28	CAP CER SMD	GRM39COG 300C 50PT	2	C72, 73
29	CAP CER SMD	GRM39COG 101J 50PT	2	C3, 74
30	CAP CER SMD	GRM39COG 331J 50PT	10	C34-38, 92-96
31	CAP CER SMD	GRM39COG 471J 50PT	1	C88
32	CAP CER SMD	GRM39X7R 102K 50PT	32	C2, 8, 12, 15, 17, 20
33				C32, 45, 47, 51
34				C61-68, 75, 77, 78
35				C80, 86, 87, 89, 90
36				C91, 97, 99, 100, 101
37				C121
38				
39	CAP CER SMD	GRM39X7R 182K 50PT	1	C6
40	CAP CER SMD	GRM39X7R 332K 50PT	2	C11, 14
41	CAP CER SMD	GRM39X7R 153K 50PT	1	C13
42	CAP CER SMD	GRM39Y5V 104Z 16PT	3	C10, 76, 103
43	CAP CER SMD	GRM39Y5V 224Z 16PT	1	C16
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AEROTRON-REPCO SYSTEMS, INC.

FCC ID: N6RVHFHH-01

EXHIBIT #: 85

CONTROL SMD ASS'Y		PARTS LIST		
NO.	PART NAME	DESCRIPTION	QTY	REFERENCE
46	CAP TANTAL SMD	ECS-T1VY104R	1	C41
47	CAP TANTAL SMD	ECS-T1VY224R	1	C4
48	CAP TANTAL SMD	ECS-T1VY474R	2	C1, 71
49	CAP TANTAL SMD	ECS-T1CY105R	2	C31, 40
50	CAP TANTAL SMD	ECS-T1CY225R	5	C7, 18, 33, 46, 60
51	CAP TANTAL SMD	ECS-T1CY475R	3	C42, 43, 48
52	CAP TANTAL SMD	ECS-T0JY106R	3	C44, 50, 98
53	RES CF SMD	CR1/16W 000JV	2	R40, 115
54	RES CF SMD	CR1/16W 100JV	1	R55
55	RES CF SMD	CR1/16W 150JV	1	R68
56	RES CF SMD	CR1/16W 220JV	2	R11, 32
57	RES CF SMD	CR1/16W 101JV	1	R87
58	RES CF SMD	CR1/16W 221JV	1	R72
59	RES CF SMD	CR1/16W 331JV	1	R74
60	RES CF SMD	CR1/16W 391JV	1	R73
61	RES CF SMD	CR1/16W 102JV	25	R33-37, 61-67
62				R77-79, 102, 103
63				R107-114
64	RES CF SMD	CR1/16W 152JV	1	R44
65	RES CF SMD	CR1/16W 182JV	1	R16
66	RES CF SMD	CR1/16W 222JV	1	R55
67	RES CF SMD	CR1/16W 332JV	3	R116-118
68	RES CF SMD	CR1/16W 472JV	7	R1, 3, 7, 8, 15, 86, 93
69	RES CF SMD	CR1/16W 682JV	1	R20
70	RES CF SMD	CR1/16W 802DV	1	R75
71	RES CF SMD	CR1/16W 103JV	3	R51, 85, 121
72	RES CF SMD	CR1/16W 103DV	1	R76
73	RES CF SMD	CR1/16W 223JV	8	R2, 12, 17, 45, 84
74				R104-106
75	RES CF SMD	CR1/16W 303JV	1	R23
76	RES CF SMD	CR1/16W 333JV	3	R14, 18, 88
77	RES CF SMD	CR1/16W 393JV	1	R48
78	RES CF SMD	CR1/16W 473JV	4	R22, 46, 50, 83
79	RES CF SMD	CR1/16W 683JV	1	R47
80	RES CF SMD	CR1/16W 104JV	17	R13, 21, 30, 43, 54
81				R82, 123, 128, 130
82				R134
83	RES CF SMD	CR1/16W 124JV	2	R10, 70
84	RES CF SMD	CR1/16W 154JV	2	R31, 41
85	RES CF SMD	CR1/16W 224JV	4	R6, 52, 81, 92
86	RES CF SMD	CR1/16W 274JV	1	R24
87	RES CF SMD	CR1/16W 334JV	1	R42
88	RES CF SMD	CR1/16W 105JV	2	R71, 89
89				
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AEROTRON-REPCO SYSTEMS, INC.

FCC ID: N6RVHEHH-01

EXHIBIT #: 8K