

195D1334 ASSY	RX/LX D.S.433 MHZ	BOM 001A5225 thru-3	
REFERENCE	PART NO.	DESCRIPTION	QTY
C1	030D71803000	CAP SMD805 1.8pF NPO	1
C2	030D71010000	CAP SMD805 10pF NPO	1
C29	030D71020100	CAP SMD805 100pF NPO	1
C3, 6, 17, 33,34	030D73910000	CAP SMD805 39pF NPO	5
C4	030B0440-081	LYTIC 47/10 .08"	1
C5, 31	030D71000000	CAP SMD805 1pF NPO	2
C7, 11	030B0445-081	LYTIC 22/10 .08" MINI	2
C8, 15, 16	030D710422R0	CAP SMD805 .01uF X7R	3
C12, 14, 19, 21, 24, 25	030D610522R	CAP SMD1206 .1uF X7R	6
C10	SEE NOTE 1	CAP SMD805 NPO	1
C9, 13, 23	30B0385-081	LYTIC 4.7/50V .08" L.L.	3
C18, 20	030A0412	DISCAP .01 1000V .375"	2
C22	030B0427-201	LYTIC 330uF/35V	1
C26 C32	030D710322R0	CAP SMD .001uF X7R	2
C28	030D72000010	CAP SMD805 2.0pF N150	1
C30	030D73000000	CAP SMD805 3pF NPO	1
C27	030D715412R0	CAP SMD805 .015uF X7R	1
D1, 4, 15, 16	052B0065	DIODE SMD SIGNAL 1N4148	4
D2, 3, 5, 6, 7, 8, 9	052B0007-401	DIODE RECTIFIER 100V 1AMP	7
D10	SEE NOTE 1	ZENER 6.2V 1 WATT	1
D11	052B0066	ZENER 6.2V SMD 500mW	1
D12	SEE NOTE 1	LED DIFFUSED T1	1
D13	SEE NOTE 1	DIODE LEADED	1
E1	888GZ0901	ANTENNA WIRE 9"	1
E2	SEE NOTE 1	ORANGE 22ST 4.75"	1
E3	SEE NOTE 1	WHT 22ST 4.75"	1
K1, 3	160B0051	RLY 24V .72W A 5A MOTOR	2
K2	160C0085	RELAY C FORM W/COVER	1
L1	040C0055	INDUCTOR L1, TUNABLE	1
L2	040B0085	COIL TUNABLE/SHIELD	1

REFERENCE	PART NO.	DESCRIPTION	QTY
L4,3,5	040B0039-451	RFC 1uF .45" P/F	3
P1	SEE NOTE 1	CONN 14 RIGHT ANGLE	1
Q1	207C0083	SMD XTOR NPN UHF	1
Q2	207C0069	SMD XSTR PNP 40V SW	1
Q3, 4, 5, 6, 7	207C0073	TRANSISTOR NPN SMD SW	5
Q8	207C0065	SMD XTOR NPN UHF PR42	1
R1	311C1025	RES SMD805 1.0K 1/10W 5%	1
R2	311C3325	RES SMD805 3.3K 1/10W 5%	1
R3, 63	311C6225	RES SMD805 6.2K 1/10W 5%	2
R4	311C4715	RES SMD805 470 1/10W 5%	1
R6,17, 24, 31, 36, 39, 52, 62	311C4725	RES SMD805 4.7K 1/10W 5%	8
R7, 13, 33, 38, 44, 46, 48,	311C1042	RES SMD805 100K 1/10W 2%	7
R8, 9, 10, 11, 12, 14, 16, 19, 20, 21, 22, 26, 27, 28, 30, 32, 34, 37, 40, 51, 56, 57	311C1035	RES SMD805 10K 1/10W 5%	22
R15	311C 1055	RES SMD805 1.0M 1/10W 5%	1
R18	SEE NOTE 1	RES SMD 805 100Ω 1/10W 5%	1
R23, 25	156A0121	RES LEADED 51 OHM FLAMEPROOF	2
R29	300A2425	RES LEADED 240 ½W 5%	1
R35, 47	302A2025	RES LEADED 200 2W 5%	2
R41, 58	311C2215	RES SMD805 220 1/10W 5%	2
R42	311C6815	RES SMD805 680 1/10W 5%	1
R49	SEE NOTE 1	RES SMD805 1/10W 5%	1
R43	304A1625	RES LEADED 160 1/4W 5%	1
R45, 54	156C0133	POT 10K 2/KNOB/LT BLUE SHAFT	2
R50	311C1235	RES SMD805 12K 1/10W 5%	1
R53	300A2025	RES LEADED 200 1/2W 5%	1
R55	302A8225	RES LEADED 820 2W 5%	1
R59	311C1835	RES SMD805 18K 1/10W 5%	1
R60	311C1535	RES SMD805 15K 1/10W 5%	1

REFERENCE	PART NO.	DESCRIPTION	QTY
R61	311C5125	RES SMD805 5.1K 1/10W 5%	1
R64,65,66,67,18	311C1015	RES SMD805 100 ohm 1/10w 5%	5
S1	180B0175	SWITCH MOM PB .47 HOR	1
T2	204C0137	TRANSFORMER 24 VAC	1
TB1, 2, 3	203B0168	TERMINAL LUG	3
U1	125B0078	5V REG 78M05 PREFORMED	1
U2	SEE NOTE 1	REC/LOGIC uP	1
U3	125C0109	IC ELECTRICALLY ERASEABLE	1
U4	125C0101	QUAD OP AMP 2902	1
ITEM 1	217A0147-1	BULK JUMPER WIRE	.33'
ITEM 2	14R506	P.C. BOARD 2 UP	0.5
ITEM 3	157a0085	PLASTIC RIVET	1
ITEM 4	SEE NOTE 1	KEY CAP	1
X1	33B0039	RESONATOR 4MHZ	1

NOTES:

1. COMPONENT USAGE CHART

CODE	FAILSAFE (CHAIN DRIVE/SCREW)		NON-FAILSAFE (CHAIN DRIVE)	
	ROLLING/BILLION		TRINARY/BILLION	
COMPONENTS	1A5225	1A5225-1	1A5225-2	1A5225-3
D10 (LEADED)	52A0098	52A0098	NOT USED	NOT USED
D13 (LEADED)	NOT USED	NOT USED	52B0029-401	52B0029-401
P1	23B0061-1	23B0061-1	23B0061-2	23B0061-2
R18 (100 SMD)	NOT USED	NOT USED	311C1015	311C1015
E2	ORANGE 22ST 4.75"	NOT USED	ORANGE 22ST 4.75"	NOT USED
E3	WHITE 22ST 4.75 "	NOT USED	ORANGE 22ST 4.75"	NOT USED
C10	30D71820002	30D71820002	30D739202R0	30D739202R0
D12	052B0079-2	052B0079-2	052B0079-1	052B0079-1
ITEM 4	31A0428-2	31A0428-2	31A0428-2	31A0428-2
R49	311C1055	311C1055	311C1045	311C1045
U2	125C0184	125C0184	125C0125	125C0125

2. ALL COMPONENTS TO BE INSERTED WITHIN .020" CLEARANCE BETWEEN P. C. BOARD AND BODY OF PART.
3. RX/LOGIC SPEC 190A0511 CHAIN DRIVE. 190A0512 SCREW DRIVE.
4. ASSEMBLY SPECIFIED IN CGI FILE E32253, VOL IC.
5. LEAD CLIP SPECIFICATION (FOR LEADED PARTS ONLY) .050 MIN. / .095 MAX.
6. CLEANING OF ASSEMBLY WITH A CLEANING SOLVENT AFTER SOLDERING IS NOT PERMITTED.
7. INSERT ITEM 3 (PLASTIC RIVET) INTO U1 TAB HOLE AND P.C.B. HOLE UNTIL HEAD OF ITEM 3 IS FLUSH WITH U1 TAB. PUSH SHAFT "A" UNTIL FLUSH WITH HEAD OF ITEM 34.
8. L2 CORE POSITION AFTER TUNING SHALL NOT EXTEND 2 TURNS ABOVE SHIELD CAN.
9. TABS REMOVED FROM P.C.B. DURING ROUTING SHALL NOT CUT INTO P.C.B. BY -.005.
10. ITEM 4 KEY CAP MUST SNAP ONTO S1 SHAFT.

ECN / DATE	APP	BY	REVISION	REV
M-098 / 5-22-98	REA	JPJ	RELEASE	A
				B