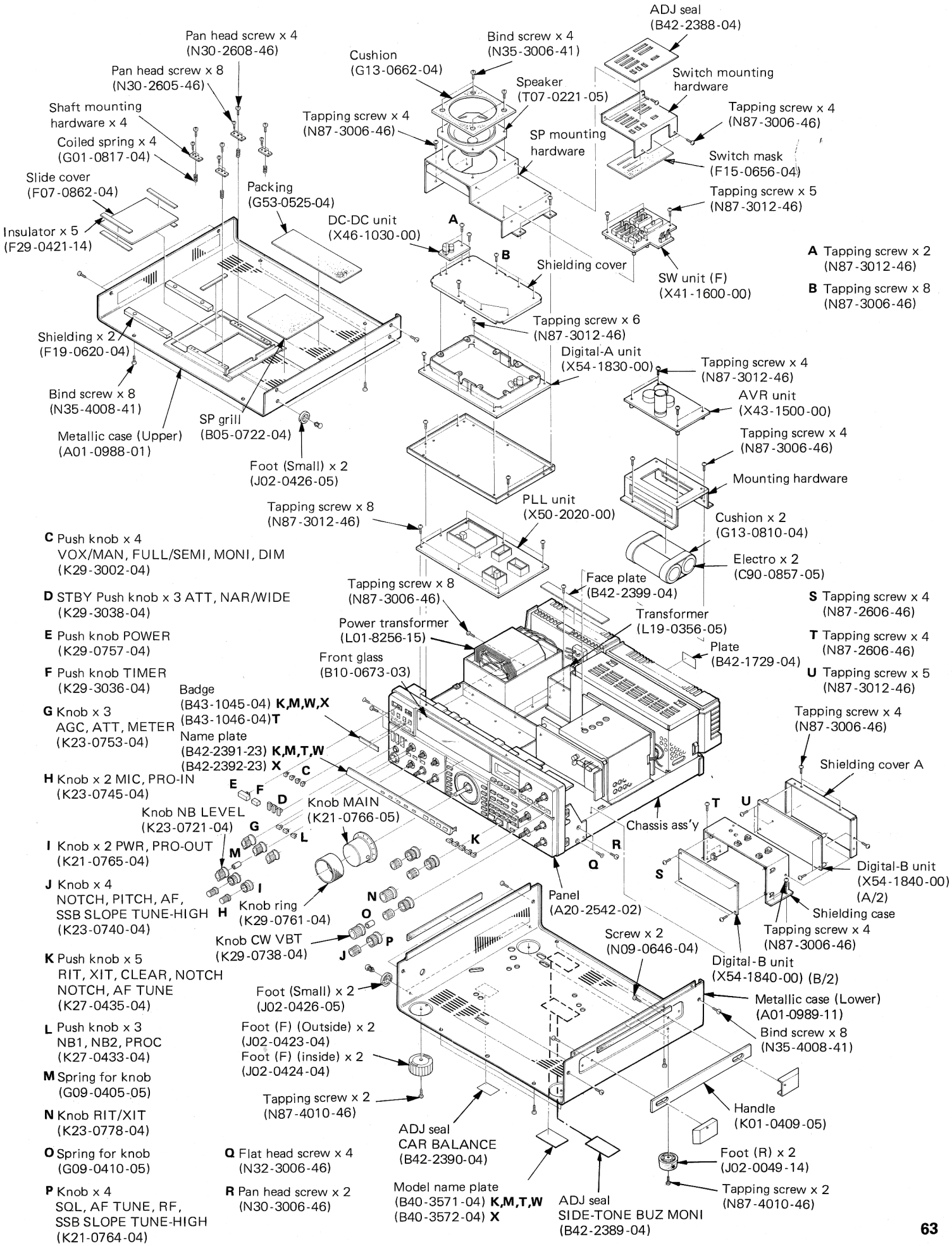
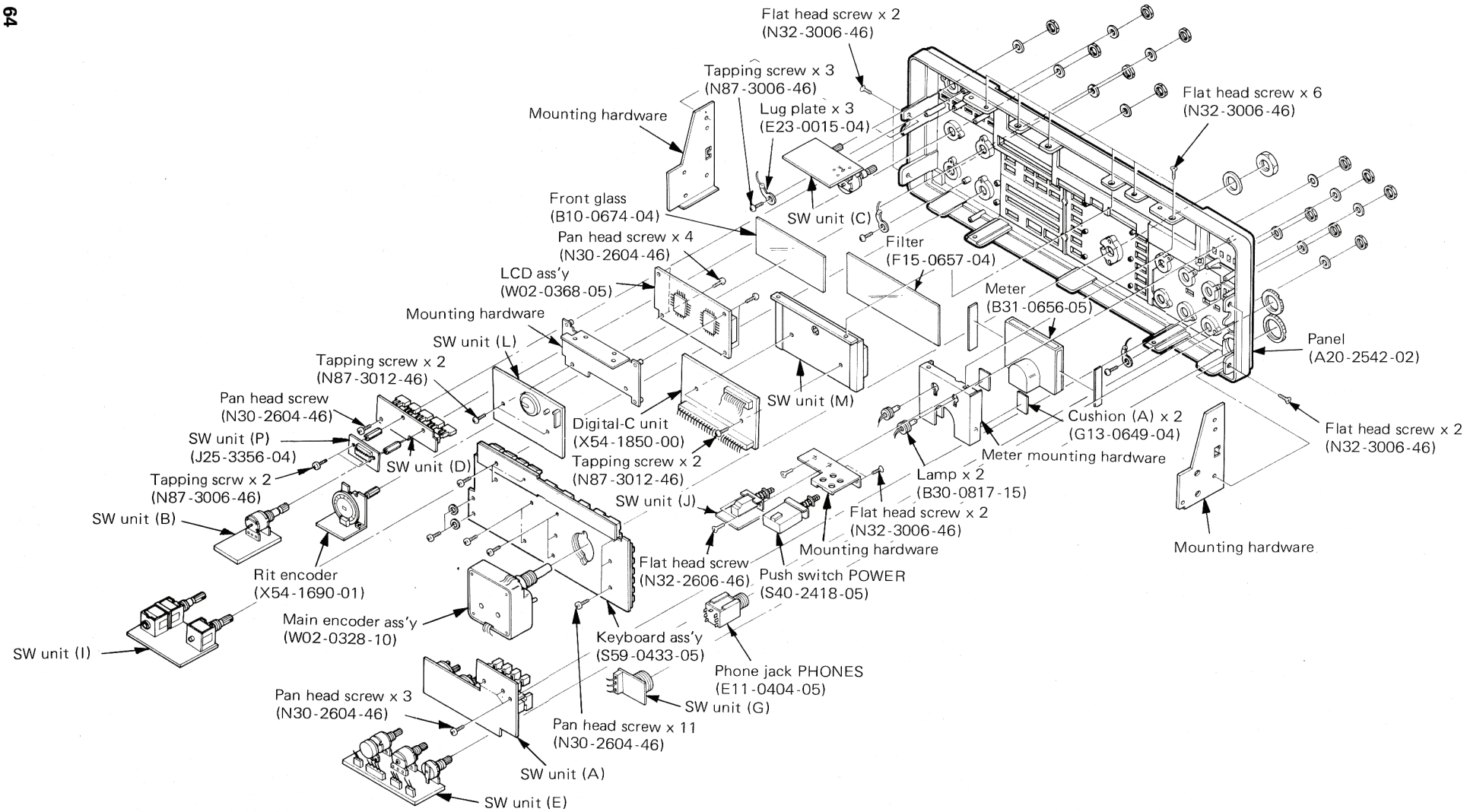
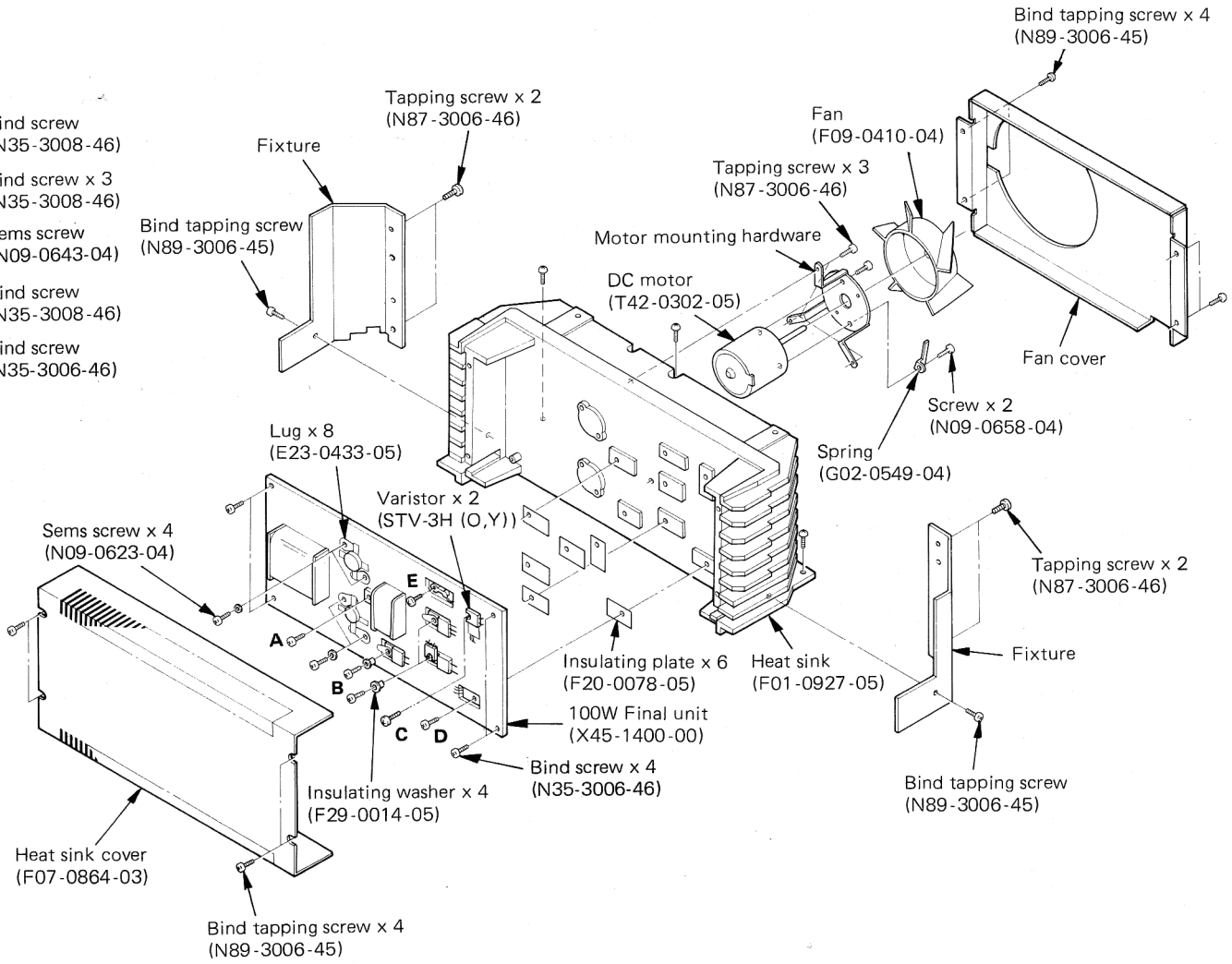

ADJ seal (B42-2388-04)
Pan head screw x 4 (N30-2608-46)
Bind screw x 4 (N35-3006-41)
Cushion (G13-0662-04)
Pan head screw x 8 (N30-2605-46)
Speaker (T07-0221-05)
Switch mounting hardware
Shaft mounting hardware x 4
Tapping screw x 4 (N87-3006-46)
Tapping screw x 4 (N87-3006-46)
SP mounting hardware
Coiled spring x 4 (G01-0817-04)
Switch mask (F15-0656-04)
Slide cover (F07-0862-04)
Packing (G53-0525-04)
Tapping screw x 5 (N87-3012-46)
DC-DC unit (X46-1030-00)
Insulator x 5 (F29-0421-14)
A
B
Shielding cover
SW unit (F) (X41-1600-00)
A Tapping screw x 2 (N87-3012-46)
B Tapping screw x 8 (N87-3006-46)
Tapping screw x 6 (N87-3012-46)
Shielding x 2 (F19-0620-04)
Digital-A unit (X54-1830-00)
Tapping screw x 4 (N87-3012-46)
AVR unit (X43-1500-00)
Bind screw x 8 (N35-4008-41)
Tapping screw x 4 (N87-3006-46)
SP grill (B05-0722-04)
Metallic case (Upper) (A01-0988-01)
Foot (Small) x 2 (J02-0426-05)
Mounting hardware
PLL unit (X50-2020-00)
Tapping screw x 8 (N87-3012-46)
Cushion x 2 (G13-0810-04)
Electro x 2 (C90-0857-05)
C Push knob x 4 VOX/MAN, FULL/SEMI, MONI, DIM (K29-3002-04)
Face plate (B42-2399-04)
Tapping screw x 8 (N87-3006-46)
S Tapping screw x 4 (N87-2606-46)
Transformer (L19-0356-05)
Power transformer (L01-8256-15)
T Tapping screw x 4 (N87-2606-46)
D STBY Push knob x 3 ATT, NAR/WIDE (K29-3038-04)
Plate (B42-1729-04)
Front glass (B10-0673-03)
U Tapping screw x 5 (N87-3012-46)
E Push knob POWER (K29-0757-04)
F Push knob TIMER (K29-3036-04)
Badge (B43-1045-04) K,M,W,X (B43-1046-04) T
Tapping screw x 4 (N87-3006-46)
G Knob x 3 AGC, ATT, METER (K23-0753-04)
Name plate (B42-2391-23) K,M,T,W (B42-2392-23) X
Shielding cover A
H Knob x 2 MIC, PRO-IN (K23-0745-04)
Knob MAIN (K21-0766-05)
Knob NB LEVEL (K23-0721-04)
Chassis ass'y
I Knob x 2 PWR, PRO-OUT (K21-0765-04)
Digital-B unit (X54-1840-00) (A/2)
J Knob x 4 NOTCH, PITCH, AF, SSB SLOPE TUNE-HIGH (K23-0740-04)
Panel (A20-2542-02)
Shielding case
Knob ring (K29-0761-04)
Tapping screw x 4 (N87-3006-46)
Screw x 2 (N09-0646-04)
Knob CW VBT (K29-0738-04)
Digital-B unit (X54-1840-00) (B/2)
K Push knob x 5 RIT, XIT, CLEAR, NOTCH NOTCH, AF TUNE (K27-0435-04)
Foot (Small) x 2 (J02-0426-05)
Metallic case (Lower) (A01-0989-11)
L Push knob x 3 NB1, NB2, PROC (K27-0433-04)
Foot (F) (Outside) x 2 (J02-0423-04)
Bind screw x 8 (N35-4008-41)
Foot (F) (inside) x 2 (J02-0424-04)
M Spring for knob (G09-0405-05)
Tapping screw x 2 (N87-4010-46)
Handle (K01-0409-05)
N Knob RIT/XIT (K23-0778-04)
ADJ seal CAR BALANCE (B42-2390-04)
Q Flat head screw x 4 (N32-3006-46)
Foot (R) x 2 (J02-0049-14)
O Spring for knob (G09-0410-05)
Model name plate (B40-3571-04) K,M,T,W (B40-3572-04) X
Tapping screw x 2 (N87-4010-46)
P Knob x 4 SQL, AF TUNE, RF, SSB SLOPE TUNE-HIGH (K21-0764-04)
R Pan head screw x 2 (N30-3006-46)
ADJ seal SIDE-TONE BUZ MONI (B42-2389-04)



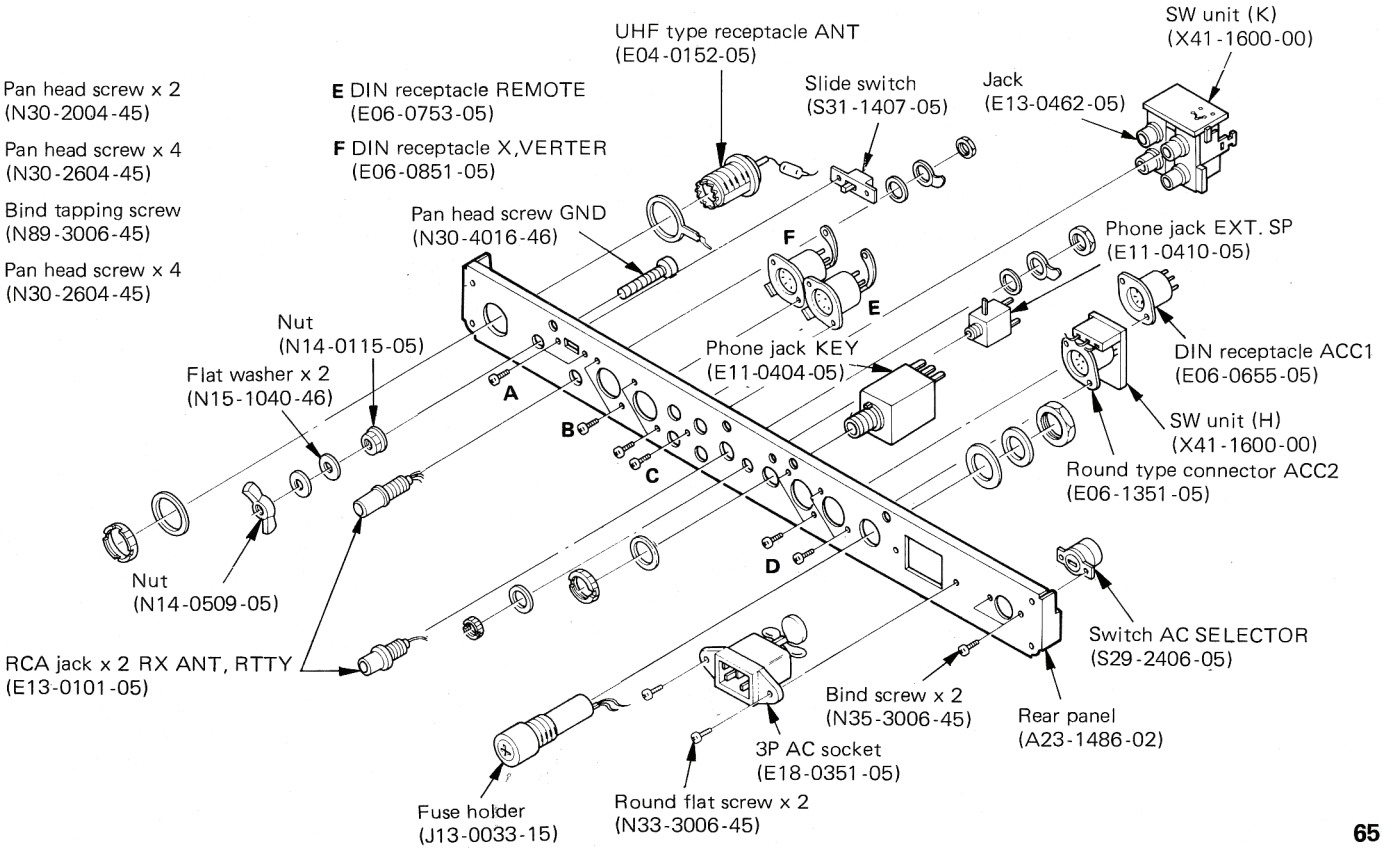
SW unit (X41-1600-00)

A	S4–10	(S40-2440-15)	Push switch	VOX/MAN,FULL/SEMI,MONI,DIM,SEND/REC,AT·T,NAR/WIDE
	S11	(S01-1432-05)	Rotary switch	ATT
	S12	(S01-1431-05)	Rotary switch	AGC
	S13	(S01-1430-05)	Rotary switch	METER
	S14–16	(S40-2434-05)	Push switch	NB1, NB2, PROC
B	VR12	(R19-3413-05)	Pot.	AF/RF
C	VR10	(R19-3421-05)	Pot.	PITCH/AF TUNE
	VR11	(R24-9402-05)	Pot.	NOTCH/SQL
D	S17–19	(S40-2439-15)	Push switch	RIT, XIT, CLEAR
	S20, 21	(S40-2438-15)	Push switch	NOTCH, AF TUNE
E	VR7	(R01-0407-05)	Pot.	NB LEVEL
	VR8	(R19-3422-05)	Pot.	PROC-IN/OUT
G	J2	(E06-0858-05)	8P metal socket	MIC
I	S2	(S29-1434-05)	Rotary switch	CW VBT
	S3	(S29-2410-05)	Rotary switch	SSB SLOPE TUNE-HIGH/LOW
J	S26	(S40-2453-05)	Rotary switch	TIMER
L	S1	(S50-1411-05)	Tact switch	
M	V1	(11-BT-05Z)	Display tube	—

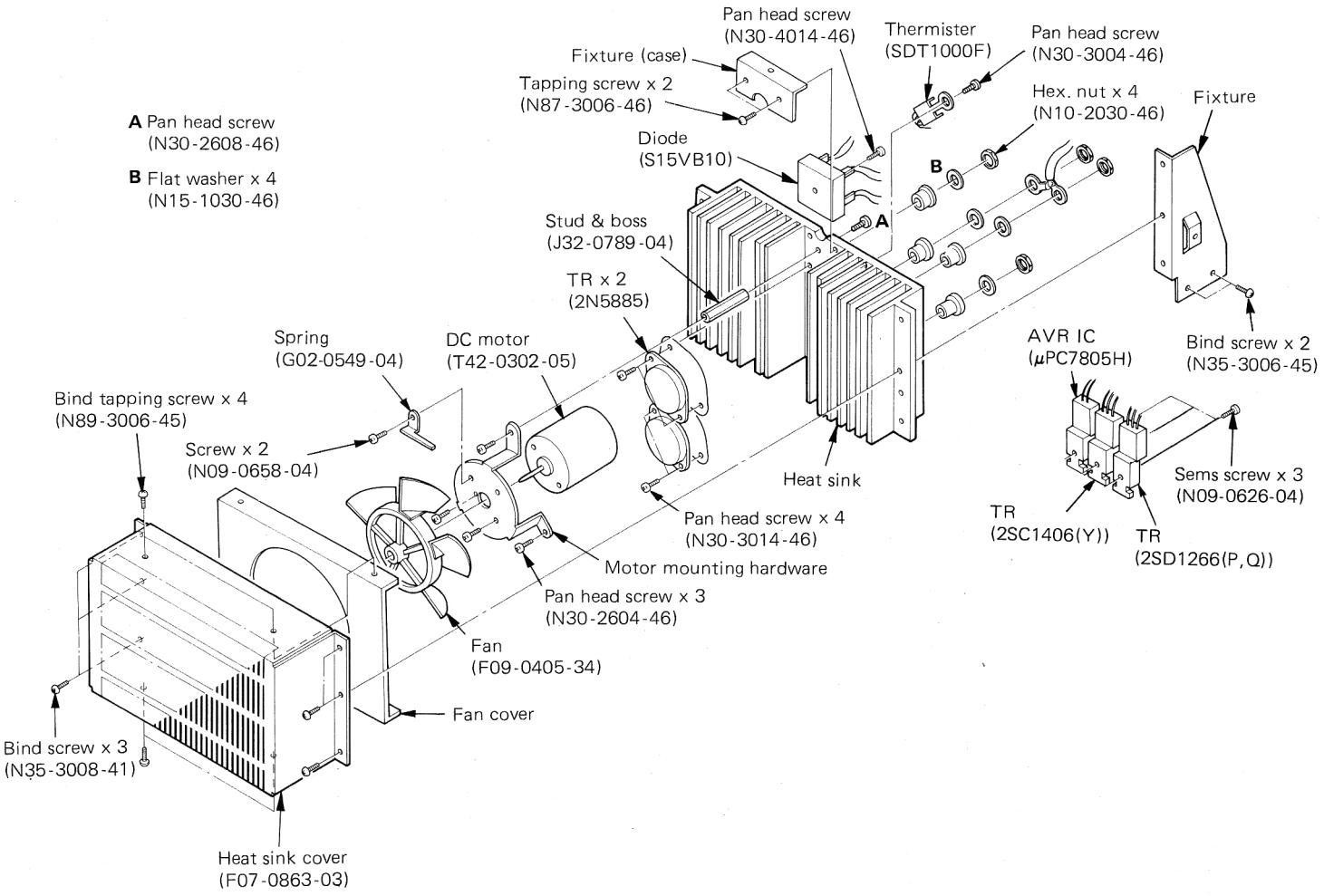
A Bind screw (N35-3008-46)
B Bind screw x 3 (N35-3008-46)
C Sems screw (N09-0643-04)
D Bind screw (N35-3008-46)
E Bind screw (N35-3006-46)



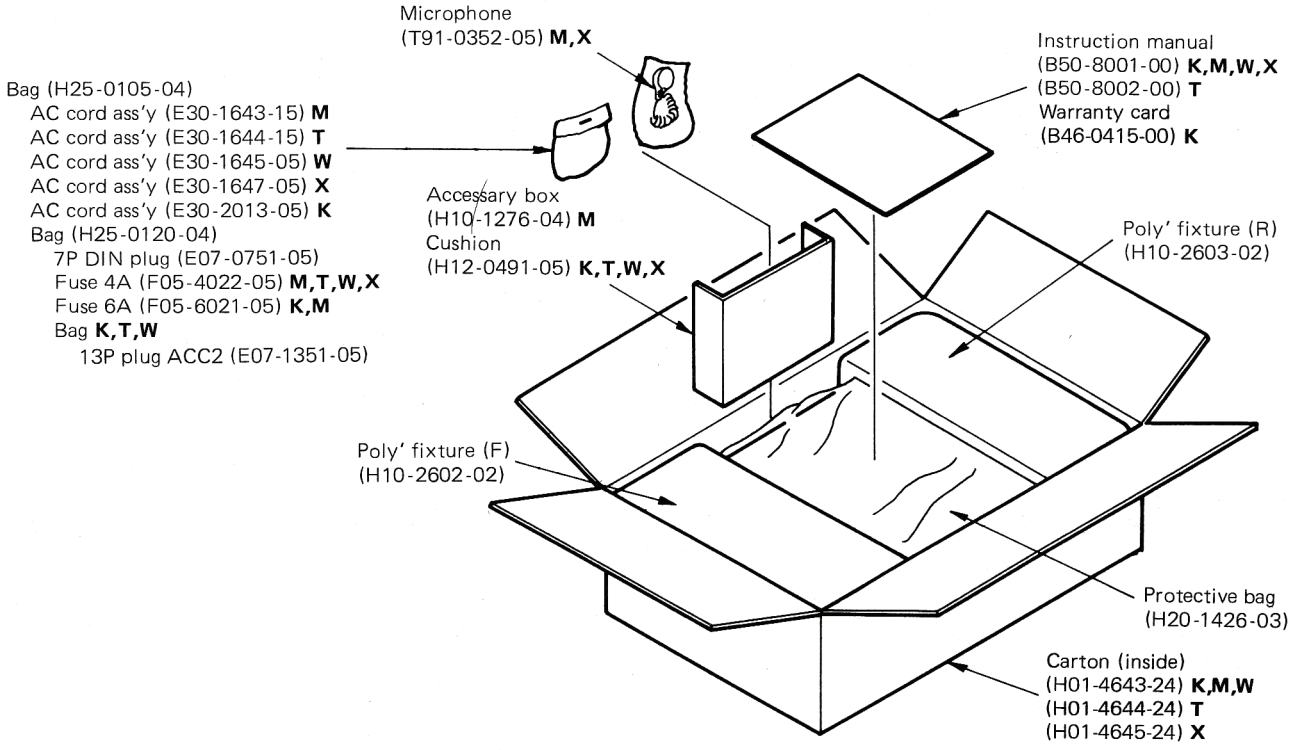
A Pan head screw x 2 (N30-2004-45)
B Pan head screw x 4 (N30-2604-45)
C Bind tapping screw (N89-3006-45)
D Pan head screw x 4 (N30-2604-45)
E DIN receptacle REMOTE (E06-0753-05)
F DIN receptacle X,VERTER (E06-0851-05)



TS-940S DISASSEMBLY/PACKING



PACKING



SEMICONDUCTOR

N : New parts
* : Please note that parts are sometimes not in stock and it takes much time to deliver.

Item	Remarks	Part No.
Diode		1N60
		1N4448
		1S1007
		1S1555
		1S1587
		1S2588
		1SS99
		1SS133
		GM-3B
		MC911
		MC921
		MC931
		MI204
		S15VB10
		U05B
D.B.M.		ND487R1-3R
Varistor		MV-203
		STV-3H(O,Y)
		SV03YS
Varactor		1SV123
Voltage variable		1SV54GC
		1SV149A
Zener diode		BZ-192
		BZ-320
		BZ-350
		MTZ3.0JB
		MTZ3.6JB
		MTZ3.9J
		MTZ3.9JB
		MTZ4.3J
		MTZ5.1J(A,B)
		MTZ5.1JA
		MTZ5.6J
		MTZ5.6JA
		MTZ5.6JB
		MTZ6.2JB
		MTZ6.8J
		MTZ9.1J
		MTZ9.1JA
		MTZ9.1JC
		MTZ10J
		MTZ10J(A,B)
		MTZ10JC
		MTZ11JC
		MTZ12J
		MTZ12JC
		MTZ16J(A,B)
		MTZ16JA
		MTZ16JC
		MTZ18JA
		MTZ18JC
		MTZ20J
		MTZ20JC
		MTZ24JD

Item	Remarks	Part No.
LED		LN66(S)
		LN01201C
		LN01301C
		LN01401C
		LT8001P
		SG238D
Sarge absorber		DSA441LA
Thermister		25D29
		112-103-2
		112-501-2
		112-503-2
		5TP-41L
Display tube	N	11-BT-05Z
LCD	N	FTD-7155
Photo TR		ON1110
		PN126S
Digital TR		DTA114ES
		DTA124ES
	N	DTA143EF
	N	DTA143ES
	N	DTA143XS
		DTC114ES
		DTC124EF
		DTC124ES
	N	DTC144WS
TR		2N5885
		2SA950(Y)
		2SA966(O)
		2SA984K(E)
		2SA1015(Y)
		2SA1048(Y)
		2SA1049(GR)
		2SA1115(E)
		2SB861(C)
		2SC496(Y)
		2SC1907
		2SC1959(Y)
		2SC1973(T)
		2SC2053
		2SC2075
		2SC2120(Y)
		2SC2235(O)
		2SC2274K(E)
		2SC2458(Y)
		2SC2459(BL)
		2SC2668(Y)
		2SC2787(L)
		2SC3113(B)
		2SD880(Y)
		2SD1266(P,O)
		2SD1406(Y)
		MRF422
		MRF485

Item	Remarks	Part No.
FET		2SK30A(GR)
		2SK30A(O)
		2SK125
		2SK125P
		2SK192A(GR)
		2SK192A(GR)*J
		3SK73(Y)
IC		BA718
		BU4001B
		HA1368
		HD74LS138P
		HD74LS245P
		HD74LS245WP
	N	HD4410
	N	HD4478
		HD10116
		HD10125
		HD10131
	N	HD10551
		LC7800
		LM358P
		M5L8255AP-5
		M74LS32P
		M54459L
		M54561P
		MB3614
		MB8416-20LP-GRA
		MBM2764-30T2
		MC74HC157N
		MC1723C
		MC10116L
		MC10125L
		MC10131L
		MC14077BCP
		MC14569BCP
	N	MC145158P
		MN6147
		MN6147C
		NE555P
	N	NE556N
		NJM2901
		NJM2903D
		NJM2904D
		NJM4558S
		PST518A

Item	Remarks	Part No.
		SN74LS32N
		SN74LS73AN
		SN74LS90N
		SN74LS138N
		SN74LS139N
		SN74LS145N
		SN74LS175N
		SN74LS245N
		SN74LS374N
		SN74S10N
		SN74S112N
		SN16913P
		TA78L008AP
		TA7140P
		TA7302P
	N	TC40H004P
		TC4001BP
		TC4011BP
		TC4027BP
		TC4040BP
		TC4049BP
		TC4073BP
		TC5065BP
		TMP8255AP-5
		μA7818UC
		μPC78L05A
		μPC78L08A
		μPC577H
		μPC1037H
		μPC7805H
		μPC7812H
		μPC7815H
		μPD8255AC-5
Micro-processor		LH0080A
		μPD780C-1
	N	μPD7508G-650-00

TS-940S GENERAL

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
A01-0988-01	N*	METALLIC CASE UPPER	1	
A01-0989-11	N*	METALLIC CASE LOWER	1	
A20-2542-02	N*	PANEL	1	
A23-1486-02	N*	REAR PANEL	1	
BU4001B		C.MOS IC 2-INPUT NOR X4	1	IC 102
B03-0525-04	*	SWITCH MASK	1	
B03-0539-04	N*	SWITCH MASK POWER/TIMER	1	
B03-0540-04	N*	SWITCH MASK SEND/REC	1	
B03-0541-04	N*	SWITCH MASK RIT/XIT	1	
B05-0722-04	*	SP GRILE	1	
B10-0673-03	N	FRONT GLASS	1	
B10-0674-04	N	FRONT GLASS LCD	1	
B11-0426-04	N	LIGHT GUIDING PLATE METER	1	
B30-0817-15		LAMP 14V 80MA	2	PL 1, 2
B31-0656-05	N	METER	1	
B40-3571-04	N*	MODEL NAME PLATE TS-940S KMTW	1	
B40-3572-04	N*	MODEL NAME PLATE TS-94X X	1	
B42-1729-04	*	PLATE"WITH ANTENNA TUNER"	1	
B42-1739-14	*	VOLTAGE IND' PLATE:120V K	1	
B42-1740-04	*	VOLTAGE IND' PLATE:220V MW	1	
B42-1741-04	*	VOLTAGE IND' PLATE:240V TX	1	
B42-2388-14	N*	ADJ SEAL VOX CONTROL	1	
B42-2389-04	N*	ADJ SEAL SIDE-TONE/BUZ/MONI	1	
B42-2390-04	N*	ADJ SEAL CAR BALANCE	1	
B42-2391-23	N*	TS-940S HF TRANSCEIVER KMTW	1	
B42-2392-23	N*	TS-940X HF TRANS	1	
B42-2399-04	*	FACE PLATE	1	
B43-1045-04	N*	BADGE KENWOOD KMWX	1	
B43-1046-04	N*	BADGE TRIO T	1	
B46-0415-00		USER & WARRANTY CARD K	1	
B48-0443-04	N*	LABEL FOR PACKAG	2	
B48-0444-04	N*	LABEL FOR PACKAG	2	
B48-0445-04	N*	LABEL FOR PACKAG	2	
B48-0446-04	N*	LABEL FOR PACKAG	2	
B50-8001-00	N	INSTRUCTION MANUAL KMWX	1	
B50-8002-00	N	INSTRUCTION MANUAL T	1	
CE04W1H010M		ELECTRO 1 50V	1	C 119
C90-0857-05		ELECTRO 22000 50V	2	C 108,109
C91-0496-05		CERAMIC 470P AC125V	2	C 102,103
C91-0647-05		CERAMIC 0.01 2KV	1	C 101
DSA441LA		SARGE ABSOBER	1	D 105
DTC124ES		DIGITAL TR NPN	1	Q 105
E04-0132-05		UHF TYPE RECEPTACLE:ANT	1	J 102
E06-0655-05	N	DIN RECEPTACLE 6P ACC1	1	J 109
E06-0753-05	N	DIN RECEPTACLE 7P REMOTE	1	J 105
E06-0851-05		DIN RECEPTACLE 8P X.VERTER	1	J 104
E07-0751-05		DIN PLUG 7P (ACCESARY)	1	
E07-0852-05		METAL PLUG 8P MIC MX	1	
E07-1351-05		PLUG ACC2 13P(ACCESSARY)	1	
E11-0404-05		PHONE JACK KEY/PHONE	2	J 101,108
E11-0410-05		PHONE JACK EXT SP	1	J 107
E13-0101-05		RCA JACK RX ANT/RTTY	2	J 103,106

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
E18-0351-05		3P AC SOCKET	1	J 110
E23-0015-04		LUG PLATE	3	
E23-0043-04		EARTH LUG ANT	1	
E23-0420-05		TERMINAL(INSIDE)	2	
E23-0425-05		LUG TERMINAL	1	
E30-1643-15		AC CORD ASS'Y M	1	
E30-1644-15		AC CORD ASS'Y T	1	
E30-1645-05		AC CORD ASS'Y W	1	
E30-1647-05		AC CORD ASS'Y X	1	
E30-2013-05	N	AC CORD ASS'Y K	1	
E40-0273-05		MINI CONNECTOR 2P	2	
E40-0773-05		MINI CONNECTOR 7P	1	
E40-3007-05		MINI CONNECTOR 2P	1	
F05-4022-05		FUSE 4A MTWX	2	
F05-6021-05		FUSE 6A KM	2	
F07-0862-04	N*	SLIDE COVER :ON TOP CASE	1	
F07-0863-03	N*	HEAT SINK COVER	1	
F09-0405-34		FAN :POWER TRANS SIDE	1	
F15-0656-14	N*	SWITCH MASK VOX	1	
F15-0657-04	N*	FILTER DISPLAY	1	
F19-0620-04	*	SHIELDING SLIDE COVER	2	
F20-0520-04		INSULATING SHEET(BATT TOP)	1	
F20-0521-04		INSULATING SHEET(SP BOTTOM)	2	
F20-0527-05		INSULATING BOARD :TRANSISTOR	2	
F29-0421-14	*	INSULATOR	5	
G01-0817-04	*	COILED SPRING	4	
G02-0349-04		SPRING MOTOR	1	
G09-0405-05		SPRING FOR KNOB NB	1	
G09-0410-05		SPRING FOR KNOB VBT	1	
G11-0609-04	*	CUSHION MIC MX	2	
G13-0649-04	*	CUSHION (A) METER	2	
G13-0662-04	*	CUSHION SPEAKER	1	
G13-0810-04	N*	CUSHION CHEMI-CON BLOCK	2	
G13-0818-04		CUSHION	1	
G13-0819-04	N*	CUSHION	1	
G53-0510-04	*	PACKING PANEL	2	
G53-0511-04	*	PACKING LED	3	
G53-0524-04	N*	PACKING TOP CASE	1	
G53-0525-04	N*	PACKING FILTER CASE	1	
H01-4643-24	N*	CARTON (INSIDE) KMW	1	
H01-4644-24	N*	CARTON (INSIDE) T	1	
H01-4645-24	N*	CARTON (INSIDE) X	1	
H03-2248-24	N*	CARTON (OUTSIDE) KMTW	1	
H03-2252-24	N*	CARTON (OUTSIDE) X	1	
H10-1276-04	*	ACCESSARY BOX M	1	
H10-2602-02	N*	POLY' FIXTURE FRONT	1	
H10-2603-02	N*	POLY' FIXTURE REAR	1	
H12-0491-04	*	CUSHION KTWX	1	
H20-1426-03	N	PROTECTIVE BAG	1	
H25-0105-04	*	POLY.BAG/DC CABLE	1	
H25-0120-04	*	BAG(CHARGER)	1	
J02-0049-14		FOOT REAR	2	
J02-0423-04		FOOT FRONT(OUT SIDE)	2	

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
J02-0424-04		FOOT FRONT(IN SIDE)	2	
J02-0426-05		FOOT SMOLL TYPE	4	
J13-0033-15		FUSE HOLDER	1	F 101
J19-1363-05		LEAD HOLDER	2	
J21-4165-04	N*	HARDWARE FIXTURE(SLIDE COVER)	4	
J32-0762-04	*	STUD & BOSS (STICK TYPE)	1	
J32-0767-04	*	STUD & BOSS (STICK TYPE)	2	
J32-0789-04	N	STUD & BOSS MOTOR	1	
K01-0409-05		HANDLE	1	
K21-0764-04		KNOB RF,SQL,----ETC	4	
K21-0765-04		KNOB PWR,PRO-OUT	2	
K21-0766-05		KNOB MAIN	1	
K23-0721-04		KNOB SQL	1	
K23-0740-04		KNOB AF,NOTCH,---ETC	4	
K23-0745-04		KNOB MIC,PRO-IN	2	
K23-0753-04		KNOB AGC,ATT,METER	3	
K23-0778-04	N	KNOB RIT/XIT	1	
K27-0433-04		PUSH KNOB NB	3	
K27-0435-04		PUSH KNOB RIT	5	
K29-0738-04		KNOB CW-VBT	1	
K29-0757-04		PUSH KNOB POWER	1	
K29-0761-04		KNOB LING MAIN	1	
K29-3002-04		PUSH KNOB VOX	4	
K29-3036-04		PUSH KNOB TIMER	1	
K29-3038-04	N	PUSH KNOB SEND/REC	3	
L01-8256-15	N	POWER TRANSFORME	1	T 101
L19-0356-05	N	TRANSFORMER	1	T 102
N09-0256-05		SCREW	2	
N09-0626-04		SEMS SCREW M3X10	3	
N09-0646-04		SCREW M4X4 HANDLE	2	
N09-0658-04		SCREW M2.6X3 MOTOR	2	
N10-2030-46		NUT,TR M3	4	
N14-0115-05		NUT GND	1	
N14-0509-05		NUT GND	1	
N14-0512-05		SPEED NUT SLIDE COVER	1	
N15-1026-46		FLAT WASHER M2.6	4	
N15-1030-41		FLAT WASHER M2.6	2	
N15-1030-46		FLAT WASHER,TR,SP	4	
N15-1040-46		FLAT WASHER M4	2	
N30-2004-45		PAN HD SCREW M2X4	2	
N30-2604-45		PAN HD SCREW M2.6X4	8	
N30-2604-46		PAN HD SCREW M2.6X4	24	
N30-2605-46		PAN HD SCREW M2.6X5	8	
N30-2606-46		PAN HD SCREW	2	
N30-2608-46		PAN HD SCREW M2.6X8	5	
N30-3004-46		PAN HD SCREW M3X4	1	
N30-3006-46		PAN HD SCREW M3X6	2	
N30-3014-46		PAN HD SCREW M3X14	4	
N30-4014-46		PAN HD SCREW M4X14	1	
N30-4016-46		PAN HD SREW M4X16 GND	1	
N32-2606-46		FLAT HD SCREW M2.6X6	4	
N32-3006-46		FLAT HD SCREW M3X6	14	
N32-3008-46		FLAT HD SCREW M3X8	2	
N33-3006-45		ROUND FLAT SCREW M3X6	2	

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
N35-3004-45		BIND SCREW M3X4	1	
N35-3006-41		BIND SCREW,SUB PANEL	4	
N35-3006-45		BIND SCREW M3X6	2	
N35-3008-45		BIND SCREW M3X8	3	
N35-4008-41		BIND SCREW M4X8	17	
N87-2606-46		TAPPING SCREW M2.6X6	18	
N87-3006-46		TAPPING SCREW,FOOT	61	
N87-3010-46		TAPPING SCREW M3X10	3	
N87-3012-46		TAPPING SCREW FINAL UNIT	29	
N87-4010-46		TAPPING SCREW M4X10	4	
N88-3006-46		FLAT TAPPING SCREW M3X6	6	
N89-3005-46		BIND TAPPING SCREW M3X5	9	
N89-3006-45		BIND TAPPING SCREW M3X6	15	
R90-0241-05		CAP. BLOCK 0.01UF X6	2	IB 101,102
SG238D		LED GREEN	1	D 102
S15VB10		DIODE	1	D 101
S29-2406-05		SWITCH AC SELECTOR	1	S 103
S31-1407-05		SLIDE SWITCH	1	S 102
S40-2418-05		PUSH SWITCH POWER	1	S 101
S50-1406-05		TACT SWITCH MIC (UP,DOWN) MX	2	
S59-0433-15	N	KEYBOARD ASS'Y	1	
TC4001BP		C.MOS IC		IC 102
T07-0221-05		SPEAKER	1	
T42-0302-05		DC MOTOR FAN	1	M 3
T91-0352-05	N	MIC MX	1	
UPC7805H		AVR IC 5 V	1	IC 101
W02-0328-10		MAIN ENCODER ASS'Y	1	
W02-0368-05	N	LCD ASS'Y	1	
W09-0326-05		LITHIUM BATTERY BR2032	3	
X41-1600-00	N*	SW UNIT A/13 TO M/13	1	
X43-1500-00	N*	AVR UNIT	1	
X44-1660-00	N*	RF UNIT	1	
X45-1400-00	N*	100W FINAL UNIT	1	
X46-1030-00	N*	DC-DC UNIT	1	
X48-1430-00	N*	IF UNIT A/2,B/2 UNIT	1	
X50-2020-00	N*	PLL UNIT	1	
X51-1330-00	N*	FILTER UNIT	1	
X53-1420-11	N*	CONTROL UNIT	1	
X54-1690-01	N*	RIT ENCODER	1	
X54-1830-00	N*	DIGITAL A UNIT	1	
X54-1840-00	N*	DIGITAL B UNIT A/2,B/2 UNIT	1	
X54-1850-00	N*	DIGITAL C UNIT	1	
X57-1130-00	N*	AT UNIT "WITH/AT"ONLY	1	
1SS133		DIODE	3	D 103,104,106
2N5885		TR	2	Q 101,102
2SD1266(P,Q)		TR	1	Q 103
2SD1406(Y)	N	TR	1	Q 104
5TP-41L			1	TH 101

SW UNIT (X41-1600-00)

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
CC45CH1H220J		CERAMIC	22P 50V	2	C 3, 4
CC45SL1H330J		CERAMIC	33P 50V	1	C 1
CE04W1A100M		ELECTRO	10 10V	1	C 8
CE04W1E220M		ELECTRO	22 25V	1	C 7
CE04W1H2R2M		ELECTRO	2.2 50V	1	C 10
CK45F1H103Z		CERAMIC	0.01 50V	3	C 9, 11, 12
CS15E1A100M		TANTALUM	10 10V	1	C 2
C91-0117-05		CERAMIC	0.01 50V	1	C 4
C91-0119-05		CERAMIC	0.047 50V	1	C 5
DTA143ES	N	DIGITAL TR	PNP	1	Q 5
DTC124EF		DIGITAL TR	NPN	1	Q 4
DTC124ES		DIGITAL TR	NPN	2	Q 1, 3
E06-0858-05		8P METAL SOCKET		1	J 2
E06-1351-05		ROUND TYPE CONNECTOR	13P	1	J 3
E13-0462-05	N	JACK	4P	1	J 1
E23-0512-05		TERMINAL	1P	3	
E40-0273-05		MINI CONNECTOR	2P	10	
E40-0274-05		MINI CONNECTOR	2P	2	
E40-0373-05		MINI CONNECTOR	3P	8	
E40-0473-05		MINI CONNECTOR	4P	5	
E40-0573-05		MINI CONNECTOR	5P	3	
E40-0673-05		MINI CONNECTOR	6P	4	
E40-0773-05		MINI CONNECTOR	7P	2	
E40-0873-05		MINI CONNECTOR	8P	4	
E40-0973-05		MINI CONNECTOR	9P	1	
E40-0974-05		MINI CONNECTOR	9P	1	
E40-1073-05		MINI CONNECTOR	10P	1	
J31-0502-04	*	COLLAR	PC BOAD	7	
J42-0428-05	*	BUSHING	PC BOAD	7	
L40-1001-12		INDUTOR	10 UH	1	L 2
L40-4701-14		INDUCTOR	47 UH	1	L 3
L77-1256-05		XTAL	32.758KHZ	1	X 1
MC911		DIODE		1	D 29
MTZ10J		ZENER DIODE	10 V	1	D 20
MTZ11JC		ZENER DIODE	11 V	1	D 26
RC05GF2H100J		RES. SOLID	10 OHM 1/2W	1	R 56
RS14AB3A180J		METAL FILM	18 OHM 1W	1	R 55
R01-0407-05	N	POTENTIOMETER	300(B)	1	R 7
R12-1434-05		TRIM.POT.	3K OHM	1	VR 13
R13-3403-05	N	SLIDE POT.	10K(B)	2	R 4, 5
R13-3404-05	N	SLIDE POT.	10K(A)	1	R 6
R13-6402-05	N	SLIDE POT.	470<(B)	2	R 2, 3
R19-3413-05		POTENTIOMETER	10K(A),10<(B)	1	R 12
R19-3421-05	N	POTENTIOMETER	100<(C)X2	1	R 10
R19-3422-05	N	POTENTIOMETER	10K(A),10K(B)	1	R 8
R24-3403-05	N	POTENTIOMETER	10K(A)10K(B)X2	1	R 9
R24-9402-05		POTENTIOMETER	10K(B),10K(F)	1	R 11
R90-0515-05		RESISTOR BLOCK	10K OHM X4	2	IB 4, 6
R90-0534-05		RESISTOR BLOCK	10K OHM X5	1	IB 5
R90-0545-05		CAP. BLOCK	0.001 X4	1	IB 3

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
R90-0546-05		CAP. BLOCK	0.01 X7	1	IB 1
R90-0585-05	N	DIODE BLOCK	1S1555 X5	1	IB 7
S01-1430-05		ROTARY SWITCH		1	S 13
S01-1431-05		ROTARY SWITCH		1	S 12
S01-1432-05		ROTARY SWITCH		1	S 11
S29-1434-05	N	ROTARY SWITCH		1	S 2
S29-2410-05	N	ROTARY SWITCH		1	S 3
S31-2412-05	N	SLIDE SWITCH		3	S 22, 23, 24
S31-2413-05	N	SLIDE SWITCH		1	S 25
S40-2434-05		PUSH SWITCH		3	S 14, 15, 16
S40-2438-15		PUSH SWITCH		2	S 20, 21
S40-2439-15		PUSH SWITCH		3	S 17, 18, 19
S40-2440-15		PUSH SWITCH		7	S 4, 5, 6, 7, 8, 9, 10
S40-2453-05	N	PUSH SWITCH		1	S 26
S50-1411-05		TACT SWITCH		1	S 1
UPC78L05A		AVR IC	5 V	1	IC 2
UPD7508G-650-00	N	MICRO-PROCESSOR		1	IC 1
1N60		DIODE		3	D 30, 31, 32
1SS133		DIODE		25	D 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 25, 27, 28, 33
11-BT-05Z		DISPLAY TUBE		1	V 1
2SA1048(Y)		TR		1	Q 2

AVR UNIT (X43-1500-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
BZ-320		ZENER DIODE	32 V		1	D 3
CE04W1A470M		ELECTRO	47	10V	3	C 9, 10, 11
CE04W1E100M		ELECTRO	10	25V	1	C 8
CE04W1E101M		ELECTRO	100	25V	1	C 14
CE04W1E220M		ELECTRO	22	25V	1	C 13
C90-0858-05		ELECTRO	2200	50V	2	C 3, 4
C90-0859-05		ELECTRO	2200	35V	1	C 6
C90-2014-05		ELECTRO	6800	16V	1	C 12
C91-0117-05		CERAMIC	0.01	50V	1	C 5
C91-0119-05		CERAMIC	0.047	50V	1	C 7
E23-0453-05		TERMINAL			2	
E23-0462-05	N	TERMINAL			5	
E40-0273-05		MINI CONNECTOR	2P		7	
E40-0373-05		MINI CONNECTOR	3P		4	
E40-0473-05		MINI CONNECTOR	4P		1	
E40-0873-05		MINI CONNECTOR	8P		1	
F05-1534-05		FUSE	15A		1	F 1
J31-0502-04	*	COLLAR	PC BOAD		4	
J42-0428-05	*	BUSHING	PC BOAD		4	
L40-1511-03		INDUCTOR	150 UH		3	L 1, 2, 3
MTZ12JC		ZENER DIODE	12 V		1	D 4
MTZ18JC		ZENER DIODE	18 V		1	D 8
MTZ22JD		ZENER DIODE	22 V		1	D 14
MTZ9.1JA		ZENER DIODE	9.1V		1	D 9
RC05GF2M561J		RES. SOLID	560 OHM	1/2W	1	R 21
RS14AB3A2R2J		METAL FILM	2.2 OHM	1W	3	R 1, 2, 4
RS14GB3AB21J		METAL FILM	820 OHM	1W	1	R 19
R12-0429-05		TRIM.POT.	500 OHM		1	VR 1
R92-0620-05		CEMENT RESISTOR	15M OHM	5W	1	R 9
SV03YS		VARISTOR			1	D 6
U05B		DIODE			6	D 1, 2, 10, 11, 12, 13
1SS133		DIODE			2	D 5, 6
2SB861(C)		TR			1	Q 1
2SC1959(Y)		TR			1	Q 5
2SC2235(O)		TR			1	Q 6
2SC2458(Y)		TR			3	Q 2, 3, 4

RF UNIT (X44-1660-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
CC45CH1H010C		CERAMIC	1P	50V	1	C 106
CC45CH1H101J		CERAMIC	100P	50V	1	C 4
CC45CH1H150J		CERAMIC	15P	50V	1	C 3
CC45CH1H220J		CERAMIC	22P	50V	3	C 183,185,186
CC45CH1H470J		CERAMIC	47P	50V	1	C 2
CC45CH1H560J		CERAMIC	56P	50V	1	C 6
CC45RH1H010C		CERAMIC	1P	50V	1	C 89
					3	96,154,155
CC45RH1H020C		CERAMIC	2P	50V	1	C 152
CC45RH1H030C		CERAMIC	3P	50V	1	C 125
CC45RH1H070D		CERAMIC	7P	50V	1	C 119
CC45RH1H100D		CERAMIC	10P	50V	5	C 50, 52, 64, 93,138
					1	137
CC45RH1H120J		CERAMIC	12P	50V	3	C 142,143,147
CC45RH1H121J		CERAMIC	120P	50V	4	C 14, 40,116,118
CC45RH1H180J		CERAMIC	18P	50V	1	C 117
CC45RH1H181J		CERAMIC	180P	50V	2	C 31, 33
CC45RH1H220J		CERAMIC	22P	50V	2	C 144,148
CC45RH1H221J		CERAMIC	220P	50V	2	C 25, 27
CC45RH1H270J		CERAMIC	27P	50V	4	C 58, 62,139,149
CC45RH1H390J		CERAMIC	39P	50V	2	C 51, 56
CC45RH1H470J		CERAMIC	47P	50V	2	C 5, 85
CC45RH1H560J		CERAMIC	56P	50V	3	C 39, 41, 57
CC45RH1H680J		CERAMIC	68P	50V	3	C 38, 45, 63
CC45RH1H820J		CERAMIC	82P	50V	2	C 44, 46
CC45SL1H020C		CERAMIC	2P	50V	1	C 104
CC45SL1H030C		CERAMIC	3P	50V	2	C 108, 67
CC45SL1H101J		CERAMIC	100P	50V	3	C 37, 91,180
CC45SL1H150J		CERAMIC	15P	50V	1	C 105
CC45SL1H220J		CERAMIC	22P	50V	1	C 92
CC45SL1H330J		CERAMIC	33P	50V	3	C 159,162,168
CC45SL1H331J		CERAMIC	330P	50V	1	C 18
CC45SL1H680J		CERAMIC	68P	50V	1	C 99
CC45SL1H681J		CERAMIC	680P	50V	1	C 23
CC45SL1H820J		CERAMIC	82P	50V	1	C 90
CC45TH1H220J		CERAMIC	22P	50V	1	C 146
CC45TH1H270J		CERAMIC	27P	50V	1	C 141
CC45TH1H330J		CERAMIC	33P	50V	1	C 136
CE04W1E010M		ELECTRO	1	25V	1	C 191
CE04W1E220M		ELECTRO	22	25V	11	C 7, 12, 21, 29, 35, 43, 48, 54, 60, 66
						80
CE04W1E4R7M		ELECTRO	4.7	25V	1	C 127
CE04W1E470M		ELECTRO	47	25V	2	C 83,121
CE04W1H010M		ELECTRO	1	50V	1	C 114
CK45B1H471K		CERAMIC	470P	50V	4	C 187,188,189,190
CQ92M1H102K		MYLAR	0.001	50V	1	C 16
CQ92M1H152K		MYLAR	0.0015	50V	2	C 15, 17
C90-0506-05		ELECTRO	0.22	50V	1	C 75
C90-0817-05		ELECTRO	1000	16V	1	C 134
C91-0117-05		CERAMIC	0.01	50V	2	C 100,101
C91-0119-05		CERAMIC	0.047	25V	45	C 8, 9, 10, 11, 20, 28, 30, 34, 36, 42
						47, 49, 53, 55, 59, 61, 65, 67, 68, 69
						70, 72, 73, 74, 76, 77, 78, 79, 81, 82
						84, 86, 87,109,112,113,115,122,125,124
						128,166,169,177,178
C91-0667-05		CERAMIC	0.0047	50V	3	C 94, 95,107

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
C91-1008-05		CERAMIC 0.022 50V	5	C 131,132,133,157,158
			1	163
DTA143XS		DIGITAL TR PNP	1	Q 14
E04-0154-05		RF COAX. CONNECTOR	9	
E23-0430-05		TERMINAL	1	
E40-0211-05		MINI CONNECTOR 2P	1	
E40-0273-05		MINI CONNECTOR 2P	4	
E40-0373-05		MINI CONNECTOR 3P	1	
E40-0473-05		MINI CONNECTOR 4P	3	
E40-0573-05		MINI CONNECTOR 5P	1	
GM-3B		DIODE	1	D 44
L19-0324-05		TOROIDAL	3	T 1, 2, 3
L19-0335-05		TOROIDAL	1	T 4
L19-0347-05		TRANSFORMER 5.5T	1	T 5
L32-0651-05		OSC COIL	1	L 65
L32-0652-05		OSC COIL	1	L 68
L32-0653-05		OSC COIL	1	L 71
L33-0658-05		CHOKE COIL	2	L 82, 83
L33-0685-05	N	CHOKE COIL	1	L 84
L34-0691-05		TUNING COIL	1	L 86
L34-1124-05		COIL 5 6.5T	2	L 1, 42
L34-2074-05		TUNING COIL	1	L 45
L34-2080-05		TUNING COIL	1	L 2
L34-2081-05		TUNING COIL	1	L 5
L34-2082-05		TUNING COIL	1	L 6
L34-2083-05		TUNING COIL	1	L 9
L34-2085-05		TUNING COIL	1	L 11
L34-2086-05		TUNING COIL	1	L 12
L34-2087-05		TUNING COIL	1	L 13
L34-2088-05		TUNING COIL	1	L 14
L34-2089-05		TUNING COIL	1	L 15
L34-2090-05		TUNING COIL	1	L 16
L34-2091-05		TUNING COIL	1	L 18
L34-2092-05		TUNING COIL	1	L 19
L34-2093-05		TUNING COIL	2	L 20, 21
L34-2094-05		TUNING COIL	1	L 22
L34-2095-15		TUNING COIL	1	L 23
L34-2096-05		TUNING COIL	1	L 24
L34-2097-05		TUNING COIL	1	L 7
L34-2098-05		TUNING COIL	1	L 10
L34-2101-05		TUNING COIL	1	L 29
L34-2106-05		TUNING COIL	2	L 74, 76
L34-2107-05		TUNING COIL	1	L 75
L34-2109-15		TUNING COIL	1	L 60
L34-2111-05		TUNING COIL	2	L 53, 57
L34-2112-05		TUNING COIL	2	L 54, 56
L34-2113-05		TUNING COIL	1	L 55
L34-2114-15		TUNING COIL	3	L 50, 51, 52
L34-2161-15		TUNING COIL	1	L 40
L34-2241-05	N	TUNING COIL	2	L 25, 27
L34-2242-05	N	TUNING COIL	1	L 26
L34-2243-05	N	TUNING COIL	2	L 28, 30
L34-2244-05	N	TUNING COIL	2	L 31, 33

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
L34-2245-05	N	TUNING COIL	1	L 32
L34-2247-05		TUNING COIL	2	L 44, 46
L40-1011-03		INDUCTOR 100 UH	2	L 61, 62
L40-1021-03		INDUCTOR 1 MH	2	L 3, 41
L40-1092-13		INDUCTOR 1 UH	1	L 83
L40-1811-03		INDUCTOR 180 UH	1	L 59
L40-2201-03		INDUCTOR 22 UH	2	L 70, 72
L40-2701-03		INDUCTOR 27 UH	2	L 67, 69
L40-3301-03		INDUCTOR 33 UH	2	L 64, 66
L40-3391-03		INDUCTOR 3.3 UH	1	L 80
L40-4701-03		INDUCTOR 47 UH	6	L 47, 63, 73, 77, 78, 79
L40-4701-14		INDUCTOR 47 UH	1	L 43
L40-4711-03		INDUCTOR 470 UH	6	L 4, 34, 35, 37, 38, 39
L40-5691-02		INDUCTOR 5.6 UH	1	L 58
L40-8291-02		INDUCTOR 8.2 UH	1	L 17
MC911		DIODE	1	D 40
MI204		DIODE	2	D 23, 26
MTZ16JA		ZENER DIODE 16 V	1	D 34
MTZ3.0JB		ZENER DIODE 3.0V	1	D 27
MTZ3.6JB		ZENER DIODE 3.6V	1	D 22
MTZ5.1JA		ZENER DIODE 5.1V	1	D 48
MV-203		VARISTOR	1	D 25
RC05GF2H221J		RES. SOLID 220 OHM 1/2W	2	R 6, 15
RC05GF2H331J		RES. SOLID 330 OHM 1/2W	1	R 5
RC05GF2H471J		RES. SOLID 470 OHM 1/2W	1	R 144
RC05GF2H821J		RES. SOLID 820 OHM 1/2W	1	R 31
RS14AB3D470J		METAL FILM 47 OHM 2W	2	R 134,135
R12-1429-05		TRIM.POT. 500 OHM	2	VR 2, 3
R12-3443-05		TRIM.POT. 10K OHM	1	VR 1
R90-0593-05	N	RESISTOR BLOCK 2.2KOHM X9	1	RB 1
SN74LS145N		T.T.L. IC: BCD DECIMAL DECODER	1	IC 1
S51-1414-05		RELAY	1	RL 4
S51-1420-05		RELAY	3	RL 1, 2, 3
1SS133		DIODE	11	D 28, 29, 30, 31, 32, 41, 42, 43, 45, 46, 47
1SV54GC		VOLTAGE VARIABLE	3	D 33, 36, 38
1S1587		DIODE	3	D 35, 37, 39
1S2588		DIODE	21	D 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
2SA1048(Y)		TR	2	Q 13, 26
2SC1907		TR	5	Q 4, 19, 20, 22, 23
2SC1973(T)		TR	1	Q 5
2SC2053		TR	1	Q 6
2SC2458(Y)		TR	5	Q 15, 24, 25, 27, 28
2SC2668(Y)		TR	1	Q 21
2SK125		FET	2	Q 7, 8
2SK125P		FET PAIR	2	Q 9, 10
2SK192A(GR)*J		FET	3	Q 16, 17, 18
3SK73(GR)		FET	3	Q 1, 2, 3

TS-940S PARTS LIST

100W FINAL UNIT (X45-1400-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
BZ-192		ZENAR DIODE	19 V		1	D 5
BZ-350		ZENAR DIODE	35 V		1	D 1
CC45SL1H271J		CERAMIC	270P	50V	1	C 35
CC45SL1H331J		CERAMIC	330P	50V	2	C 2, 9
CC45SL2H101J		CERAMIC	100P	500V	2	C 8, 42
CE04W1A471M		ELECTRO	470	10V	1	C 18
CE04W1H100M		ELECTRO	10	50V	1	C 12
CE04W1H101M		ELECTRO	100	50V	1	C 24
CK45F1H103Z		CERAMIC	0.01	50V	2	C 23, 43
CM73F2H331J		CHIP CAP.	330P	500V	1	C 33
CM73F2H391J		CHIP CAP.	390P	500V	1	C 38
CM73F2H681J		CHIP CAP.	680P	500V	1	C 28
C91-0456-05		CERAMIC	0.047	25V	11	C 1, 3, 5, 11, 20, 21, 25, 26, 27, 36 37
C91-0491-05		CHIP CAP.	0.0047		2	C 16, 17
C91-0493-05		CHIP CAP.	0.47		2	C 29, 30
E23-0015-04		LUG PLATE			1	
E23-0433-05		LUG			8	
F01-0927-05	N*	HEAT SINK			1	
F07-0864-03	N*	HEAT SINK COVER			1	
F09-0410-04	N*	FAN			1	
F19-0644-04	N*	SHIELDING MESH			1	
F20-0078-05		INSULATING PLATE			6	
F29-0014-05		INSULATING WASHER :TRANSISTOR			10	
G02-0549-04		SPRING	MOTOR		1	
J21-4167-14	N*	HARDWARE FIXTURE			1	
J21-4168-14	N*	HARDWARE FIXTURE			1	
L19-0337-05		TRANSFORMER			1	T 2
L19-0338-05		TRANSFORMER			1	T 3
L19-0339-05		TRANSFORMER B			1	T 4
L19-0340-05		TRANSFORMER A			1	T 1
L33-0025-05		CHOKE COIL	1	UH	2	L 4, 5
L33-0032-05		CHOKE COIL	3	UH	1	L 2
L33-0617-05		RFC COIL			4	L 3, 7, 8, 9
L33-0644-05		CHOKE COIL	2.2	UH	1	L 17
L33-0651-05		CHOKE COIL			2	L 14, 15
L33-0653-05		CHOKE COIL			1	L 16
L33-0655-05		CHOKE COIL			1	L 13
L40-1011-04		INDUCTOR	100	UH	1	L 10
L40-1511-03		INDUCTOR	150	UH	4	L 6, 11, 12, 18
MC1723CL		AVR IC			1	IC 1
MRF422		TR			2	Q 4, 5
MRF485		TR			2	Q 2, 3
N09-0623-04		SEMS SCREW	M3X8		4	
N09-0643-04		SCREW SEMUSE			1	
N09-0658-04		SCREW	M2.6X3	MOTOR	2	
N35-3006-46		BIND SCREW,CASE(BOTTOM)			5	
N35-3008-46		BIND SCREW	M3X8		5	

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
N87-3006-46		TAPPING SCREW,FOOT			4	
N89-3006-45		BIND TAPPING SCREW	M3X6		10	
N89-3006-46		BIND TAPPING SCREW	M3X6		3	
RS14AB3A220J		METAL FILM	22	OHM 1W	2	R 9, 10
RS14AB3D330J		METAL FILM	33	OHM 2W	1	R 35
R12-0072-05		SEMI FIXED	470	OHM	1	VR 1
R12-1406-05		TRIM.POT.	1K	OHM	1	VR 2
R92-0041-25		FIXED RESISTOR	.47	OHM 1W	1	R 21
SDT1000F		THERMISTER	10K	OHM	1	TH 1
STV-3H(O,Y)		VARISTOR			2	D 2, 4
T42-0302-05		DC MOTOR	FAN		1	M 4
1N4448		DIODE			1	D 3
1S1555		DIODE				D 3
2SC1959(Y)		TR			1	Q 9
2SC2075		TR			1	Q 1
2SC496(Y)		TR			2	Q 6, 8
2SD880(Y)		TR			1	Q 7

DC-DC UNIT (X46-1030-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
CE04W1H010M		ELECTRO	1	50V	1	C 2
CE04W1H100M		ELECTRO	10	50V	2	C 6, 7
CE04W1H220M		ELECTRO	22	50V	2	C 4, 5
C90-2005-05		ELECTRO	1000	25V	1	C 1
C90-2016-05	N	ELECTRO	47	25V	1	C 10
C91-0117-05		CERAMIC	0.01	50V	1	C 9
DTC124ES		DIGITAL TR	NPN		1	Q 3
E40-0273-05		MINI CONNECTOR	2P		1	
E40-0373-05		MINI CONNECTOR	3P		1	
E40-0573-05		MINI CONNECTOR	5P		1	
J31-0502-04	*	COLLAR	PC BOAD		2	
J42-0428-05	*	BUSHING	PC BOAD		2	
L19-0336-05		TRANSFORMER			1	T 1
L40-1011-12		INDUCTOR	100 UH		1	L 1
MTZ12JC		ZENER DIODE	12 V		1	D 6
MTZ9.1JC		ZENER DIODE	9.1V		1	D 5
RC05GF2H2R2J		RES. SOLID	2.2 OHM	1/2W	1	R 8
1N4448		DIODE			4	D 1, 2, 3, 4
2SC2274K(E)		TR			2	Q 1, 2

IF UNIT (X48-1430-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
BA718		DUAL OP-AMP			2	IC 1, 2
CC45CH1H0R5C		CERAMIC	0.5P	50V	2	C 15,265
CC45CH1H010C		CERAMIC	1P	50V	1	C 282
CC45CH1H020C		CERAMIC	2P	50V	2	C 23,278
CC45CH1H100D		CERAMIC	10P	50V	3	C 1,178,256
CC45CH1H330J		CERAMIC	33P	50V	2	C 7, 22
CC45RH1H010C		CERAMIC	1P	50V	3	C 8, 9, 10
CC45RH1H121J		CERAMIC	120P	50V	1	C 165
CC45RH1H241J		CERAMIC	240P	50V	1	C 163
CC45SL1H101J		CERAMIC	100P	50V	8	C 3, 4, 26,131,181,187,189,224
CC45SL1H121J		CERAMIC	120P	50V	2	C 118,211
CC45SL1H151J		CERAMIC	150P	50V	2	C 91,220
CC45SL1H221J		CERAMIC	220P	50V	2	C 125,176
CC45SL1H391J		CERAMIC	390P	50V	1	C 113
CC45SL1H470J		CERAMIC	47P	50V	1	C 124
CC45SL1H560J		CERAMIC	56P	50V	1	C 11
CC45UJ1H101J		CERAMIC	100P	50V	1	C 185
CE04W1A470M		ELECTRO	47	10V	1	C 25
CE04W1C330M		ELECTRO	33	16V	17	C 21, 28, 97,105,137,138,145,150,153,190 194,196,207,208,227,232,275
CE04W1E220M		ELECTRO	22	25V	1	C 206
CE04W1HR47M		ELECTRO	0.47	50V	2	C 132,144
CE04W1HOR1M		ELECTRO	0.1	50V	3	C 123,126,128
CE04W1H010M		ELECTRO	1	50V	18	C 61, 63, 65, 68, 70, 72, 75,103,130,139 149,188,192,195,197,199,209,281
CE04W1H100M		ELECTRO	10	50V	8	C 140,141,142,151,191,198,201,202
CE04W1H4R7M		ELECTRO	4.7	50V	1	C 226
CQ09FS1H122J	N	POLYSTYRENE	1200P	50V	3	C 174,177,179
CQ09FS1H182J	N	POLYSTYRENE	1800P	50V	2	C 87, 88
CQ09FS1H392J	N	POLYSTYRENE	3900P	50V	2	C 112,162
CQ92M1H273K		MYLAR	0.027	50V	1	C 146
CQ92M1H392K		MYLAR	0.0039	50V	2	C 83,107
CQ92M1H473K		MYLAR	0.047	50V	1	C 147
CQ92M1H683K		MYLAR	0.068	50V	1	C 143
C05-0314-05		TRIMMER	100P		1	TC 1
C90-0495-05		FIXED ELECTRO	47	6.3V	1	C 402
C91-0117-05		CERAMIC	0.01	50V	28	C 2, 12, 13, 18, 20, 24, 27, 41, 48, 53 66, 78, 89,106,122,148,152,172,200,241 247,249,261,272,273,276,277,401
C91-0119-05		CERAMIC	0.047	25V	62	C 19, 43, 44, 45, 49, 55, 56, 57, 58, 60 62, 64, 67, 69, 71, 76, 77, 82, 84, 86 90, 93, 95, 96,101,104,109,111,114,116 117,119,134,156,159,160,164,166,167,168 169,171,173,175,182,183,184,186,213,214 215,217,221,223,228,229,230,231,236,238 238 239,280
C91-0457-05		CERAMIC	0.022	50V	22	C 16, 17, 40, 42, 59, 81, 94, 98,102,127 154,157,158,216,246,248,252,257,260,267 269,274
C91-0667-05		CERAMIC	0.0047	50V	2	C 14,204
C91-0671-05		CERAMIC	0.0068	50V	3	C 135,136,193
C91-1008-05		CERAMIC	0.022	50V	41	C 5, 6, 29, 30, 31, 32, 34, 35, 36, 37 39, 47, 51, 52, 54, 74, 79, 80, 85, 92

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
					180,212,219,235,237,240,242,243,244,250 251,253,254,258,259,262,263,264,266,270 271
DTA143EF	N	DIGITAL TR	PNP	14	Q 401,402,403,404,405,406,407,408,409,410 411,412,413,414
DTC114ES		DIGITAL TR	NPN	5	Q 3, 6, 18, 20, 38
E04-0154-05		RF COAX. CONNECTOR		3	
E29-0440-14		GND WAFER		2	
E40-0211-05		MINI CONNECTOR	2P	1	
E40-0273-05		MINI CONNECTOR	2P	7	
E40-0373-05		MINI CONNECTOR	3P	2	
E40-0473-05		MINI CONNECTOR	4P	9	
E40-0573-05		MINI CONNECTOR	5P	3	
E40-0611-05		MINI CONNECTOR	6P	1	
E40-0618-05		CONNECTOR	6P	1	
E40-0711-05		MINI CONNECTOR	7P	2	
E40-0718-05		CONNECTOR	7P	2	
E40-0811-05		MINI CONNECTOR	8P	1	
E40-0818-05		CONNECTOR	8P	1	
E40-0873-05		MINI CONNECTOR	8P	1	
E40-0973-05		MINI CONNECTOR	9P	2	
E40-5059-05	N	MINI CONNECTOR	5P	6	
J32-0761-04	*	STUD & BOSS (STICK TYPE)		6	
LT8001P		LED	RED	2	D 48, 51
L32-0650-15		OSCILLATING COIL		4	L 15, 18, 19, 20
L34-0536-05		TUNING COIL		5	L 1, 8, 37, 38, 41
L34-0781-05		TUNING COIL		5	L 2, 35, 40, 42, 43
L34-0942-05		TUNING COIL		2	L 9, 10
L34-0943-05		TUNING COIL		4	L 7, 11, 36, 44
L34-2114-15		TUNING COIL		1	L 46
L34-2117-15		TUNING COIL		1	L 45
L34-2121-05		TUNING COIL		1	L 13
L34-2124-05		TUNING COIL		7	L 12, 14, 29, 31, 32, 33, 34
L34-2125-15		TUNING COIL		3	L 23, 24, 25
L34-2127-15		TUNING COIL		1	L 16
L34-2128-15		TUNING COIL		1	L 17
L34-2247-05	N	TUNING COIL		4	L 3, 4, 5, 6
L40-1021-03		INDUCTOR	1 MH	3	L 26, 27, 28
L40-1211-03		INDUCTOR	120 UH	1	L 39
L40-1541-27		INDUCTOR	150 MH	2	L 21, 22
L40-4715-25		INDUCTOR	10 UH	1	L 30
L71-0222-05		MCF	YK-88S1	1	XF 2
L71-0254-05	N	MCF	45.05MHZ	1	XF 1
L72-0319-05		CERAMIC FILTER	CFW455HT	1	CF 2
L72-0333-05		CERAMIC FILTER	CFJ455K12	1	CF 1
L72-0350-05		CERAMIC FILTER	9285KHZ	1	CF 3
MC911		DIODE		2	D 102,103
MC921		DIODE		5	D 43, 60, 69, 76, 82
				5	63, 97,105,106,107
MC931		DIODE		5	D 46, 47, 74, 80,109
MTZ10J		ZENER DIODE	10 V	3	D 45, 66, 71
MTZ12JC		ZENER DIODE	12 V	1	D 112

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
MTZ3.9J		ZENER DIODE	3.9V	2	D 25, 37
MTZ4.3J		ZENER DIODE	4.3V	1	D 75
MTZ5.1J(A,B)		ZENER DIODE	5.1V	1	D 401
MTZ6.2JB		ZENER DIODE	6.2V	1	D 55
MTZ6.8J		ZENER DIODE	6.8V	1	D 2
MV203		VARISTOR		2	D 65, 90
ND487R1-3R		D.B.M		1	D 73
N30-3010-46		PAN HD SCREW	TR	6	
RN14BK2E271F		METAL FILM	270 OHM 1/4W	2	R 232,233
R12-0421-05		TRIM.POT.	100 OHM	1	VR 6
R12-1428-05		TRIM.POT.	1K OHM	1	VR 1
R12-1429-05		TRIM.POT.	500 OHM	2	VR 8, 10
R12-3443-05		TRIM.POT.	10K OHM	2	VR 3, 9
R12-3450-05		TRIM.POT.	20K OHM	1	VR 5
R12-4413-05		TRIM.POT.	50K OHM	3	VR 2, 4, 7
R90-0588-05	N	RESISTOR BLOCK	2.2KOHM X6	1	R 403
R90-0589-05	N	RESISTOR BLOCK	2.2KOHM X4	1	R 402
SN74LS145N		TTL IC: BCD	DECIMAL DECODER	1	IC 401
TA7140P		IC	MIC AMP	1	IC 3
TA7302P		IC	PROC AMP	1	IC 4
1N60		DIODE		4	D 39, 40, 41, 42
1SS133		DIODE		54	D 14, 15, 16, 17, 30, 31, 32, 33, 49, 50
					52, 53, 54, 56, 57, 58, 59, 61, 62, 64
				8	17, 50, 52, 54, 58, 59, 61, 64
					67, 68, 70, 81, 88, 89, 91, 92, 93, 94
					95, 96, 98, 99,100,101,104,108,110,111 402,403,404,405,406,407,408,409,410,411 412,413,414,415
1SV149A	N	VOLTAGE VARIABLE		2	D 38, 44
1S1587		DIODE		34	D 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 13, 18, 19, 20, 21, 22, 23, 24, 26, 27
					28, 29, 34, 35, 36, 72, 77, 78, 79, 83 84, 85, 86, 87
112-103-2		THERMISTER	10K OHM	4	TH 1, 2, 4, 6
112-501-2		THERMISTER	500 OHM	1	TH 5
112-503-2		THERMISTER	50K OHM	1	TH 3
2SA1048(Y)		TR		1	Q 25
				1	42
2SC1959(Y)		TR		1	Q 35
2SC2458(Y)		TR		8	Q 14, 15, 17, 19, 24, 31, 32, 39
				4	28, 40, 41, 47
2SC2459(BL)		TR	OR 2SC2240(GR)	3	Q 29, 30, 36
2SC2668(Y)		TR		1	Q 1
2SC2787(L)		TR		2	Q 9, 49
2SK125		FET		2	Q 4, 5
2SK192A(GR)		FET		2	Q 16, 33
2SK30A(GR)		FET		5	Q 21, 22, 23, 26, 27
3SK73(Y)		FET		16	Q 2, 7, 8, 10, 11, 12, 13, 34, 37, 43 44, 45, 46, 48, 50, 51

PLL UNIT (X50-2020-00)

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
BA718	N	DUAL OP-AMP			1	IC 18
CC45CH1H010C		CERAMIC	1P	50V	1	C 198
CC45CH1H020C		CERAMIC	2P	50V	1	C 84
					1	140
CC45CH1H030C		CERAMIC	3P	50V	1	C 13
					4	40, 59,139, 30
CC45CH1H050C		CERAMIC	5P	50V	2	C 6,150
CC45CH1H060D		CERAMIC	6P	50V	1	C 204
CC45CH1H070D		CERAMIC	7P	50V	1	C 104
CC45CH1H080D		CERAMIC	8P	50V	1	C 149
					1	156
CC45CH1H090D		CERAMIC	9P	50V	1	C 191
CC45CH1H100D		CERAMIC	10P	50V	6	C 7,132,141,153,155,203
					1	31
CC45CH1H120J		CERAMIC	12P	50V	1	C 39
					2	45,114
CC45CH1H150J		CERAMIC	15P	50V	2	C 10,151
CC45CH1H180J		CERAMIC	18P	50V	3	C 12, 14,154
					2	217,219
CC45CH1H220J		CERAMIC	22P	50V	4	C 2, 60,122,199
					4	125,127,136,200
CC45CH1H270J		CERAMIC	27P	50V	1	C 41
CC45CH1H330J		CERAMIC	33P	50V	2	C 17, 58
					3	134,144,218
CC45CH1H390J		CERAMIC	39P	50V	1	C 135
CC45SL1H101J		CERAMIC	100P	50V	5	C 4,123,176,178,179
					1	177
CC45SL1H121J		CERAMIC	120P	50V	2	C 157,158
CC45SL1H151J		CERAMIC	150P	50V	2	C 3,164
					1	100
CC45SL1H181J		CERAMIC	180P	50V	1	C 42
CC45SL1H271J		CERAMIC	270P	50V	1	C 103
CC45SL1H390J		CERAMIC	39P	50V	2	C 101,117
					1	113
CC45SL1H560J		CERAMIC	56P	50V	2	C 190,192
CC45SL1H680J		CERAMIC	68P	50V	1	C 126
CC45SL1H820J		CERAMIC	82P	50V	1	C 115
CC45UJ1H020C		CERAMIC	2P	50V	1	C 64
					1	107
CC45UJ1H030C		CERAMIC	3P	50V	4	C 68, 85, 88,108
CC45UJ1H040C		CERAMIC	4P	50V	1	C 63
CC45UJ1H050C		CERAMIC	5P	50V	1	C 65
CC45UJ1H150J		CERAMIC	15P	50V	1	C 86
CC45UJ1H390J		CERAMIC	39P	50V	1	C 66
CE04W1A470M		ELECTRO	47	10V	8	C 20, 21, 27, 95, 97,111,170,172
CE04W1C330M		ELECTRO	33	16V	7	C 49, 71, 82, 93,143,201,208
CE04W1H0R1M		ELECTRO	0.1	50V	1	C 22
CQ92M1H123K		MYLAR	0.012	50V	1	C 73
CQ92M1H223K		MYLAR	0.022	50V	1	C 90
CS15E1E010M		TANTALUM	1	25V	1	C 209
CS15E1VR22M		TANTALUM	0.22	35V	2	C 184,185
CS15E1VR33M		TANTALUM	0.33	35V	2	C 186,187
CS15E1VR47M		TANTALUM	0.47	35V	1	C 206
C05-0044-05		TRIM. CAP.	30P		1	TC 1
C91-0084-05		CERAMIC	0.0047	50V	1	C 215

PARTS NO.	NOTE	NAME & DESCRIPTION			QTY	REFERENCE NO.
C91-0117-05		CERAMIC	0.01	50V	30	C 5, 9, 16, 33, 34, 50, 76, 79, 81, 91
						94, 98,102,110,128,130,131,133,145,146
					6	106,124,129,147,159,214
					2	148,162,167,173,180,181,182,183,205,211
C91-0119-05		CERAMIC	0.047	25V	5	C 1, 29, 32,188,189
					1	169
C91-0457-05		CERAMIC	0.022	50V	1	C 77
					1	212
C91-0667-05		CERAMIC	0.0047	50V	9	C 23, 67, 70, 74,137,165,194,195,202
					3	62, 69,138
C91-1008-05		CERAMIC	0.022	50V	19	C 8, 18, 26, 28, 37, 46, 47, 48, 53, 54
						55, 56, 80,118,119,120,121,160,168
					5	15, 44,105,174,210
DTA124ES		DIGITAL TR	PNP		1	Q 32
DTC124ES		DIGITAL TR	NPN		2	Q 30, 31
E29-0434-05		CONNECTOR & TERM			1	
E40-0273-05		MINI CONNECTOR	2P		2	
E40-0373-05		MINI CONNECTOR	3P		1	
E40-0473-05		MINI CONNECTOR	4P		2	
E40-0573-05		MINI CONNECTOR	5P		2	
E40-0673-05		MINI CONNECTOR	6P		1	
E40-0873-05		MINI CONNECTOR	8P		1	
HD10551	N	DIVIDER IC 1/10	,11,20,22,40,44		2	IC 5, 11
J31-0502-04	*	COLLAR	PC BOAD		8	
J42-0428-05	*	BUSHING	PC BOAD		8	
L32-0675-05	N	OSCILLATING COIL	38MHZ		1	L 7
L32-0676-05	N	OSCILLATING COIL	105MHZ		1	L 10
L32-0677-05	N	OSCILLATING COIL	36MHZ		1	L 34
L34-0692-05		COIL	5 4T		1	L 39
L34-0749-05		TUNING COIL			2	L 17, 18
L34-0859-05		TUNING COIL			3	L 25, 26, 27
L34-1124-05	N	COIL	5 6.5T		1	L 30
L34-2026-05		TUNING COIL			2	L 20, 21
L34-2116-15		TUNING COIL			2	L 5, 6
L34-2249-05	N	TUNING COIL			3	L 22, 23, 24
L40-1001-03		INDUCTOR	10 UH		6	L 4, 11, 14, 31, 32, 33
L40-1001-12		INDUTOR	10 UH		3	L 36, 37, 38
L40-1011-03		INDUCTOR	100 UH		1	L 12
L40-1011-12		INDUCTOR	100 UH		1	L 29
L40-1092-02		INDUCTOR	1 UH		1	L 9
L40-1211-03		INDUCTOR	120 UH		1	L 13
L40-2205-25		INDUCTOR	22 UH		2	L 8, 35
L40-2701-03		INDUCTOR	27 UH		1	L 15
L40-2791-02		INDUCTOR	2.7 UH		1	L 28
L40-3301-03		INDUCTOR	33 UH		1	L 16
L40-3382-01		INDUCTOR	0.33UH		1	L 19
L40-4711-03		INDUCTOR	470 UH		1	L 2
L40-8291-02		INDUCTOR	8.2 UH		2	L 1, 3
L72-0349-05	N	CERAMIC FILTER	SFJ10.7MA-D		1	CF 1
L77-0963-05		CRYSTAL	20MHZ		1	X 1
MC145158P	N	PLL IC			1	IC 17

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
MC14569BCP		C.MOS IC PROG' DIVIDER	1	IC 4
MC921		DIODE	1	D 5
MN6147		PLL IC OR MN6147C	3	IC 8, 9, 19
MN6147C		PLL IC		IC 8, 9, 19
MTZ12J		ZENER DIODE 12 V	2	D 1, 14
MTZ5.1JA/B		ZENER DIODE 5.1V	1	D 12
MV-203		VARISTOR	3	D 20, 21, 22
M54459L		IC: DIVIDER 1/20 OR 1/100	1	IC 10
R90-0581-05	N	DIODE BLOCK 1S1555 X5	1	D 19
R90-0582-05	N	DIODE BLOCK 1S1555 X5	1	D 18
R90-0583-05	N	DIODE BLOCK 1S1555 X3	1	D 17
R90-0584-05	N	CAP. BLOCK 100P X7	1	C 213
R90-0591-05	N	RESISTOR BLOCK 4.7KOHM X5	1	R 34
SN16913P		D.B.M IC	5	IC 6, 7, 12, 13, 14
SN74LS73AN		TTL IC JK FLIP-FLOP X2	1	IC 1
SN74LS90N		TTL IC COUNTER	2	IC 2, 3
SN74S10N		TTL IC 3-INPUT NAND X3	1	IC 15
SN74S112N		TTL IC JK FLIP-FLOP X2	1	IC 16
1SS133		DIODE	4	D 2, 3, 13, 16
			3	4, 8, 9
1SV123		VOLTAGE VARIABLE	5	D 6, 7, 10, 11, 15
2SA1115(E)		TR	1	Q 5
2SC1907		TR	2	Q 20, 24
2SC2459(BL)		TR OR 2SC2240(GR)	2	Q 28, 29
2SC2668(Y)		TR	15	Q 1, 6, 7, 10, 11, 12, 15, 17, 18, 19 21, 22, 23, 25, 26
2SC2787(L)		TR	4	Q 2, 3, 4, 16
2SC3113(B)		TR	4	Q 8, 9, 13, 14
2SK192A(GR)*J		FET	1	Q 27

FILTER UNIT (X51-1330-00)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CC45CH1H220J		CERAMIC 22P 50V	1	C 55
CC45CH1H470J		CERAMIC 47P 50V	1	C 54
CC45SL2H030C		CERAMIC 3P 500V	1	C 76
CC45SL2H050C		CERAMIC 5P 500V	1	C 23
CC45SL2H070D		CERAMIC 7P 500V	1	C 24
CC45SL2H101J		CERAMIC 100P 500V	6	C 11, 22, 30, 33, 38, 39
CC45SL2H120J		CERAMIC 12P 500V	1	C 27
CC45SL2H121J		CERAMIC 120P 500V	1	C 32
CC45SL2H150J		CERAMIC 15P 500V	2	C 28, 42
CC45SL2H151J		CERAMIC 150P 500V	4	C 10, 35, 37, 41
CC45SL2H181J		CERAMIC 180P 500V	2	C 31, 40
CC45SL2H220J		CERAMIC 22P 500V	4	C 8, 9, 74, 75
CC45SL2H221J		CERAMIC 220P 500V	5	C 14, 16, 25, 36, 46
CC45SL2H330J		CERAMIC 33P 500V	1	C 12
CC45SL2H331J		CERAMIC 330P 500V	3	C 2, 13, 49
CC45SL2H390J		CERAMIC 39P 500V	2	C 21, 48
CC45SL2H391J		CERAMIC 390P 500V	3	C 4, 34, 50
CC45SL2H470J		CERAMIC 47P 500V	4	C 15, 26, 43, 44
CC45SL2H471J		CERAMIC 470P 500V	3	C 18, 19, 53
CC45SL2H560J		CERAMIC 56P 500V	2	C 29, 52
CC45SL2H680J		CERAMIC 68P 500V	4	C 6, 45, 47, 51
CC45SL2H681J		CERAMIC 680P 500V	1	C 17
CC45SL2H820J		CERAMIC 82P 500V	2	C 7, 20
CE04W1H010M		ELECTRO 1 50V	1	C 63
CE04W1H100M		ELECTRO 10 50V	1	C 64
CM93D2H152J		MICA 1500P 500V	2	C 1, 5
CM93D2H222J		MICA 2200P 500V	1	C 3
C91-0119-05		CERAMIC 0.047 50V	5	C 58, 59, 60
DTC124ES		DIGITAL TR NPN	5	Q 1, 2, 3, 5, 9
E04-0154-05		RF COAX. CONNECTOR	1	
E04-0157-05		RF COAX. CABLE RECEPTACLE	1	
E40-0273-05		MINI CONNECTOR 2P	2	
E40-0373-05		MINI CONNECTOR 3P	2	
E40-0473-05		MINI CONNECTOR 4P	2	
F11-0891-02	N*	SHIELDING CASE	1	
J31-0502-04	*	COLLAR PC BOAD	8	
J42-0428-05	*	BUSHING PC BOAD	8	
L34-3038-05		FILTER COIL A 1.5- 2.5 MHZ	1	L 2
L34-3039-05		FILTER COIL B 1.5- 2.5 MHZ	1	L 1
L34-3041-05		FILTER COIL D 2.5- 4.5 MHZ	1	L 6
L34-3043-05		FILTER COIL F 4.5- 7.5 MHZ	1	L 14
L34-3051-15		FILTER COIL N 22 - 30 MHZ	1	L 4
L34-3124-05	N	FILTER COIL P 2.5- 4.5 MHZ	1	L 5
L34-3125-05	N	FILTER COIL Q 4.5-7.5/7.5-10	2	L 10, 13
L34-3126-05	N	FILTER COIL R 7.5-10.5 MHZ	1	L 9
L34-3127-05	N	FILTER COIL S 22 - 30 MHZ	1	L 3
L34-3128-05	N	FILTER COIL T 10.5-15.5 MHZ	1	L 11
L34-3129-05	N	FILTER COIL U 10.5-15.5 MHZ	1	L 12
L34-3130-05	N	FILTER COIL V 15.5-22.0 MHZ	2	L 7, 8
L39-0419-05		DETECTOR COIL	1	L 15
L39-0420-05	N	DETECTOR COIL C	1	L 16

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
L40-1011-12		INDUCTOR 100 UH	8	L 21, 22, 23, 24, 25, 26, 27, 28
L40-1021-03		INDUCTOR 1 MH	2	L 19, 20
L40-4791-02		INDUCTOR 4.7 UH	2	L 17, 18
MTZ12J		ZENER DIODE 12 V	1	D 10
MTZ16JC		ZENER DIODE 16 V		D 3, 4, 5
MTZ18JA		ZENER DIODE 18 V	3	D 3, 4, 5
MTZ18JC		ZENER DIODE 18 V	1	D 16
MTZ20JC		ZENER DIODE 20 V	1	D 8
MTZ24JD		ZENER DIODE 24 V	1	D 7
MTZ3.9JB		ZENER DIODE 3.9V	1	D 13
MTZ5.1JA		ZENER DIODE 5.1V	1	D 11
MTZ5.6J		ZENER DIODE 5.6V	1	D 6
M54561P		IC INVERTER X7	1	IC 3
NJM2904D		LINER IC DUAL	1	IC 1
N87-3012-46		TAPPING SCREW FINAL UNIT	8	
R90-0510-05		RESISTOR BLOCK 4.7KOHM X8	1	RB 2
R90-0560-05		CAP.BLOCK 0.022 X5	1	IB 1
R90-0575-05		RESISTOR BLOCK 10K OHM X3	1	RB 1
SN74LS145N		TTL IC: BCD DECIMAL DECODER	1	IC 2
SV03YS		VARISTOR	1	D 12
S51-1424-05	N	RELAY DS-1 24V	14	RL 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 11, 12, 13, 14
1N4448		DIODE	7	D 17, 18, 19, 20, 21, 22, 23
1SS133		DIODE	4	D 9, 14, 15, 24
1S1007		DIODE	2	D 1, 2
1S1555		DIODE		D 17, 18, 19, 20, 21, 22, 23
2SA1015(Y)		TR	1	Q 8
2SA1048(Y)		TR	1	Q 6
2SC1959(Y)		TR	2	Q 4, 7

CONTROL UNIT (X53-1420-11)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CC45SL1H050C		CERAMIC 5P 50V	1	C 65
CC45SL1H100D		CERAMIC 10P 50V	1	C 66
CC45SL1H101J		CERAMIC 100P 50V	3	C 127,156,185
CC45SL1H120J		CERAMIC 12P 50V	2	C 107,108
CC45SL1H221J		CERAMIC 220P 50V	1	C 164
CC45SL1H330J		CERAMIC 33P 50V	2	C 126,130
CC45SL1H331J		CERAMIC 330P 50V	2	C 69, 72
CC45SL1H470J		CERAMIC 47P 50V	2	C 55,132
CE04W1A470M		ELECTRO 47 10V	1	C 89
CE04W1C100M		ELECTRO 10 16V	5	C 91,105,134,142,160
CE04W1C102M		ELECTRO 1000 16V	1	C 111
CE04W1C220M		ELECTRO 22 16V	6	C 4, 8, 30, 48, 50, 60
CE04W1C221M		ELECTRO 220 16V	1	C 157
CE04W1C330M		ELECTRO 33 16V	7	C 90, 97,129,136,153,155,159
CE04W1C470M		ELECTRO 47 16V	5	C 92,109,112,168,178
CE04W1E100M		ELECTRO 10 25V	3	C 2, 31,149
CE04W1E470M		ELECTRO 47 25V	4	C 175,176,177,179
CE04W1HR33M		ELECTRO 0.33 50V	1	C 180
CE04W1HR47M		ELECTRO 0.47 50V	7	C 11, 12, 17, 62, 77,145,158
CE04W1HOR1M		ELECTRO 0.1 50V	3	C 78, 96,172
CE04W1H010M		ELECTRO 1 50V	11	C 1, 3, 32, 33, 63,135,140,141,146,161 171
CE04W1H3R3M		ELECTRO 3.3 50V	1	C 9
CE04W1H470M		ELECTRO 47 50V	1	C 49
CK45B1H152K		CERAMIC 1500P 50V	1	C 133
CQ92M1H102K		MYLAR 0.001 50V	2	C 104,124
CQ92M1H103K		MYLAR 0.01 50V	5	C 13, 15, 76, 84, 85
CQ92M1H104K		MYLAR 0.1 50V	1	C 110
CQ92M1H152K		MYLAR 0.0015 50V	2	C 138,139
CQ92M1H153K		MYLAR 0.015 50V	1	C 127
CQ92M1H182K		MYLAR 0.0018 50V	2	C 128,162
CQ92M1H222K		MYLAR 0.0022 50V	1	C 137
CQ92M1H223K		MYLAR 0.022 50V	3	C 14, 23, 88
CQ92M1H333K		MYLAR 0.033 50V	2	C 98,152
CQ92M1H392K		MYLAR 0.0039 50V	3	C 100,101,102
CQ92M1H472K		MYLAR 0.0047 50V	6	C 86,125,131,148,163,166
CQ92M1H473K		MYLAR 0.047 50V	6	C 24, 25, 29, 87, 99,103
CQ92M1H562K		MYLAR 0.0056 50V	2	C 45,151
CQ92M1H683K		MYLAR 0.068 50V	1	C 167
C90-0478-05		ELECTRO 10 16V	1	C 165
C90-0506-05		ELECTRO 0.22 50V	1	C 26
C90-0825-05		ELECTRO 22 16V	3	C 75,147,154
C91-0117-05		CERAMIC 0.01 50V	10	C 5, 7, 10, 16, 28, 35, 73, 95,113,174
C91-0119-05		CERAMIC 0.047 25V	16	C 21, 38, 39, 40, 43, 44, 74,144 22, 58, 64, 67,118,122,148,173
C91-0457-05		CERAMIC 0.022 50V	2	C 53, 54
C91-1008-05		CERAMIC 0.022 50V	18	C 19, 37, 42, 47, 57, 70, 81, 82, 83, 94 114,115,116,117,119,120,121,170
DTA143XS	N	DIGITAL TR PNP	3	Q 22, 51, 54
DTC124ES		DIGITAL TR NPN	8	Q 39, 48, 49, 50, 56, 60, 61, 68
DTC144WS	N N	DIGITAL TR NPN	4	Q 30, 31 40, 52
E23-0512-05		TERMINAL 1P	1	
E40-0273-05		MINI CONNECTOR 2P	22	

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
E40-0373-05		MINI CONNECTOR 3P	5	
E40-0473-05		MINI CONNECTOR 4P	8	
E40-0573-05		MINI CONNECTOR 5P	4	
E40-0673-05		MINI CONNECTOR 6P	3	
E40-0873-05		MINI CONNECTOR 8P	1	
G53-0511-04		PACKING LED	1	
HA1368		IC AF PA	1	IC 15
LT8001P		LED RED	2	D 49, 63
L30-0199-05		IFT 455 KHZ	1	L 10
L30-0503-05		IFT 455 KHZ	1	L 11
L34-0535-05		TUNING COIL 8.83MHZ	1	L 2
L34-0536-05		TUNING COIL	1	L 3
L40-1011-13		INDUCTOR 100 UH	1	L 6
L40-1021-03		INDUCTOR 1 MH	1	L 8
L40-3325-04		INDUCTOR 3.3 MH	1	L 9
L40-3391-13		INDUCTOR 3.3 UH	1	L 7
L40-4711-13		INDUCTOR 470 UH	3	L 1, 4, 5
L72-0342-05		CERAMIC FILTER CFV455F	1	CF 1
L79-0446-05		CERAMIC DISCRI CFY455S	1	L 12
MB3614		LINEAR IC QUADRUPLE	1	IC 9
MC911		DIODE	2	D 35, 60
MC921		DIODE	2	D 41, 84
			1	45
MTZ10JC		ZENER DIODE 10 V	1	D 37
MTZ12J		ZENER DIODE 12 V	1	D 52
MTZ12JC		ZENER DIODE 12 V	1	D 20
MTZ20JC		ZENER DIODE 20 V	1	D 54
MTZ3.6JB		ZENER DIODE 3.6V	1	D 47
MTZ5.6JA		ZENER DIODE 5.6V	1	D 51
MTZ9.1J		ZENER DIODE 9.1V	1	D 25
MV-203		VARISTOR	1	D 42
NJM2903D		LINEAR IC DUAL	1	IC 10
NJM4558S		LINEAR IC DUAL	2	IC 13, 14
N10-2030-41		HEX.NUT	5	
N30-3008-41		PAN HD SCREW M3X8,IC	3	
N30-3010-41		PAN HD SCREW M3X10	2	
N87-2606-41		TAPPING SCREW M2.6X6	3	
N87-3006-41		TAPPING SCREW M3X6	2	
RN14BK2E1002F		METAL FILM 10K OHM 1/4W	1	R 113
RN14BK2E1802F		METAL FILM 18K OHM 1/4W	2	R 111,112
RN14BK2E9301F		METAL FILM 9.3KOHM 1/4W	1	R 100
RS14AB3A911J		METAL FILM 910 OHM 1W	1	R 52
R12-1428-05		TRIM.POT. 1K OHM	1	VR 14
R12-1429-05		TRIM.POT. 500 OHM	1	VR 10
R12-3443-05		TRIM.POT. 10K OHM	5	VR 1, 3, 8, 16, 19
R12-3450-05		TRIM.POT. 20K OHM	1	VR 4
R12-4413-05		TRIM.POT. 50K OHM	7	VR 2, 5, 6, 12, 13, 15, 18
R12-5420-05		TRIM.POT. 100KOHM	2	VR 7, 9
R12-7408-05		TRIM.POT. 500KOHM	2	VR 11, 17
SV03YS		VARISTOR	1	D 57

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
S51-1404-05		RELAY G2E DC12V	1	RL 2
S51-2416-05	N	RELAY DS-2 DC24V	1	RL 1
TA78L008AP		AVR IC 8 V	1	IC 17
TC4001BP		C.MOS IC	1	IC 1
TC4011BP		C.MOS IC 2-INPUT NAND X4	2	IC 2, 5
TC40498P		C.MOS IC BUFFER X6	1	IC 3
TC4073BP		C.MOS IC 3-INPUT AND X3	1	IC 4
UA7818UC		AVR IC 18V	1	IC 8
UPC1037H		IC D.B.M	1	IC 16
UPC577H		IC RF/IF AMP.	2	IC 11, 12
UPC7815H		AVR IC 15V	2	IC 6, 7
1N60		DIODE	7	D 61, 62, 64, 65, 78, 82, 83
1SS133		DIODE	63	D 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
				11, 12, 13, 14, 15, 16, 17, 18, 19, 21
				22, 23, 24, 26, 27, 28, 29, 30, 31, 32
				33, 34, 36, 39, 40, 43, 44, 46, 50, 53
				56, 58, 59, 66, 67, 68, 69, 70, 72, 73
				74, 75, 76, 77, 79, 80, 81, 86, 88, 89
				90, 91, 92
1SS99		DIODE	1	D 55
1S1587		DIODE	2	D 71, 94
2SA1048(Y)		TR	5	Q 4, 59
				23, 25, 27
2SA984K(E)		TR	2	Q 28, 29
2SC2458(Y)		TR	7	Q 2, 6, 9, 10, 24, 37, 38
			20	3, 5, 7, 8, 11, 17, 18, 19, 20, 21
				26, 32, 34, 35, 36, 41, 42, 46, 47, 63
2SC2459(BL)		TR DR 2SC2240(GR)	1	Q 1
			3	62, 64, 65
2SC2787(L)		TR	6	Q 13, 15, 16, 45, 58
				14
2SK192A(GR)*J		FET	2	Q 12, 57
2SK30A(O)		FET	3	Q 33, 43, 44

RIT ENCODER UNIT (X54-1690-01)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CE04W0J101M		ELECTRO 100 6.3V	1	C 1
LM358P		LINEAR IC DUAL	1	IC 1
N32-2606-46		FLAT HD SCREW M2.6X6	2	
ON1110		PHOTO TR	2	HIT 1, 2
R12-2409-05		TRIM. POT. 5K OHM	2	VR 1, 2

DIGITAL A UNIT (X54-1830-00)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CC45SL1H270J		CERAMIC 27P 50V	2	C 5, 6
CE04W1A221M		ELECTRO 220 10V	1	C 12
CE04W1H010M		ELECTRO 1 50V	1	C 3
CQ92M1H104K		MYLAR 0.1 50V	1	C 7
CS15E1A100M		TANTALUM 10 10V	1	C 10
C90-2001-05		ELECTRO 470 16V	1	C 1
C91-0119-05		CERAMIC 0.047 50V	6	C 8, 9, 14, 15, 16, 30
C91-0757-05		CERAMIC 0.001 50V	2	C 17, 18
C91-0761-05		CERAMIC 0.0022 50V	1	C 20
C91-0769-05		CERAMIC 0.01 50V	11	C 11, 13, 21, 22, 23, 24, 25, 26, 27, 28, 29
C91-1008-05		CERAMIC 0.022 50V	1	C 19
DTA114ES		DIGITAL TR PNP	1	Q 8
			2	9, 10
DTA124ES		DIGITAL TR PNP	1	Q 7
E02-0122-05		IC SOCKET 24P	1	
E02-0123-05	N	IC SOCKET 28P	1	
E23-0437-05		TERMINAL (INSIDE	1	
E23-0512-05		TERMINAL 1P	1	
E40-0273-05		MINI CONNECTOR 2P	3	
E40-0373-05		MINI CONNECTOR 3P	4	
E40-0673-05		MINI CONNECTOR 6P	3	
E40-0773-05		MINI CONNECTOR 7P	1	
E40-0873-05		MINI CONNECTOR 8P	1	
E40-0973-05		MINI CONNECTOR 9P	1	
E40-1073-05		MINI CONNECTOR 10P	2	
E40-1173-05		MINI CONNECTOR 11P	1	
E40-1273-05		PIN ASS'Y 12P	1	
HD74LS138P		TTL IC: 3 TO 8 DEMULTIPLEXER	1	IC 7
HD74LS245P		TTL IC 3STATES BUS X8	1	IC 10
HD74LS245WP		TTL IC 3STATES BUS X8	1	IC 10
J31-0502-04	*	COLLAR PC BOAD	6	
J31-0503-05		BEADS	8	
J32-0767-04		STUD & BOSS (STICK TYPE)	2	
J42-0428-05	*	BUSHING PC BOAD	6	
LH0080A		MICRO-PROCESSOR	1	IC 1
L78-0011-05	N	CERAMIC RESONATOR 2.45MHZ	1	X 1
MBM2764-30T2	N	N.MOS IC EP.ROM (8KX8)	1	IC 2
MB8416-20LP-GRA		C.MOS IC SR.RAM (2K X8)	1	IC 3
M5L8255AP-5		IC:PROGRAMABLE EXPANDER I/O	3	IC 4, 5, 6
M74LS32P		TTL IC 2-INPUT OR X4	2	IC 13, 14
N10-2026-46		HEX.NUT	2	
PST518A		SYSTEM RESET IC (VS=4.0-4.4V)	1	IC 21
R90-0188-05		CAP. BLOCK 0.01UF X4	1	IB 9
R90-0241-05	N	CAP. BLOCK 0.01UF X6	1	IB 1
R90-0510-05		RESISTOR BLOCK 4.7KOHM X8	1	RB 2
R90-0533-05		RESISTOR BLOCK 10K OHM X10	1	RB 1

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
R90-0545-05		CAP. BLOCK 0.001 X4	1	IB 10
R90-0552-05		CAP. BLOCK 0.01UF X8	4	IB 2, 3, 5, 6
R90-0586-05	N	CAP. BLOCK 0.01UF X10	1	IB 4
SN74LS138N		TTL IC: 3 TO 8 DEMULTIPLEXER	1	IC 7
SN74LS139N		TTL IC 2 TO 4 DEMULTIPLEX* X2	1	IC 8
SN74LS175N		TTL IC D FLIP-FLOP X4	1	IC 19
SN74LS245N		TTL IC 3STATES BUS X8	1	IC 10
SN74LS32N		TTL IC 2-INPUT OR X4	2	IC 13, 14
SN74LS374N		TTL IC: 3STATES D FLIP-FLOP X8	1	IC 18
TA57		TR. ARRAY NPN X5	2	IC 16, 17
TC40H004P	N	C.MOS IC INVERTER X6	1	IC 15
TC40118P		C.MOS IC 2-INPUT NAND X4	2	IC 11, 12
TC4040BP		C.MOS IC:12STG BINARY COUNTER	1	IC 9
TMP8255AP-5		IC:PROGRAMABLE EXPANDER I/O	3	IC 4, 5, 6
UPD7800C-1		MICRO-PROCESSOR	1	IC 1
UPD8255AC-5		IC:PROGRAMABLE EXPANDER I/O	3	IC 4, 5, 6
1SS133		DIODE	1	D 1
			2	3, 4
2SA1049(GR)		TR	3	Q 4, 5, 6
2SC1959(Y)		TR	1	Q 3

DIGITAL B UNIT (X54-1840-00)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CC45CH1H030C		CERAMIC 3P 50V	1	C 22
			1	43
CC45CH1H100D		CERAMIC 10P 50V	2	C 5, 26
			1	53
CC45CH1H220J		CERAMIC 22P 50V	1	C 89
CC45CH1H330J		CERAMIC 33P 50V	3	C 10, 19, 30
			1	40
CC45RH1H030C		CERAMIC 3P 50V	1	C 92
CC45RH1H050C		CERAMIC 5P 50V	1	C 93
CC45SL1H121J		CERAMIC 120P 50V	1	C 74
CC45SL1H151J		CERAMIC 150P 50V	2	C 8, 27
CC45SL1H331J		CERAMIC 330P 50V	2	C 7, 28
CC45SL1H390J		CERAMIC 39P 50V	1	C 76
CC45SL1H560J		CERAMIC 56P 50V	1	C 52
CC45UJ1H030C		CERAMIC 3P 50V	3	C 17, 38, 44
CC45UJ1H050C		CERAMIC 5P 50V	1	C 23
CC45UJ1H220J		CERAMIC 22P 50V	1	C 41
CC45UJ1H330J		CERAMIC 33P 50V	1	C 20
CE04W1A101M		ELECTRO 100 10V	2	C 111,113
CE04W1A470M		ELECTRO 47 10V	2	C 47, 72
CE04W1C330M		ELECTRO 33 16V	2	C 16, 37
CQ92M1H393K		MYLAR 0.039 50V	1	C 35
CQ92M1H473K		MYLAR 0.047 50V	1	C 14
C05-0044-05		TRIM. CAP 30P	3	TC 1, 2, 3
C91-0117-05		CERAMIC 0.01 50V	10	C 1, 2, 3, 4, 9, 13, 32, 34, 70, 80
			5	11, 51, 78, 90, 91
C91-0119-05		CERAMIC 0.047 25V	3	C 79,101,112
			1	106
C91-0457-05		CERAMIC 0.022 50V	4	C 31, 55, 67, 69
			2	48, 77
C91-0667-05		CERAMIC 0.0047 50V	2	C 15, 36
			5	18, 21, 39, 42, 49
C91-0757-05		CERAMIC 0.001 50V	1	C 102
			7	103,104,105,107,108,109,110
C91-1008-05		CERAMIC 0.022 50V	12	C 6, 12, 29, 33, 56, 66, 71, 82, 83, 84
			4	85, 87
				57, 58, 60, 63
DTC114ES		DIGITAL TR NPN	1	Q 105
DTC124ES		DIGITAL TR NPN	2	Q 104,107
DTC144WS		DIGITAL TR NPN	2	Q 103,106
E40-0273-05		MINI CONNECTOR 2P	1	
E40-0373-05		MINI CONNECTOR 3P	1	
E40-0473-05		MINI CONNECTOR 4P	5	
E40-0573-05		MINI CONNECTOR 5P	2	
E40-0873-05		MINI CONNECTOR 8P	1	
E40-0973-05		MINI CONNECTOR 9P	1	
E40-1073-05		MINI CONNECTOR 10P	1	
E40-1174-05		MINI CONNECTOR 11P L TYPE	1	
E40-1274-05		MINI CONNECTOR 12P L TYPE	1	
E40-1373-05		MINI CONNECTOR 13P	1	
E40-3007-05		MINI CONNECTOR 2P	1	
J31-0502-04	*	COLLAR PC BOAD	5	
J42-0428-05	*	BUSHING PC BOAD	5	

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
LC7800		IC:4 TO 1 DATA SELECTOR X4	3	IC 109,110,111
L30-0516-05		IFT	1	L 15
L32-0678-05	N	OSCILLATING COIL 45.5MHZ	1	L 6
L32-0679-05	N	OSCILLATING COIL 71.5MHZ	1	L 10
L33-0684-05	N	CHOKE COIL 33 UH	2	L 4, 8
L34-0536-05		TUNING COIL	1	L 14
L34-0683-05		TUNING COIL	2	L 19, 20
L40-1001-12		INDUTOR 10 UH	1	L 21
L40-1011-03		INDUCTOR 100 UH	2	L 102,103
L40-1011-13		INDUCTOR 100 UH	1	L 101
L40-1211-03		INDUCTOR 120 UH	4	L 1, 2, 3, 18
L40-1511-03		INDUCTOR 150 UH	1	L 12
L40-1592-02		INDUCTOR 1.5 UH	1	L 11
L40-1811-03		INDUCTOR 180 UH	1	L 13
L40-2201-03		INDUCTOR 22 UH	1	L 9
L40-2215-25		INDUCTOR 10 UH	1	L 16
L40-2715-25		INDUCTOR 10 UH	1	L 17
L40-4701-03		INDUCTOR 47 UH	1	L 5
L40-5691-02		INDUCTOR 5.6 UH	1	L 7
L72-0350-05	N	CERAMIC FILTER 9285KHZ	1	CF 1
L72-0351-05	N	CERAMIC FILTER 8.83MHZ	1	CF 2
L77-1271-05	N	CRYSTAL 9MHZ	2	X 1, 2
MC74HC157N		IC:2 TO 1 DATA SELECTOR X4	1	IC 112
MN6147		PLL IC OR MN6147C	2	IC 1, 2
MN6147C		PLL IC		IC 1, 2
MV-203		VARISTOR	2	D 11, 12
M54459L		IC: DIVIDER 1/20 OR 1/100	2	IC 3, 5
N87-2606-46		TAPPING SCREW M2.6X6	4	
N87-3006-46		TAPPING SCREW,FOOT	3	
N87-3012-46		TAPPING SCREW FINAL UNIT	5	
R90-0123-05		RESISTOR BLOCK 4.7KOHM X4	1	RB 101
R90-0584-05		CAP. BLOCK 100P X7	1	C 94
SN16913P		D.B.M IC	2	IC 4, 6
TC4011BP		C.MOS IC 2-INPUT NAND X4	8	IC 101,102,103,104,105,106,107,108
1SS133		DIODE	11	D 101,103,104,105,116,118,122,125,126,128
				137
			26	102,105,106,107,108,109,110,111,112,113
				114,117,119,120,121,123,124,127,129,130
				131,132,133,134,135,136
1SV123		VOLTAGE VARIABLE	4	D 4, 5, 7, 8
1S1587		DIODE	4	D 1, 2, 3, 6
			2	9, 10
2SC2458(Y)		TR	7	Q 12, 13, 14, 15, 17,101,102
2SC2868(Y)		TR	4	Q 4, 5, 9, 10
2SC2787(L)		TR	4	Q 1, 6, 11, 16
2SC3113(B)		TR	4	Q 2, 3, 7, 8
3SK73(GR)		FET	1	Q 18

DIGITAL C UNIT (X54-1850-00)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CE04W1A101M		ELECTRO 100 10V	1	C 2
CE04W1H101M		ELECTRO 100 50V	1	C 5
C91-0119-05		CERAMIC 0.047 50V	1	C 1
E23-0512-05		TERMINAL 1P	1	
E40-3007-05		MINI CONNECTOR 2P	1	
E40-3008-05		MINI CONNECTOR 3P	1	
E40-3010-05		MINI CONNECTOR 5P	1	
E40-3011-05		MINI CONNECTOR 6P	2	
E40-3012-05		MINI CONNECTOR 7P	1	
E40-3013-05		MINI CONNECTOR 8P	2	
E40-3017-05		MINI CONNECTOR 12P	2	
J31-0502-04	*	COLLAR PC BOAD	2	
J42-0428-05	*	BUSHING PC BOAD	2	
L40-4711-13		INDUCTOR 470 UH	2	L 1, 2
MTZ9.1JC		ZENER DIODE 9.1V	1	D 1
R90-0520-05		RESISTOR BLOCK 47K OHM X5	1	RB 5
R90-0521-05		RESISTOR BLOCK 47K OHM X7	1	RB 6
R90-0522-05		RESISTOR BLOCK 47K OHM X6	4	RB 1, 2, 3, 4
TC5065BP		C.MOS IC INVERTER X6	4	IC 1, 2, 3, 4
2SC2458(Y)		TR	1	Q 1

AT UNIT (X57-1130-00)

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
CC45CH2H270J		CERAMIC	27P 500V	1	C 13
CE04W0J101M		ELECTRO	100 6.3V	2	C 206,208
CE04W1A101M		ELECTRO	100 10V	1	C 203
CE04W1C100M		ELECTRO	10 16V	4	C 108,111,112,224
CE04W1C101M		ELECTRO	100 16V	3	C 204,205,207
CE04W1C470M		ELECTRO	47 16V	1	C 116
CE04W1HR33M		ELECTRO	0.33 50V	1	C 217
CE04W1HOR1M		ELECTRO	0.1 50V	1	C 220
CE04W1H010M		ELECTRO	1 50V	3	C 114,212,216
CE04W1H100M		ELECTRO	10 50V	2	C 1, 3
CQ92FM1H103K		MYLAR	0.01 50V	4	C 210,215,219,222
CQ92FM1H104K		MYLAR	0.1 50V	1	C 223
CQ92FM1H473K		MYLAR	0.047 50V	1	C 218
CQ92M1H333K		MYLAR	0.033 50V	1	C 214
CQ92M1H473K		MYLAR	0.047 50V	1	C 115
C02-0022-05		VARIABLE CAP.	300P 1.2KV	2	VC 1, 2
C05-0324-05		TRIMMER	60P	1	TC 101
C90-0840-05		ELECTRO	10 16V	1	C 117
C90-2015-05		ELECTRO	330 25V	1	C 209
C91-0456-05		CERAMIC	0.047 25V	2	C 12,107
				2	105,119
DTC114ES		DIGITAL TR	NPN	1	Q 7
DTC124ES		DIGITAL TR	NPN	12	Q 9, 10, 11, 12, 13,116,122,124,125,126 202,203
D40-0623-25		MECHANISM ASS'Y 1/200			
D40-0624-25		MECHANISM ASS'Y 1/300			
D40-0625-15		MECHANISM ASS'Y		1	
E04-0157-05	*	RF COAX. CABLE RECEPTACLE		3	
E40-0273-05	*	MINI CONNECTOR 2P		6	
E40-0373-05	*	MINI CONNECTOR 3P		3	
E40-0473-05	*	MINI CONNECTOR 4P		5	
E40-0573-05	*	MINI CONNECTOR 5P		3	
F20-0078-05		INSULATING PLATE		1	
F29-0014-05		INSULATING WASHER :TRANSISTOR		1	
HD10116		ECL IC	DIFF' AMP X3	1	IC 101
HD10125		ECL IC	LEVEL CONVT X4	1	IC 103
HD10131		ECL IC	D FLIP-FLOP X2	1	IC 102
J31-0502-04	*	COLLAR	PC BOAD	8	
J42-0428-05	*	BUSHING	PC BOAD	8	
LT8001P		LED	RED	4	D 119,201,202,210
L34-2250-05	N	TUNING COIL A		1	L 1
L34-2251-05	N	TUNING COIL B		1	L 2
L34-2252-05	N	TUNING COIL C		1	L 3
L34-2253-05	N	TUNING COIL D		1	L 4
L39-0415-15		DETECTOR COIL A		1	L 102
L39-0416-05		DETECTOR COIL B		1	L 103
L40-1011-04		INDUCTOR	100 UH	1	L 5
L40-1011-12		INDUCTOR	100 UH	9	L 103,104,105,109,110,201,202,203,204
L40-1011-13		INDUCTOR	100 UH	1	L 106
L40-1011-14		INDUCTOR	100 UH	2	L 107,108

PARTS NO.	NOTE	NAME & DESCRIPTION		QTY	REFERENCE NO.
MC10116L		ECL IC	DEFF' AMP X3	1	IC 101
MC10125L		ECL IC	LEVEL CONVT X4	1	IC 103
MC10131L		ECL IC	D FLIP-FLOP X2	1	IC 102
MC14077BCP		C.MOS IC	2INP' EX-NOR X4	1	IC 208
MTZ10J(A,B)		ZENER DIODE	10 V	5	D 11, 12, 13, 14,207
MTZ11JC		ZENER DIODE	11 V	1	D 211
MTZ16J(A,B)		ZENER DIODE	16 V	1	D 27
MTZ20J		ZENER DIODE	20 V	1	D 115
MTZ5.6JB		ZENER DIODE	5.6V	1	D 10
NE555P		TIMER IC		1	IC 106
NE556N	N	TIMER IC	DUAL	1	IC 204
NJM2901		LINER IC	QUADRUPLE	1	IC 104
NJM29040		LINER IC	DUAL	1	IC 105
N10-2030-46		NUT,TR	M3	2	
RC05GF2H101J		RES. SOLID	100 OHM 1/2W	2	R 101,102
RC05GF2H821J		RES. SOLID	820 OHM 1/2W	1	R 9
RS14GB3D330J		METAL FILM	33 OHM 2W	3	R 221,222,223
R12-2410-05		TRIM.POT.	5K OHM	1	VR 102
R12-3434-05		TRIM.POT.	10K OHM	1	VR 101
R90-0515-05		RESISTOR BLOCK	10K OHM X4	1	RB 1
R90-0560-05		CAP.BLOCK	0.022 X5	1	IB 1
R90-0561-05		RESISTOR BLOCK	22K OHM X6	1	RB 2
R90-0570-05		DIODE BLOCK		2	IB 101,102
R90-0592-05	N	RESISTOR BLOCK	4.7KOHM X6	1	RB 3
SN74LS145N		TTL IC: BCD	DECIMAL DECODER	1	IC 1
S51-1424-05		RELAY	DS-1 24V	7	RL 1, 2, 3, 4, 5, 5, 6, 8
S51-2411-05		RELAY	321D024	1	RL 101
S51-2414-05		RELAY	FBR244D012	1	RL 7
TC4001BP		C.MOS IC		1	IC 207
TC4011BP		C.MOS IC	2-INPUT NAND X4	1	IC 206
TC4027BP		C.MOS IC	JK FIIP-FLOP X2	1	IC 205
T42-0303-05		MOTOR		2	M 1, 2
UPC78L08A		AVR IC	8 V	1	IC 202
UPC7805H		AVR IC	5 V	1	IC 201
UPC7812H		AVR IC	12V	1	IC 203
1N4448		DIODE		9	D 1, 2, 3, 4, 5, 6, 7, 8,112
1N60		DIODE		2	D 101,102
1SS133		DIODE		29	D 9, 15, 16, 17, 18, 19, 20, 21, 22, 23
					24, 25, 26,107,108,109,110,111,113,114 116,117,118,203,204,205,206,208,209
1SS99		DIODE		4	D 103,104,105,106
1S1555		DIODE			D 1, 2, 3, 4, 5, 6, 7, 8,112
2SA1015(Y)		TR		7	Q 1, 2, 3, 4, 5, 6,201
2SA1048(Y)		TR		3	Q 101,102,123
2SA950(Y)		TR		4	Q 103,108,110,115
2SA966(O)		TR		1	Q 116
2SA984K(E)		TR		1	Q 119
2SC2120(Y)		TR		4	Q 105,106,112,113
2SC2458(Y)		TR		8	Q 104,107,109,111,114,117,120,121

KEYBOARD ASS'Y (S59-0433-15)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
E40-0373-05		MINI CONNECTOR 3P	2	
E40-0473-05		MINI CONNECTOR 4P	2	
E40-0573-05		MINI CONNECTOR 5P	3	
E40-0673-05		MINI CONNECTOR 6P	1	
E40-0773-05		MINI CONNECTOR 7P	2	
E40-0873-05		MINI CONNECTOR 8P	1	
LN01201C		LED RED	3	D 39, 46, 48
LN01301C		LED GREEN	6	D 37, 40, 41, 42, 45, 47
LN01401C		LED UMBER	5	D 38, 43, 44, 49, 50

LCD ASS'Y (W02-0368-05)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
B11-0427-08	N	REFLECTOR	1	
B11-0428-08	N	LIGHT GUIDING PLATE	1	
B30-0835-08	N	LAMP	2	
E29-0461-08	N	LCD CONNECTOR	2	
E31-3099-08	N	CONNECTOR WITH WIRE 2P	1	
E31-3100-08	N	INSIDE CONNECTING WIRE 10P	1	
FTD-7155	N	LCD	1	
HD44100	N	C.MOS IC LCD DRIVER	1	IC 2
HD44780	N	C.MOS IC LCD DRIVER	1	IC 1
J19-1416-08	N	LCD HOLDER	1	
RD73EB2B222J		CHIP RESISTOR 2.2KOHM 1/8W	5	R 1, 2, 3, 4, 5
RD73EB2B913J		CHIP RESISTOR 91K OHM 1/8W	1	R 6

MAIN ENCODER ASS'Y (W02-0328-10)

PARTS NO.	NOTE	NAME & DESCRIPTION	QTY	REFERENCE NO.
CE04W1A470M		ELECTRO 47 10V	1	C 1
E40-0474-05		MINI CONNECTOR 4P L TYPE	1	
LM358P		LINEAR IC DUAL	1	IC 1
LN66(S)		DIODE	2	D 1, 2
PN126S		PHOTO TRANSISTOR	2	Q 2, 3
R12-2411-05		TRIM.POT. 5K OHM	2	VR 1, 2
2SA1015(Y)		TR	1	Q 1
25D29		THERMISTOR 500 OHM	1	TH 1