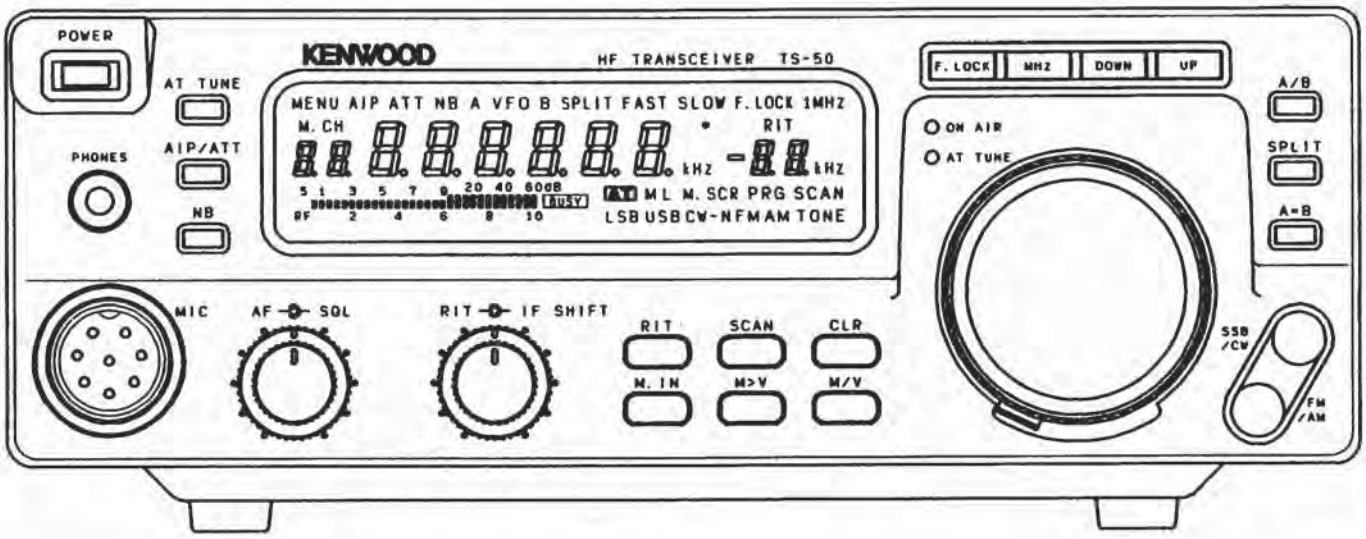
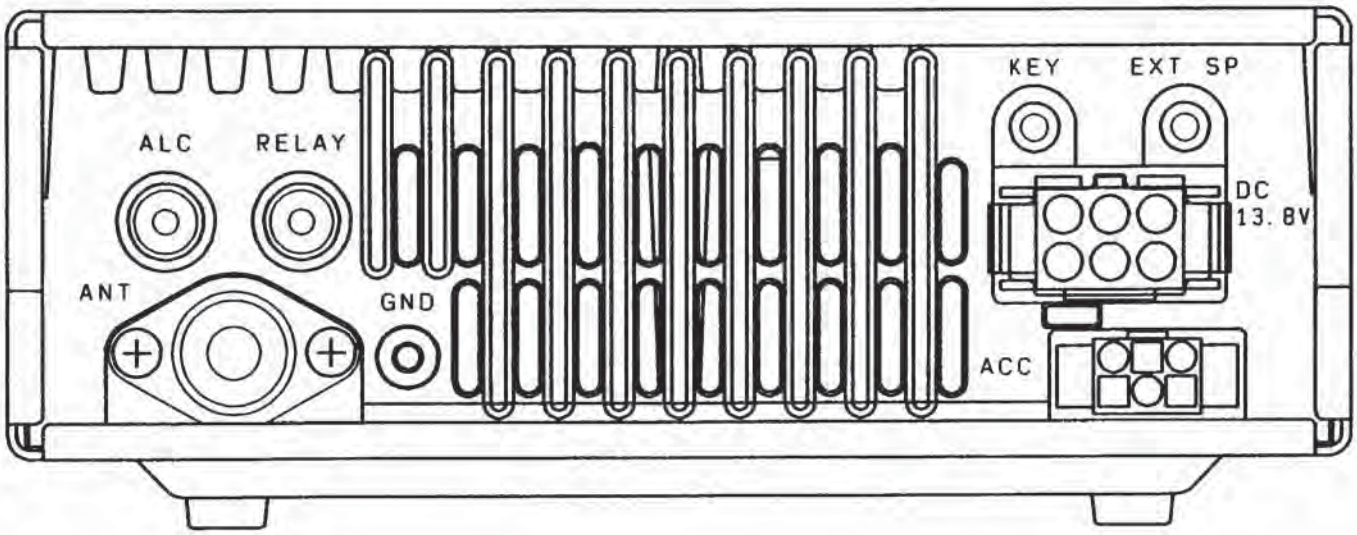
ADJUSTMENT

Front Panel

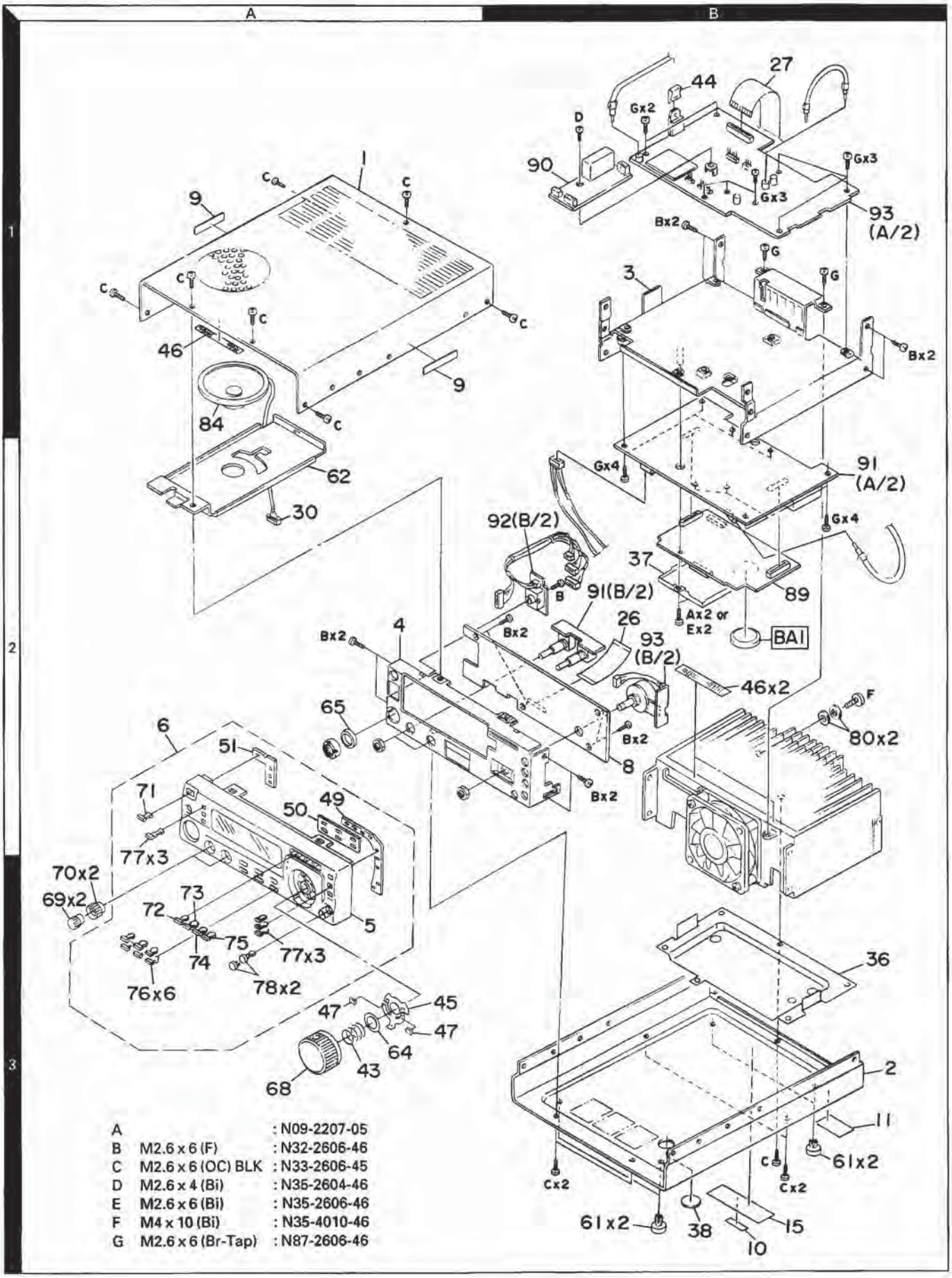


Rear Panel



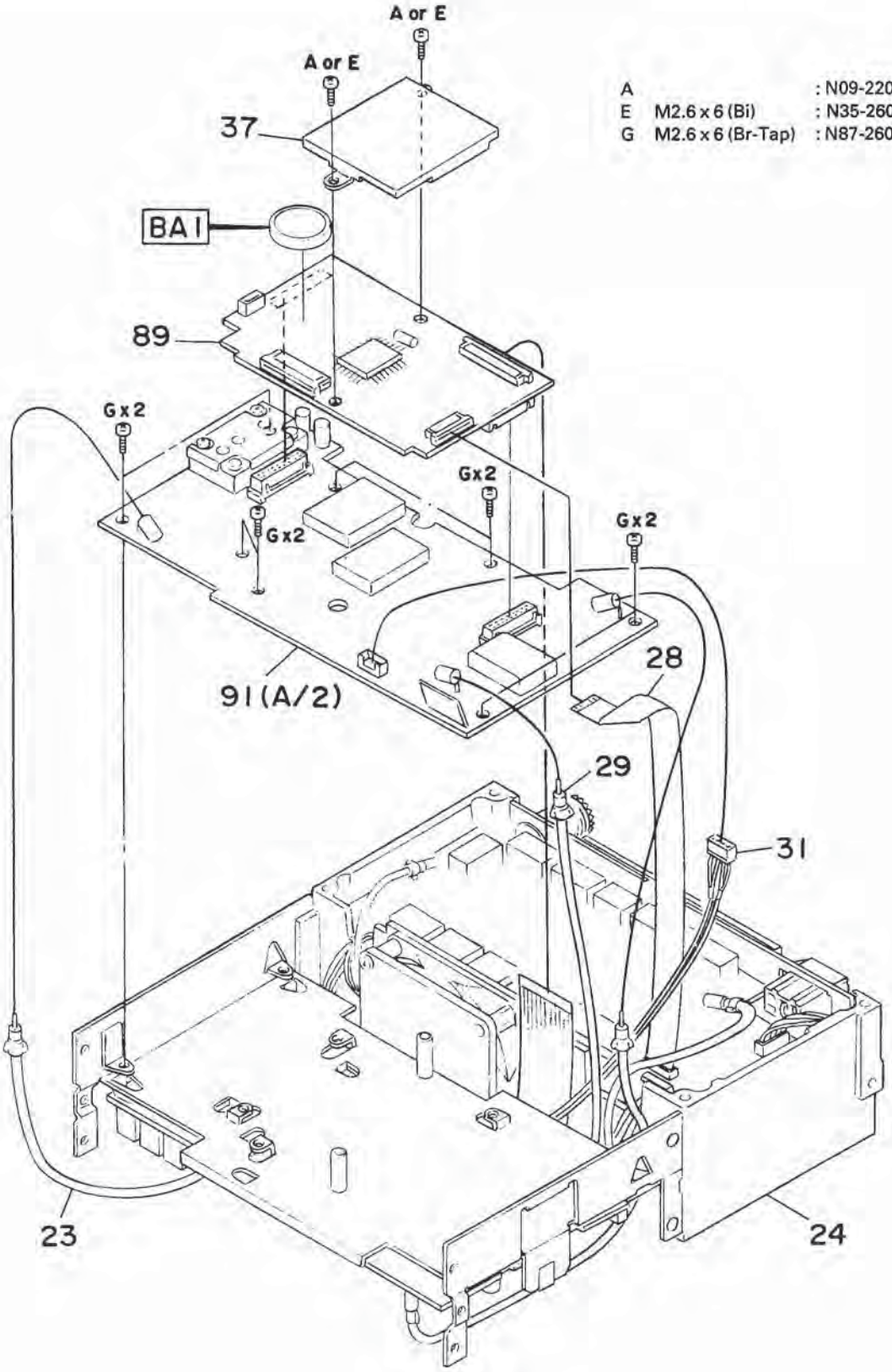
TS-50S

EXPLODED VIEW



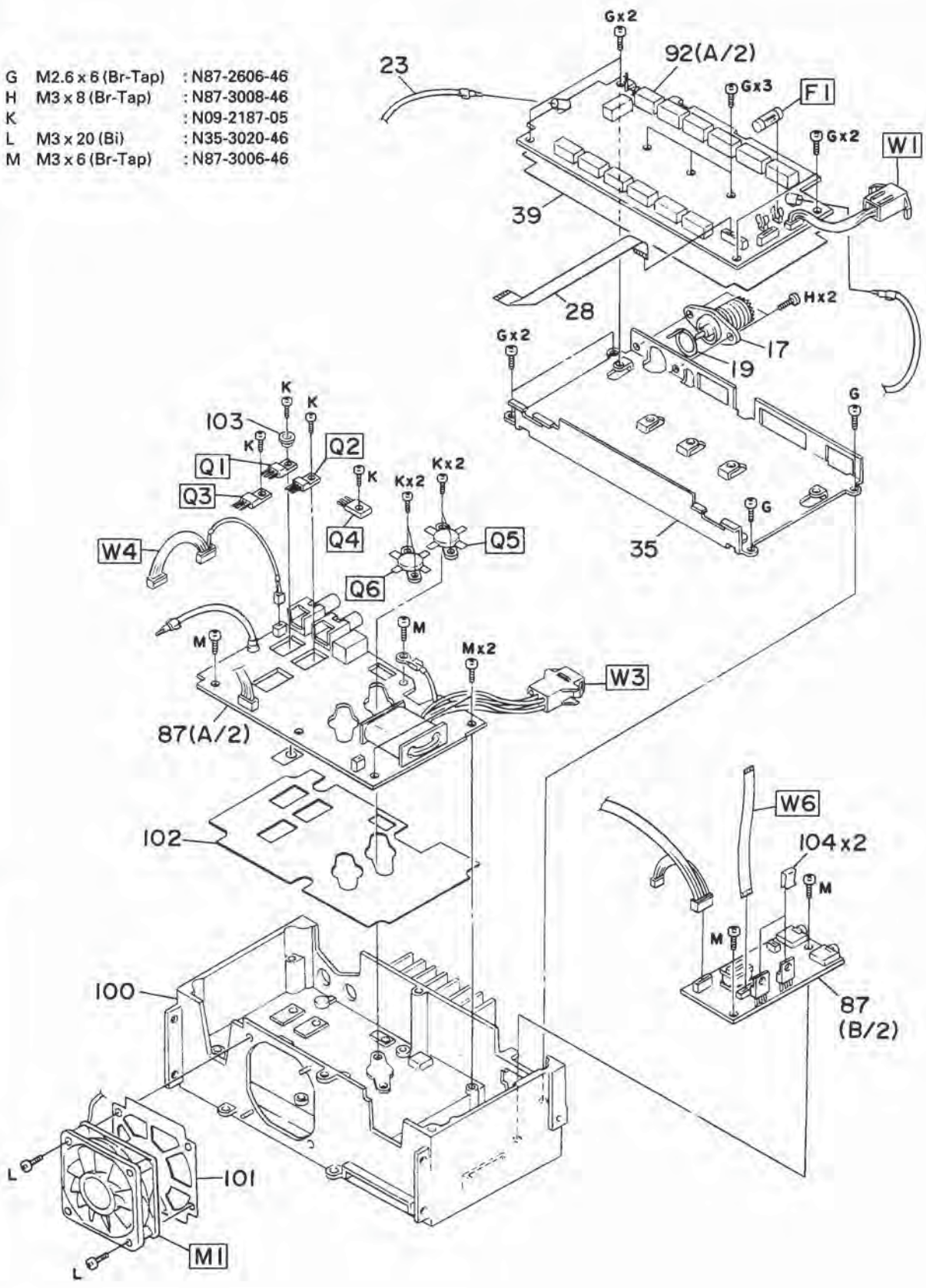
A		: N09-2207-05
B	M2.6 x 6 (F)	: N32-2606-46
C	M2.6 x 6 (OC) BLK	: N33-2606-45
D	M2.6 x 4 (Bi)	: N35-2604-46
E	M2.6 x 6 (Bi)	: N35-2606-46
F	M4 x 10 (Bi)	: N35-4010-46
G	M2.6 x 6 (Br-Tap)	: N87-2606-46

EXPLODED VIEW

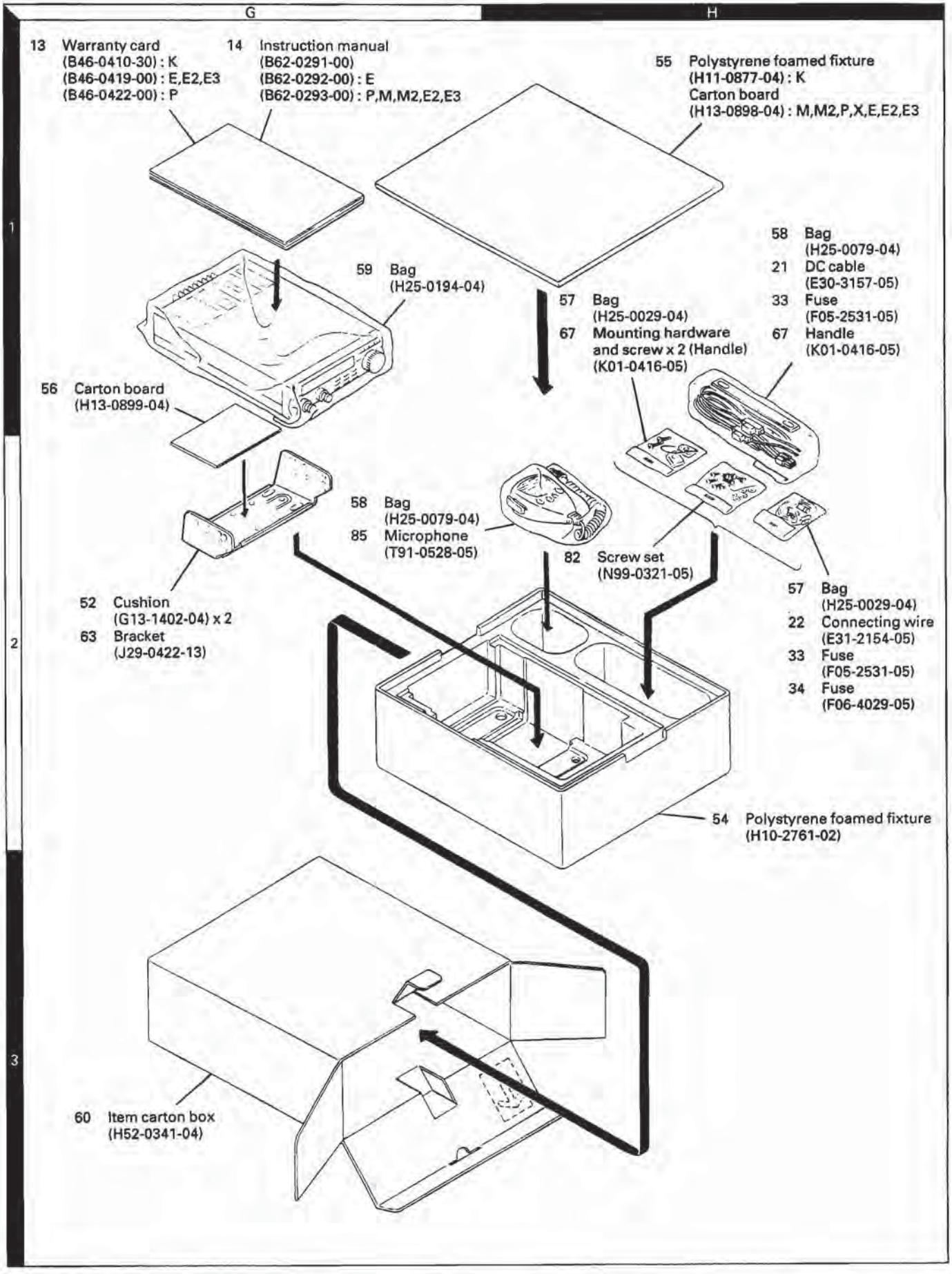


EXPLODED VIEW

G	M2.6 x 6 (Br-Tap)	: N87-2606-46
H	M3 x 8 (Br-Tap)	: N87-3008-46
K		: N09-2187-05
L	M3 x 20 (Bi)	: N35-3020-46
M	M3 x 6 (Br-Tap)	: N87-3006-46



PACKING


G
H
1
2
3
13 Warranty card
(B46-0410-30) : K
(B46-0419-00) : E,E2,E3
(B46-0422-00) : P
14 Instruction manual
(B62-0291-00)
(B62-0292-00) : E
(B62-0293-00) : P,M,M2,E2,E3
55 Polystyrene foamed fixture
(H11-0877-04) : K
Carton board
(H13-0898-04) : M,M2,P,X,E,E2,E3
59 Bag
(H25-0194-04)
58 Bag
(H25-0079-04)
21 DC cable
(E30-3157-05)
33 Fuse
(F05-2531-05)
67 Handle
(K01-0416-05)
57 Bag
(H25-0029-04)
67 Mounting hardware
and screw x 2 (Handle)
(K01-0416-05)
56 Carton board
(H13-0899-04)
58 Bag
(H25-0079-04)
85 Microphone
(T91-0528-05)
82 Screw set
(N99-0321-05)
52 Cushion
(G13-1402-04) x 2
63 Bracket
(J29-0422-13)
57 Bag
(H25-0029-04)
22 Connecting wire
(E31-2154-05)
33 Fuse
(F05-2531-05)
34 Fuse
(F06-4029-05)
54 Polystyrene foamed fixture
(H10-2761-02)
60 Item carton box
(H52-0341-04)

PARTS LIST

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TS-50S

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			TS-50S			
1	1A	*	A01-2070-02	METALLIC CABINET (TOP)		
2	3B	*	A01-2071-02	METALLIC CABINET (BOTTOM)		
3	1B	*	A10-1329-02	CHASSIS (MAIN)		
4	2A	*	A22-0784-03	SUB PANEL		
5	2A	*	A62-0210-03	PANEL		
6	2A	*	A62-0211-03	PANEL ASSY		
-		*	B10-1187-04	FRONT GLASS		
-		*	B11-1067-04	FILTER		
8	2B	*	B38-0377-05	LCD ASSY		
9	1A		B42-2455-04	LABEL (M4X8MAX)		
10	3B		B42-3343-04	LABEL (S/NO)		
11	3B		B42-3395-04	LABEL	K	
-			B44-2163-04	LABEL (UPC CARD)		
13	1G		B46-0410-30	WARRNTY CARD	K	
13	1G		B46-0419-00	WARRNTY CARD	EE2E3	
13	1G		B46-0422-00	WARRNTY CARD	P	
14	1G	*	B62-0291-00	INSTRUCTION MANUAL		
14	1G	*	B62-0292-00	INSTRUCTION MANUAL	E	
14	1G	*	B62-0293-00	INSTRUCTION MANUAL	MM2E2	
14	1G	*	B62-0293-00	INSTRUCTION MANUAL	E3P	
15	3B	*	B72-0480-04	MODEL NAME PLATE	KMM2XP	
15	3B	*	B72-0483-04	MODEL NAME PLATE	EE2E3	
17	1F		E04-0167-05	RF COAXIAL CABLE RECEPTACLE		
-			E06-0858-15	CYLINDRICAL RECEPTACLE(LCD ASSY)		
19	1F		E23-0616-14	GND TERMINAL (FILTER)		
-			E23-0623-04	GND TERMINAL (LCD ASSY)		
21	1H	*	E30-3157-05	DC CABLE		
22	2H		E31-2154-05	CONNECTING WIRE		
23	1E,3C		E31-3092-05	CONNECTING WIRE		
24	3D		E31-6118-05	CONNECTING WIRE		
-		*	E33-1967-05	FINISHED WIRE SET		
26	2B	*	E37-0348-05	FLAT CABLE (LCD-DIG)		
27	1B	*	E37-0349-05	FLAT CABLE (DIG-TXRX)		
28	1F,2D	*	E37-0350-05	FLAT CABLE (FILTER-DIG)		
29	2D	*	E37-0352-05	CONNECTING WIRE (PLL-TXRX)		
30	2A	*	E37-0355-05	CONNECTING WIRE (SP)		
31	2D	*	E37-0356-05	CONNECTING WIRE (PLL-TXRX)		
33	1H		F05-2531-05	FUSE (25A····DC CABLE)		
33	2H		F05-2531-05	FUSE (25A····ACSY)		
34	2H		F06-4029-05	FUSE (4A ····ACSY)		
35	2F	*	F10-2048-03	SHIELDING PLATE(FILTER UNIT)		
36	3B	*	F10-2049-03	SHIELDING PLATE(FILTER COVER)		
37	1C,2B	*	F10-2050-04	SHIELDING PLATE(DIGITAL UNIT)		
38	3B	*	F15-0681-04	SHADE (CASE BOTTOM)		
39	1F	*	F20-1119-04	INSULATING BOARD(FILTER UNIT)		
-			F20-1132-14	INSULATING BOARD(SUB PANEL)		
43	3A	*	G01-0874-04	COIL SPRING (PANEL)		
44	1B		G02-0576-14	FLAT SPRING (PLL UNIT)		
45	3A	*	G02-0733-04	FLAT SPRING (PANEL)		
46	1A,2B		G10-0700-04	NON-WOVEN FABRIC (60X10)		
47	3A	*	G10-0732-04	NON-WOVEN FABRIC (SPRING)		

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TS-50S

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-		*	G10-0733-04	NON-WOVEN FABRIC (CASE TOP)		
49	2A	*	G13-1380-04	CUSHION (KNOB)		
50	2A	*	G13-1381-04	CUSHION (KNOB)		
51	2A	*	G13-1382-04	CUSHION (KNOB)		
52	2G	*	G13-1402-04	CUSHION (BRACKET ACSY)		
54	2H	*	H10-2761-02	POLYSTYRENE FOAMED FIXTURE		
55	1H	*	H11-0877-04	POLYSTYRENE FOAMED BOARD	K	
55	1H	*	H13-0898-04	CARTON BOARD	MM2XP	
55	1H	*	H13-0898-04	CARTON BOARD	EE2E3	
56	1G	*	H13-0899-04	CARTON BOARD		
57	2H		H25-0029-04	BAG (ACSY····60X110)		
58	1H,2H		H25-0079-04	BAG (MIC,DC CABLE···200X200)		
59	1G		H25-0194-04	BAG (BODY····280X400)		
60	3G	*	H52-0341-04	ITEM CARTON BOX		
-		*	H62-0297-04	PACKING CASE		
61	3B		J02-0441-05	FOOT		
62	2A	*	J21-4406-04	MOUNTING HARDWARE (SP)		
63	2J	*	J29-0422-13	BRACKET (ACSY)		
64	3A	*	J30-0592-04	SPACER (PANEL)		
65	2A		J31-0141-04	COLLAR (MIC)		
-			J61-0307-05	BAND		
67	1H		K01-0416-05	HANDLE (ACSY)		
68	3A	*	K21-0793-04	KNOB (MAIN)		
69	3A	*	K29-4809-04	KNOB (AF,RIT)		
70	3A	*	K29-4810-04	KNOB (SQL,AF SHIFT)		
71	2A	*	K29-4811-04	KNOB (POWER)		
72	3A	*	K29-4812-04	KNOB (F LOCK)		
73	3A	*	K29-4813-04	KNOB (MHz)		
74	3A	*	K29-4814-04	KNOB (DOWN)		
75	3A	*	K29-4815-04	KNOB (UP)		
76	3A	*	K29-4816-04	KNOB (RIT etc)		
77	2A,3A	*	K29-4817-04	KNOB (A/B etc)		
78	3A	*	K29-4818-04	KNOB (SSB/CW etc)		
A	2B,1C	*	N09-2207-05	SCREW (DIGITAL UNIT)	X	
80	2B		N15-1040-46	FLAT WASHER (GND)		
B	1B,2B		N32-2606-46	FLAT HEAD MACHIN SCREW(CHASSIS)		
C	1A,3B		N33-2606-45	OVAL HEAD MACHIN SCREW(CASE)		
D	1B		N35-2604-46	BINDING HEAD MACHINE SCREW(IF)		
E	1C,2B		N35-2606-46	BINDING HEAD MACHINE SCREW(DIG)	KMM2P	
E	1C,2B		N35-2606-46	BINDING HEAD MACHINE SCREW(DIG)	EE2E3	
F	2B		N35-4010-46	BINDING HEAD MACHINE SCREW(GND)		
G	1B,2D		N87-2606-46	BRAZIER HEAD TAPTITE SCREW		
H	2F		N87-3008-46	BRAZIER HEAD TAPTITE SCREW(ANT)		
82	2H		N99-0321-05	SCREW SET (ACSY)		
84	1A	*	T07-0298-05	LOUDSPEAKER(FULLRANGE)		
85	2H	*	T91-0528-05	MICROPHONE		
87	2E,3F	*	X45-3460-00	FINAL UNIT		
89	1C,2B	*	X46-3150-11	DIGITAL UNIT	KP	
89	1C,2B	*	X46-3150-22	DIGITAL UNIT	M2	
89	1C,2B	*	X46-3150-71	DIGITAL UNIT	MX	
89	1C,2B	*	X46-3152-71	DIGITAL UNIT	E	
89	1C,2B	*	X46-3152-72	DIGITAL UNIT	E2	

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TS-50S
FINAL UNIT (X45-3460-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Destination 仕向	Remarks 備考
89	1C,2B	*	X46-3152-73	DIGITAL UNIT			E3	
90	1B	*	X48-3110-00	IF UNIT				
91	2B,2C	*	X50-3190-00	PLL UNIT				
92	2B	*	X51-3120-00	FILTER UNIT			KMM2XP	
92	2B	*	X51-3122-71	FILTER UNIT			EE2E3	
93	1B,2B	*	X57-4220-11	TX-RX UNIT				
FINAL UNIT (X45-3460-00)								
C2			CK73FB1E104K	CHIP C	0.10UF	K		
C3			CK73FB1E103K	CHIP C	0.01UF	K		
C4			CK73FB1H102K	CHIP C	1000PF	K		
C5			CK73FB1E104K	CHIP C	0.10UF	K		
C6			CC73FSL1H821J	CHIP C	820PF	J		
C7			CK73FB1H102K	CHIP C	1000PF	K		
C8			CK73FB1E104K	CHIP C	0.10UF	K		
C9 ,10			CK73FB1E103K	CHIP C	0.01UF	K		
C11			CK73FB1E104K	CHIP C	0.10UF	K		
C12		*	C90-2193-05	ELECTRO	39UF	25WV		
C13			CC45SL2H221J	CERAMIC	220PF	J		
C14			CK73FB1E103K	CHIP C	0.01UF	K		
C15			CK73FB1E104K	CHIP C	0.10UF	K		
C17			CK73FB1E103K	CHIP C	0.01UF	K		
C18			CK73FB1H102K	CHIP C	1000PF	K		
C19			CK73FB1E104K	CHIP C	0.10UF	K		
C20			CE04EW1C100M	ELECTRO	10UF	16WV		
C23			CK73FB1E103K	CHIP C	0.01UF	K		
C24			CK45E2H222P	CERAMIC	2200PF	P		
C25 ,26			C91-1004-05	CHIP C	0.0068UF	J		
C27		*	C90-2194-05	ELECTRO	220UF	25WV		
C28 ,29			CK73FB1E104K	CHIP C	0.10UF	K		
C30			CK73FB1H102K	CHIP C	1000PF	K		
C31			CE04EW1C100M	ELECTRO	10UF	16WV		
C32			CK73FB1E104K	CHIP C	0.10UF	K		
C33			CE04EW1E471M	ELECTRO	470UF	25WV		
C34 ,35			CK73FB1E103K	CHIP C	0.01UF	K		
C36			CK73FB1E104K	CHIP C	0.10UF	K		
C37			CK73FB1E103K	CHIP C	0.01UF	K		
C38			CC45SL2H151J	CERAMIC	150PF	J		
C39		*	CM73F2H102J	CHIP C	1000PF	J		
C40			CM73F2H561J	CHIP C	560PF	J		
C42 ,43			CK73FB1E103K	CHIP C	0.01UF	K		
C44			CM73F2H122J	CHIP C	1200PF	J		
C45			CK73FB1H472K	CHIP C	4700PF	K		
C46			CK73FB1H102K	CHIP C	1000PF	K		
C47			CK73FB1E104K	CHIP C	0.10UF	K		
C101			CK73FB1E104K	CHIP C	0.10UF	K		
C102-105			CK73FB1E103K	CHIP C	0.01UF	K		
C106-111			CK73FB1E104K	CHIP C	0.10UF	K		
C112,113			CK73FB1H102K	CHIP C	1000PF	K		
C115,116			CK73FB1H102K	CHIP C	1000PF	K		
C118-121			CE04NW1E100M	ELECTRO	10UF	25WV		
C122			CE04EW1E102M	ELECTRO	1000UF	25WV		
C123			CK73FB1E103K	CHIP C	0.01UF	K		
C124			CE04EW1E102M	ELECTRO	1000UF	25WV		

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FINAL UNIT (X45-3460-00)

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CN2			E04-0157-05	RF COAXIAL CABLE RECEPTACLE		
CN3 ,4			E40-3246-05	PIN CONNECTOR (2P)		
CN101		*	E40-5604-05	PIN CONNECTOR (11P)		
CN102			E40-3248-05	PIN CONNECTOR		
CN103,104			E40-3250-05	PIN CONNECTOR (6P)		
CN105			E40-3246-05	PIN CONNECTOR (2P)		
J1		*	E63-0401-05	PHONO JACK (RELAY)		
J2			E13-0166-05	PHONO JACK (EXT ALC)		
J101		*	E11-0451-05	PHONE JACK (EXT SP)		
J102		*	E11-0450-05	PHONE JACK (KEY)		
TP1 -4			E23-0512-05	TERMINAL		
W1	-	*	E37-0360-05	CONNECTING WIRE (6P to 2P4P)		
W2	-	*	E37-0361-05	CONNECTING WIRE (14V,14V)		
W3	2F	*	E37-0362-05	CONNECTING WIRE (DC CABLE)		
W4	2E	*	E37-0363-05	CONNECTING WIRE (BALC)		
W5	-	*	E37-0364-05	CONNECTING WIRE (PHONE,KEY)		
W6	2F	*	E37-0358-05	FLAT CABLE (to FILTER)		
W7	-	*	E37-0359-05	CONNECTING WIRE (DRV)		
W8	-		E31-3301-05	CONNECTING WIRE (PO)		
100	3E	*	F01-0994-02	HEAT SINK		
101	3E	*	F10-2052-04	SHIELDING PLATE (FAN)		
102	2E	*	F20-1120-04	INSULATING BOARD		
103	2E		F29-0014-05	INSULATOR (Q1)		
F101	-	*	F53-0093-05	FUSE		
M1	3E	*	F09-0438-05	FAN MOTOR		
104	2F		G02-0574-04	FLAT SPRING (IC101,102)		
L1			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L2			L40-3392-48	SMALL FIXED INDUCTOR (3.3UH)		
L3		*	L39-0481-05	TOROIDAL COIL (PRI DRV)		
L4		*	L19-0342-15	BALUN TRANSFORMER (DRV)		
L5			L33-0699-05	CHOKE COIL		
L6			L33-0617-05	CHOKE COIL		
L7 -10			L33-0699-05	CHOKE COIL		
L11			L33-0651-05	CHOKE COIL		
L12			L33-0617-05	CHOKE COIL		
L13		*	L39-1209-25	TOROIDAL COIL		
L14		*	L39-0480-15	TOROIDAL COIL		
L15			L40-3392-48	SMALL FIXED INDUCTOR (3.3UH)		
L16			L40-3982-48	SMALL FIXED INDUCTOR (0.39UH)		
L17			L40-4791-14	SMALL FIXED INDUCTOR		
L101			L15-0016-05	LOW-FREQENCY CHOKE COIL		
K	2E		N09-2187-05	SCREW (TRANSISTOR)		
L	3E		N35-3020-46	BINDING HEAD MACHINE SCREW		
M	2E,3F		N87-3006-46	BRAZIER HEAD TAPTITE SCREW		
R2			R92-0670-05	CHIP R 0 OHM		
R4			RK73FB2A101J	CHIP R 100 J 1/10W		
R5			RK73FB2A681J	CHIP R 680 J 1/10W		
R6 ,7			RK73FB2A331J	CHIP R 330 J 1/10W		
R8 ,9			RK73FB2A6R8J	CHIP R 6.8 J 1/10W		
R10		*	R92-1242-05	CHIP R 6.8 J 1/4W		
R11		*	R92-1243-05	CHIP R 8.2 J 1/2W		
R12 ,13		*	R92-0696-05	CHIP R 33 J 1/4W		
R14 ,15		*	R92-1318-05	FIXED RESISTOR 100 1W		

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R16		*	R92-1221-05	FIXED RESISTOR 82 1/4W		
R17 -20			RS14DB3A5R6J	FL-PROOF RS 5.6 J 1W		
R21 ,22			RS14DB3A150J	FL-PROOF RS 15 J 1W		
R23 ,24			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W		
R25			RK73FB2A561J	CHIP R 560 J 1/10W		
R26		*	R92-1317-05	FIXED RESISTOR 18 1W		
R30			RK73FB2A333J	CHIP R 33K J 1/10W		
R31			RK73FB2A103J	CHIP R 10K J 1/10W		
R32			RK73FB2A474J	CHIP R 470K J 1/10W		
R33 ,34			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R35			RK73FB2A681J	CHIP R 680 J 1/10W		
R36			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R37			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R38			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R39			RK73FB2A101J	CHIP R 100 J 1/10W		
R40			RK73FB2A104J	CHIP R 100K J 1/10W		
R41			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R42			RK73FB2A103J	CHIP R 10K J 1/10W		
R43			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R44			RK73FB2A103J	CHIP R 10K J 1/10W		
R45			RK73FB2A333J	CHIP R 33K J 1/10W		
R47			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R48			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R50		*	R92-1316-05	FIXED RESISTOR 39 1W		
R51		*	R92-1292-05	FIXED RESISTOR 68 1W		
R52		*	R92-1240-05	FIXED RESISTOR 10 1/4W		
R101			RK73FB2A472J	CHIP R 4.7K J 1/10W		
VR1			R12-0104-05	TRIM POT. 220		
VR2			R12-1085-05	TRIM POT. 2.2K		
K1			S51-1420-05	RELAY		
K101			S51-2423-05	RELAY		
D1			MA27T-B	DIODE		
D2			MA27-B	DIODE		
D3			LFB01	DIODE		
D4 ,5			MA27-B	DIODE		
D6			LFB01	DIODE		
D7			SG-5L(R)	DIODE		
D8			DAN202K	DIODE		
D102			LFB01	DIODE		
D103			RD18M(B1)	DIODE		
IC1			NJM2902M	IC(OP AMP X4)		
IC101			UPC7805H	IC(VOLTAGE REGULATOR/ +5V)		
IC102			UPC7808H	IC(VOLTAGE REGULATOR/ +8V)		
Q1	2E		2SC1971	TRANSISTOR		
Q2 ,3	2E		2SC3133	TRANSISTOR		
Q4	2E		2SC3421(Y)	TRANSISTOR		
Q5 ,6	2E		2SC2879(O,Y)	TRANSISTOR		
Q7			FMC1	TRANSISTOR		
Q8 -10			DTD114EK	DIGITAL TRANSISTOR		
Q11			DTC124TK	DIGITAL TRANSISTOR		
Q101			DTC143TK	DIGITAL TRANSISTOR		
Q102			DTC114EK	DIGITAL TRANSISTOR		
TH1			5TP41L	THERMISTOR		

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DIGITAL UNIT (X46-315X-XX)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
DIGITAL UNIT (X46-315X-XX) 0-11 : K, P 0-22 : M2 0-71 : M, X 2-71 : E 2-72 : E2 2-73 : E3						
C1 -4			CK73FB1H102K	CHIP C 1000PF K		
C5			CK73FB1E103K	CHIP C 0.01UF K		
C6 -8			CK73FB1H102K	CHIP C 1000PF K		
C9			CK73FB1E103K	CHIP C 0.01UF K		
C10 -24			CK73FB1H102K	CHIP C 1000PF K		
C25 ,26			CC73FCH1H101J	CHIP C 100PF J		
C27 -29			CK73FB1E103K	CHIP C 0.01UF K		
C30			CC73FCH1H101J	CHIP C 100PF J		
C31			CK73FB1H102K	CHIP C 1000PF K		
C32 ,33			CC73FCH1H330J	CHIP C 33PF J		
C34			CK73FF1C105Z	CHIP C 1.0UF Z		
C35			CK73FF1E104Z	CHIP C 0.1UF Z		
C36			CK73FB1H102K	CHIP C 1000PF K		
C37 -45			CC73FCH1H101J	CHIP C 100PF J		
C46			C92-0009-05	CHIP TAN 4.7UF 10WV		
C47 -54			CK73FB1H102K	CHIP C 1000PF K		
C55			CK73EF1H104Z	CHIP C 0.1UF Z		
C56 ,57			CK73FB1H102K	CHIP C 1000PF K		
C58			C92-0009-05	CHIP TAN 4.7UF 10WV		
C59			CK73FF1C105Z	CHIP C 1.0UF Z		
C60			CK73FB1E103K	CHIP C 0.01UF K		
C61 ,62			CC73FCH1H101J	CHIP C 100PF J		
C63			CK73EF1H104Z	CHIP C 0.1UF Z		
C64			CK73FB1H102K	CHIP C 1000PF K		
C65			C92-0009-05	CHIP TAN 4.7UF 10WV		
C66 -73			CK73FB1H102K	CHIP C 1000PF K		
C74			CK73EF1H104Z	CHIP C 0.1UF Z		
C75			C92-0009-05	CHIP TAN 4.7UF 10WV		
C76 -79			CK73FB1H102K	CHIP C 1000PF K		
C80 -84			CK73FB1E103K	CHIP C 0.01UF K		
CN1		*	E40-5314-05	PIN CONNECTOR (25P)		
CN2		*	E40-5610-05	PIN CONNECTOR (11P)		
CN3		*	E40-5314-05	PIN CONNECTOR (25P)		
CN4		*	E40-5301-05	PIN CONNECTOR (12P)		
CN5		*	E40-5610-05	PIN CONNECTOR (11P)		
CN6			E40-5183-05	PIN CONNECTOR (6P)		
-			F20-0521-04	INSULATING BOARD		
L1		*	L40-1801-18	SMALL FIXED INDUCTOR (18UH)		
X1		*	L77-1522-05	CRYSTAL RESONATOR (7.9MHz)		
CP1			R90-0711-05	MULTI-COMP		
R1			RK73FB2A223J	CHIP R 22K J 1/10W		
R2			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R3 -5			RK73FB2A471J	CHIP R 470 J 1/10W		
R6			RK73FB2A223J	CHIP R 22K J 1/10W		
R7 -11			RK73FB2A471J	CHIP R 470 J 1/10W		
R12 -19			RK73FB2A103J	CHIP R 10K J 1/10W		
R20 -25			RK73FB2A221J	CHIP R 220 J 1/10W		
R26			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R27 -31			RK73FB2A221J	CHIP R 220 J 1/10W		

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DIGITAL UNIT (X46-315X-XX)
IF UNIT (X48-3110-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R32			RK73FB2A471J	CHIP R 470 J 1/10W		
R33 ,34			RK73FB2A221J	CHIP R 220 J 1/10W		
R35			RK73FB2A471J	CHIP R 470 J 1/10W		
R36			RK73FB2A223J	CHIP R 22K J 1/10W		
R37 -39			RK73FB2A471J	CHIP R 470 J 1/10W		
R40 ,41			RK73FB2A101J	CHIP R 100 J 1/10W		
R42 ,43			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R44			RK73FB2A104J	CHIP R 100K J 1/10W		
R45			RK73FB2A154J	CHIP R 150K J 1/10W		
R46 ,47			RK73FB2A104J	CHIP R 100K J 1/10W		
R48			RK73FB2A471J	CHIP R 470 J 1/10W		
R49 ,50			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R51 ,52			RK73FB2A473J	CHIP R 47K J 1/10W		
R53 -56			RK73FB2A103J	CHIP R 10K J 1/10W		
R57 ,58			RK73FB2A221J	CHIP R 220 J 1/10W		
R60 -68			RK73FB2A471J	CHIP R 470 J 1/10W		
R69 ,70			RK73FB2A103J	CHIP R 10K J 1/10W		
R71			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R73 ,74			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R75			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R81 -99			RK73FB2A103J	CHIP R 10K J 1/10W		
D1			1SS133	DIODE	E2E3M3	
D2			1SS133	DIODE	E3	
D3			1SS133	DIODE	EE2E3	
D4			1SS133	DIODE	EE2E3	
D4			1SS133	DIODE	MXM2M3	
D5			1SS133	DIODE	EE2E3	
D5			1SS133	DIODE	KPM3	
D6			1SS355	DIODE	MX	
D9			1SS301	DIODE		
D11			1SS301	DIODE		
D12		*	RD8.2M(B2)	DIODE		
D13			1SS355	DIODE		
IC1		*	M37702M4A212FP	IC(CPU)		
IC2		*	TC74HC238AF	IC		
IC3			TC74HC573AF	IC(LATCH)		
IC4		*	M62003FP	IC		
IC5			NM93C66EM8	IC(CMOS EEPROM)		
IC6			NJM78L05UA	IC(VOLTAGE REGULATOR/ +5V)		
Q1			DTA143EK	DIGITAL TRANSISTOR		
Q2			DTC143EK	DIGITAL TRANSISTOR		
Q3			DTA143EK	DIGITAL TRANSISTOR		
Q4			DTC143EK	DIGITAL TRANSISTOR		
Q5			DTA143TK	DIGITAL TRANSISTOR		
Q6			2SC2712(Y)	TRANSISTOR		
BA1	1C,2B		W09-0515-05	LITHIUM BATTERY		
IF UNIT (X48-3110-00)						
C1 -13			CK73FB1E103K	CHIP C 0.01UF K		
C14			CC73FCH1H120J	CHIP C 12PF J		
C15 ,16			CK73FB1E103K	CHIP C 0.01UF K		
C17			CC73FCH1H010C	CHIP C 1PF C		
C18			CC73FCH1H200J	CHIP C 20PF J		
C19			CC73FCH1H010C	CHIP C 1PF C		

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IF UNIT (X48-3110-00)
PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C20 ,21			CC73FCH1H020C	CHIP C 2.0PF C		
CN1		*	E40-4465-05	PIN CONNECTOR (5P)		
CN2		*	E40-4464-05	PIN CONNECTOR (4P)		
CN3		*	E40-4465-05	PIN CONNECTOR (5P)		
CN4		*	E40-4463-05	PIN CONNECTOR (3P)		
XF2		*	L71-0433-05	CRYSTAL FILTER(10.695MHz･･･AM)		
XF3			L71-0249-05	CRYSTAL FILTER(10.695MHz･･SSB)		
R1			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R2			RK73FB2A101J	CHIP R 100 J 1/10W		
R3			RK73FB2A561J	CHIP R 560 J 1/10W		
R4			RK73FB2A473J	CHIP R 47K J 1/10W		
R5			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R6			RK73FB2A101J	CHIP R 100 J 1/10W		
R7 -9			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R10			RK73FB2A391J	CHIP R 390 J 1/10W		
R11			RK73FB2A473J	CHIP R 47K J 1/10W		
R12			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R13			RK73FB2A101J	CHIP R 100 J 1/10W		
R14			RK73FB2A473J	CHIP R 47K J 1/10W		
R15			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R16 ,17			RK73FB2A101J	CHIP R 100 J 1/10W		
R18			RK73FB2A473J	CHIP R 47K J 1/10W		
R19			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R20			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R21			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R22			RK73FB2A101J	CHIP R 100 J 1/10W		
R23			RK73FB2A221J	CHIP R 220 J 1/10W		
D1 ,2			DAN235K	DIODE		
D3			RLS135	DIODE		
D4			DAN202K	DIODE		
D5			DAN235K	DIODE		
D6			1SS226	DIODE		
D7			RLS135	DIODE		
Q1 -3			DTC143TK	DIGITAL TRANSISTOR		
PLL UNIT (X50-3190-00)						
C2 ,3			CK73FB1E103K	CHIP C 0.01UF K		
C8 ,9			CC73FCH1H221J	CHIP C 220PF J		
C10 ,11			CC73FCH1H470J	CHIP C 47PF J		
C12 ,13			CC73FCH1H221J	CHIP C 220PF J		
C14 -16			CC73FCH1H470J	CHIP C 47PF J		
C17			CE04EW1A221M	ELECTRO 220UF 10WV		
C18			CK73FB1E103K	CHIP C 0.01UF K		
C19 ,20			CK73FB1H102K	CHIP C 1000PF K		
C21			CK73FB1E103K	CHIP C 0.01UF K		
C22			CC73FCH1H470J	CHIP C 47PF J		
C23			CC73FSL1H391J	CHIP C 390PF J		
C24			CC73FCH1H470J	CHIP C 47PF J		
C25			CC73FCH1H330J	CHIP C 33PF J		
C26			CC73FCH1H060D	CHIP C 6PF D		
C27			CC73FCH1H470J	CHIP C 47PF J		
C28			CC73FCH1H180J	CHIP C 18PF J		
C29			CC73FCH1H270J	CHIP C 27PF J		
C30			CK73FB1E103K	CHIP C 0.01UF K		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Destination 仕向	Remarks 備考
C31 ,32			CK73FB1H102K	CHIP C	1000PF	K		
C33 -37			CK73FB1E103K	CHIP C	0.01UF	K		
C46 ,47			CK73FB1E103K	CHIP C	0.01UF	K		
C48			C92-0037-05	ELECTRO	10UF	16WV		
C55 -61			CK73FB1E103K	CHIP C	0.01UF	K		
C62			CC73FCH1H560J	CHIP C	56PF	J		
C63			CC73FSL1H391J	CHIP C	390PF	J		
C64			CC73FCH1H390J	CHIP C	39PF	J		
C65			CC73FCH1H680J	CHIP C	68PF	J		
C66			CC73FCH1H390J	CHIP C	39PF	J		
C67			CC73FCH1H101J	CHIP C	100PF	J		
C68			CC73FCH1H680J	CHIP C	68PF	J		
C69			CC73FCH1H390J	CHIP C	39PF	J		
C70			CC73FCH1H070D	CHIP C	7PF	D		
C71			CC73FCH1H680J	CHIP C	68PF	J		
C72			CC73FCH1H220J	CHIP C	22PF	J		
C73			CC73FCH1H330J	CHIP C	33PF	J		
C74			CC73FSL1H121J	CHIP C	120PF	J		
C75			CC73FSL1H181J	CHIP C	180PF	J		
C76			CC73FSL1H121J	CHIP C	120PF	J		
C77 -79			CK73FB1E103K	CHIP C	0.01UF	K		
C80			C92-0040-05	ELECTRO	47UF	16WV		
C81 -84			CK73FB1E103K	CHIP C	0.01UF	K		
C85			CC73FSL1H181J	CHIP C	180PF	J		
C86 -89			CK73FB1E103K	CHIP C	0.01UF	K		
C90 ,91			CC73FCH1H0R5C	CHIP C	0.5PF	C		
C93			CC73FCH1H330J	CHIP C	33PF	J		
C94			CK73FB1H102K	CHIP C	1000PF	K		
C104			CK73FB1E103K	CHIP C	0.01UF	K		
C109			CC73FCH1H101J	CHIP C	100PF	J		
C110-113			CK73FB1E103K	CHIP C	0.01UF	K		
C114			CK73FB1H102K	CHIP C	1000PF	K		
C115-117			CK73FB1E103K	CHIP C	0.01UF	K		
C118			CC73FCH1H220J	CHIP C	22PF	J		
C119			C92-0040-05	ELECTRO	47UF	16WV		
C120			CK73FB1E223K	CHIP C	0.022UF	K		
C121			CC73FCH1H101J	CHIP C	100PF	J		
C122			CC73FSL1H221J	CHIP C	220PF	J		
C123			CK73FB1E103K	CHIP C	0.01UF	K		
C124			CC73FCH1H0R5C	CHIP C	0.5PF	C		
C125,126			CC73FCH1H270J	CHIP C	27PF	J		
C127			CC73FCH1H390J	CHIP C	39PF	J		
C129			CC73FCH1H390J	CHIP C	39PF	J		
C130			CC73FSL1H151J	CHIP C	150PF	J		
C131			CK73FB1E103K	CHIP C	0.01UF	K		
C132			CC73FCH1H050C	CHIP C	5PF	C		
C134			CK73FB1E103K	CHIP C	0.01UF	K		
C135			CC73FCH1H100D	CHIP C	10PF	D		
C136			CK73FB1E103K	CHIP C	0.01UF	K		
C138			CK73EB1E104K	CHIP C	0.10UF	K		
C139,140			CK73FB1E103K	CHIP C	0.01UF	K		
C141			CK73FB1H102K	CHIP C	1000PF	K		
C142			CC73FCH1H221J	CHIP C	220PF	J		
C143			CK73FB1E104K	CHIP C	0.10UF	K		
C145			CK73FB1H102K	CHIP C	1000PF	K		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Destination 仕向	Remarks 備考
C146,147			CC73FCH1H330J	CHIP C	33PF	J		
C148			C92-0037-05	ELECTRO	10UF	16WV		
C149,150			CK73FB1E103K	CHIP C	0.01UF	K		
C151			CE04EW1C101M	ELECTRO	100UF	16WV		
C152			CK73FB1H102K	CHIP C	1000PF	K		
C153			CK73FB1E103K	CHIP C	0.01UF	K		
C154,155			CK73FB1H102K	CHIP C	1000PF	K		
C156			CC73FCH1H070D	CHIP C	7PF	D		
C157			CC73FCH1H330J	CHIP C	33PF	J		
C158			CC73FCH1H680J	CHIP C	68PF	J		
C159			CK73FB1E103K	CHIP C	0.01UF	K		
C160			CK73FB1H102K	CHIP C	1000PF	K		
C163			CK73FB1H472K	CHIP C	4700PF	K		
C164			CK73FB1H102K	CHIP C	1000PF	K		
C165			CK73FB1E103K	CHIP C	0.01UF	K		
C166			CC73FCH1H330J	CHIP C	33PF	J		
C167			CC73FCH1H470J	CHIP C	47PF	J		
C168			CC73FCH1H060D	CHIP C	6PF	D		
C169			CC73FCH1H100D	CHIP C	10PF	D		
C170			CC73FCH1H080D	CHIP C	8PF	D		
C171			CC73FCH1H270J	CHIP C	27PF	J		
C172			CC73FCH1H010C	CHIP C	1PF	C		
C173			CK73FB1E103K	CHIP C	0.01UF	K		
C174			CC73FCH1H330J	CHIP C	33PF	J		
C175			CK73FB1E103K	CHIP C	0.01UF	K		
C176			CK73FB1H102K	CHIP C	1000PF	K		
C177			CC73FCH1H101J	CHIP C	100PF	J		
C178			CK73FB1E103K	CHIP C	0.01UF	K		
C179,180			CK73FB1H102K	CHIP C	1000PF	K		
C181			CE04EW1A221M	ELECTRO	220UF	10WV		
C182,183			CK73FB1E103K	CHIP C	0.01UF	K		
C184,185			C92-0004-05	ELECTRO	1.0UF	16WV		
C186			C92-0040-05	ELECTRO	47UF	16WV		
C187			CK73FB1E103K	CHIP C	0.01UF	K		
C188			CC73FCH1H101J	CHIP C	100PF	J		
C189			CK73FB1E103K	CHIP C	0.01UF	K		
C200			CK73FB1E103K	CHIP C	0.01UF	K		
C201			CC73FCH1H050C	CHIP C	5PF	C		
C202			CK73FB1E103K	CHIP C	0.01UF	K		
C203			CC73FCH1H470J	CHIP C	47PF	J		
C204			CK73FB1E103K	CHIP C	0.01UF	K		
C205			C92-0003-05	CHIP TAN	0.47UF	25WV		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C206-208			CK73FB1E103K	CHIP C 0.01UF K		
C209			CC73FCH1H470J	CHIP C 47PF J		
C210			CC73FCH1H100D	CHIP C 10PF D		
C211			CK73FB1E103K	CHIP C 0.01UF K		
C212			C92-0004-05	ELECTRO 1.0UF 16WV		
C213			CK73FB1E103K	CHIP C 0.01UF K		
C214			CK73FB1H102K	CHIP C 1000PF K		
C215			C92-0003-05	CHIP TAN 0.47UF 25WV		
C216,217			CK73FB1E103K	CHIP C 0.01UF K		
C226			CK73EF1C105Z	CHIP C 1.0UF Z		
C227			CK73FB1H472K	CHIP C 4700PF K		
C229,230			CK73FB1E103K	CHIP C 0.01UF K		
C231			C92-0009-05	CHIP TAN 4.7UF 10WV		
C232			CK73FF1C105Z	CHIP C 1.0UF Z		
C233			CK73FB1E103K	CHIP C 0.01UF K		
C234			CK73FB1H222K	CHIP C 2200PF K		
C235			CK73FF1C105Z	CHIP C 1.0UF Z		
C236			CK73FB1E103K	CHIP C 0.01UF K		
C237			C92-0009-05	CHIP TAN 4.7UF 10WV		
C238			CK73FB1E103K	CHIP C 0.01UF K		
C239			CE04EW1C101M	ELECTRO 100UF 16WV		
TC1			C05-0344-05	TRIMMER CAPACITOR		
CN1			E40-3248-05	PIN CONNECTOR (4P)		
CN2 -4			E04-0157-05	RF COAXIAL CABLE RECEPTACLE		
CN6 ,7		*	E40-5609-05	PIN CONNECTOR (11P)		
CN301		*	E40-5415-05	PIN CONNECTOR (11P)		
TP6			E23-0512-05	TERMINAL		
-		*	F10-2062-04	SHIELDING PLATE		
CF1		*	L72-0391-05	CERAMIC FILTER(10.7MHz)		
L1			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L2			L40-6882-48	SMALL FIXED INDUCTOR(0.68UH)		
L3			L40-1082-48	SMALL FIXED INDUCTOR(0.1UH)		
L4			L40-8272-48	SMALL FIXED INDUCTOR(82NH)		
L5			L40-5672-48	SMALL FIXED INDUCTOR(56NH)		
L9			L40-1001-48	SMALL FIXED INDUCTOR(10UH)		
L12 ,13			L40-2701-48	SMALL FIXED INDUCTOR(27UH)		
L14			L40-1801-48	SMALL FIXED INDUCTOR(18UH)		
L15 ,16			L40-2701-48	SMALL FIXED INDUCTOR(27UH)		
L17			L40-2201-48	SMALL FIXED INDUCTOR(22UH)		
L18			L40-1801-48	SMALL FIXED INDUCTOR(18UH)		
L19			L40-4792-48	SMALL FIXED INDUCTOR(4.7UH)		
L20			L40-1001-48	SMALL FIXED INDUCTOR(10UH)		
L21			L34-4222-05	COIL		
L22			L34-4029-05	COIL		
L23			L34-4222-05	COIL		
L27		*	L34-4334-05	COIL		
L28 ,29			L34-4222-05	COIL		
L32		*	L40-1501-48	SMALL FIXED INDUCTOR(15UH)		
L33			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L34			L40-4792-48	SMALL FIXED INDUCTOR(4.7UH)		
L36			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
L37			L40-2282-48	SMALL FIXED INDUCTOR(0.22UH)		
L38 ,39			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L40 ,41		*	L40-3991-48	SMALL FIXED INDUCTOR(3.9UH)		
L42		*	L40-1892-48	SMALL FIXED INDUCTOR(1.8UH)		
L43		*	L40-1592-48	SMALL FIXED INDUCTOR(1.5UH)		
L44			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L200			L40-1092-48	SMALL FIXED INDUCTOR(1UH)		
L201			L40-4701-48	SMALL FIXED INDUCTOR(47UH)		
L202,203		*	L34-0590-05	COIL		
L204			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L205			L33-0695-05	CHOKE COIL (1MH)		
X1		*	L77-1521-05	CRYSTAL RESONATOR (20MHz)		
R1			RK73FB2A331J	CHIP R 330 J 1/10W		
R2 -10			RK73FB2A101J	CHIP R 100 J 1/10W		
R11			RK73FB2A181J	CHIP R 180 J 1/10W		
R12			RK73FB2A330J	CHIP R 33 J 1/10W		
R13			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R14			RK73FB2A103J	CHIP R 10K J 1/10W		
R15			RK73FB2A100J	CHIP R 10 J 1/10W		
R16			RK73FB2A101J	CHIP R 100 J 1/10W		
R17			RK73FB2A221J	CHIP R 220 J 1/10W		
R18			RK73FB2A471J	CHIP R 470 J 1/10W		
R19			RK73FB2A100J	CHIP R 10 J 1/10W		
R20			RK73FB2A471J	CHIP R 470 J 1/10W		
R21			RK73FB2A330J	CHIP R 33 J 1/10W		
R22			RK73FB2A101J	CHIP R 100 J 1/10W		
R23			RK73FB2A223J	CHIP R 22K J 1/10W		
R24			RK73FB2A471J	CHIP R 470 J 1/10W		
R25			RK73FB2A103J	CHIP R 10K J 1/10W		
R27			RK73FB2A101J	CHIP R 100 J 1/10W		
R33			RK73FB2A470J	CHIP R 47 J 1/10W		
R34			RK73FB2A681J	CHIP R 680 J 1/10W		
R35			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R37			RK73FB2A184J	CHIP R 180K J 1/10W		
R38			RK73FB2A681J	CHIP R 680 J 1/10W		
R39			RK73FB2A103J	CHIP R 10K J 1/10W		
R40			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R42			RK73FB2A220J	CHIP R 22 J 1/10W		
R43			RK73FB2A331J	CHIP R 330 J 1/10W		
R44			RK73FB2A330J	CHIP R 33 J 1/10W		
R45			RK73FB2A101J	CHIP R 100 J 1/10W		
R46			RK73FB2A470J	CHIP R 47 J 1/10W		
R54			RK73FB2A101J	CHIP R 100 J 1/10W		
R55			RK73FB2A681J	CHIP R 680 J 1/10W		
R56			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R57 ,58			RK73FB2A101J	CHIP R 100 J 1/10W		
R59			RK73FB2A821J	CHIP R 820 J 1/10W		
R60			RK73FB2A334J	CHIP R 330K J 1/10W		
R61			RK73FB2A221J	CHIP R 220 J 1/10W		
R62 ,63			RK73FB2A101J	CHIP R 100 J 1/10W		
R64			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R65			RK73FB2A333J	CHIP R 33K J 1/10W		
R66			RK73FB2A221J	CHIP R 220 J 1/10W		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R67			RK73FB2A101J	CHIP R 100 J 1/10W		
R71			RK73FB2A103J	CHIP R 10K J 1/10W		
R72			RK73FB2A223J	CHIP R 22K J 1/10W		
R73			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R74			RK73FB2A101J	CHIP R 100 J 1/10W		
R75 ,76			RK73FB2A473J	CHIP R 47K J 1/10W		
R77			RK73FB2A101J	CHIP R 100 J 1/10W		
R79			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R80			RK73FB2A101J	CHIP R 100 J 1/10W		
R81			RK73FB2A681J	CHIP R 680 J 1/10W		
R82			RK73FB2A471J	CHIP R 470 J 1/10W		
R84			RK73FB2A101J	CHIP R 100 J 1/10W		
R90			RK73FB2A101J	CHIP R 100 J 1/10W		
R91			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R92			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R93			RK73FB2A470J	CHIP R 47 J 1/10W		
R94			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R95			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R96			RK73FB2A331J	CHIP R 330 J 1/10W		
R97			RK73FB2A180J	CHIP R 18 J 1/10W		
R98			RK73FB2A101J	CHIP R 100 J 1/10W		
R99			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R101,102			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R103			RK73FB2A101J	CHIP R 100 J 1/10W		
R104			RK73FB2A471J	CHIP R 470 J 1/10W		
R105			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R106			RK73FB2A821J	CHIP R 820 J 1/10W		
R107			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R108			RK73FB2A331J	CHIP R 330 J 1/10W		
R109			RK73FB2A101J	CHIP R 100 J 1/10W		
R110			RK73FB2A223J	CHIP R 22K J 1/10W		
R111			RK73FB2A183J	CHIP R 18K J 1/10W		
R112			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R113			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R114			RK73FB2A683J	CHIP R 68K J 1/10W		
R115			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R116			RK73FB2A151J	CHIP R 150 J 1/10W		
R117			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R118			RK73FB2A101J	CHIP R 100 J 1/10W		
R200			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R201			RK73FB2A221J	CHIP R 220 J 1/10W		
R202			RK73FB2A103J	CHIP R 10K J 1/10W		
R203			RK73FB2A223J	CHIP R 22K J 1/10W		
R204			RK73FB2A333J	CHIP R 33K J 1/10W		
R205			RK73FB2A683J	CHIP R 68K J 1/10W		
R206,207			RK73FB2A103J	CHIP R 10K J 1/10W		
R208			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R209			RK73FB2A221J	CHIP R 220 J 1/10W		
R210			RK73FB2A103J	CHIP R 10K J 1/10W		
R211			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R212			RK73FB2A563J	CHIP R 56K J 1/10W		
R213			RK73FB2A101J	CHIP R 100 J 1/10W		
R214			RK73FB2A681J	CHIP R 680 J 1/10W		
R215			RK73FB2A333J	CHIP R 33K J 1/10W		
R216,217			RK73FB2A152J	CHIP R 1.5K J 1/10W		

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PLL UNIT (X50-3190-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R218			RK73FB2A223J	CHIP R 22K J 1/10W		
R220			RK73FB2A101J	CHIP R 100 J 1/10W		
R221,222			RK73FB2A103J	CHIP R 10K J 1/10W		
R223,224			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R225			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R226			RK73FB2A101J	CHIP R 100 J 1/10W		
R227			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R228			RK73FB2A561J	CHIP R 560 J 1/10W		
R229			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R230			RK73FB2A103J	CHIP R 10K J 1/10W		
R231			RK73FB2A563J	CHIP R 56K J 1/10W		
R232			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R233			RK73FB2A681J	CHIP R 680 J 1/10W		
R234			RK73FB2A103J	CHIP R 10K J 1/10W		
VR1 ,2			R12-3132-05	TRIM POT. 47K		
VR3			R12-6717-05	TRIM POT 47K		
VR301		*	R24-3410-05	POTENTIOMETER 10Kx2,50KB(AF/SQ		
VR302		*	R23-3408-15	POTENTIOMETER 10KBx2(RIT/IF)		
W1 ,2			R92-1061-05	JUMPER REST 0 OHM		
D1			1SS184	DIODE		
D2		*	B30-2004-05	LED		
D3			1SS226	DIODE		
D200			HSM88AS	DIODE		
IC2			UPD74HC390G	IC(DUAL DECADE COUNTER)		
IC3			SN76514N	IC(MIXER)		
IC4 ,5			SN16913P	IC(DUBLE BALANCED MIXERS)		
IC7			SN16913P	IC(DUBLE BALANCED MIXERS)		
IC8			TC7S04F	IC(2CH NAND GATE)		
IC10		*	KCH14	IC		
IC11			CXD1225M	IC		
IC201			KCA04	IC(MIC AMPLIFIER)		
Q1			DTC114TK	DIGITAL TRANSISTOR		
Q2 ,3			2SC2714(Y)	TRANSISTOR		
Q5			2SC2712(Y)	TRANSISTOR		
Q9		*	RU201	TRANSISTOR		
Q10 -13			2SC2714(Y)	TRANSISTOR		
Q14			2SC2996(Y)	TRANSISTOR		
Q16			2SC2712(Y)	TRANSISTOR		
Q17			2SD1757K	TRANSISTOR		
Q18			2SC2954	TRANSISTOR		
Q19			2SC2712(Y)	TRANSISTOR		
Q20			2SC2714(Y)	TRANSISTOR		
Q21 -23			2SC3722K(R)	TRANSISTOR		
Q200-203			2SC2714(Y)	TRANSISTOR		
Q204,205			2SC2712(Y)	TRANSISTOR		
Q206			DTA114EK	DIGITAL TRANSISTOR		
Q207			DTC114EK	DIGITAL TRANSISTOR		
Q209			DTC114EK	DIGITAL TRANSISTOR		
Q210			2SC2712(Y)	TRANSISTOR		
Q211			DTC114EK	DIGITAL TRANSISTOR		
Z1	-	*	X58-4010-00	SUB UNIT (LO1)		
Z2 ,3	-	*	X58-4020-00	SUB UNIT (DDS)		

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FILTER UNIT (X51-312X-XX)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Destination 仕向	Remarks 備考
FILTER UNIT (X51-312X-XX) 0-00 : K, M, M2, X, P 2-71 : E, E2, E3								
C1			CC73FCH1H680J	CHIP C	68PF	J		
C2			CC73FCH1H121J	CHIP C	120PF	J		
C3			CC73FCH1H560J	CHIP C	56PF	J		
C4			CC73FSL1H221J	CHIP C	220PF	J		
C5			CC45CH2H030C	CERAMIC	3PF	C		
C6			CC73FCH1H560J	CHIP C	56PF	J		
C7			CC73FCH1H101J	CHIP C	100PF	J		
C8			CC73FSL1H221J	CHIP C	220PF	J		
C9			CK73FB1E103K	CHIP C	0.01UF	K		
C10			CK73FB1H102K	CHIP C	1000PF	K		
C11			CK73FB1E104K	CHIP C	0.10UF	K		
C12			CK73FB1H102K	CHIP C	1000PF	K		
C14			CK73FB1E103K	CHIP C	0.01UF	K		
C15 -17			CK73FB1H102K	CHIP C	1000PF	K		
C101			CM93D2H222J	MICA	2200PF	J		
C102			CC45SL2H471J	CERAMIC	470PF	J		
C103			CM93D2H222J	MICA	2200PF	J		
C105			CC45SL2H3Q1J	CERAMIC	300PF	J		
C106			CM93D2H152J	MICA	1500PF	J		
C201			CC45SL2H561J	CERAMIC	560PF	J		
C202			CC45SL2H301J	CERAMIC	300PF	J		
C203, 204			CC45SL2H431J	CERAMIC	430PF	J		
C205			CC45SL2H121J	CERAMIC	120PF	J		
C206			CC45SL2H301J	CERAMIC	300PF	J		
C207			CC45SL2H121J	CERAMIC	120PF	J		
C301			CC45SL2H221J	CERAMIC	220PF	J		
C302			CC45SL2H151J	CERAMIC	150PF	J		
C303			CC45SL2H271J	CERAMIC	270PF	J		
C304			CC45SL2H331J	CERAMIC	330PF	J	EE2E3	
C304			CC45SL2H331J	CERAMIC	330PF	J	KMM2XP	
C305			CC45SL2H560J	CERAMIC	56PF	J		
C306			CC45SL2H331J	CERAMIC	330PF	J	EE2E3	
C306			CC45SL2H331J	CERAMIC	330PF	J	KMM2XP	
C401			CC45SL2H151J	CERAMIC	150PF	J		
C402			CC45SL2H270J	CERAMIC	27PF	J		
C403			CC45SL2H331J	CERAMIC	330PF	J	EE2E3	
C403			CC45SL2H331J	CERAMIC	330PF	J	KMM2XP	
C405			CC45SL2H121J	CERAMIC	120PF	J		
C406			CC45SL2H181J	CERAMIC	180PF	J		
C407			CC45SL2H220J	CERAMIC	22PF	J		
C408			CC45SL2H680J	CERAMIC	68PF	J	EE2E3	
C409			CC45SL2H331J	CERAMIC	330PF	J	EE2E3	
C501			CC45SL2H121J	CERAMIC	120PF	J		
C502			CC45SL2H150J	CERAMIC	15PF	J		
C503			CC45SL2H221J	CERAMIC	220PF	J		
C505			CC45SL2H470J	CERAMIC	47PF	J		
C506			CC45SL2H101J	CERAMIC	100PF	J		
C601			CC45SL2H470J	CERAMIC	47PF	J		
C602			CC45SL2H120J	CERAMIC	12PF	J		
C603			CC45SL2H121J	CERAMIC	120PF	J		
C604			CC45SL2H430J	CERAMIC	43PF	J		
C605			CC45SL2H180J	CERAMIC	18PF	J		
C606			CC45SL2H330J	CERAMIC	33PF	J		

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FILTER UNIT (X51-312X-XX)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C607			CC45SL2H100D	CERAMIC 10PF D		
C701-712			CK73FB1E103K	CHIP C 0.01UF K		
TC1			C05-0030-15	TRIM CAP 20PF		
CN1			E04-0159-05	RF COAXIAL CABLE RECEPTACLE		
CN2			E40-3248-05	PIN CONNECTOR (4P)		
CN3		*	E40-5604-05	PIN CONNECTOR (11P)		
CN4		*	E40-5605-05	PIN CONNECTOR (12P)		
CN5			E04-0159-05	RF COAXIAL CABLE RECEPTACLE		
CN6			E40-3247-05	PIN CONNECTOR (3P)		
J1		*	E11-0454-05	PHONE JACK		
TP1			E23-0512-05	TERMINAL		
W1	1F	*	E37-0368-05	CONNECTING WIRE		
W2 ,3	-		R92-1061-05	JUMPER REST 0 OHM		
W4	-		E31-1448-05	INSIDE CONNECTING WIRE	KMM2X	
F1	1F		F06-4029-05	FUSE		
A1 ,2	-		J13-0075-05	FUSE HOLDER		
L1 ,2		*	L34-1391-05	COIL (12.5T)		
L3 ,4		*	L40-2221-33	SMALL FIXED INDUCTOR(2.2MH)		
L5		*	L39-0480-15	TOROIDAL COIL		
L6 ,7			L40-1001-48	SMALL FIXED INDUCTOR(10UH)		
L101		*	L39-1226-05	TOROIDAL COIL		
L102		*	L39-1227-05	TOROIDAL COIL		
L201		*	L39-1224-05	TOROIDAL COIL		
L202		*	L39-1225-05	TOROIDAL COIL		
L301		*	L39-1222-05	TOROIDAL COIL		
L302		*	L39-1223-05	TOROIDAL COIL		
L401		*	L39-1221-05	TOROIDAL COIL		
L402		*	L39-1220-05	TOROIDAL COIL		
L403			L39-1208-05	TOROIDAL COIL	EE2E3	
L501			L34-1279-05	COIL (7.5T)		
L502			L34-1280-05	COIL (6.5T)		
L601			L34-1281-05	COIL (5.5T)		
L602			L34-1282-05	COIL (4.5T)		
T101-106			L92-0107-05	CORE		
T107,108			L92-0108-05	CORE		
T109			L92-0108-05	CORE	EE2E3	
R1		*	R92-1244-05	CHIP R 27 J 1/4W		
R2		*	R92-0696-05	CHIP R 33 J 1/4		
R3			RK73FB2A100J	CHIP R 10 J 1/10W		
R5 -8			RK73FB2A221J	CHIP R 220 J 1/10W		
VR1			R12-6730-05	TRIM POT. 220		
K1			S51-1429-05	RELAY		
K101-112			S51-1420-05	RELAY		
D1			DSA301LA	DIODE		
D2			LFB01	DIODE		
D3 ,4			1SS101	DIODE		
D101-106			LFB01	DIODE		
IC1		*	UPD6345GS	IC		
Q1			FMC2	TRANSISTOR		
Q2 -4			FMA1	TRANSISTOR		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
TX-RX UNIT (X57-4220-11)						
C1 ,2			CK73FB1E103K	CHIP C 0.01UF K		
C3			CC73GCH1H470J	CHIP C 47PF J		
C4			CC73GCH1H070D	CHIP C 7PF D		
C5			CC73GCH1H121J	CHIP C 120PF J		
C6			CC73GCH1H180J	CHIP C 18PF J		
C7			CC73GCH1H390J	CHIP C 39PF J		
C8			CK73FB1E104K	CHIP C 0.10UF K		
C9			CK73FF1C105Z	CHIP C 1.0UF Z		
C10			CK73EB1H104K	CHIP C 0.10UF K		
C11 ,12			CK73FB1E103K	CHIP C 0.01UF K		
C13			CK73FB1E104K	CHIP C 0.10UF K		
C14 ,15			CK73FB1H272K	CHIP C 2700PF K		
C16			CK73FB1H392K	CHIP C 3900PF K		
C17			CC73GCH1H151J	CHIP C 150PF J		
C18			CC73GCH1H180J	CHIP C 18PF J		
C19			CC73GCH1H680J	CHIP C 68PF J		
C20			CK73FB1E104K	CHIP C 0.10UF K		
C21			CK73GB1H102K	CHIP C 1000PF K		
C22 -24			CK73FB1E104K	CHIP C 0.10UF K		
C25			CK73GB1E103K	CHIP C 0.010UF K		
C26			CK73FB1E104K	CHIP C 0.10UF K		
C27			CC73FCH1H220J	CHIP C 22PF J		
C28			CC73FSL1H471J	CHIP C 47PF J		
C29			CK73FB1E104K	CHIP C 0.10UF K		
C30			CK73GB1E103K	CHIP C 0.010UF K		
C31			CK73FB1E104K	CHIP C 0.10UF K		
C32			CK73GB1E103K	CHIP C 0.010UF K		
C33 -35			CK73FB1E104K	CHIP C 0.10UF K		
C36			CK73GB1E103K	CHIP C 0.010UF K		
C37			CK73GB1H471K	CHIP C 470PF K		
C38 ,39			CK73FB1E103K	CHIP C 0.01UF K		
C40			CK73GB1E103K	CHIP C 0.010UF K		
C41			CK73GB1H471K	CHIP C 470PF K		
C42			CK73FB1E103K	CHIP C 0.01UF K		
C43			CC73GCH1H100D	CHIP C 10PF D		
C44			CK73FF1C105Z	CHIP C 1.0UF Z		
C45			CC73FCH1H020C	CHIP C 2.0PF C		
C46			CC73FCH1H030C	CHIP C 3PF C		
C47			CC73FCH1H010C	CHIP C 1PF C		
C48			CC73FCH1H101J	CHIP C 100PF J		
C49			CK73FB1E104K	CHIP C 0.10UF K		
C50 ,51			CK73FB1E103K	CHIP C 0.01UF K		
C53			CK73GB1H102K	CHIP C 1000PF K		
C54			CC73FCH1H060D	CHIP C 6PF D		
C55			CC73FCH1H010C	CHIP C 1PF C		
C56			CK73GB1E103K	CHIP C 0.010UF K		
C57			CC73FCH1H240J	CHIP C 24PF J		
C58 ,59			CK73GB1E103K	CHIP C 0.010UF K		
C60			CK73FB1E103K	CHIP C 0.01UF K		
C62			CK73GB1E103K	CHIP C 0.010UF K		
C63 ,64			CK73FB1E103K	CHIP C 0.01UF K		
C65			CC73GCH1H020C	CHIP C 2.0PF C		
C66 ,67			CK73FB1E103K	CHIP C 0.01UF K		

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TX-RX UNIT (X57-4220-11)

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C68			CK73FB1E104K	CHIP C 0.10UF K		
C69 ,70			CK73FB1E103K	CHIP C 0.01UF K		
C71			CC73FCH1H220J	CHIP C 22PF J		
C72 -74			CK73FB1E103K	CHIP C 0.01UF K		
C75			CK73GB1E103K	CHIP C 0.010UF K		
C76 -81			CK73FB1E103K	CHIP C 0.01UF K		
C82			CK73FB1H102K	CHIP C 1000PF K		
C83			CK73FB1E103K	CHIP C 0.01UF K		
C84			CC73FCH1H470J	CHIP C 47PF J		
C85			CC73FCH1H270J	CHIP C 27PF J		
C86			CK73FB1E103K	CHIP C 0.01UF K		
C87			C92-0009-05	CHIP TAN 4.7UF 10WV		
C88			CK73FB1E104K	CHIP C 0.10UF K		
C89			C92-0003-05	CHIP TAN 0.47UF 25WV		
C90			CK73FB1E104K	CHIP C 0.10UF K		
C91			CK73GB1E103K	CHIP C 0.010UF K		
C92			CK73FB1E103K	CHIP C 0.01UF K		
C93			CK73FF1C105Z	CHIP C 1.0UF Z		
C94			CK73FB1E104K	CHIP C 0.10UF K		
C95			CK73FF1C105Z	CHIP C 1.0UF Z		
C96			CK73FB1H472K	CHIP C 4700PF K		
C97 -100			CK73GB1E103K	CHIP C 0.010UF K		
C101			CC73FCH1H470J	CHIP C 47PF J		
C102			CK73FB1E103K	CHIP C 0.01UF K		
C103,104			C92-0003-05	CHIP TAN 0.47UF 25WV		
C105			C92-0509-05	TANTAL 10UF 6.3WV		
C106			C92-0004-05	ELECTRO 1.0UF 16WV		
C107,108			C92-0507-05	CHIP TAN 4.7UF 6.3WV		
C109			C92-0002-05	CHIP TAN 0.22UF 35WV		
C110			CK73FB1E223K	CHIP C 0.022UF K		
C111			CK73FB1E473K	CHIP C 0.047UF K		
C112			CK73FB1E103K	CHIP C 0.01UF K		
C113			CK73FB1H392K	CHIP C 3900PF K		
C114			CK73FB1E104K	CHIP C 0.10UF K		
C115			C92-0038-05	ELECTRO 22UF 16WV		
C116			C92-0041-05	ELECTRO 10UF 10WV		
C117-118			CK73FB1E104K	CHIP C 0.10UF K		
C119			CC73FSL1H471J	CHIP C 47PF J		
C120			CK73FB1H102K	CHIP C 1000PF K		
C121,122			C92-0040-05	ELECTRO 47UF 16WV		
C123			C90-2153-05	ELECTRO 470UF 10WV		
C124			CK73FB1E104K	CHIP C 0.10UF K		
C125			C92-0040-05	ELECTRO 47UF 16WV		
C126			C92-0038-05	ELECTRO 22UF 16WV		
C127			CE04EW1C331M	ELECTRO 330UF 16WV		
C128			CK73GB1H102K	CHIP C 1000PF K		
C129,130			CC73FCH1H101J	CHIP C 100PF J		
C131			C92-0009-05	CHIP TAN 4.7UF 10WV		
C132			C92-0007-05	CHIP TAN 2.2UF 10WV		
C133			C92-0009-05	CHIP TAN 4.7UF 10WV		
C134,135			CK73FF1C105Z	CHIP C 1.0UF Z		
C136			C92-0007-05	CHIP TAN 2.2UF 10WV		
C137			CK73FF1C105Z	CHIP C 1.0UF Z		
C138			C92-0009-05	CHIP TAN 4.7UF 10WV		
C139			CK73FF1C105Z	CHIP C 1.0UF Z		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C140			C92-0509-05	TANTAL 10UF 6.3WV		
C141,142			CK73FF1C105Z	CHIP C 1.0UF Z		
C143			C92-0507-05	CHIP TAN 4.7UF 6.3WV		
C144			CC73FCH1H050C	CHIP C 5PF C		
C145-147			CK73FB1E103K	CHIP C 0.01UF K		
C148			C92-0038-05	ELECTRO 22UF 16WV		
C149			CK73GB1E103K	CHIP C 0.010UF K		
C150-152			CK73FB1E103K	CHIP C 0.01UF K		
C153,154			CK73GB1E103K	CHIP C 0.010UF K		
C155-157			CK73FB1E103K	CHIP C 0.01UF K		
C158			CK73GB1E103K	CHIP C 0.010UF K		
C159			CC73FCH1H050C	CHIP C 5PF C		
C160			CK73GB1E103K	CHIP C 0.010UF K		
C161			CC73FCH1H200J	CHIP C 20PF J		
C162,163			CK73GB1E103K	CHIP C 0.010UF K		
C164,165			CK73FB1E103K	CHIP C 0.01UF K		
C166			CC73FCH1H010C	CHIP C 1PF C		
C167			CC73FCH1H0R5C	CHIP C 0.5PF C		
C168			CC73FCH1H010C	CHIP C 1PF C		
C169,170			CK73GB1E103K	CHIP C 0.010UF K		
C171			CK73FB1E103K	CHIP C 0.01UF K		
C172-175			CK73GB1E103K	CHIP C 0.010UF K		
C176			CK73FB1E104K	CHIP C 0.10UF K		
C179			CK73FB1E104K	CHIP C 0.10UF K		
C181			CK73FB1E104K	CHIP C 0.10UF K		
C182			C92-0037-05	ELECTRO 10UF 16WV		
C183-186			CK73FB1E104K	CHIP C 0.10UF K		
C187			C92-0037-05	ELECTRO 10UF 16WV		
C188-190			CK73FB1E104K	CHIP C 0.10UF K		
C191			CK73GB1E103K	CHIP C 0.010UF K		
C192,193			CK73FB1H222K	CHIP C 2200PF K		
C194			C92-0040-05	ELECTRO 47UF 16WV		
C195			CK73FB1E103K	CHIP C 0.01UF K		
C196,197			C92-0040-05	ELECTRO 47UF 16WV		
C198			CK73FB1E103K	CHIP C 0.01UF K		
C199			C92-0047-05	ELECTRO 47UF 6.3WV		
C200			CK73FB1E103K	CHIP C 0.01UF K		
C201			CE04EW1C101M	ELECTRO 100UF 16WV		
C202			CK73FB1E104K	CHIP C 0.10UF K		
C203-205			CK73FB1E103K	CHIP C 0.01UF K		
C206-210			CC73GCH1H470J	CHIP C 47PF J		
C211,212			CK73FB1E103K	CHIP C 0.01UF K		
C213			CC73GCH1H060D	CHIP C 6PF D		
C214			CC73GCH1H680J	CHIP C 68PF J		
C215			CK73GB1H102K	CHIP C 1000PF K		
C216			CK73FB1E473K	CHIP C 0.047UF K		
C217			CK73FF1C105Z	CHIP C 1.0UF Z		
C218			CK73FB1E223K	CHIP C 0.022UF K		
C219			C92-0004-05	ELECTRO 1.0UF 16WV		
C220,221			CK73FB1E103K	CHIP C 0.01UF K		
C222-225			CC73FUJ1H080D	CHIP C 8PF D		
C226			CK73GB1H102K	CHIP C 1000PF K		
C227,228			CC73FCH1H020C	CHIP C 2.0PF C		
C229			C92-0040-05	ELECTRO 47UF 16WV		
C230			C92-0004-05	ELECTRO 1.0UF 16WV		

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TX-RX UNIT (X57-4220-11)

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C231			CK73GB1H102K	CHIP C 1000PF K		
C232			CE04EW1E4R7M	ELECTRO 4.7UF 25WV		
C234-239			CK73FB1E102K	CHIP C 1000PF K		
C240			CK73FB1H122K	CHIP C 1200PF K		
C241			CC73FCH1H270J	CHIP C 27PF J		
A1	-	*	E23-0918-04	TERMINAL		
CN1 -3			E04-0154-05	RF COAXIAL CABLE RECEPTACLE		
CN4			E40-3247-05	PIN CONNECTOR (3P)		
CN5 ,6			E04-0154-05	RF COAXIAL CABLE RECEPTACLE		
CN7		*	E40-5608-05	PIN CONNECTOR (5P)		
CN8		*	E40-5607-05	PIN CONNECTOR (4P)		
CN9		*	E40-5608-05	PIN CONNECTOR (5P)		
CN10			E40-3248-05	PIN CONNECTOR (4P)		
CN11			E04-0154-05	RF COAXIAL CABLE RECEPTACLE		
CN12			E40-3237-05	PIN CONNECTOR (2P)		
CN13			E40-3247-05	PIN CONNECTOR (3P)		
CN14			E40-3246-05	PIN CONNECTOR (2P)		
CN15			E40-3249-05	PIN CONNECTOR (5P)		
CN16			E40-3254-05	PIN CONNECTOR (10P)		
CN17		*	E40-5233-05	PIN CONNECTOR (25P)		
CN18			E40-3250-05	PIN CONNECTOR (6P)		
CN19			E04-0154-05	RF COAXIAL CABLE RECEPTACLE		
CN20		*	E40-5606-05	PIN CONNECTOR (3P)		
TP1 ,2			E40-0211-05	PIN CONNECTOR (2P)		
TP3			E23-0512-05	TERMINAL		
W1	-		E37-0179-05	PIN CONNECTOR		
W2	-	*	E37-0373-05	CONNECTING WIRE		
F1	-	*	F53-0055-05	FUSE (2A)		
-			J30-0545-05	SPACER(XF1)		
CD1			L79-1013-05	DISCRI (455KHz)		
CF1			L72-0372-05	CERAMIC FILTER (455KHz)		
L1			L40-2211-48	SMALL FIXED INDUCTOR (220UH)		
L2 ,3			L40-2782-48	SMALL FIXED INDUCTOR (0.27UH)		
L4 -6			L33-0695-05	CHOKE COIL (1MH)		
L7		*	L40-5692-48	SMALL FIXED INDUCTOR (5.6UH)		
L8 ,9			L40-2782-48	SMALL FIXED INDUCTOR (0.27UH)		
L10			L33-0695-05	CHOKE COIL (1MH)		
L11			L19-0324-05	TRANSFORMER		
L12			L39-0454-05	TOROIDAL COIL		
L13			L40-4701-48	SMALL FIXED INDUCTOR (47UH)		
L14			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L15			L34-4222-05	COIL		
L16		*	L34-4332-05	COIL		
L17		*	L34-4331-05	COIL		
L18			L19-0324-05	TRANSFORMER		
L19			L40-3392-48	SMALL FIXED INDUCTOR (3.3UH)		
L20			L19-0324-05	TRANSFORMER		
L21			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L22			L39-0454-05	TOROIDAL COIL		
L23			L40-4701-48	SMALL FIXED INDUCTOR (47UH)		
L24			L34-4209-05	COIL		
L25		*	L34-4330-05	COIL		
L26		*	L34-4216-05	COIL		

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TX-RX UNIT (X57-4220-11)

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L27			L40-1082-48	SMALL FIXED INDUCTOR (0.1UH)		
L28		*	L34-4328-05	COIL		
L29 -32			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L33 ,34		*	L40-8295-48	SMALL FIXED INDUCTOR (8.2UH)		
L35 -37			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L38		*	L34-4327-05	COIL		
L39		*	L34-4326-05	COIL		
L40		*	L34-4329-05	COIL		
L41 -43			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L44 -46		*	L34-4333-05	COIL		
L47			L39-0454-05	COIL		
L48		*	L34-4333-05	COIL		
L49 ,50			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L51			L19-0324-05	TRANSFORMER		
L53			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L54			L40-1001-48	SMALL FIXED INDUCTOR (10UH)		
L55			L19-0324-05	TRANSFORMER		
L56			L40-1011-48	SMALL FIXED INDUCTOR (100UH)		
L57			L40-1021-13	SMALL FIXED INDUCTOR (1MH)		
L58			L33-0695-05	CHOKE COIL		
L64			L40-4701-48	SMALL FIXED INDUCTOR (47UH)		
X1			L77-0720-05	CRYSTAL RESONATOR (10.24MHZ)		
XF1		*	L71-0432-05	CRYSTAL FILTER (72.045MHZ)		
XF2			L71-0230-05	CRYSTAL FILTER (10.695MHZ)		
R1			RK73FB2A560J	CHIP R 56 J 1/10W		
R2			RK73EB2B471J	CHIP R 470 J 1/8W		
R3			RK73FB2A181J	CHIP R 180 J 1/10W		
R4			RK73FB2A101J	CHIP R 100 J 1/10W		
R5			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R6			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R7			RK73FB2A151J	CHIP R 150 J 1/10W		
R8			RK73FB2A471J	CHIP R 470 J 1/10W		
R9 ,10			RK73GB1J681J	CHIP R 680 J 1/16W		
R11 -14			RK73FB2A100J	CHIP R 10 J 1/10W		
R15			RK73FB2A271J	CHIP R 270 J 1/10W		
R16			RK73FB2A100J	CHIP R 10 J 1/10W		
R17			RK73FB2A221J	CHIP R 220 J 1/10W		
R18			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R19			RK73FB2A101J	CHIP R 100 J 1/10W		
R20			RK73FB2A220J	CHIP R 22 J 1/10W		
R21			RK73FB2A470J	CHIP R 47 J 1/10W		
R22			RK73FB2A391J	CHIP R 390 J 1/10W		
R23			RK73FB2A560J	CHIP R 56 J 1/10W		
R24			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R25			RK73FB2A471J	CHIP R 470 J 1/10W		
R26			RK73FB2A220J	CHIP R 22 J 1/10W		
R27			RK73FB2A150J	CHIP R 150 J 1/10W		
R28			RK73FB2A680J	CHIP R 68 J 1/10W		
R29			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R30			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R31			RK73GB1J474J	CHIP R 470K J 1/16W		
R32			RK73FB2A273J	CHIP R 27K J 1/10W		
R33			RK73FB2A471J	CHIP R 470 J 1/10W		
R34			RK73FB2A104J	CHIP R 100K J 1/10W		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R35			RK73GB1J101J	CHIP R 100 J 1/16W		
R37			R92-0679-05	CHIP R 0 OHM		
R39			RK73GB1J103J	CHIP R 10K J 1/16W		
R40			RK73GB1J681J	CHIP R 680 J 1/16W		
R41 ,42			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R43			R92-0670-05	CHIP R 0 OHM		
R44			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R45			R92-0670-05	CHIP R 0 OHM		
R46 ,47			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R48			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R49			RK73FB2A101J	CHIP R 100 J 1/10W		
R50			RK73GB1J101J	CHIP R 100 J 1/16W		
R51			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R52			RK73GB1J101J	CHIP R 100 J 1/16W		
R53			RK73GB1J103J	CHIP R 10K J 1/16W		
R54			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R55			RK73GB1J101J	CHIP R 100 J 1/16W		
R56			RK73FB2A333J	CHIP R 33K J 1/10W		
R57			RK73FB2A104J	CHIP R 100K J 1/10W		
R58			RK73FB2A223J	CHIP R 22K J 1/10W		
R59			RK73FB2A471J	CHIP R 470 J 1/10W		
R60			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R61			RK73FB2A103J	CHIP R 10K J 1/10W		
R62			RK73GB1J101J	CHIP R 100 J 1/16W		
R63			RK73GB1J103J	CHIP R 10K J 1/16W		
R64 -66			RK73GB1J101J	CHIP R 100 J 1/16W		
R67			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R68 -70			RK73FB2A101J	CHIP R 100 J 1/10W		
R71			RK73FB2A104J	CHIP R 100K J 1/10W		
R72			RK73GB1J471J	CHIP R 470 J 1/16W		
R73			RK73FB2A221J	CHIP R 220 J 1/10W		
R74			RK73FB2A224J	CHIP R 220K J 1/10W		
R75			RK73FB2A103J	CHIP R 10K J 1/10W		
R76			RK73GB1J820J	CHIP R 82 J 1/16W		
R77			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R78			RK73FB2A104J	CHIP R 100K J 1/10W		
R79			RK73GB1J104J	CHIP R 100K J 1/16W		
R80			RK73FB2A103J	CHIP R 10K J 1/10W		
R81			RK73GB1J101J	CHIP R 100 J 1/16W		
R82 ,83			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R84			RK73FB2A273J	CHIP R 27K J 1/10W		
R85			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R86			RK73FB2A473J	CHIP R 47K J 1/10W		
R87			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R88			RK73FB2A103J	CHIP R 10K J 1/10W		
R89 ,90			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R91			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R92			RK73GB1J103J	CHIP R 10K J 1/16W		
R93			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R94			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R95			RK73GB1J153J	CHIP R 15K J 1/16W		
R96			RK73FB2A335J	CHIP R 3.3M J 1/10W		
R97			RK73FB2A123J	CHIP R 12K J 1/10W		
R98			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R99			RK73GB1J123J	CHIP R 12K J 1/16W		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R100			RK73FB2A473J	CHIP R 47K J 1/10W		
R101			RK73GB1J473J	CHIP R 47K J 1/16W		
R102			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R103			RK73FB2A474J	CHIP R 470K J 1/10W		
R104			RK73GB1J103J	CHIP R 10K J 1/16W		
R105			RK73FB2A103J	CHIP R 10K J 1/10W		
R106			RK73GB1J331J	CHIP R 330 J 1/16W		
R107			RK73FB2A393J	CHIP R 39K J 1/10W		
R108			RK73FB2A104J	CHIP R 100K J 1/10W		
R109			RK73FB2A823J	CHIP R 82K J 1/10W		
R110			RK73FB2A273J	CHIP R 27K J 1/10W		
R111			RK73GB1J104J	CHIP R 100K J 1/16W		
R112			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R113			RK73GB1J473J	CHIP R 47K J 1/16W		
R114			RK73GB1J273J	CHIP R 27K J 1/16W		
R115			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R116			RK73GB1J271J	CHIP R 270 J 1/16W		
R117			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R118			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R119			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R120			RK73FB2A473J	CHIP R 47K J 1/10W		
R121			RK73GB1J101J	CHIP R 100 J 1/16W		
R122			RK73FB2A104J	CHIP R 100K J 1/10W		
R123			RK73GB1J331J	CHIP R 330 J 1/16W		
R124			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R125			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R126			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R127			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R128			RK73GB1J471J	CHIP R 470 J 1/16W		
R129			RK73GB1J104J	CHIP R 100K J 1/16W		
R130			RK73FB2A223J	CHIP R 22K J 1/10W		
R131			RK73GB1J101J	CHIP R 100 J 1/16W		
R132			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R133			RK73FB2A151J	CHIP R 150 J 1/10W		
R134			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R135			RK73GB1J101J	CHIP R 100 J 1/16W		
R136			RK73GB1J104J	CHIP R 100K J 1/16W		
R137			RK73FB2A473J	CHIP R 47K J 1/10W		
R138			RK73FB2A471J	CHIP R 470 J 1/10W		
R139			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R140			RK73FB2A151J	CHIP R 150 J 1/10W		
R141,142			RK73GB1J471J	CHIP R 470 J 1/16W		
R143			RK73GB1J101J	CHIP R 100 J 1/16W		
R144			RK73FB2A184J	CHIP R 180K J 1/10W		
R145			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R146			RK73FB2A224J	CHIP R 220K J 1/10W		
R147			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R148			RK73GB1J224J	CHIP R 220K J 1/16W		
R149			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R150			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R151			RK73GB1J331J	CHIP R 330 J 1/16W		
R152			RK73GB1J101J	CHIP R 100 J 1/16W		
R153			RK73FB2A221J	CHIP R 220 J 1/10W		
R154			RK73FB2A224J	CHIP R 220K J 1/10W		
R155			R92-0670-05	CHIP R 0 OHM		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R156			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R157			RK73GB1J101J	CHIP R 100 J 1/16W		
R158			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R159			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R160			RK73GB1J561J	CHIP R 560 J 1/16W		
R161			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R162,163			RK73FB2A223J	CHIP R 22K J 1/10W		
R164			RK73FB2A331J	CHIP R 330 J 1/10W		
R165			RK73GB1J103J	CHIP R 10K J 1/16W		
R166			RK73FB2A101J	CHIP R 100 J 1/10W		
R167			RK73GB1J101J	CHIP R 100 J 1/16W		
R168			RK73FB2A333J	CHIP R 33K J 1/10W		
R169			RK73GB1J271J	CHIP R 270 J 1/16W		
R170			RK73GB1J470J	CHIP R 47 J 1/16W		
R171			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R172			RK73GB1J823J	CHIP R 82K J 1/16W		
R173			RK73GB1J103J	CHIP R 10K J 1/16W		
R174			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R175-178			RK73FB2A330J	CHIP R 33 J 1/10W		
R179,180			RK73GB1J471J	CHIP R 470 J 1/16W		
R181,182			RK73FB2A101J	CHIP R 100 J 1/10W		
R183			RK73FB2A390J	CHIP R 39 J 1/10W		
R184			RK73FB2A101J	CHIP R 100 J 1/10W		
R185			RK73GB1J473J	CHIP R 47K J 1/16W		
R186-189			RK73FB2A330J	CHIP R 33 J 1/10W		
R190			RK73GB1J273J	CHIP R 27K J 1/16W		
R191			RK73GB1J103J	CHIP R 10K J 1/16W		
R193			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R194			RK73FB2A151J	CHIP R 150 J 1/10W		
R195			RK73FB2A560J	CHIP R 56 J 1/10W		
R196			RK73FB2A820J	CHIP R 82 J 1/10W		
R197			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R198			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R199			RK73GB1J101J	CHIP R 100 J 1/16W		
R200			RK73FB2A561J	CHIP R 560 J 1/10W		
R201-203			RK73FB2A330J	CHIP R 33 J 1/10W		
R204			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R205			RK73FB2A101J	CHIP R 100 J 1/10W		
R206			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R207			RK73FB2A473J	CHIP R 47K J 1/10W		
R208,209			RK73FB2A223J	CHIP R 22K J 1/10W		
R210			RK73FB2A471J	CHIP R 470 J 1/10W		
R211			R92-0670-05	CHIP R 0 OHM		
R212			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R213			RK73FB2A473J	CHIP R 47K J 1/10W		
R214			RK73GB1J103J	CHIP R 10K J 1/16W		
R215			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R216,217			RK73FB2A103J	CHIP R 10K J 1/10W		
R218			RK73FB2A471J	CHIP R 470 J 1/10W		
R219			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R220			RK73FB2A471J	CHIP R 470 J 1/10W		
R221,222			RK73GB1J104J	CHIP R 100K J 1/16W		
R223			RK73GB1J564J	CHIP R 560K J 1/16W		
R224,225			R92-1252-05	CHIP R 0 OHM		
R226			RK73GB1J102J	CHIP R 1.0K J 1/16W		

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TX-RX UNIT (X57-4220-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
R227			RK73GB1J223J	CHIP R 22K J 1/16W		
R228			RK73GB1J123J	CHIP R 12K J 1/16W		
R229			RK73FB2A470J	CHIP R 47 J 1/10W		
R230			RK73GB1J473J	CHIP R 47K J 1/16W		
R231			RK73GB1J104J	CHIP R 100K J 1/16W		
R232			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R233			RK73FB2A104J	CHIP R 100K J 1/10W		
R234			RK73FB2A101J	CHIP R 100 J 1/10W		
R235			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R236			RK73FB2A681J	CHIP R 680 J 1/10W		
R237-241			RK73FB2A101J	CHIP R 100 J 1/10W		
R242,243			RK73FB2A221J	CHIP R 220 J 1/10W		
R244,245			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R246			RK73FB2A561J	CHIP R 560 J 1/10W		
R247			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R248			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R249			R92-1252-05	CHIP R 0 OHM		
R251			RK73GB1J222J	CHIP R 2.2K J 1/16W		
VR1			R12-6711-05	TRIMMING POT.4.7K		
VR2			R12-6719-05	TRIMMING POT.100K		
VR3			R12-6711-05	TRIMMING POT.4.7K		
VR4			R12-6713-05	TRIMMING POT.10K		
VR5			R12-3126-05	TRIMMING POT.10K		
VR6			R12-3132-05	TRIMMING POT.47K		
VR7			R12-3126-05	TRIMMING POT.10K		
VR8 ,9			R12-6713-05	TRIMMING POT.10K		
VR10			R12-6719-05	TRIMMING POT.100K		
VR11			R12-6713-05	TRIMMING POT.10K		
VR12			R12-6717-05	TRIMMING POT.47K		
VR13			R12-6707-05	TRIMMING POT.1K		
VR14			R12-4414-05	TRIMMING POT.50K		
VR15,16			R12-6713-05	TRIMMING POT.10K		
K1			S51-1436-05	RELAY		
D1			LFB01	DIODE		
D2			V08(G)	DIODE		
D3 ,4			RLS245	DIODE		
D5			V08(G)	DIODE		
D6			MI204	DIODE		
D7			LFB01	DIODE		
D8 -11			RLS135	DIODE		
D12			DAN235K	DIODE		
D13			1SS355	DIODE		
D14			DAN235K	DIODE		
D16 ,17			RLS135	DIODE		
D18			1SS226	DIODE		
D19			1SS355	DIODE		
D20		*	RD6.2M(B2)	DIODE		
D21 -23			RLS135	DIODE		
D24			1SS355	DIODE		
D25		*	RD4.7M(B2)	DIODE		
D26			1SS355	DIODE		
D27 ,28			DAN202K	DIODE		
D29 ,30			1SS355	DIODE		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D31			B30-2001-05	LED		
D32			RLS135	DIODE		
D33			LFB01	DIODE		
D34			1SS226	DIODE		
D35		*	RD6.2M(B2)	DIODE		
D36			RD10M(B2)	DIODE		
D37			1SS355	DIODE		
D38 ,39			DAN202K	DIODE		
D40			1SS355	DIODE		
D41			RLS135	DIODE		
D42			HSM88AS	DIODE		
D43			1SS355	DIODE		
D44			RLS135	DIODE		
D46			1SS355	DIODE		
IC2			KCD04	IC(FM IF)		
IC3		*	KCD08	IC		
IC4			BU4066BF	IC(ANALOG SWITCH X4)		
IC4			XRU4066BF	IC(ANALOG SWITCH)		
IC5			NJM2904M	IC(OP AMP X2)		
IC6			BU4066BF	IC(ANALOG SWITCH X4)		
IC6			XRU4066BF	IC(ANALOG SWITCH)		
IC7			UPC1241H	IC		
IC8			UPC1037HA	IC(DUBBLE BALANCE MODULATOR)		
IC9		*	UPD6345GS	IC		
IC10			UPC78N05H	IC(VOLTAGE REGULATOR/+8V)		
IC11		*	KCC08	IC		
IC12,13			TC9174F	IC(CMOS I/O EXTENSION)		
IC14		*	TA75S01F	IC		
Q1			DTA124EK	DIGITAL TRANSISTOR		
Q2			DTC124EK	DIGITAL TRANSISTOR		
Q3			2SA1213(Y)	TRANSISTOR		
Q4			DTC143TK	DIGITAL TRANSISTOR		
Q5 -10			2SK520(K44)	FET		
Q11			2SC2954	TRANSISTOR		
Q12			DTA124EK	DIGITAL TRANSISTOR		
Q13		*	2SC4728(S)	TRANSISTOR		
Q14 ,15			DTC143TK	DIGITAL TRANSISTOR		
Q16			2SA1213(Y)	TRANSISTOR		
Q17			3SK131(M)	FET		
Q18 ,19			2SK520(K43)	FET		
Q20		*	RU201	TRANSISTOR		
Q21			3SK131(M)	FET		
Q22			2SC2712(Y)	TRANSISTOR		
Q23		*	RU201	TRANSISTOR		
Q24			2SC2712(Y)	TRANSISTOR		
Q25			2SJ106(GR)	FET		
Q26			FMC1	TRANSISTOR		
Q27 ,28			DTC124EK	DIGITAL TRANSISTOR		
Q29			2SC2712(GR)	TRANSISTOR		
Q30			2SK210(GR)	FET		
Q31			2SA1162(Y)	TRANSISTOR		
Q32			FMC2	TRANSISTOR		
Q33			DTC124EK	DIGITAL TRANSISTOR		
Q34			2SC2712(Y)	TRANSISTOR		
Q35			2SD1757K	TRANSISTOR		

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TX-RX UNIT (X57-4220-11)
VCO (X58-4010-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q36 ,37			DTC143EK	DIGITAL TRANSISTOR		
Q38 ,39			2SC3722K(R)	TRANSISTOR		
Q40 -42			2SC2712(Y)	TRANSISTOR		
Q43			3SK131(M)	FET		
Q44 ,45		*	IMD3	TRANSISTOR		
Q46 -49			3SK131(M)	FET		
Q50			2SC2954	TRANSISTOR		
Q51			2SA1162(Y)	TRANSISTOR		
Q52 ,53			2SC2712(Y)	TRANSISTOR		
Q55 -58		*	FMA3	TRANSISTOR		
Q59			DTA124EK	DIGITAL TRANSISTOR		
Q60 ,61			DTC124EK	DIGITAL TRANSISTOR		
Q62			2SD1757K	TRANSISTOR		
Q63 ,64			DTC143TK	DIGITAL TRANSISTOR		
Q65			DTC114EK	DIGITAL TRANSISTOR		
Q66			FMC1	TRANSISTOR		
Q67			DTC124EK	DIGITAL TRANSISTOR		
S1		*	W02-1764-05	ENCODER		
TH1			157-502-53002	THERMISTOR		
TH2			157-501-53009	THERMISTOR		
TH3 ,4		*	157-102-53003	THERMISTOR		
TH5			157-502-53002	THERMISTOR		
TH6 ,7			157-302-53008	THERMISTOR		
TH8		*	157-102-53003	THERMISTOR		
TH9			157-103-55001	THERMISTOR		
-		*	X59-3990-00	MODULE UNIT		
-		*	X59-4000-00	MODULE UNIT		
-		*	X59-4010-00	MODULE UNIT		
VCO (X58-4010-00)						
C1			CK73GB1H102K	CHIP C 1000PF K		
C2			CC73GCH1H390J	CHIP C 39PF J		
C3			CC73GCH1H150J	CHIP C 15PF J		
C5			CC73GCH1H110J	CHIP C 11PF J		
C6			CC73GCH1H180J	CHIP C 18PF J		
C7			CC73GCH1H100D	CHIP C 10PF D		
C8			CK73GB1H102K	CHIP C 1000PF K		
C9			CC73GCH1H050C	CHIP C 5PF C		
C10 ,11			CK73GB1H102K	CHIP C 1000PF K		
C12			CC73GCH1H330J	CHIP C 33PF J		
C13			CC73GCH1H100D	CHIP C 10PF D		
C15			CC73GCH1H090D	CHIP C 9PF D		
C16			CC73GCH1H160J	CHIP C 16PF J		
C17			CC73GCH1H090D	CHIP C 9PF D		
C18			CK73GB1H102K	CHIP C 1000PF K		
C19			CC73GCH1H050C	CHIP C 5PF C		
C20 ,21			CK73GB1H102K	CHIP C 1000PF K		
C22			CC73GCH1H180J	CHIP C 18PF J		
C23			CC73GCH1H100D	CHIP C 10PF D		
C25			CC73GCH1H070D	CHIP C 7PF D		
C26			CC73GCH1H120J	CHIP C 12PF J		
C27			CC73GCH1H080D	CHIP C 8PF D		
C28			CK73GB1H102K	CHIP C 1000PF K		
C29			CC73GCH1H050C	CHIP C 5PF C		
C30 -37			CK73GB1H102K	CHIP C 1000PF K		

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VCO (X58-4010-00)
DDS (X58-4020-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
TC1 -3			C05-0375-05	TRIMMER CAPACITOR		
CN1			E40-5201-05	PIN CONNECTOR (7P)		
-		*	F10-2060-04	SHIELDING COVER		
-		*	F10-2061-04	SHIELDING CASE		
-		*	G13-1395-04	CUSHION		
L1			L40-6882-48	SMALL FIXED INDUCTOR (0.68UH)		
L2		*	L34-2360-05	COIL		
L3			L40-6882-48	SMALL FIXED INDUCTOR (0.68UH)		
L4		*	L34-2359-05	COIL		
L5			L40-6882-48	SMALL FIXED INDUCTOR (0.68UH)		
L6		*	L34-2359-05	COIL		
-			N30-2606-46	PAN HEAD MACHIN SCREW		
R1			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R2			RK73GB1J271J	CHIP R 270 J 1/16W		
R3			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R4			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R5			RK73GB1J271J	CHIP R 270 J 1/16W		
R6			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R7			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R8			RK73GB1J271J	CHIP R 270 J 1/16W		
R9 ,10			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R11			RK73GB1J560J	CHIP R 56 J 1/16W		
R12 ,13			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R14			RK73GB1J471J	CHIP R 470 J 1/16W		
R15 -17			RK73GB1J472J	CHIP R 4.7K J 1/16W		
D1			1SV166	DIODE		
D2			RLS135	DIODE		
D3			1SV166	DIODE		
D4			RLS135	DIODE		
D5			1SV166	DIODE		
D6			RLS135	DIODE		
Q1			2SK508NV(K52)	FET		
Q2			DTC114EU	DIGITAL TRANSISTOR		
Q3			2SK508NV(K52)	FET		
Q4			DTC114EU	DIGITAL TRANSISTOR		
Q5			2SK508NV(K52)	FET		
Q6			DTC114EU	DIGITAL TRANSISTOR		
Q7			2SC2714(Y)	TRANSISTOR		
DDS (X58-4020-00)						
C1			CK73FB1E223K	CHIP C 0.022UF K		
C2			CK73FB1H102K	CHIP C 1000PF K		
C3 ,4			C92-0007-05	CHIP TAN 2.2UF 10WV		
C5			CK73FB1H102K	CHIP C 1000PF K		
C6			CC73FCH1H181J	CHIP C 180PF J		
C7			CC73FCH1H100D	CHIP C 10PF D		
C8			CC73FCH1H221J	CHIP C 220PF J		
C9			CC73FCH1H220J	CHIP C 22PF J		
C10			CC73FCH1H151J	CHIP C 150PF J		
C12 ,13			CC73FCH1H270J	CHIP C 27PF J		
C14 -17			CC73FCH1H101J	CHIP C 100PF J		

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DDS (X58-4020-00)
ALC (X59-3990-00)
DSST (X59-4000-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
CN1		*	E40-5612-05	PIN CONNECTOR (8P)		
CN2		*	E40-5611-05	PIN CONNECTOR (2P)		
L1 -3			L40-1011-48	SMALL FIXED INDUCTOR(100UH)		
L4 ,5			L40-2201-48	SMALL FIXED INDUCTOR(22UH)		
CP1 ,2			R90-0721-05	MULTIPLE COMPONENTS (R)		
R1			RK73FB2A103J	CHIP R 10K J 1/10W		
R2			RK73FB2A153J	CHIP R 15K J 1/10W		
R3			RK73FB2A221J	CHIP R 220 J 1/10W		
R4			RK73FB2A101J	CHIP R 100 J 1/10W		
R5			RK73FB2A471J	CHIP R 470 J 1/10W		
IC1			F71022	IC(DDS)		
Q1			2SC2712(GR)	TRANSISTOR		
ALC (X59-3990-00)						
C1			CK73GB1E103K	CHIP C 0.010UF K		
C2			CK73EF1E474Z	CHIP C 0.47UF Z		
C3			CK73FB1E104K	CHIP C 0.10UF K		
C4			CK73GB1E103K	CHIP C 0.010UF K		
C5			CK73FB1E473K	CHIP C 0.047UF K		
C6			CK73FB1E104K	CHIP C 0.10UF K		
R1			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R2			RK73GB1J473J	CHIP R 47K J 1/16W		
R3			RK73GB1J223J	CHIP R 22K J 1/16W		
R4 -6			RK73GB1J473J	CHIP R 47K J 1/16W		
R7			RK73GB1J330J	CHIP R 33 J 1/16W		
R8			RK73GB1J222J	CHIP R 2.2K J 1/16W		
D1			DAP202K	DIODE		
D2			1SS355	DIODE		
Q1			FMC2	DIODE		
Q2			2SC2712(Y)	TRANSISTOR		
DSST (X59-4000-00)						
C1 ,2			CK73GB1H102K	CHIP C 1000PF K		
C11			C92-0509-05	TANTAL 10UF 6.3WV		
C12			CK73FB1E223K	CHIP C 0.022UF K		
C13 -16			CK73FB1E123K	CHIP C 0.012UF K		
C17 -19			CK73FB1E223K	CHIP C 0.022UF K		
C20			C92-0009-05	CHIP TAN 4.7UF 10WV		
R1 ,2			RK73GB1J681J	CHIP R 680 J 1/16W		
R3			RK73GB1J103J	CHIP R 10K J 1/16W		
R4 ,5			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R11 ,12			RK73GB1J823J	CHIP R 82K J 1/16W		
R13			RK73GB1J223J	CHIP R 22K J 1/16W		
R14			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R15			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R16			RK73GB1J103J	CHIP R 10K J 1/16W		
R17 ,18			RK73GB1J333J	CHIP R 33K J 1/16W		
R19			RK73GB1J103J	CHIP R 10K J 1/16W		
R20			RK73GB1J333J	CHIP R 33K J 1/16W		
R21			RK73GB1J183J	CHIP R 18K J 1/16W		
R22			RK73GB1J101J	CHIP R 100 J 1/16W		
D11 -13			1SS355	DIODE		

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DSST (X59-4000-00)
LP BPF (X59-4010-00)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q1 ,2			2SA1213(Y)	TRANSISTOR		
Q3 -5			DTC143TK	DIGITAL TRANSISTOR		
Q11			2SC2712(GR)	TRANSISTOR		
LP BPF (X59-4010-00)						
C1			CK73GB1H222K	CHIP C 2200PF K		
C2			CK73GB1H472K	CHIP C 4700PF K		
C3			CK73GB1H222K	CHIP C 2200PF K		
C4 ,5			CK73GB1E103K	CHIP C 0.010UF K		
C6			CK73EF1C105Z	CHIP C 1.0UF Z		
C6			CK73EF1C105Z	CHIP C 1.0UF Z		
C11			CK73GB1H392K	CHIP C 3900PF K		
C12			CK73GB1H102K	CHIP C 1000PF K		
C13			CK73GB1H392K	CHIP C 3900PF K		
C14			CK73EB1E104K	CHIP C 0.10UF K		
C15 ,16			CK73GB1H102K	CHIP C 1000PF K		
C17			CK73EB1E104K	CHIP C 0.10UF K		
C21			CK73GB1H222K	CHIP C 2200PF K		
C22		*	CC73GSL1H471J	CHIP C 470PF J		
C23			CK73GB1H222K	CHIP C 2200PF K		
C24			CK73EB1E104K	CHIP C 0.10UF K		
C25 ,26			CK73GB1H102K	CHIP C 1000PF K		
C27			CK73EB1E104K	CHIP C 0.10UF K		
C31			CK73GB1H102K	CHIP C 1000PF K		
C32		*	CC73GSL1H331J	CHIP C 330PF J		
C33			CK73GB1H102K	CHIP C 1000PF K		
C34			CK73EB1E104K	CHIP C 0.10UF K		
C35 ,36			CK73GB1H102K	CHIP C 1000PF K		
C37			CK73EB1E104K	CHIP C 0.10UF K		
C41			CK73GB1H821K	CHIP C 820PF K		
C42			CC73GCH1H121J	CHIP C 120PF J		
C43			CK73GB1H821K	CHIP C 820PF K		
C44			CK73EB1E104K	CHIP C 0.10UF K		
C45 ,46			CK73GB1H102K	CHIP C 1000PF K		
C47			CK73EB1E104K	CHIP C 0.10UF K		
C51			CK73GB1H681K	CHIP C 680PF K		
C52			CC73GCH1H820J	CHIP C 82PF J		
C53			CK73GB1H681K	CHIP C 680PF K		
C54			CK73EB1E104K	CHIP C 0.10UF K		
C55 ,56			CK73GB1H102K	CHIP C 1000PF K		
C57			CK73EB1E104K	CHIP C 0.10UF K		
C61		*	CC73GSL1H331J	CHIP C 330PF J		
C62			CC73GCH1H680J	CHIP C 68PF J		
C63		*	CC73GSL1H331J	CHIP C 330PF J		
C64			CK73EB1E104K	CHIP C 0.10UF K		
C65 ,66			CK73GB1H102K	CHIP C 1000PF K		
C67			CK73EB1E104K	CHIP C 0.10UF K		
C71			CC73GSL1H221J	CHIP C 220PF J		
C72			CC73GCH1H470J	CHIP C 47PF J		
C73			CC73GSL1H221J	CHIP C 220PF J		
C74			CK73EB1E104K	CHIP C 0.10UF K		
C75 ,76			CK73GB1H102K	CHIP C 1000PF K		
C77			CK73EB1E104K	CHIP C 0.10UF K		
L1 ,2		*	L40-6892-48	SMALL FIXED INDUCTOR(6.8UH)		
L3			L33-0695-05	CHOKE COIL		

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LP BPF (X59-4010-00)

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L11		*	L40-1892-48	SMALL FIXED INDUCTOR(1.8UH)		
L12		*	L40-6892-48	SMALL FIXED INDUCTOR(6.8UH)		
L13		*	L40-1892-48	SMALL FIXED INDUCTOR(1.8UH)		
L21		*	L40-1592-48	SMALL FIXED INDUCTOR(1.5UH)		
L22		*	L40-5692-48	SMALL FIXED INDUCTOR(5.6UH)		
L23		*	L40-1592-48	SMALL FIXED INDUCTOR(1.5UH)		
L31			L40-1092-48	SMALL FIXED INDUCTOR(1UH)		
L32		*	L40-2792-18	SMALL FIXED INDUCTOR(2.7UH)		
L33			L40-1092-48	SMALL FIXED INDUCTOR(1UH)		
L41			L40-4782-48	SMALL FIXED INDUCTOR(0.47UH)		
L42		*	L40-2792-18	SMALL FIXED INDUCTOR(2.7UH)		
L43		*	L40-4782-48	SMALL FIXED INDUCTOR(0.47UH)		
L51			L40-3382-48	SMALL FIXED INDUCTOR(0.33UH)		
L52		*	L40-1892-18	SMALL FIXED INDUCTOR(1.8UH)		
L53			L40-3382-48	SMALL FIXED INDUCTOR(0.33UH)		
L61			L40-2782-48	SMALL FIXED INDUCTOR(0.27UH)		
L62		*	L40-1292-18	SMALL FIXED INDUCTOR(1.2UH)		
L63			L40-2782-48	SMALL FIXED INDUCTOR(0.27UH)		
L71			L40-2782-48	SMALL FIXED INDUCTOR(0.27UH)		
L72			L40-8282-48	SMALL FIXED INDUCTOR(0.82UH)		
L73			L40-2782-48	SMALL FIXED INDUCTOR(0.27UH)		
R1			RK73GB1J471J	CHIP R 470 J 1/16W		
R2			RK73EB2B151J	CHIP R 150 J 1/8W		
R3			RK73GB1J103J	CHIP R 10K J 1/16W		
R4			R92-0670-05	CHIP R 0 OHM		
R11			RK73EB2B330J	CHIP R 33 J 1/8W		
R12			RK73EB2B121J	CHIP R 120 J 1/8W		
R13			RK73GB1J103J	CHIP R 10K J 1/16W		
R21			RK73EB2B330J	CHIP R 33 J 1/8W		
R22			RK73EB2B121J	CHIP R 120 J 1/8W		
R23			RK73GB1J103J	CHIP R 10K J 1/16W		
R31			RK73EB2B330J	CHIP R 33 J 1/8W		
R32			RK73EB2B121J	CHIP R 120 J 1/8W		
R33			RK73GB1J103J	CHIP R 10K J 1/16W		
R41			RK73EB2B330J	CHIP R 33 J 1/8W		
R42			RK73EB2B121J	CHIP R 120 J 1/8W		
R43			RK73GB1J103J	CHIP R 10K J 1/16W		
R51			RK73EB2B330J	CHIP R 33 J 1/8W		
R52			RK73EB2B121J	CHIP R 120 J 1/8W		
R53			RK73GB1J103J	CHIP R 10K J 1/16W		
R61			RK73EB2B330J	CHIP R 33 J 1/8W		
R62			RK73EB2B121J	CHIP R 120 J 1/8W		
R63			RK73GB1J103J	CHIP R 10K J 1/16W		
R71			RK73EB2B330J	CHIP R 33 J 1/8W		
R72			RK73EB2B121J	CHIP R 120 J 1/8W		
R73			RK73GB1J103J	CHIP R 10K J 1/16W		
D1 ,2			RLS135	DIODE		
D11 ,12			RLS135	DIODE		
D21 ,22			RLS135	DIODE		
D31 ,32			RLS135	DIODE		
D41 ,42			RLS135	DIODE		
D51 52			RLS135	DIODE		
D61 ,62			RLS135	DIODE		
D71 ,72			RLS135	DIODE		

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