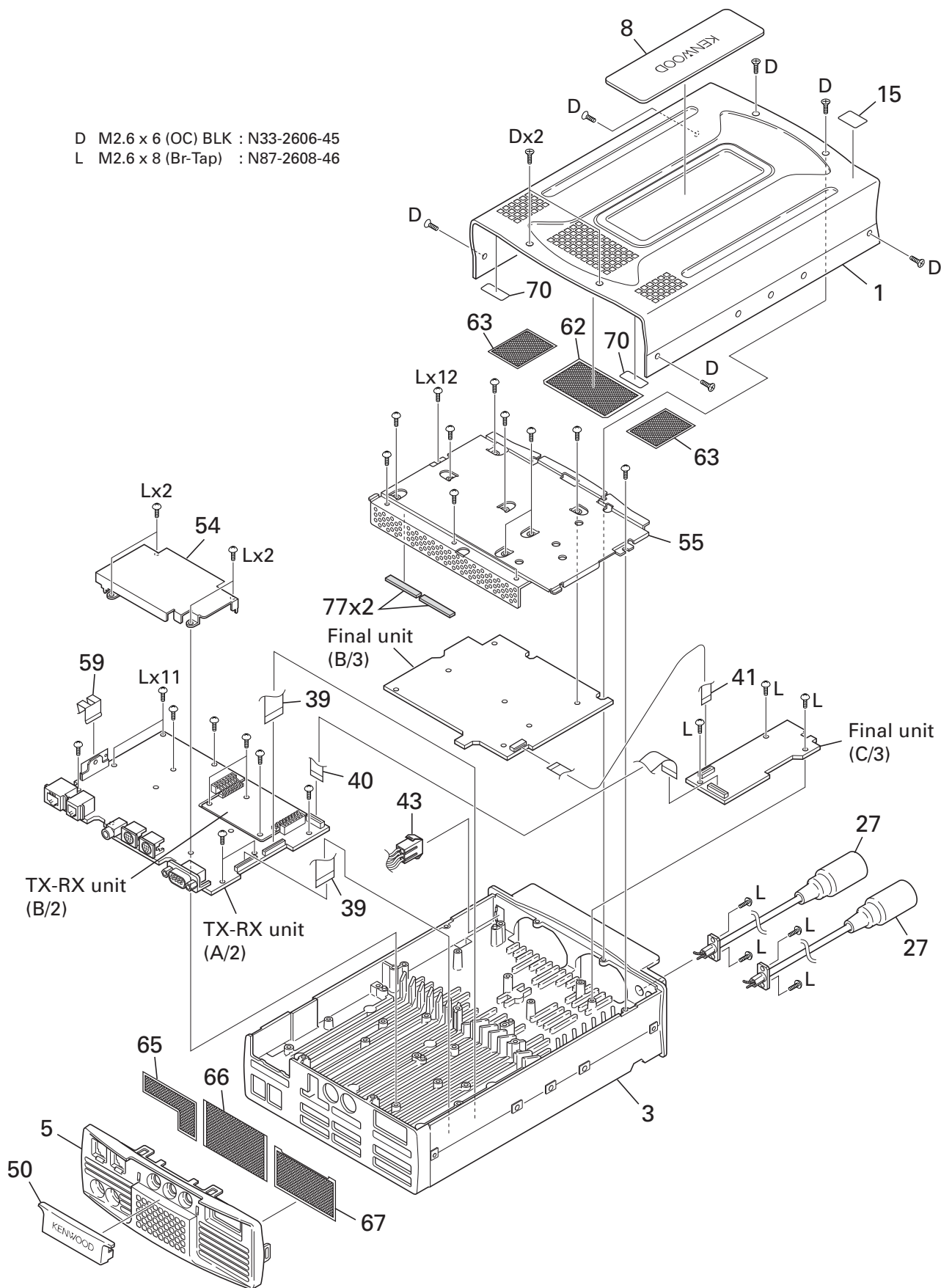


TS-480HX/480SAT

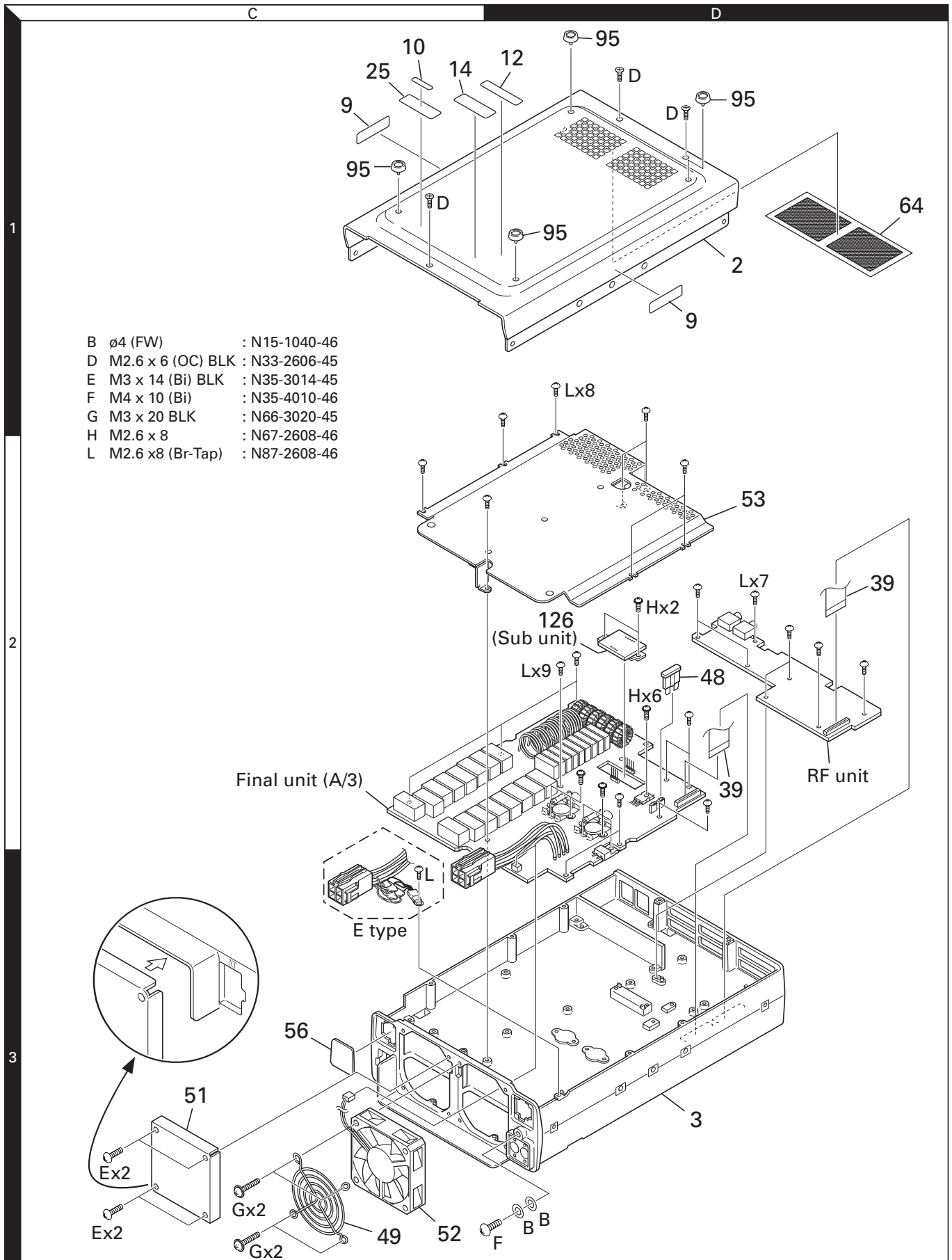
EXPLODED VIEW (MAIN BODY UPPER SIDE)

D M2.6 x 6 (OC) BLK : N33-2606-45

L M2.6 x 8 (Br-Tap) : N87-2608-46



EXPLODED VIEW (MAIN BODY LOWER SIDE) : TS-480SAT

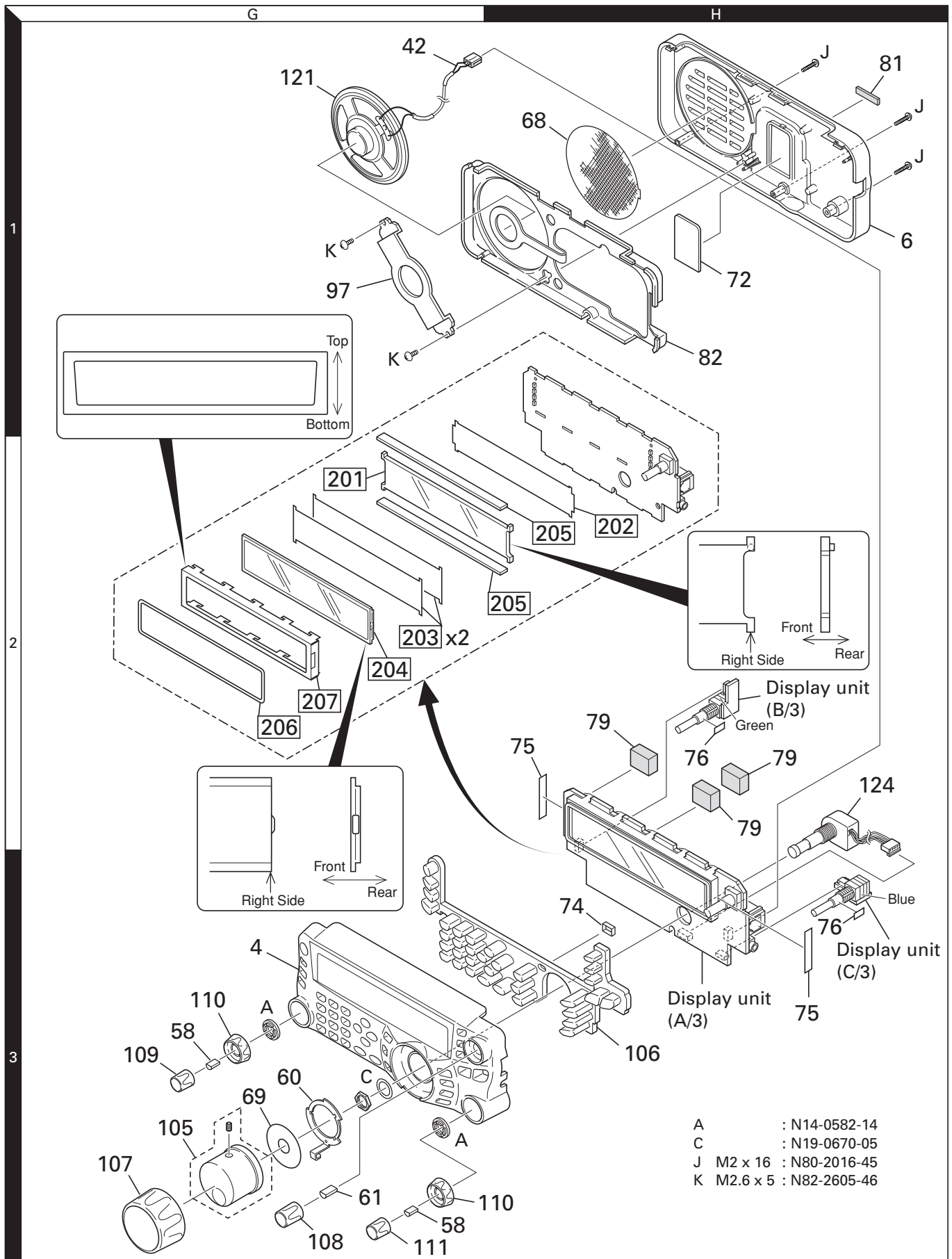


Parts with the exploded numbers larger than 700 are not supplied.

52

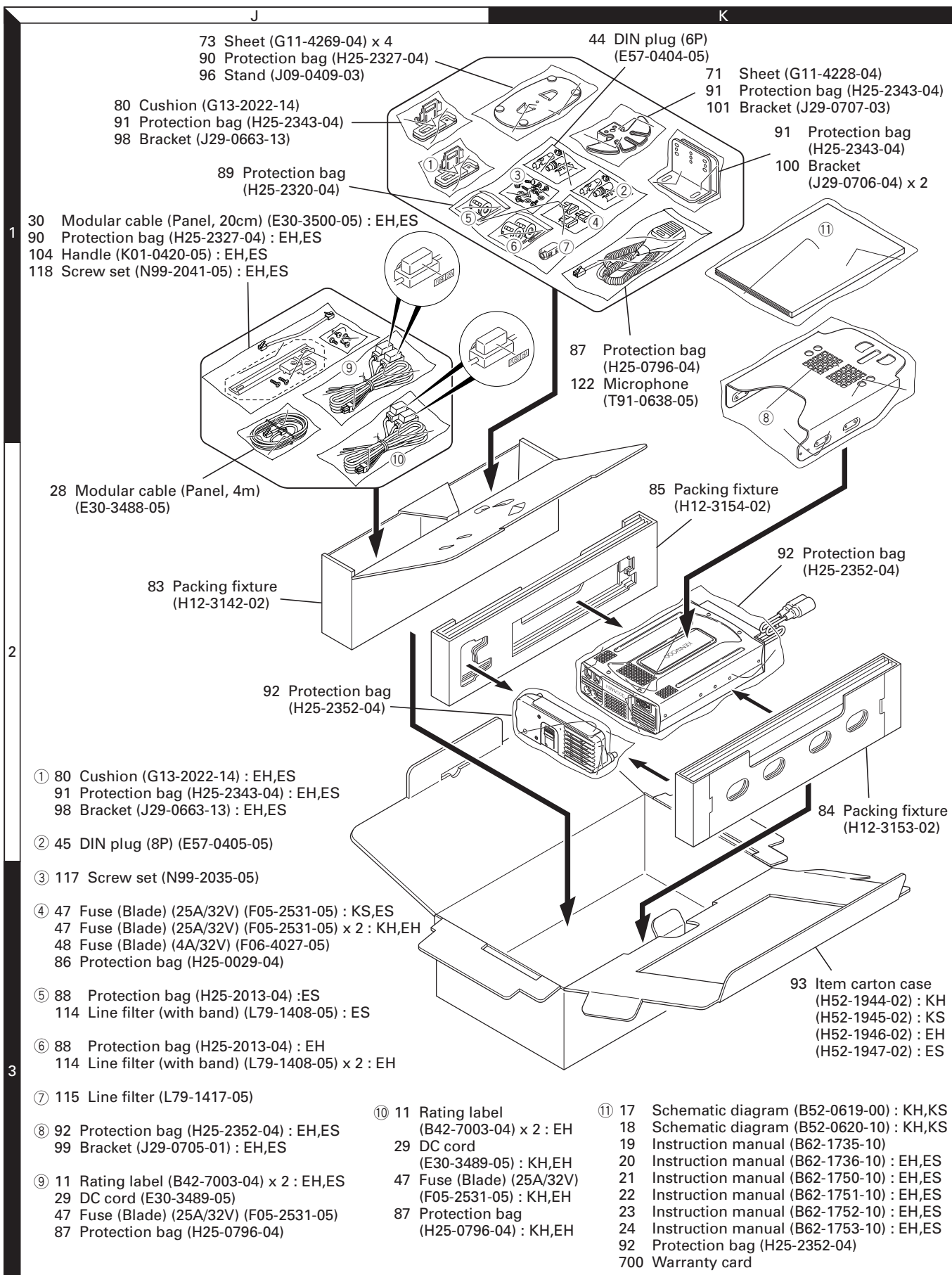


EXPLODED VIEW (PANEL)



Parts with the exploded numbers larger than 700 are not supplied.

PACKING



TS-480HX/480SAT

PARTS LIST

* New Parts. ⚠ indicates safety critical components.

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

L : Scandinavia

Y : PX (Far East, Hawaii)

Y : AAFES (Europe)

K : USA

T : England

X : Australia

P : Canada

E : Europe

M : Other Areas

TS-480HX/480SAT (Y52-328X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
TS-480HX/480SAT					
1	1B	*	A01-2189-02	CABINET (UPPER)	KH, EH KS, ES
2	1D, 1F	*	A01-2190-02	CABINET (LOWER)	
3	3A, 3F	*	A10-4061-01	CHASSIS	
3	3A, 3D	*	A10-4062-01	CHASSIS	
4	3G	*	A62-1076-03	PANEL ASSY	EH, ES KH, KS
5	3A	*	A62-1079-01	PANEL	
6	1H	*	A82-0052-11	REAR PANEL	
8	1B	*	B03-3610-03	DRESSING PLATE	
9	1D, 1F		B42-2455-04	STICKER	EH, ES KH, KS
10	1C, 1E		B42-5650-04	S/NO. LABEL	
11	1J		B42-7003-04	RATING LABEL (DC CORD)	
12	1D, 1F		B42-7019-04	STANDARD LABEL (FCC)	
14	1C, 1E		B42-7070-04	STANDARD LABEL (FCC)	EH, ES KH, KS
15	1B		B42-7116-04	STICKER (ANT)	
14	1C, 1E		B42-7126-04	STANDARD LABEL (E-MARK)	
17	1K	*	B52-0619-00	SCHEMATIC DIAGRAM	
18	1K	*	B52-0620-10	SCHEMATIC DIAGRAM	EH, ES KH, ES
19	1K	*	B62-1735-10	INSTRUCTION MANUAL (ENGLISH)	
20	1K	*	B62-1736-10	INSTRUCTION MANUAL (GERMANY)	
21	1K	*	B62-1750-10	INSTRUCTION MANUAL (FRENCH)	
22	1K	*	B62-1751-10	INSTRUCTION MANUAL (ITALIAN)	EH, ES KH, ES
23	1K	*	B62-1752-10	INSTRUCTION MANUAL (SPANISH)	
24	1K	*	B62-1753-10	INSTRUCTION MANUAL (DOUCHE)	
25	1E	*	B72-2166-04	MODEL NAME PLATE	KH KS EH ES
25	1C	*	B72-2167-04	MODEL NAME PLATE	
25	1E	*	B72-2168-04	MODEL NAME PLATE	
25	1C	*	B72-2169-04	MODEL NAME PLATE	
27	3B		E30-3009-15	ANTENNA CABLE (ANT)	EH, ES
28	1J	*	E30-3488-05	MODULAR CABLE (PANEL, 4M)	
29	1J, 2J	*	E30-3489-05	DC CORD	
30	1J	*	E30-3500-05	MODULAR CABLE (PANEL, 20CM)	
-		*	E37-1059-05	LEAD WIRE WITH CONNECTOR (X57 CN369)	KH, ES KS, ES
-		*	E37-1060-05	LEAD WIRE WITH MINIPIN PLUG (X57 CN501)	
-		*	E37-1061-05	LEAD WIRE WITH MINIPIN PLUG (X57 CN3)	
-		*	E37-1062-05	LEAD WIRE WITH MINIPIN PLUG (X57 CN1)	
-		*	E37-1063-05	LEAD WIRE WITH MINIPIN PLUG (X44 CN2)	KH, ES KS, ES
-		*	E37-1064-05	LEAD WIRE WITH MINIPIN PLUG (X44 CN1)	
-		*	E37-1067-05	LEAD WIRE WITH MINIPIN PLUG (X45 CN504)	
-		*	E37-1068-05	LEAD WIRE WITH MINIPIN PLUG (X45 CN505)	
39	2A, 2D, 2F	*	E37-1069-05	FLAT CABLE (X57 CN395, 403)	KH KS EH ES
40	2A	*	E37-1070-05	FLAT CABLE (X57 CN375)	
41	2B	*	E37-1071-05	FLAT CABLE (X45 CN501)	
42	1G	*	E37-1072-05	LEAD WIRE WITH CONNECTOR (SP)	
43	2A	*	E37-1073-05	LEAD WIRE WITH CONNECTOR (EXT. AT)	KH, ES
44	1K	*	E57-0404-05	DIN PLUG (6P ACC)	
45	1K	*	E57-0405-05	DIN PLUG (8P ACC)	
47	1J, 1K		F05-2531-05	FUSE (BLADE) (25A/32V)	
48	2D, 2F, 1K		F06-4027-05	FUSE (BLADE) (4A/32V)	KS, ES
49	3C, 3E	*	F07-1874-05	COVER (FAN)	
50	3A	*	F07-1875-13	COVER (DIN, SP, KEY)	
51	3C	*	F07-1878-04	COVER (FAN)	
52	3C, 3E	*	F09-0478-05	FAN MOTOR	KH, ES
53	2D, 2F	*	F10-2450-02	SHIELDING COVER (X45 A/3)	
54	2A	*	F10-2456-03	SHIELDING COVER (X57 A/2)	KS, ES
55	2B	*	F10-2470-02	SHIELDING COVER (X45 B/3)	
56	3C	*	F15-1007-04	SHIELDING PLATE (DC2)	
58	3G		G02-0505-05	KNOB SPRING	
59	2A		G02-0570-04	FLAT SPRING (X57 IC734)	KH, ES
60	3G	*	G02-0898-04	FLAT SPRING (TORQUE LEVER)	
61	3G		G09-0405-05	KNOB SPRING	
62	1B	*	G10-1305-04	FIBROUS SHEET	
63	1B	*	G10-1306-04	FIBROUS SHEET	KH, ES
64	1D, 1F	*	G10-1307-04	FIBROUS SHEET	
65	3A	*	G10-1308-04	FIBROUS SHEET	
66	3A	*	G10-1309-04	FIBROUS SHEET	
67	3A	*	G10-1310-04	FIBROUS SHEET	KH, ES
68	1H	*	G10-1311-04	FIBROUS SHEET	
69	3G	*	G10-1313-14	FIBROUS SHEET	
-			G10-1326-04	FIBROUS SHEET	
70	1B		G10-1328-04	FIBROUS SHEET	KH, ES
71	1K	*	G11-4228-04	SHEET	
72	1H	*	G11-4245-04	SHEET	
73	1K	*	G11-4269-04	SHEET	
74	3H	*	G11-4270-04	SHEET	KH, ES
75	2H, 3H	*	G11-4278-04	SHEET	
76	2H, 3H		G11-4287-04	SHEET	
77	2A		G13-1871-05	CONDUCTIVE CUSHION	
78	2F		G13-1872-05	CONDUCTIVE CUSHION	KH, EH
79	2H		G13-1888-04	CUSHION	
80	1J	*	G13-2022-14	CUSHION	
81	1H	*	G13-2024-04	CUSHION	
82	1H	*	G53-1559-02	PACKING	EH, ES
83	2J	*	H12-3142-02	PACKING FIXTURE	
84	2K	*	H12-3153-02	PACKING FIXTURE	
85	2K	*	H12-3154-02	PACKING FIXTURE	
86	1K		H25-0029-04	PROTECTION BAG (60/110/0.07)	KH, ES
87	1J, 2J		H25-0796-04	PROTECTION BAG	
88	1K		H25-2013-04	PROTECTION BAG (80*180 T=0.08)	
89	1K		H25-2320-04	PROTECTION BAG	
90	1J, 1K	*	H25-2327-04	PROTECTION BAG (100/250/0.07)	KH KS EH ES
91	1J, 1K	*	H25-2343-04	PROTECTION BAG	
92	1K, 2K	*	H25-2352-04	PROTECTION BAG (250/350/0.07)	
93	3K	*	H52-1944-02	ITEM CARTON CASE	
93	3K	*	H52-1945-02	ITEM CARTON CASE	KH KS EH ES
93	3K	*	H52-1946-02	ITEM CARTON CASE	
93	3K	*	H52-1947-02	ITEM CARTON CASE	
95	1D, 1F		J02-0441-05	FOOT	KH, ES
96	1K	*	J09-0409-03	STAND	
97	1G	*	J21-8449-04	HARDWARE FIXTURE	
98	1J	*	J29-0663-13	BRACKET	
99	1K	*	J29-0705-01	BRACKET	KH, ES
100	1K	*	J29-0706-04	BRACKET	
101	1K	*	J29-0707-03	BRACKET	
-			J61-0307-05	BAND	
104	1J		K01-0420-05	HANDLE	KH, ES
105	3G	*	K21-1105-03	KNOB (MAIN DIAL)	
106	3H	*	K29-9263-02	KEY TOP	

KH : TS-480HX (K)

EH : TS-480HX (E)

KS : TS-480SAT (K)

ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

TS-480HX/480SAT RF UNIT (X44-327X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
107	3G	*	K29-9264-04	KNOB RING	EH,ES
108	3G	*	K29-9265-03	KNOB	
109	3G	*	K29-9266-03	KNOB	
110	3G	*	K29-9267-03	KNOB	
111	3G	*	K29-9270-03	KNOB	
114	1J,1K		L79-1408-05	LINE FILTER (WITH BAND)	EH,ES
115	1K		L79-1417-05	LINE FILTER	
A	3G		N14-0582-14	CIRCULAR NUT	KS,ES
B	3D,3F		N15-1040-46	FLAT WASHER	
C	3G	*	N19-0670-05	SPECIAL WASHER	
D	1B,1D,1F		N33-2606-45	OVAL HEAD MACHINE SCREW	
E	3C	*	N35-3014-45	BINDING HEAD MACHINE SCREW	
F	3D,3F		N35-4010-46	BINDING HEAD MACHINE SCREW	EH,ES
G	3C,3E	*	N66-3020-45	PAN HEAD SEMS SCREW B	
H	2D,2F		N67-2608-46	PAN HEAD SEMS SCREW W	
J	1H		N80-2016-45	PAN HEAD TAPTITE SCREW	
K	1G		N82-2605-46	BINDING HEAD TAPTITE SCREW	
L	2B,2D,2F		N87-2608-46	BRAZIER HEAD TAPTITE SCREW	EH,ES
117	1K	*	N99-2035-05	SCREW SET	
118	1J	*	N99-2041-05	SCREW SET	
121	1G		T07-0298-05	SPEAKER	KH,EH
122	1K	*	T91-0638-05	MICROPHONE	
124	2H	*	W02-1836-15	ENCODER	KS,ES
126	2F	*	X58-4900-00	SUB UNIT	
126	2D	*	X58-4900-01	SUB UNIT	

RF UNIT (X44-327X-XX) 0-00 : KH,KS 2-71 : EH,ES

C1			CK73FB1H102K	CHIP C	1000PF	K	
C2		*	C90-4111-05	ELECTRO	470UF	16WV	
C3			CK73GB1C103K	CHIP C	0.010UF	K	
C4			CC73GCH1H390J	CHIP C	39PF	J	
C5			CK73GB1H103K	CHIP C	0.010UF	K	
C6			CK73FB1C105K	CHIP C	1.0UF	K	
C7			CK73GB1C104K	CHIP C	0.10UF	K	
C8			CC73GCH1H470J	CHIP C	47PF	J	
C10			CK73GB1C104K	CHIP C	0.10UF	K	
C11			CC73GCH1H080B	CHIP C	8.0PF	B	
C12			CC73GCH1H470J	CHIP C	47PF	J	
C13			CK73FB1E104K	CHIP C	0.10UF	K	
C14			CK73GB1H103K	CHIP C	0.010UF	K	
C15			CK73EB1H104K	CHIP C	0.10UF	K	
C16			CK73GB1H102K	CHIP C	1000PF	K	
C17			CK73GB1C104K	CHIP C	0.10UF	K	
C18			CK73EB1H104K	CHIP C	0.10UF	K	
C19			CK73GB1C104K	CHIP C	0.10UF	K	
C20			CK73GB1H103K	CHIP C	0.010UF	K	
C22			CK73GB1H103K	CHIP C	0.010UF	K	
C23			CC73FCH1H150J	CHIP C	15PF	J	
C24			CK73GB1H103K	CHIP C	0.010UF	K	
C25			CE04EW1E4R7M	ELECTRO	4.7UF	25WV	
C26			CK73GB1H103K	CHIP C	0.010UF	K	
C28			CK73FB1E104K	CHIP C	0.10UF	K	
C29			CK73FB1C105K	CHIP C	1.0UF	K	
C30			CK73FB1H102K	CHIP C	1000PF	K	
C32		*	C90-4111-05	ELECTRO	470UF	16WV	
C33			CC73GCH1H180J	CHIP C	18PF	J	

Ref. No.	Address	New parts	Parts No.	Description		Desti- nation
C51			CC73FCH1H152J	CHIP C	1500PF J	
C52			CK73GB1C104K	CHIP C	0.10UF K	
C53,54			CC73FCH1H222J	CHIP C	2200PF J	
C55			CC73FCH1H152J	CHIP C	1500PF J	
C56-59			CC73FCH1H222J	CHIP C	2200PF J	
C60		*	CC73FCH1H122J	CHIP C	1200PF J	
C61			CK73GB1C104K	CHIP C	0.10UF K	
C62			CC73FCH1H182J	CHIP C	1800PF J	
C63			CK73GB1C104K	CHIP C	0.10UF K	
C64			CC73GCH1H821J	CHIP C	820PF J	
C65			CK73GB1C104K	CHIP C	0.10UF K	
C66			CC73GCH1H681J	CHIP C	680PF J	
C67			CK73GB1C104K	CHIP C	0.10UF K	
C68			CC73GCH1H471J	CHIP C	470PF J	
C69			CK73GB1C104K	CHIP C	0.10UF K	
C70			CC73GCH1H331J	CHIP C	330PF J	
C71			CK73GB1C104K	CHIP C	0.10UF K	
C72			CC73GCH1H221J	CHIP C	220PF J	
C73			CK73GB1C104K	CHIP C	0.10UF K	
C74			CC73GCH1H560J	CHIP C	56PF J	
C75			CK73GB1C104K	CHIP C	0.10UF K	
C76			CC73GCH1H121J	CHIP C	120PF J	
C77			CK73GB1C104K	CHIP C	0.10UF K	
C78			CC73GCH1H221J	CHIP C	220PF J	
C79			CC73GCH1H102J	CHIP C	1000PF J	
C80			CC73FCH1H222J	CHIP C	2200PF J	
C81-88			CC73GCH1H102J	CHIP C	1000PF J	
C89			CC73GCH1H560J	CHIP C	56PF J	
C90			CC73FCH1H122J	CHIP C	1200PF J	
C91			CC73GCH1H680J	CHIP C	68PF J	
C92			CC73GCH1H471J	CHIP C	470PF J	
C93			CC73GCH1H331J	CHIP C	330PF J	
C94			CC73GCH1H101J	CHIP C	100PF J	
C95			CC73GCH1H680J	CHIP C	68PF J	
C96			CC73GCH1H151J	CHIP C	150PF J	
C97			CC73GCH1H820J	CHIP C	82PF J	
C98			CK73GB1H103K	CHIP C	0.010UF K	
C99-107			CC73GCH1H102J	CHIP C	1000PF J	
C108			CK73FB1C105K	CHIP C	1.0UF K	
C109			CK73GB1C104K	CHIP C	0.10UF K	
C110		*	CC73FCH1H122J	CHIP C	1200PF J	
C111			CK73GB1C104K	CHIP C	0.10UF K	
C112			CC73FCH1H182J	CHIP C	1800PF J	
C113			CK73GB1C104K	CHIP C	0.10UF K	
C114			CC73GCH1H821J	CHIP C	820PF J	
C115			CK73GB1C104K	CHIP C	0.10UF K	
C116			CC73GCH1H681J	CHIP C	680PF J	
C117			CK73GB1C104K	CHIP C	0.10UF K	
C118			CC73GCH1H471J	CHIP C	470PF J	
C119			CK73GB1C104K	CHIP C	0.10UF K	
C120			CC73GCH1H331J	CHIP C	330PF J	
C121			CK73GB1C104K	CHIP C	0.10UF K	
C122			CC73GCH1H221J	CHIP C	220PF J	
C123			CK73GB1C104K	CHIP C	0.10UF K	
C124			CC73GCH1H560J	CHIP C	56PF J	
C125			CK73GB1C104K	CHIP C	0.10UF K	EH,ES
C126			CC73GCH1H181J	CHIP C	180PF J	
C127			CK73GB1C104K	CHIP C	0.10UF K	
C128			CC73FCH1H222J	CHIP C	2200PF J	
C129,130			CC73GCH1H090B	CHIP C	9.0PF B	

EH,ES

PARTS LIST

RF UNIT (X44-327X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C131			CC73GCH1H150J	CHIP C 15PF J		C285-287			CK73GB1H103K	CHIP C 0.010UF K	
C151			CK73GB1H103K	CHIP C 0.010UF K		C288			CK73GB1H102K	CHIP C 1000PF K	
C152			CK73GB1H102K	CHIP C 1000PF K		C290			CK73GB1H103K	CHIP C 0.010UF K	
C153			CK73GB1C104K	CHIP C 0.10UF K		C291			CC73GCH1H090B	CHIP C 9.0PF B	
C154			CK73FB1E104K	CHIP C 0.10UF K		C292			CC73GCH1H220J	CHIP C 22PF J	
C155			CK73GB1H103K	CHIP C 0.010UF K		C293			CK73GB1H103K	CHIP C 0.010UF K	
C156			CC73GCH1H050B	CHIP C 5.0PF B		C295			CK73GB1C104K	CHIP C 0.10UF K	
C157			CK73GB1C104K	CHIP C 0.10UF K		C297			CC73GCH1H330J	CHIP C 33PF J	
C158			CC73GCH1H560J	CHIP C 56PF J		C298			CK73GB1H103K	CHIP C 0.010UF K	
C159			CK73GB1C104K	CHIP C 0.10UF K		C301			CK73GB1H103K	CHIP C 0.010UF K	
C161			CC73GCH1H150J	CHIP C 15PF J		C302			CK73GB1C104K	CHIP C 0.10UF K	
C162			CC73GCH1H820J	CHIP C 82PF J		C303-305			CK73GB1H102K	CHIP C 1000PF K	
C163			CC73GCH1H390J	CHIP C 39PF J		C321-325			CK73GB1H102K	CHIP C 1000PF K	
C164			CK73GB1H103K	CHIP C 0.010UF K		TC51,52			C05-0385-05	CERAMIC TRIMMER CAP (20PF)	EH,ES
C165			CC73GCH1H330J	CHIP C 33PF J		-			E18-0254-05	SOCKET	
C166,167			CK73FB1E104K	CHIP C 0.10UF K		CN1,2			E04-0154-05	PIN SOCKET	
C168			CK73GB1C104K	CHIP C 0.10UF K		CN4			E40-5487-05	PIN ASSY	
C169			CK73FB1E104K	CHIP C 0.10UF K		CN51,52			E40-5487-05	PIN ASSY	
C170,171			CK73GB1C104K	CHIP C 0.10UF K		CN152			E40-0211-05	PIN ASSY	
C173			CK73GB1C104K	CHIP C 0.10UF K		CN153			E04-0154-05	PIN SOCKET	
C174			CC73GCH1H102J	CHIP C 1000PF J		CN252			E40-0211-05	PIN ASSY	
C176			CK73GB1H102K	CHIP C 1000PF K		CN253			E04-0154-05	PIN SOCKET	
C177,178			CK73GB1H103K	CHIP C 0.010UF K		CN254			E04-0191-05	PIN SOCKET	
C179			CK73GB1H102K	CHIP C 1000PF K		CN309			E40-5978-05	FLAT CABLE CONNECTOR	
C180			CK73FB1E104K	CHIP C 0.10UF K		J301,302			E11-0455-05	3.5D PHONE JACK (3P)	
C181			CK73GB1H103K	CHIP C 0.010UF K		-	*		F10-2462-04	SHIELDING CASE	
C182			CC73GCH1H020B	CHIP C 2.0PF B		-	*		F10-2478-04	SHIELDING CASE	
C184			CK73GB1H102K	CHIP C 1000PF K		-	*		F10-2483-04	SHIELDING CASE	
C185			CK73GB1H471K	CHIP C 470PF K		-	*		F10-2493-04	SHIELDING CASE	
C186			CK73GB1H103K	CHIP C 0.010UF K		-	*		F20-3320-04	INSULATING SHEET	
C187			CK73GB1C104K	CHIP C 0.10UF K		L1			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
C188			CK73GB1H471K	CHIP C 470PF K		L2			L40-1085-34	SMALL FIXED INDUCTOR (100NH)	
C190			CK73GB1H102K	CHIP C 1000PF K		L3,4			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
C191,192			CK73GB1H103K	CHIP C 0.010UF K		L5			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
C193			CC73GCH1H020B	CHIP C 2.0PF B		L6	*		L41-1585-09	SMALL FIXED INDUCTOR	
C194			CK73GB1H102K	CHIP C 1000PF K		L7			L33-0695-05	SMALL FIXED INDUCTOR	
C195			CC73GCH1H010B	CHIP C 1.0PF B		L9			L33-0695-05	SMALL FIXED INDUCTOR	
C196			CC73GCH1H030B	CHIP C 3.0PF B		L10	*		L41-2785-08	SMALL FIXED INDUCTOR	
C198			CK73GB1H102K	CHIP C 1000PF K		L11			L41-1085-08	SMALL FIXED INDUCTOR	
C200			CK73GB1H103K	CHIP C 0.010UF K		L51	*		L41-6895-09	SMALL FIXED INDUCTOR	EH,ES
C201			CK73GB1H102K	CHIP C 1000PF K		L52			L33-0695-05	SMALL FIXED INDUCTOR	
C252			CK73GB1H103K	CHIP C 0.010UF K		L53	*		L41-6895-09	SMALL FIXED INDUCTOR	EH,ES
C253-255			CK73GB1C104K	CHIP C 0.10UF K		L54	*		L41-5695-09	SMALL FIXED INDUCTOR	
C256-258			CK73GB1H103K	CHIP C 0.010UF K		L55			L33-0695-05	SMALL FIXED INDUCTOR	
C259			CK73GB1H471K	CHIP C 470PF K		L56,57	*		L41-6895-09	SMALL FIXED INDUCTOR	
C260			CK73GB1H103K	CHIP C 0.010UF K		L58	*		L41-2295-09	SMALL FIXED INDUCTOR	
C261			CC73GUJ1H040C	CHIP C 4.0PF C		L59	*		L41-1595-09	SMALL FIXED INDUCTOR	
C262,263			CK73GB1H103K	CHIP C 0.010UF K		L60	*		L41-1095-09	SMALL FIXED INDUCTOR	
C266,267			CK73GB1H102K	CHIP C 1000PF K		L61	*		L41-4785-08	SMALL FIXED INDUCTOR	
C268			CC73GCH1H010B	CHIP C 1.0PF B		L62	*		L41-3985-08	SMALL FIXED INDUCTOR	
C269-271			CK73GB1H102K	CHIP C 1000PF K		L63	*		L41-2785-08	SMALL FIXED INDUCTOR	
C272			CK73GB1C104K	CHIP C 0.10UF K		L64	*		L41-1885-08	SMALL FIXED INDUCTOR	
C273			CK73GB1H102K	CHIP C 1000PF K		L65	*		L41-1585-08	SMALL FIXED INDUCTOR	
C274			CK73GB1H103K	CHIP C 0.010UF K		L66			L34-4569-05	AIR-CORE COIL	
C275			CC73GCH1H060B	CHIP C 6.0PF B		L67	*		L41-6895-09	SMALL FIXED INDUCTOR	
C276			CK73GB1H102K	CHIP C 1000PF K		L68			L33-0695-05	SMALL FIXED INDUCTOR	
C277			CK73GB1H103K	CHIP C 0.010UF K		L69	*		L41-5695-09	SMALL FIXED INDUCTOR	
C278-280			CK73GB1H102K	CHIP C 1000PF K		L70	*		L41-6885-09	SMALL FIXED INDUCTOR	
C281			CC73GCH1H010B	CHIP C 1.0PF B		L71	*		L41-1895-09	SMALL FIXED INDUCTOR	
C282			CK73GB1H103K	CHIP C 0.010UF K							

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

RF UNIT (X44-327X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
L72		*	L41-1295-09	SMALL FIXED INDUCTOR		R15			RK73GB1J101J	CHIP R 100 J 1/16W	
L73		*	L41-2795-09	SMALL FIXED INDUCTOR		R16			RK73GB1J222J	CHIP R 2.2K J 1/16W	
L74		*	L41-2295-09	SMALL FIXED INDUCTOR		R17			RK73GB1J151J	CHIP R 150 J 1/16W	
L75		*	L41-2785-08	SMALL FIXED INDUCTOR		R18,19			RK73FB2A560J	CHIP R 56 J 1/10W	
L77			L33-0695-05	SMALL FIXED INDUCTOR		R20,21			RK73GB1J472J	CHIP R 4.7K J 1/16W	
L78		*	L41-2295-09	SMALL FIXED INDUCTOR		R22			R92-0670-05	CHIP R 0 OHM	
L79		*	L41-1595-09	SMALL FIXED INDUCTOR		R51-60			RK73FB2A470J	CHIP R 47 J 1/10W	
L80		*	L41-1095-09	SMALL FIXED INDUCTOR		R61			RK73GB1J471J	CHIP R 470 J 1/16W	
L81		*	L41-4785-08	SMALL FIXED INDUCTOR		R62-70			RK73GB1J330J	CHIP R 33 J 1/16W	
L82		*	L41-3985-08	SMALL FIXED INDUCTOR		R71-80			RK73FB2A470J	CHIP R 47 J 1/10W	
L83		*	L41-2785-08	SMALL FIXED INDUCTOR		R81			RK73GB1J560J	CHIP R 56 J 1/16W	
L84		*	L41-1885-08	SMALL FIXED INDUCTOR		R82			RK73GB1J472J	CHIP R 4.7K J 1/16W	
L85		*	L41-1585-08	SMALL FIXED INDUCTOR		R151			RK73GB1J103J	CHIP R 10K J 1/16W	
L86			L34-4569-05	AIR-CORE COIL		R152			RK73FB2A221J	CHIP R 220 J 1/10W	
L87		*	L41-2785-08	SMALL FIXED INDUCTOR		R153,154			RK73FB2A121J	CHIP R 120 J 1/10W	
L151			L33-0695-05	SMALL FIXED INDUCTOR		R155			RK73GB1J682J	CHIP R 6.8K J 1/16W	
L152		*	L39-1476-05	TOROIDAL COIL		R156			RK73GB1J104J	CHIP R 100K J 1/16W	
L153			L40-3385-34	SMALL FIXED INDUCTOR (330NH)		R157			RK73GB1J473J	CHIP R 47K J 1/16W	
L154			L40-3391-37	SMALL FIXED INDUCTOR (3.3UH)		R158			RK73GB1J182J	CHIP R 1.8K J 1/16W	
L155		*	L41-1585-08	SMALL FIXED INDUCTOR		R159			RK73GB1J473J	CHIP R 47K J 1/16W	
L156		*	L41-1085-08	SMALL FIXED INDUCTOR		R160			RK73GB1J471J	CHIP R 470 J 1/16W	
L157,158		*	L39-1476-05	TOROIDAL COIL		R161-164			RK73GB1J100J	CHIP R 10 J 1/16W	
L159		*	L39-1480-05	TOROIDAL COIL		R165			RK73GB1J683J	CHIP R 68K J 1/16W	
L160			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		R167			RK73FB2A470J	CHIP R 47 J 1/10W	
L161			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		R168			RK73GB1J470J	CHIP R 47 J 1/16W	
L162			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R170			R92-1252-05	CHIP R 0 OHM J 1/16W	
L163			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		R172			RK73GB1J562J	CHIP R 5.6K J 1/16W	
L164		*	L34-4709-05	COIL		R173			RK73GB1J100J	CHIP R 10 J 1/16W	
L165			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		R174			RK73FB2A471J	CHIP R 470 J 1/10W	
L166-168			L34-4408-05	COIL		R175			RK73FB2A561J	CHIP R 560 J 1/10W	
L251			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		R176			RK73GB1J473J	CHIP R 47K J 1/16W	
L252		*	L39-1476-05	TOROIDAL COIL		R177,178			RK73GB1J681J	CHIP R 680 J 1/16W	
L253		*	L39-1480-05	TOROIDAL COIL		R179			RK73GB1J120J	CHIP R 12 J 1/16W	
L254			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R181			RK73GB1J102J	CHIP R 1.0K J 1/16W	
L255			L40-3985-34	SMALL FIXED INDUCTOR (390NH)		R182,183			RK73GB1J100J	CHIP R 10 J 1/16W	
L256			L40-1085-34	SMALL FIXED INDUCTOR (100NH)		R184			RK73GB1J271J	CHIP R 270 J 1/16W	
L257,258			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		R185			RK73GB1J220J	CHIP R 22 J 1/16W	
L259			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		R186,187			RK73GB1J100J	CHIP R 10 J 1/16W	
L260,261			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R188			RK73GB1J471J	CHIP R 470 J 1/16W	
L262		*	L39-1480-05	TOROIDAL COIL		R189			RK73GB1J681J	CHIP R 680 J 1/16W	
L263			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		R190			RK73GB1J103J	CHIP R 10K J 1/16W	
L264		*	L39-1480-05	TOROIDAL COIL		R191			RK73GB1J102J	CHIP R 1.0K J 1/16W	
L265			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		R192			RK73GB1J333J	CHIP R 33K J 1/16W	
L301-305			L40-1091-37	SMALL FIXED INDUCTOR (1.000UH)		R193			RK73GB1J103J	CHIP R 10K J 1/16W	
XF151		*	L71-0605-05	MCF (73.095MHZ)		R194			RK73FB2A100J	CHIP R 10 J 1/10W	
CP302,303			RK75GB1J103J	CHIP-COM 10K J 1/16W		R195			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R1			RK73GB1J821J	CHIP R 820 J 1/16W		R196			R92-1252-05	CHIP R 0 OHM J 1/16W	
R2			RK73GB1J6R8J	CHIP R 6.8 J 1/16W		R197			RK73GB1J331J	CHIP R 330 J 1/16W	
R3			RK73GB1J821J	CHIP R 820 J 1/16W		R198			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R4			RK73EB2B560J	CHIP R 56 J 1/8W		R199,200			RK73GB1J331J	CHIP R 330 J 1/16W	
R5			RK73GB1J103J	CHIP R 10K J 1/16W		R202			RK73FB2A221J	CHIP R 220 J 1/10W	
R6			RK73GB1J102J	CHIP R 1.0K J 1/16W		R204,205			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R7			RK73EB2B471J	CHIP R 470 J 1/8W		R206			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R8			RK73EB2B181J	CHIP R 180 J 1/8W		R251			RK73GB1J470J	CHIP R 47 J 1/16W	
R9			RK73FB2A100J	CHIP R 10 J 1/10W		R253			RK73FB2A101J	CHIP R 100 J 1/10W	
R10			RK73GB1J473J	CHIP R 47K J 1/16W		R254			RK73GB1J820J	CHIP R 82 J 1/16W	
R11			RK73GB1J331J	CHIP R 330 J 1/16W		R255,256			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R12			RK73GB1J681J	CHIP R 680 J 1/16W		R257			R92-1252-05	CHIP R 0 OHM J 1/16W	
R13			RK73GB1J103J	CHIP R 10K J 1/16W		R258			RK73GB1J471J	CHIP R 470 J 1/16W	
R14			RK73GB1J333J	CHIP R 33K J 1/16W		R259			RK73GB1J331J	CHIP R 330 J 1/16W	

PARTS LIST

RF UNIT (X44-327X-XX)
FINAL UNIT (X45-365X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R260			R92-1252-05	CHIP R 0 OHM J 1/16W		D256			HSB88WS	DIODE	
R262,263			RK73GB1J331J	CHIP R 330 J 1/16W		D301-304			1SS388	DIODE	
R264			RK73GB1J470J	CHIP R 47 J 1/16W		IC251		*	TA4107F	MOS IC	
R265			RK73GB1J474J	CHIP R 470K J 1/16W		IC301			BU2099FV	MOS IC	
R266			RK73GB1J100J	CHIP R 10 J 1/16W		Q1		*	KRA318E	DIGITAL TRANSISTOR	
R268			RK73GB1J103J	CHIP R 10K J 1/16W		Q2		*	HN7G01FU	TRANSISTOR	
R269			RK73GB1J392J	CHIP R 3.9K J 1/16W		Q3			2SK2596	FET	
R270			RK73GB1J332J	CHIP R 3.3K J 1/16W		Q4			2SD1757K	TRANSISTOR	
R271			RK73GB1J182J	CHIP R 1.8K J 1/16W		Q51-60		*	KRA318E	DIGITAL TRANSISTOR	
R275			RK73GB1J100J	CHIP R 10 J 1/16W		Q151			KRC402E	DIGITAL TRANSISTOR	
R276			RK73GB1J471J	CHIP R 470 J 1/16W		Q152			RN47A5	TRANSISTOR	
R277			RK73GB1J103J	CHIP R 10K J 1/16W		Q153,154			3SK131(M)	FET	
R278,279			RK73GB1J331J	CHIP R 330 J 1/16W		Q155		*	KRC418E	DIGITAL TRANSISTOR	
R280			RK73GB1J470J	CHIP R 47 J 1/16W		Q156,157			2SK520(K44)	FET	
R281			R92-1252-05	CHIP R 0 OHM J 1/16W		Q158		*	HN7G01FU	TRANSISTOR	
R282			RK73GB1J331J	CHIP R 330 J 1/16W		Q159			2SK2596	FET	
R283			RK73GB1J100J	CHIP R 10 J 1/16W		Q160,161			2SK520(K44)	FET	
R284			RK73GB1J124J	CHIP R 120K J 1/16W		Q251			2SK1830	FET	
R285			RK73GB1J331J	CHIP R 330 J 1/16W		Q252			2SC3356	TRANSISTOR	
R286			RK73GB1J220J	CHIP R 22 J 1/16W		Q253		*	3SK317	FET	
R287			RK73GB1J331J	CHIP R 330 J 1/16W		Q255			2SC3356	TRANSISTOR	
R288			RK73GB1J180J	CHIP R 18 J 1/16W		Q256		*	KRC418E	DIGITAL TRANSISTOR	
R289			RK73GB1J331J	CHIP R 330 J 1/16W		Q301,302			KRC402E	DIGITAL TRANSISTOR	
R290			RK73GB1J470J	CHIP R 47 J 1/16W		TH251			157-101-65001	THERMISTOR	
R291			RK73GB1J101J	CHIP R 100 J 1/16W							
R292			R92-1252-05	CHIP R 0 OHM J 1/16W		FINAL UNIT (X45-365X-XX) 0-11 : KS 2-71 : ES					
R293			RK73GB1J330J	CHIP R 33 J 1/16W		D100		*	B30-2263-15	LED (R/LOWER)	
R294			RK73GB1J221J	CHIP R 220 J 1/16W		C6,7			CK73FB1E104K	CHIP C 0.10UF K	
R295			RK73GB1J471J	CHIP R 470 J 1/16W		C9,10			CK73FB1E104K	CHIP C 0.10UF K	
R296			RK73GB1J220J	CHIP R 22 J 1/16W		C13,14			CK73FB1E104K	CHIP C 0.10UF K	
R297			RK73GB1J470J	CHIP R 47 J 1/16W		C16			CK73FB1H102K	CHIP C 1000PF K	
R298			RK73GB1J681J	CHIP R 680 J 1/16W		C17			CK73FB1E104K	CHIP C 0.10UF K	
R301			RK73GB1J101J	CHIP R 100 J 1/16W		C18			CE04EW1E100M	ELECTRO 10UF 25WV	
R313			RK73GB1J473J	CHIP R 47K J 1/16W		C19			CE04EW1E331M	ELECTRO 330UF 25WV	
R314			R92-1252-05	CHIP R 0 OHM J 1/16W		C21			CK73FB1E104K	CHIP C 0.10UF K	
R315			RK73GB1J473J	CHIP R 47K J 1/16W		C22			CK73FB1H103K	CHIP C 0.010UF K	
R316,317			RK73GB1J103J	CHIP R 10K J 1/16W		C23			CK73FB1E104K	CHIP C 0.10UF K	
R401			R92-1061-05	JUMPER REST 0 OHM		C27			CK73FB1H103K	CHIP C 0.010UF K	
K1			S51-1428-05	RELAY		C28			CK73FB1E104K	CHIP C 0.10UF K	
D1			MA2S111	DIODE		C29			CE04EW1E101M	ELECTRO 100UF 25WV	
D2			V08(G)	DIODE		C30			CE04EW1E331M	ELECTRO 330UF 25WV	
D3,4			RLS245	DIODE		C32			CM73F2H181J	CHIP C 180PF J	
D5			V08(G)	DIODE		C33,34			CE04EW1E100M	ELECTRO 10UF 25WV	
D51,52			HVC131	DIODE		C35,36			CK73FB1E104K	CHIP C 0.10UF K	
D53			LFB01	DIODE		C37,38		*	C93-0716-05	CHIP C 3300PF K	
D54			HVC131	DIODE		C39			CE04EW1E100M	ELECTRO 10UF 25WV	
D55		*	RN731V	DIODE		C40,41			CK73FB1E104K	CHIP C 0.10UF K	
D56-59			1SV312	DIODE		C42			CE04EW1E221M	ELECTRO 220UF 25WV	
D60			HVC131	DIODE		C43-45			CK73FB1E104K	CHIP C 0.10UF K	
D61-69			HSC277	DIODE		C46,47			CM73F2H331J	CHIP C 330PF J	
D151			HSC277	DIODE		C48			CK73FB1E104K	CHIP C 0.10UF K	
D152		*	1SV312	DIODE		C49			CE04EW1E101M	ELECTRO 100UF 25WV	
D154,155			DAN235E	DIODE		C50			CK73FB1E104K	CHIP C 0.10UF K	
D156			HSC277	DIODE		C51,52			C93-0560-05	CHIP C 10PF D	
D251			HSC277	DIODE		C53			C91-2691-05	CERAMIC 470PF 250WV	
D252			DAN235E	DIODE		C54			CE04EW1E471M	ELECTRO 470UF 25WV	
D253			MA2S111	DIODE		C55			CK73FB1E104K	CHIP C 0.10UF K	
D254			RN731V	DIODE							
D255			DAN235E	DIODE							

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

FINAL UNIT (X45-365X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C57			CE04EW1E471M	ELECTRO 470UF 25WV		C306			CC45FSL2H270J	CERAMIC 27PF J	
C58,59			CK73FB1H103K	CHIP C 0.010UF K		C307			CC45FSL2H271J	CERAMIC 270PF J	
C61			CK73FB1E104K	CHIP C 0.10UF K		C309			C93-0569-05	CHIP C 56PF J	
C62			CK73FB1H102K	CHIP C 1000PF K		C310			CC45FSL2H181J	CERAMIC 180PF J	
C63			CK73FB1E104K	CHIP C 0.10UF K		C311			CK73FB1H103K	CHIP C 0.010UF K	
C64			CE04EW1E100M	ELECTRO 10UF 25WV		C312			C93-0554-05	CHIP C 4.0PF C	
C65			CK73FB1H102K	CHIP C 1000PF K		C352			CC45FSL2H101J	CERAMIC 100PF J	
C66			CK73FB1H103K	CHIP C 0.010UF K		C354			C93-0558-05	CHIP C 8.0PF D	
C67		*	C90-4116-05	ELECTRO 22UF 16WV		C355			CC45FSL2H271J	CERAMIC 270PF J	
C68			CK73FB1H103K	CHIP C 0.010UF K		C356			CC45FSL2H470J	CERAMIC 47PF J	
C69			CK73FB1H102K	CHIP C 1000PF K		C357			CC45FSL2H151J	CERAMIC 150PF J	
C70			C93-0568-05	CHIP C 47PF J		C359			CK73FB1H103K	CHIP C 0.010UF K	
C71			CM73F2H221J	CHIP C 220PF J		C402			CC45FSL2H330J	CERAMIC 33PF J	
C72			CE04EW1HR22M	ELECTRO 0.22UF 50WV		C403			CC45FSL2H560J	CERAMIC 56PF J	
C73			CK73FB1H103K	CHIP C 0.010UF K		C404			CC45FSL2H121J	CERAMIC 120PF J	
C74,75		*	C93-0716-05	CHIP C 3300PF K		C405			CC45FSL2H180J	CERAMIC 18PF J	
C76			CK73FB1H103K	CHIP C 0.010UF K		C407			CC45FSL2H151J	CERAMIC 150PF J	
C77			CM73F2H271J	CHIP C 270PF J		C408			CC45FSL2H050C	CERAMIC 5.0PF C	
C78			CK73FB1H102K	CHIP C 1000PF K		C410			CC45FSL2H820J	CERAMIC 82PF J	
C79			CK73FB1H103K	CHIP C 0.010UF K		C411			CK73FB1H103K	CHIP C 0.010UF K	
C80			CK73FB1H102K	CHIP C 1000PF K		C412			C93-0562-05	CHIP C 15PF J	
C81			CK73FB1E104K	CHIP C 0.10UF K		C413			C93-0563-05	CHIP C 18PF J	
C90-93			CK45FB1H103K	CERAMIC 0.010UF K		C451			CK73FB1H103K	CHIP C 0.010UF K	
C94			C93-0572-05	CHIP C 100PF J		C452			CC45FSL2H220J	CERAMIC 22PF J	
C95			C93-0568-05	CHIP C 47PF J		C454			C93-0555-05	CHIP C 5.0PF C	
C96			C93-0572-05	CHIP C 100PF J		C456			CC45FSL2H560J	CERAMIC 56PF J	
C97			C93-0568-05	CHIP C 47PF J		C458			C93-0563-05	CHIP C 18PF J	
C102			CM73F2H102J	CHIP C 1000PF J		C459			CC45FSL2H560J	CERAMIC 56PF J	
C103			CM73F2H561J	CHIP C 560PF J		C461			C93-0563-05	CHIP C 18PF J	
C104			CC45FSL2H680J	CERAMIC 68PF J		C462			CC45FSL2H220J	CERAMIC 22PF J	
C105			CM73F2H102J	CHIP C 1000PF J		C463			CK73FB1H103K	CHIP C 0.010UF K	
C106			CM73F2H821J	CHIP C 820PF J		C502			CK73FB1H102K	CHIP C 1000PF K	
C107			CC45FSL2H121J	CERAMIC 120PF J		C503			CK73FB1H103K	CHIP C 0.010UF K	
C108			CC45FSL2H680J	CERAMIC 68PF J		C504			CC73FCH1H680J	CHIP C 68PF J	
C109			CM73F2H102J	CHIP C 1000PF J		C505			CK73FB1E104K	CHIP C 0.10UF K	
C111			CK73FB1H103K	CHIP C 0.010UF K		C506			CK73FB1H102K	CHIP C 1000PF K	
C152			CM73F2H561J	CHIP C 560PF J		C507			CC45FCH2H030C	CERAMIC 3.0PF C	
C154			CC45FSL2H331J	CERAMIC 330PF J		C508			CC73FCH1H560J	CHIP C 56PF J	
C155			CM73F2H102J	CHIP C 1000PF J		C509			CK73FB1H102K	CHIP C 1000PF K	
C157			CC45FSL2H151J	CERAMIC 150PF J		C511-522			CK73FB1H103K	CHIP C 0.010UF K	
C158			CM73F2H561J	CHIP C 560PF J		C523			CK73FB1H102K	CHIP C 1000PF K	
C159			CK73FB1H103K	CHIP C 0.010UF K		C525,526			CK73FB1H103K	CHIP C 0.010UF K	
C202			CC45FSL2H181J	CERAMIC 180PF J		C527			CE04EW1C470M	ELECTRO 47UF 16WV	
C203,204			CC45FSL2H121J	CERAMIC 120PF J		C528			CK73FB1H103K	CHIP C 0.010UF K	
C205			CM73F2H561J	CHIP C 560PF J		C529			CC73FCH1H470J	CHIP C 47PF J	
C206			C93-0570-05	CHIP C 68PF J		C530			CK73FB1H103K	CHIP C 0.010UF K	
C207			C93-0569-05	CHIP C 56PF J		C531			CC73FCH1H470J	CHIP C 47PF J	
C208			CM73F2H681J	CHIP C 680PF J		C535			CK73FB1H103K	CHIP C 0.010UF K	
C209			C93-0567-05	CHIP C 39PF J		C536			CC73FCH1H100D	CHIP C 10PF D	
C210			CC45FSL2H391J	CERAMIC 390PF J		C537			CC73FCH1H080D	CHIP C 8.0PF D	
C211			CK73FB1H103K	CHIP C 0.010UF K		C801			CK73FB1H102K	CHIP C 1000PF K	
C212			C93-0570-05	CHIP C 68PF J		C802			CK73FB1E104K	CHIP C 0.10UF K	
C252			CC45FSL2H151J	CERAMIC 150PF J		C803,804			CK73FB1H103K	CHIP C 0.010UF K	
C254			CC45FSL2H470J	CERAMIC 47PF J		C805			CK73FB1E104K	CHIP C 0.10UF K	
C255,256			CC45FSL2H221J	CERAMIC 220PF J		C806,807			CK73FB1H103K	CHIP C 0.010UF K	
C257			C93-0560-05	CHIP C 10PF D		C808			CK73FB1E104K	CHIP C 0.10UF K	
C258			CC45FSL2H101J	CERAMIC 100PF J		C809-814			CK73FB1H103K	CHIP C 0.010UF K	
C259			CC45FSL2H271J	CERAMIC 270PF J		C815			CK73FB1E104K	CHIP C 0.10UF K	
C260			CK73FB1H103K	CHIP C 0.010UF K		C816-821			CK73FB1H103K	CHIP C 0.010UF K	
C304			CC45FSL2H181J	CERAMIC 180PF J		C822			CK73FB1E104K	CHIP C 0.10UF K	

PARTS LIST

FINAL UNIT (X45-365X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
C823,824			C91-3115-05	HV CAP 10PF 2KV		L14			L39-1434-05	TOROIDAL COIL	
C825,826			CK73FB1H103K	CHIP C 0.010UF K		L15			L39-1450-05	TOROIDAL COIL	
C827-832			C91-3115-05	HV CAP 10PF 2KV		L16,17			L33-0699-05	CHOKE COIL	
C833-836			CK73FB1H103K	CHIP C 0.010UF K		L18			L39-1451-05	TOROIDAL COIL	
C837-844			C91-3115-05	HV CAP 10PF 2KV		L19			L40-4795-34	SMALL FIXED INDUCTOR (4.7UH)	
C845-848			CK73FB1H103K	CHIP C 0.010UF K		L20			L33-0651-05	CHOKE COIL	
C849,850			C91-3126-05	HV CAP 10PF 3KV		L21		*	L39-1490-05	TOROIDAL COIL	
C851-854			CK73FB1H103K	CHIP C 0.010UF K		L24			L33-0617-15	CHOKE COIL	
C855,856			C91-3127-05	HV CAP 18PF 3KV		L25,26			L92-0131-05	FERRITE CHIP	
C857-860			CK73FB1H103K	CHIP C 0.010UF K		L27			L34-1231-15	AIR-CORE COIL	
C861-864			C91-3127-05	HV CAP 18PF 3KV		L28		*	L39-1485-05	TOROIDAL COIL	
C865-868			CK73FB1H103K	CHIP C 0.010UF K		L29			L92-0131-05	FERRITE CHIP	
C869-872			C91-3123-05	HV CAP 150PF 3KV		L30-35			L33-0699-05	CHOKE COIL	
C873-876			CK73FB1H103K	CHIP C 0.010UF K		L36			L92-0149-05	FERRITE CHIP	
C877,878			C91-3123-05	HV CAP 150PF 3KV		L90,91			L39-0421-04	COIL	
C879-882			CK73FB1H103K	CHIP C 0.010UF K		L101			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
C883,884			C91-3123-05	HV CAP 150PF 3KV		L102			L39-1259-05	TOROIDAL COIL	
C885-887			CK73FB1H103K	CHIP C 0.010UF K		L103			L39-1260-05	TOROIDAL COIL	
C888			C91-3123-05	HV CAP 150PF 3KV		L151			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
C889			CK73FB1H103K	CHIP C 0.010UF K		L152			L39-1405-05	TOROIDAL COIL	
C890			C91-3123-05	HV CAP 150PF 3KV		L153			L39-1225-05	TOROIDAL COIL	
C891,892			CK73FB1H103K	CHIP C 0.010UF K	KS	L201			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
C893,894			CK73FB1E104K	CHIP C 0.10UF K		L202			L39-1266-05	TOROIDAL COIL	
C895-910			CK73FB1H103K	CHIP C 0.010UF K		L203,204			L39-1223-05	TOROIDAL COIL	
TC501			C05-0031-15	CERAMIC TRIMMER CAP (10P)		L251			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
CN1			E04-0154-05	PIN SOCKET		L252,253			L39-1221-05	TOROIDAL COIL	
CN2			E40-5978-05	FLAT CABLE CONNECTOR		L301			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
CN3			E40-5608-05	PIN ASSY		L302			L34-1278-05	AIR-CORE COIL	
CN4			E40-5607-05	PIN ASSY		L303,304			L39-1221-05	TOROIDAL COIL	
CN5			E40-3246-05	PIN ASSY		L351			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
CN8			E40-3252-05	PIN ASSY		L352			L34-1279-05	AIR-CORE COIL	
CN9			E40-3246-05	PIN ASSY		L353			L34-1280-05	AIR-CORE COIL	
CN11			E04-0154-05	PIN SOCKET		L401			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
CN12,13			E23-0996-05	TEST TERMINAL		L402			L34-4661-05	AIR-CORE COIL	
CN101			E40-5734-05	FLAT CABLE CONNECTOR		L403,404			L34-1281-05	AIR-CORE COIL	
CN102			E04-0191-05	PIN SOCKET		L405			L92-0131-05	FERRITE CHIP	
CN501			E40-5739-05	FLAT CABLE CONNECTOR		L451			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
CN502			E40-5758-05	FLAT CABLE CONNECTOR		L452			L34-4662-05	AIR-CORE COIL	
CN503-505			E04-0190-05	PIN SOCKET		L453			L34-4491-05	AIR-CORE COIL	
CN819,820			E04-0154-05	PIN SOCKET		L454			L34-1359-05	AIR-CORE COIL	
W1		*	E37-1056-05	LEAD WIRE WITH TERMINAL	KS	L455			L92-0131-05	FERRITE CHIP	
W1		*	E37-1104-05	LEAD WIRE WITH TERMINAL	ES	L501			L40-1021-33	SMALL FIXED INDUCTOR	
F1			F53-0093-05	FUSE		L502			L39-0480-15	TOROIDAL COIL	
F2			F53-0108-05	FUSE		L503			L40-1005-85	SMALL FIXED INDUCTOR (10UH)	
F3			F06-4027-05	FUSE (BLADE) (4A/32V)		L504			L40-1021-33	SMALL FIXED INDUCTOR	
CN6,7			J13-0410-05	FUSE HOLDER		L505			L39-1442-05	TOROIDAL COIL	
-			L92-0104-05	TROIDAL CORE		L506			L39-1443-05	TOROIDAL COIL	
-			L92-0105-05	TROIDAL CORE		L507-510			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
-			L92-0107-05	TROIDAL CORE		L511		*	L41-1585-09	SMALL FIXED INDUCTOR	
-			L92-0108-05	TROIDAL CORE		L801-803			L39-1441-05	TOROIDAL COIL	
L1			L40-1505-34	SMALL FIXED INDUCTOR (15UH)		L804			L40-1001-12	SMALL FIXED INDUCTOR	
L2			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L805			L39-1441-05	TOROIDAL COIL	
L6			L92-0149-05	FERRITE CHIP		L806,807			L39-1440-05	TOROIDAL COIL	
L7		*	L39-1488-05	TOROIDAL COIL		L808			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L8			L92-0131-05	FERRITE CHIP		L809			L34-4633-05	AIR-CORE COIL	
L11			L33-0699-05	CHOKE COIL		L810			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L12			L40-1001-12	SMALL FIXED INDUCTOR		L811			L34-4630-05	AIR-CORE COIL	
L13		*	L39-1491-15	TOROIDAL COIL		L812			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
						L813			L34-4490-05	AIR-CORE COIL	
						L814			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	

KH : TS-480HX (K)

KS : TS-480SAT (K)

EH : TS-480HX (E)

ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

FINAL UNIT (X45-365X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
L815			L34-4490-05	AIR-CORE COIL	KS	R512,513			RK73FB2A104J	CHIP R 100K J 1/10W	KS
L816			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R514,515			RK73FB2A103J	CHIP R 10K J 1/10W	
L817			L34-4628-05	AIR-CORE COIL		R516,517			RK73FB2A152J	CHIP R 1.5K J 1/10W	
L818			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R518,519			RK73FB2A102J	CHIP R 1.0K J 1/10W	
L819			L34-4490-05	AIR-CORE COIL		R520,521			RK73FB2A105J	CHIP R 1.0M J 1/10W	
L820			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R530			RK73FB2A153J	CHIP R 15K J 1/10W	
L821			L34-4490-05	AIR-CORE COIL		R531-534			RK73FB2A101J	CHIP R 100 J 1/10W	
L822-838			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R535-538			RK73FB2A104J	CHIP R 100K J 1/10W	
L891			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R539			RK73FB2A103J	CHIP R 10K J 1/10W	
R1,2			RK73FB2A470J	CHIP R 47 J 1/10W		R550			RK73FB2A391J	CHIP R 390 J 1/10W	
R3			RK73FB2A331J	CHIP R 330 J 1/10W		R552			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R4			RK73FB2A470J	CHIP R 47 J 1/10W		R553			RK73FB2A182J	CHIP R 1.8K J 1/10W	
R5			RK73FB2A100J	CHIP R 10 J 1/10W		R554			R92-1061-05	JUMPER REST 0 OHM	
R7,8			RK73FB2A470J	CHIP R 47 J 1/10W		R891			RK73FB2A471J	CHIP R 470 J 1/10W	
R10			RK73FB2A221J	CHIP R 220 J 1/10W	KS	VR1-3			R12-6737-05	TRIMMING POT. (3.3K)	
R11			RK73FB2A100J	CHIP R 10 J 1/10W		VR501			R12-6730-05	TRIMMING POT. (220)	
R12			RK73FB2A122J	CHIP R 1.2K J 1/10W		VR502			R12-6742-05	TRIMMING POT. (22K)	
R14			RK73FB2A470J	CHIP R 47 J 1/10W		W501-506			R92-0150-05	JUMPER REST 0 OHM	
R15			RK73FB2A220J	CHIP R 22 J 1/10W		K101,102			S76-0423-05	RELAY	
R16			RK73FB2A391J	CHIP R 390 J 1/10W		K151,152			S76-0423-05	RELAY	
R17			RK73FB2A102J	CHIP R 1.0K J 1/10W		K201,202			S76-0423-05	RELAY	
R18			RK73FB2A332J	CHIP R 3.3K J 1/10W		K251,252			S76-0423-05	RELAY	
R19			RK73FB2A102J	CHIP R 1.0K J 1/10W		K301,302			S76-0423-05	RELAY	
R20			RK73FB2A562J	CHIP R 5.6K J 1/10W		K351,352			S76-0423-05	RELAY	
R21,22			RK73FB2A470J	CHIP R 47 J 1/10W		K401,402			S51-1420-05	RELAY	
R23			RS14DB3D101J	FL-PROOF RS 100 J 2W		K451,452			S51-1420-05	RELAY	
R24			RK73EB2B391J	CHIP R 390 J 1/8W		K501			S51-1429-05	RELAY	
R25			R92-3510-05	CHIP R 2.2 J 1W		K502,503			S76-0424-05	RELAY	
R28			R92-3510-05	CHIP R 2.2 J 1W	KS	K801-808			S76-0415-05	RELAY	
R29,30			R92-3511-05	CHIP R 8.2 J 1/2W		K809-824			S76-0419-05	RELAY	
R31,32			R92-1240-05	CHIP R 10 J 1/4W		K891			S76-0415-05	RELAY	
R33			RK73FB2A103J	CHIP R 10K J 1/10W		D1,2			MA27-B	VARISTOR	
R34			RK73FB2A223J	CHIP R 22K J 1/10W		D3			ZSH5MA27	SURGE ABSORBER	
R35	*		R92-3559-05	METAL FILM R 0.01 J 10W		D4			1SS355	DIODE	
R36			R92-1274-05	CHIP R 56 J 1/2W		D101			1SS355	DIODE	
R37			R92-0696-05	CHIP R 33 J 1/4W		D151			1SS355	DIODE	
R38			RK73FB2A223J	CHIP R 22K J 1/10W		D201			1SS355	DIODE	
R39			RK73FB2A103J	CHIP R 10K J 1/10W		D251			1SS355	DIODE	
R42			RK73FB2A470J	CHIP R 47 J 1/10W		D301			1SS355	DIODE	
R47		*	R92-3574-05	RESISTOR 0.1 J 2W		D351			1SS355	DIODE	
R49			RK73FB2A223J	CHIP R 22K J 1/10W		D401			1SS355	DIODE	
R50			RK73FB2A103J	CHIP R 10K J 1/10W	KS	D451			1SS355	DIODE	
R51			RK73FB2A681J	CHIP R 680 J 1/10W		D501,502			1SS348	DIODE	
R52			RK73FB2A822J	CHIP R 8.2K J 1/10W		D503			1SS355	DIODE	
R53			R92-2018-05	CHIP R 560 J 1/2W		D504,505			HSM88AS	DIODE	
R54			RS14DB3A101J	FL-PROOF RS 100 J 1W		D506,507			1SS355	DIODE	
R55			RK73FB2A100J	CHIP R 10 J 1/10W		D508,509			DSA301LA	DIODE	
R56-61			RK73EB2B1R0J	CHIP R 1.0 J 1/8W		D801-824			1SS355	DIODE	
R90,91			RS14DB3F820J	FL-PROOF RS 82 J 3W		D891			1SS355	DIODE	
R92			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W		IC1			TA7805F	MOS IC	
R101-105			R92-0679-05	CHIP R 0 OHM		IC2			TA7808F	ANALOG IC	
R501			RK73FB2A100J	CHIP R 10 J 1/10W	KS	IC501			BU2099FV	MOS IC	
R502			R92-0686-05	CHIP R 33 J 1/2W		IC502			TA75S393F	MOS IC	
R503			R92-1212-05	CHIP R 27 J 1/2W		IC503			TC7WH74FU	MOS IC	
R504			RK73FB2A102J	CHIP R 1.0K J 1/10W		IC509,510			TC7SHU04F	MOS IC	
R505			R92-1316-05	CHIP R 39 J 1W		IC801-803			UPD6345GS	MOS IC	
R506,507			RK73FB2A101J	CHIP R 100 J 1/10W		IC804,805			TC7WT125FU	MOS IC	
R508,509			RK73FB2A102J	CHIP R 1.0K J 1/10W		Q1			2SK2596	FET	
R510,511			RK73FB2A101J	CHIP R 100 J 1/10W		Q2			2SK2595	FET	

PARTS LIST

FINAL UNIT (X45-365X-XX)

FINAL UNIT (X45-366X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
Q3			2SC3421(Y)	TRANSISTOR		C75			CE04EW1HR22M	ELECTRO 0.22UF 50WV	
Q4,5			2SC2782	TRANSISTOR		C76-78			CK45FB1H103K	CERAMIC 0.010UF K	
Q6		*	SI7445DP	FET		C79			CK73FB1E104K	CHIP C 0.10UF K	
Q7			DTC114EKA	DIGITAL TRANSISTOR		C80			CM73F2H331J	CHIP C 330PF J	
Q8,9			2SD1757K	TRANSISTOR		C81			CM73F2H391J	CHIP C 390PF J	
Q10			2SJ305	FET		C102			CM73F2H102J	CHIP C 1000PF J	
Q11			DTC114EKA	DIGITAL TRANSISTOR		C103			CM73F2H561J	CHIP C 560PF J	
Q501-505			FMA5A	TRANSISTOR		C104			C93-0570-05	CHIP C 68PF J	
Q506,507			2SK208(GR)	FET		C105			CM73F2H102J	CHIP C 1000PF J	
Q508			RN47A5	TRANSISTOR		C106			CM73F2H821J	CHIP C 820PF J	
Q891			DTC114EKA	DIGITAL TRANSISTOR	KS	C107			CC45FSL2H121J	CERAMIC 120PF J	
TH1			157-153-53002	THERMISTOR		C108			C93-0570-05	CHIP C 68PF J	
-			212-1021-05	INSULATING TUBE		C109			CM73F2H102J	CHIP C 1000PF J	
FINAL UNIT (X45-366X-XX) 0-00 : KH 2-71 : EH						C111			CK73FB1H103K	CHIP C 0.010UF K	
D100		*	B30-2263-15	LED (R)		C152			CM73F2H561J	CHIP C 560PF J	
C4,5			CK73FB1E104K	CHIP C 0.10UF K		C153			C93-0565-05	CHIP C 27PF J	
C8			CK73FB1E104K	CHIP C 0.10UF K		C154			CC45FSL2H221J	CERAMIC 220PF J	
C10-12			CK73FB1E104K	CHIP C 0.10UF K		C155			CM73F2H102J	CHIP C 1000PF J	
C13			CK73FB1C105K	CHIP C 1.0UF K		C156			CC45FSL2H151J	CERAMIC 150PF J	
C14			CK73FB1E104K	CHIP C 0.10UF K		C158			CC45FSL2H101J	CERAMIC 100PF J	
C15			CK73FB1H102K	CHIP C 1000PF K		C159			CM73F2H681J	CHIP C 680PF J	
C17			CK73FB1E104K	CHIP C 0.10UF K		C160			CK73FB1H103K	CHIP C 0.010UF K	
C18			CE04EW1E100M	ELECTRO 10UF 25WV		C202			CM73F2H221J	CHIP C 220PF J	
C20			CE04EW1E471M	ELECTRO 470UF 25WV		C203,204			C93-0572-05	CHIP C 100PF J	
C21,22			CK73FB1E104K	CHIP C 0.10UF K		C205			C93-0571-05	CHIP C 82PF J	
C23			CK73FB1E103K	CHIP C 0.010UF K		C206			C93-0570-05	CHIP C 68PF J	
C27		*	C90-4116-05	ELECTRO 22UF 25WV		C207			CM73F2H471J	CHIP C 470PF J	
C29			CK73FB1E104K	CHIP C 0.10UF K		C208			C93-0570-05	CHIP C 68PF J	
C31,32			CK73FB1E103K	CHIP C 0.010UF K		C209			C93-0569-05	CHIP C 56PF J	
C34			CE04EW1E331M	ELECTRO 330UF 25WV		C210			CM73F2H561J	CHIP C 560PF J	
C35			CM73F2H561J	CHIP C 560PF J		C211			C93-0572-05	CHIP C 100PF J	
C36,37			CE04EW1E100M	ELECTRO 10UF 25WV		C212			C93-0567-05	CHIP C 39PF J	
C38,39			CK73FB1E104K	CHIP C 0.10UF K		C213			CM73F2H331J	CHIP C 330PF J	
C40,41		*	C93-0716-05	CHIP C 3300PF K		C214			C93-0563-05	CHIP C 18PF J	
C42			CE04EW1E100M	ELECTRO 10UF 25WV		C215			CK73FB1H103K	CHIP C 0.010UF K	
C43,44			CK73FB1E104K	CHIP C 0.10UF K		C253			C93-0570-05	CHIP C 68PF J	
C46-48			CK73FB1E104K	CHIP C 0.10UF K		C254			C93-0567-05	CHIP C 39PF J	
C49			CM73F2H391J	CHIP C 390PF J		C255			CC45FSL2H391J	CERAMIC 390PF J	
C50			CM73F2H331J	CHIP C 330PF J		C256			C93-0567-05	CHIP C 39PF J	
C51			CK73FB1E104K	CHIP C 0.10UF K		C257			C93-0566-05	CHIP C 33PF J	
C52			CE04EW1E101M	ELECTRO 100UF 25WV		C259			CC45FSL2H271J	CERAMIC 270PF J	
C53			CK73FB1E104K	CHIP C 0.10UF K		C261			CK73FB1H103K	CHIP C 0.010UF K	
C54			CE04EW1E471M	ELECTRO 470UF 25WV		C305			CC45FSL2H151J	CERAMIC 150PF J	
C55			CK73FB1E104K	CHIP C 0.10UF K		C306			CC45FSL2H121J	CERAMIC 120PF J	
C56			C91-2691-05	CERAMIC 470PF 250WV		C307,308			C93-0564-05	CHIP C 22PF J	
C57			CK73FB1E104K	CHIP C 0.10UF K		C309			CC45FSL2H151J	CERAMIC 150PF J	
C60			CM73F2H331J	CHIP C 330PF J		C310			CC45FSL2H181J	CERAMIC 180PF J	
C61			CK73FB1H103K	CHIP C 0.010UF K		C311			C93-0564-05	CHIP C 22PF J	
C62			CK73FB1H102K	CHIP C 1000PF K		C313			CC45FSL2H101J	CERAMIC 100PF J	
C63			CE04EW1E471M	ELECTRO 470UF 25WV		C315			CK73FB1H103K	CHIP C 0.010UF K	
C64,65			CK73FB1H103K	CHIP C 0.010UF K		C355			C93-0564-05	CHIP C 22PF J	
C66-71		*	C93-0716-05	CHIP C 3300PF K		C356			CC45FSL2H181J	CERAMIC 180PF J	
C72			CK45FB1H103K	CERAMIC 0.010UF K		C357			C93-0565-05	CHIP C 27PF J	
C73			CK73FB1E104K	CHIP C 0.10UF K		C358			CC45FSL2H221J	CERAMIC 220PF J	
C74			CK73FB1H103K	CHIP C 0.010UF K		C359			C93-0568-05	CHIP C 47PF J	
						C360			C93-0560-05	CHIP C 10PF D	
						C362			CC45FSL2H151J	CERAMIC 150PF J	
						C363			CK73FB1H103K	CHIP C 0.010UF K	
						C402			CC45FSL2H151J	CERAMIC 150PF J	
						C403			C93-0570-05	CHIP C 68PF J	

KH : TS-480HX (K) KS : TS-480SAT (K)

EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

FINAL UNIT (X45-366X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
C406			C93-0563-05	CHIP C 18PF J	
C408			CC45FSL2H181J	CERAMIC 180PF J	
C409			C93-0560-05	CHIP C 10PF D	
C410			C93-0555-05	CHIP C 5.0PF C	
C412			C93-0571-05	CHIP C 82PF J	
C413			CK73FB1H103K	CHIP C 0.010UF K	
C451			CK73FB1H103K	CHIP C 0.010UF K	
C452			C93-0567-05	CHIP C 39PF J	
C453			C93-0565-05	CHIP C 27PF J	
C454			C93-0571-05	CHIP C 82PF J	
C455			C93-0562-05	CHIP C 15PF J	
C456			C93-0556-05	CHIP C 6.0PF D	
C457			C93-0572-05	CHIP C 100PF J	
C459			C93-0568-05	CHIP C 47PF J	
C460			CK73FB1H103K	CHIP C 0.010UF K	
C461,462			C93-0569-05	CHIP C 56PF J	
C463			C93-0567-05	CHIP C 39PF J	
C464			C93-0555-05	CHIP C 5.0PF C	
C465			C93-0565-05	CHIP C 27PF J	
C501			CK73FB1H102K	CHIP C 1000PF K	
C502			CK73FB1H103K	CHIP C 0.010UF K	
C503			CC73FCH1H680J	CHIP C 68PF J	
C504			CK73FB1E104K	CHIP C 0.10UF K	
C505			CK73FB1H102K	CHIP C 1000PF K	
C506			CC45FCH2H030C	CERAMIC 3.0PF C	
C507			CC73FCH1H560J	CHIP C 56PF J	
C508			CK73FB1H102K	CHIP C 1000PF K	
C509,510			CK73FB1H103K	CHIP C 0.010UF K	
C511,512			CC73FCH1H470J	CHIP C 47PF J	
C535			CK73FB1H103K	CHIP C 0.010UF K	
C536			CC73GCH1H080D	CHIP C 8.0PF D	
C800			CM73F2H391J	CHIP C 390PF J	
C801			CM73F2H560J	CHIP C 56PF J	
C803			CE04EW1E100M	ELECTRO 10UF 25WV	
C804			CK73FB1E104K	CHIP C 0.10UF K	
C805			CM73F2H561J	CHIP C 560PF J	
C806			CK73FB1E104K	CHIP C 0.10UF K	
C807			CE04EW1E100M	ELECTRO 10UF 25WV	
C808,809		*	C93-0716-05	CHIP C 3300PF K	
C810			CK73FB1E104K	CHIP C 0.10UF K	
C811			CM73F2H391J	CHIP C 390PF J	
C812			CM73F2H331J	CHIP C 330PF J	
C814			CK73FB1E104K	CHIP C 0.10UF K	
C816			CE04EW1E101M	ELECTRO 100UF 25WV	
C817			CK73FB1E104K	CHIP C 0.10UF K	
C819			CM73F2H560J	CHIP C 56PF J	
C821			C91-2691-05	CERAMIC 470PF 250WV	
C822			CE04EW1E471M	ELECTRO 470UF 25WV	
C823			CM73F2H331J	CHIP C 330PF J	
C824			CK73FB1E104K	CHIP C 0.10UF K	
C826			CK73FB1E104K	CHIP C 0.10UF K	
C827			CK73FB1H103K	CHIP C 0.010UF K	
C828			CE04EW1HR22M	ELECTRO 0.22UF 50WV	
C829			CK45FB1H103K	CERAMIC 0.010UF K	
C830-835		*	C93-0716-05	CHIP C 3300PF K	
C836			CK45FB1H103K	CERAMIC 0.010UF K	
C837			CK73FB1E104K	CHIP C 0.10UF K	
C838			CE04CW1E100M	ELECTRO 10UF 25WV	
C839,840			CK45FB1H103K	CERAMIC 0.01UF K	
C841			C93-0553-05	CHIP C 3.0PF C	
Ref. No.	Address	New parts	Parts No.	Description	Destination
C842			CC73FCH1H180J	CHIP C 18PF J	
C843			CC73FCH1H222J	CHIP C 2200PF J	
TC501			C05-0031-15	CERAMIC TRIMMER CAP (10PF)	
CN1			E04-0154-05	PIN SOCKET	
CN2			E40-5978-05	FLAT CABLE CONNECTOR	
CN3			E40-5608-05	PIN ASSY	
CN4			E40-5607-05	PIN ASSY	
CN5			E40-3246-05	PIN ASSY	
CN8			E40-3252-05	PIN ASSY	
CN9,10			E40-3246-05	PIN ASSY	
CN12,13			E23-0996-05	TEST TERMINAL	
CN101			E40-5734-05	FLAT CABLE CONNECTOR	
CN501			E40-5739-05	FLAT CABLE CONNECTOR	
CN502			E40-5758-05	FLAT CABLE CONNECTOR	
CN503			E04-0190-05	PIN SOCKET	
CN829,830			E23-0996-05	TEST TERMINAL	
W1		*	E37-1056-05	LEAD WIRE WITH TERMINAL	KH
W1		*	E37-1104-05	LEAD WIRE WITH TERMINAL	EH
W101		*	E37-1105-05	LEAD WIRE WITH MINIPIN PLUG	
W801		*	E37-1056-05	LEAD WIRE WITH TERMINAL	KH
W801		*	E37-1104-05	LEAD WIRE WITH TERMINAL	EH
F3			F06-4027-05	FUSE (BLADE) (4A/32V)	
F4			F53-0110-05	FUSE	
F801			F53-0093-05	FUSE	
CN6,7			J13-0410-05	FUSE HOLDER	
-			L92-0104-05	TROIDAL CORE	
-			L92-0105-05	TROIDAL CORE	
L1			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L2			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
L3			L92-0131-05	FERRITE CHIP	
L5			L92-0131-05	FERRITE CHIP	
L6			L92-0149-05	FERRITE CHIP	
L7		*	L39-1483-05	TOROIDAL COIL	
L8			L92-0131-05	FERRITE CHIP	
L9			L33-0699-05	CHOKE COIL	
L11			L92-0131-05	FERRITE CHIP	
L12		*	L39-1482-15	TOROIDAL COIL	
L13			L40-1001-12	SMALL FIXED INDUCTOR	
L14		*	L39-1487-05	TOROIDAL COIL	
L15			L39-1450-05	TOROIDAL COIL	
L16,17			L33-0699-05	CHOKE COIL	
L18			L39-1451-05	TOROIDAL COIL	
L19			L40-4795-34	SMALL FIXED INDUCTOR (4.7UH)	
L20			L33-0651-05	CHOKE COIL	
L21		*	L39-1490-05	TOROIDAL COIL	
L24			L33-0617-15	CHOKE COIL	
L25,26			L92-0131-05	FERRITE CHIP	
L27		*	L39-1485-05	TOROIDAL COIL	
L28			L33-0699-05	CHOKE COIL	
L101			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L102			L39-1259-05	TOROIDAL COIL	
L103			L39-1260-05	TOROIDAL COIL	
L151			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L152		*	L39-1486-05	TOROIDAL COIL	
L153			L39-0458-05	TOROIDAL COIL	
L201			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L202			L39-0463-05	TOROIDAL COIL	
L203,204			L39-1440-05	TOROIDAL COIL	

PARTS LIST

FINAL UNIT (X45-366X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
L251			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R25			RK73FB2A332J	CHIP R 3.3K J 1/10W	
L252			L39-0463-05	TOROIDAL COIL		R26			RK73FB2A562J	CHIP R 5.6K J 1/10W	
L253			L39-0460-05	TOROIDAL COIL		R28			RK73EB2B391J	CHIP R 390 J 1/8W	
L301			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R29			R92-2673-05	CHIP R 1.0 J 1W	
L302			L34-1359-05	AIR-CORE COIL		R32			R92-2673-05	RESISTOR 1.0 J 1W	
L303,304			L39-1492-05	TOROIDAL COIL		R33,34			R92-3511-05	RESISTOR 8.2 J 1/2W	
L351			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R35,36			R92-1240-05	CHIP R 10 J 1/4W	
L352			L34-1281-05	AIR-CORE COIL		R37			RK73FB2A103J	CHIP R 10K J 1/10W	
L353,354			L34-1279-05	AIR-CORE COIL		R38			RK73FB2A223J	CHIP R 22K J 1/10W	
L401			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R39		*	R92-3559-05	METAL FILM R 0.01 J 10W	
L402			L34-4661-05	AIR-CORE COIL		R40,41			R92-1245-05	CHIP R 47 J 1/2W	
L403,404			L34-1281-05	AIR-CORE COIL		R42,43			R92-1374-05	CHIP R 47 J 1/4W	
L405			L92-0131-05	FERRITE CHIP		R49-54			RK73EB2B1R0J	CHIP R 1.0 J 1/8W	
L451			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R55			RK73FB2A100J	CHIP R 10 J 1/10W	
L452			L34-1359-05	AIR-CORE COIL		R56			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
L453,454			L34-4662-05	AIR-CORE COIL		R58-63			R92-0679-05	CHIP R 0 OHM	
L455			L92-0131-05	FERRITE CHIP		R64,65			RS14DB3F820J	FL-PROOF RS 82 J 3W	
L501			L40-2221-33	SMALL FIXED INDUCTOR		R66			R92-0670-05	CHIP R 0 OHM	
L502			L39-0480-15	TOROIDAL COIL		R67			R92-2536-05	CHIP R 2.2 J 1/4W	
L503			L40-1005-85	SMALL FIXED INDUCTOR (10UH)		R80			RS14DB3D101J	FL-PROOF RS 100 J 2W	
L504			L40-1021-33	SMALL FIXED INDUCTOR		R81			RS14DB3A101J	FL-PROOF RS 100 J 1W	
L505,506			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		R90		*	R92-3574-05	RESISTOR 0.1 J 2W	
L507		*	L41-1585-09	SMALL FIXED INDUCTOR		R101			R92-0679-05	CHIP R 0 OHM	
L802			L39-0477-05	TOROIDAL COIL		R151			R92-0679-05	CHIP R 0 OHM	
L803		*	L39-1487-05	TOROIDAL COIL		R201,202			R92-0679-05	CHIP R 0 OHM	
L804			L39-1450-05	TOROIDAL COIL		R251,252			R92-0679-05	CHIP R 0 OHM	
L805,806			L33-0699-05	CHOKE COIL		R301			R92-0679-05	CHIP R 0 OHM	
L807			L40-4795-34	SMALL FIXED INDUCTOR (4.7UH)		R351			R92-0679-05	CHIP R 0 OHM	
L808			L39-1451-05	TOROIDAL COIL		R401,402			R92-0679-05	CHIP R 0 OHM	
L809			L33-0651-05	CHOKE COIL		R451,452			R92-0679-05	CHIP R 0 OHM	
L810		*	L39-1490-05	TOROIDAL COIL		R501			RK73FB2A100J	CHIP R 10 J 1/10W	
L814			L33-0617-15	CHOKE COIL		R502			R92-1279-05	CHIP R 33 J 1W	
L816,817			L92-0131-05	FERRITE CHIP		R503		*	R92-1305-05	CHIP R 27 J 1W	
L818		*	L39-1479-05	TOROIDAL COIL		R504			RK73FB2A102J	CHIP R 1.0K J 1/10W	
L820		*	L39-1478-05	TOROIDAL COIL		R505-507			RK73FB2A101J	CHIP R 100 J 1/10W	
L821			L33-0699-05	CHOKE COIL		R508-511			RK73FB2A104J	CHIP R 100K J 1/10W	
L822,823			L40-3311-14	SMALL FIXED INDUCTOR		R550			RK73FB2A391J	CHIP R 390 J 1/10W	
R1			RK73FB2A470J	CHIP R 47 J 1/10W		R551			RK73FB2A182J	CHIP R 1.8K J 1/10W	
R2			RK73FB2A331J	CHIP R 330 J 1/10W		R552			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R3			RK73FB2A180J	CHIP R 18 J 1/10W		R553			R92-0670-05	CHIP R 0 OHM	
R4			RK73FB2A470J	CHIP R 47 J 1/10W		R800			RS14DB3A101J	FL-PROOF RS 100 J 1W	
R5			RK73FB2A331J	CHIP R 330 J 1/10W		R803			R92-1318-05	CHIP R 100 J 1W	
R6			RK73FB2A470J	CHIP R 47 J 1/10W		R804			RK73EB2B391J	CHIP R 390 J 1/8W	
R7			RK73FB2A681J	CHIP R 680 J 1/10W		R805			R92-2673-05	CHIP R 1.0 J 1W	
R9			RK73FB2A331J	CHIP R 330 J 1/10W		R808			R92-2673-05	CHIP R 1.0 J 1W	
R10			RK73FB2A221J	CHIP R 220 J 1/10W		R809,810			R92-3511-05	CHIP R 8.2 J 1/2W	
R11			RK73FB2A470J	CHIP R 47 J 1/10W		R811,812			R92-1240-05	CHIP R 10 J 1/4W	
R12			RK73FB2A100J	CHIP R 10 J 1/10W		R813			RK73FB2A103J	CHIP R 10K J 1/10W	
R13			RK73FB2A820J	CHIP R 82 J 1/10W		R814			RK73FB2A223J	CHIP R 22K J 1/10W	
R14			RK73FB2A220J	CHIP R 22 J 1/10W		R816		*	R92-3558-05	METAL FILM R 100 J 10W	
R15			RK73FB2A681J	CHIP R 680 J 1/10W		R817		*	R92-3559-05	METAL FILM R 0.01 J 10W	
R16			RK73FB2A331J	CHIP R 330 J 1/10W		R822			RK73FB2A100J	CHIP R 10 J 1/10W	
R17			RK73FB2A471J	CHIP R 470 J 1/10W		R823			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R18			RK73FB2A470J	CHIP R 47 J 1/10W		R824-829			RK73EB2B1R0J	CHIP R 1.0 J 1/8W	
R19			RK73FB2A332J	CHIP R 3.3K J 1/10W		R836-841			R92-0679-05	CHIP R 0 OHM	
R20			RK73FB2A102J	CHIP R 1.0K J 1/10W		R842,843			RS14DB3F820J	FL-PROOF RS 82 J 3W	
R21			RK73FB2A562J	CHIP R 5.6K J 1/10W		VR1,2			R12-6730-05	TRIMMING POT. (220)	
R22			RK73FB2A102J	CHIP R 1.0K J 1/10W		VR3			R12-6737-05	TRIMMING POT. (3.3K)	
R23,24			RK73FB2A470J	CHIP R 47 J 1/10W		VR801			R12-6737-05	TRIMMING POT. (3.3K)	
						VR802			R12-6744-05	TRIMMING POT. (47K)	

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

FINAL UNIT (X45-366X-XX)

DISPLAY UNIT (X54-3410-00)

Ref. No.	Address	New parts	Parts No.	Description	Destination
W501-506			R92-0150-05	JUMPER REST 0 OHM	
K101,102			S51-1420-05	RELAY	
K151,152			S51-1420-05	RELAY	
K201,202			S51-1420-05	RELAY	
K251,252			S51-1420-05	RELAY	
K301,302			S51-1420-05	RELAY	
K351,352			S51-1420-05	RELAY	
K401,402			S76-0401-05	RELAY	
K451			S51-1420-05	RELAY	
K452			S76-0401-05	RELAY	
K501			S51-1429-05	RELAY	
K502			S76-0424-05	RELAY	
D2,3			MA27-B	VARIATOR	
D4			1SS355	DIODE	
D5			ZSH5MA27	SURGE ABSORBER	
D6			1SS355	DIODE	
D101			1SS355	DIODE	
D151			1SS355	DIODE	
D201			1SS355	DIODE	
D251			1SS355	DIODE	
D301			1SS355	DIODE	
D351			1SS355	DIODE	
D401			1SS355	DIODE	
D451			1SS355	DIODE	
D501,502			1SS348	DIODE	
D503,504			1SS355	DIODE	
D505,506			DSA301LA	DIODE	
D802,803			MA27-B	VARIATOR	
D806			ZSH5MA27	SURGE ABSORBER	
D807			1SS348	DIODE	
IC1			TA7805F	MOS IC	
IC2,3			TA7808F	ANALOG IC	
IC501			BU2099FV	MOS IC	
Q1			2SK2596	FET	
Q2			2SK2595	FET	
Q3			2SC3421(Y)	TRANSISTOR	
Q4,5			2SC2782	TRANSISTOR	
Q6		*	SI7445DP	FET	
Q7			DTC114EKA	DIGITAL TRANSISTOR	
Q8,9			2SD1757K	TRANSISTOR	
Q501-505			FMA5A	TRANSISTOR	
Q506			RN47A5	TRANSISTOR	
Q803			2SC3421(Y)	TRANSISTOR	
Q804,805			2SC2782	TRANSISTOR	
Q806		*	SI7445DP	FET	
Q807			DTC114EKA	DIGITAL TRANSISTOR	
TH1,2			157-153-53002	THERMISTOR	
-			212-1021-05	INSULATING TUBE	
DISPLAY UNIT (X54-3410-00)					
201	2G	*	B11-1801-03	ILLUMINATION GUIDE	
202	2H	*	B11-1802-14	FILTER	
203	2G	*	B11-1803-04	FILTER	
204	2G	*	B38-0879-05	LCD	
D1-4		*	B30-2270-05	LED (YELLOW)	
D10-13		*	B30-2270-05	LED (YELLOW)	

Ref. No.	Address	New parts	Parts No.	Description	Destination
D14		*	B30-2276-05	LED (R)	
D15			B30-2167-05	LED (GR)	
D16-36			B30-2269-05	LED (YELLOW)	
C1			CK73GB1C104K	CHIP C 0.10UF K	
C2,3			CK73GB1H103K	CHIP C 0.010UF K	
C4			CK73GB1H102K	CHIP C 1000PF K	
C5			CK73GB1C104K	CHIP C 0.10UF K	
C6,7			CK73GB1H103K	CHIP C 0.010UF K	
C8,9			CK73GB1H102K	CHIP C 1000PF K	
C15			C92-0041-05	CHIP-ELE 10UF 10WV	
C16,17			CK73GB1C104K	CHIP C 0.10UF K	
C18			C92-0041-05	CHIP-ELE 10UF 10WV	
C19,20			CK73GB1C104K	CHIP C 0.10UF K	
C21,22			CC73GCH1H220J	CHIP C 22PF J	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CK73GB1H103K	CHIP C 0.010UF K	
C25			C92-0698-05	ELECTRO 47UF 16WV	
C26			C92-0004-05	CHIP-TAN 1.0UF 16WV	
C27,28			CC73GCH1H101J	CHIP C 100PF J	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C30			CK73GB1H103K	CHIP C 0.010UF K	
C31-33			CK73FB1C105K	CHIP C 1.0UF K	
C34-39			CK73GB1H102K	CHIP C 1000PF K	
C41-44			CK73GB1H102K	CHIP C 1000PF K	
C45,46			CK73FB1C105K	CHIP C 1.0UF K	
C47			CK73GB1C104K	CHIP C 0.10UF K	
205	2G	*	E29-1198-04	INTER CONNECTOR	
CN2			E40-3237-05	PIN ASSY	
CN3,4			E40-5392-05	PIN ASSY	
CN5			E40-3239-05	PIN ASSY	
CN6,7			E40-5409-05	PIN ASSY	
J1		*	E11-0482-05	3.5D PHONE JACK	
J2		*	E58-0506-05	MODULAR JACK	
206	2G	*	G13-1949-04	CUSHION	
207	2G	*	J21-8450-03	HARDWARE FIXTURE	
L1,2			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
L3			L92-0552-05	FERRITE CHIP	
L5-7			L92-0552-05	FERRITE CHIP	
L8			L33-0742-05	SMALL FIXED INDUCTOR	
X1			L77-1814-05	CRYSTAL RESONATOR (11.0592MHZ)	
CP1,2			RK75GB1J103J	CHIP-COM 10K J 1/16W	
CP3-5			RK75GB1J473J	CHIP-COM 47K J 1/16W	
R1			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R2			RK73FB2A121J	CHIP R 120 J 1/10W	
R3,4			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R5			RK73GB1J473J	CHIP R 47K J 1/16W	
R6			RK73FB2A390J	CHIP R 39 J 1/10W	
R7			RK73FB2A5R6J	CHIP R 5.6 J 1/10W	
R8			R92-0670-05	CHIP R 0 OHM	
R9,10			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R11,12			RK73FB2A560J	CHIP R 56 J 1/10W	
R13			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R14			RK73GB1J473J	CHIP R 47K J 1/16W	
R15-19			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R20,21			R92-1252-05	CHIP R 0 OHM J 1/16W	
R22			RK73GB1J103J	CHIP R 10K J 1/16W	
R23			RK73FB2A271J	CHIP R 270 J 1/10W	

PARTS LIST

DISPLAY UNIT (X54-3410-00)

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R25			RK73FB2A221J	CHIP R 220 J 1/10W		C19			CC73GCH1H470J	CHIP C 47PF J	
R26			RK73GB1J473J	CHIP R 47K J 1/16W		C20,21			C92-0628-05	CHIP-TAN 10UF 10WV	
R27			RK73GB1J102J	CHIP R 1.0K J 1/16W		C22			CK73GB1C473K	CHIP C 0.047UF K	
R28			RK73GB1J473J	CHIP R 47K J 1/16W		C23			CK73GB1H102K	CHIP C 1000PF K	
R29			R92-1252-05	CHIP R 0 OHM J 1/16W		C24			CK73GB1H472K	CHIP C 4700PF K	
R30-33			RK73GB1J473J	CHIP R 47K J 1/16W		C25,26			CK73GB1C473K	CHIP C 0.047UF K	
R34			RK73FB2A152J	CHIP R 1.5K J 1/10W		C28			CC73GCH1H390J	CHIP C 39PF J	
R35			RK73FB2A181J	CHIP R 180 J 1/10W		C29			CK73GB1H103K	CHIP C 0.010UF K	
R36			RK73FB2A331J	CHIP R 330 J 1/10W		C30			CK73GB1C473K	CHIP C 0.047UF K	
R37			RK73FB2A181J	CHIP R 180 J 1/10W		C31			CK73GB1H103K	CHIP C 0.010UF K	
R38			RK73GB1J103J	CHIP R 10K J 1/16W		C32			CK73GB1C473K	CHIP C 0.047UF K	
R39			RK73FB2A392J	CHIP R 3.9K J 1/10W		C33			CC73GCH1H040B	CHIP C 4.0PF B	
R40			RK73FB2A681J	CHIP R 680 J 1/10W		C34			CC73GCH1H390J	CHIP C 39PF J	
R41,42			RK73GB1J101J	CHIP R 100 J 1/16W		C35,36			CC73GCH1H331J	CHIP C 330PF J	
R43-45			RK73GB1J102J	CHIP R 1.0K J 1/16W		C37			CK73GB1A105K	CHIP C 1.0UF K	
R47-50			RK73GB1J101J	CHIP R 100 J 1/16W		C38			CK73GB1C473K	CHIP C 0.047UF K	
R51-54			RK73GB1J473J	CHIP R 47K J 1/16W		C39			CK73GB1H103K	CHIP C 0.010UF K	
R55,56			R92-1205-05	CHIP R 120 J 1/4W		C40			CC73GCH1H221J	CHIP C 220PF J	
R57			RK73GB1J473J	CHIP R 47K J 1/16W		C41			CC73GCH1H100D	CHIP C 10PF D	
R58			RK73GB1J104J	CHIP R 100K J 1/16W		C42			CK73GB1C473K	CHIP C 0.047UF K	
R59,60			RK73GB1J102J	CHIP R 1.0K J 1/16W		C43			C92-0628-05	CHIP-TAN 10UF 10WV	
R62			R92-0670-05	CHIP R 0 OHM		C44			CK73GB1C473K	CHIP C 0.047UF K	
R63			RK73FB2A122J	CHIP R 1.2K J 1/10W		C46			CK73GB1C473K	CHIP C 0.047UF K	
VR1		*	R31-0645-05	VARIABLE RESISTOR		C47			CK73GB1H103K	CHIP C 0.010UF K	
VR2		*	R31-0644-05	VARIABLE RESISTOR		C48			CK73GB1H102K	CHIP C 1000PF K	
S1-33		*	S70-0490-05	TACT SWITCH		C49-52			CK73GB1C473K	CHIP C 0.047UF K	
S35		*	S70-0490-05	TACT SWITCH		C53			CK73GB1H103K	CHIP C 0.010UF K	
D5-9			MA2S111	DIODE		C54,55			CK73GB1C473K	CHIP C 0.047UF K	
D37			MA2S111	DIODE		C56			CK73GB1H391K	CHIP C 390PF K	
IC1,2			LC75823W	MOS IC		C57			CK73GB1H471K	CHIP C 470PF K	
IC3		*	30622M8A-7N0GP	MCU		C58			CK73GB1H102K	CHIP C 1000PF K	
IC4,5			TC4S81F	MOS IC		C59			CC73GCH1H680J	CHIP C 68PF J	
IC6			L78LR05B-FA	MOS IC (SIP/5P/16)		C60			CC73GCH1H330J	CHIP C 33PF J	
Q1-6			DTC114EE	DIGITAL TRANSISTOR		C61			CC73GCH1H270J	CHIP C 27PF J	
Q7			2SA1162(Y)	TRANSISTOR		C62			CK73GB1H561K	CHIP C 560PF K	
S34		*	W02-3662-05	ENCODER		C63			CK73GB1H681K	CHIP C 680PF K	
TX-RX UNIT (X57-663X-XX)						C64,65			CC73GCH1H820J	CHIP C 82PF J	
0-11 : KH 0-12 : KS 2-71 : EH 2-72 : ES						C66			CC73GCH1H120J	CHIP C 12PF J	
D621			B30-2001-05	LED (RE/MEN/8)		C67			CC73GCH1H271J	CHIP C 270PF J	
C1			CC73GCH1H080B	CHIP C 8.0PF B		C68			CC73GCH1H331J	CHIP C 330PF J	
C2			CC73GCH1H151J	CHIP C 150PF J		C69			CK73GB1H391K	CHIP C 390PF K	
C3			CC73GCH1H390J	CHIP C 39PF J		C70			CC73GCH1H080B	CHIP C 8.0PF B	
C4			C92-0628-05	CHIP-TAN 10UF 10WV		C71			CC73GCH1H271J	CHIP C 270PF J	
C5			CK73GB1H472K	CHIP C 4700PF K		C72			CK73GB1H102K	CHIP C 1000PF K	
C6			CK73GB1C473K	CHIP C 0.047UF K		C73			CC73GCH1H560J	CHIP C 56PF J	
C8			CK73GB1H103K	CHIP C 0.010UF K		C74			CK73GB1C473K	CHIP C 0.047UF K	
C9			CC73GCH1H050B	CHIP C 5.0PF B		C75			CC73GCH1H120J	CHIP C 12PF J	
C10			CK73GB1C473K	CHIP C 0.047UF K		C76			C92-0628-05	CHIP-TAN 10UF 10WV	
C11			CK73GB1H103K	CHIP C 0.010UF K		C77			CC73GCH1H680J	CHIP C 68PF J	
C12			CK73GB1C473K	CHIP C 0.047UF K		C78			CK73GB1H102K	CHIP C 1000PF K	
C14,15			CK73GB1C473K	CHIP C 0.047UF K		C79			CK73GB1C473K	CHIP C 0.047UF K	
C16			CC73GCH1H470J	CHIP C 47PF J		C80			CK73GB1H102K	CHIP C 1000PF K	
C17			CK73GB1C473K	CHIP C 0.047UF K		C81			CC73GCH1H220J	CHIP C 22PF J	
C18			CK73GB1H103K	CHIP C 0.010UF K		C83			CC73GCH1H180J	CHIP C 18PF J	
						C84			CC73GCH1H100D	CHIP C 10PF D	
						C85			CK73GB1C473K	CHIP C 0.047UF K	
						C86			CC73GCH1H470J	CHIP C 47PF J	
						C87			C92-0628-05	CHIP-TAN 10UF 10WV	
						C88			CK73GB1H472K	CHIP C 4700PF K	
						C89			CK73GB1H102K	CHIP C 1000PF K	

KH : TS-480HX (K)

EH : TS-480HX (E)

KS : TS-480SAT (K)

ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C90			CC73GCH1H120J	CHIP C 12PF J		C238			C92-0562-05	CHIP-ELE 330UF 6.3WV	
C91			CK73GB1H472K	CHIP C 4700PF K		C239-241			CK73GB1C104K	CHIP C 0.10UF K	
C92			CC73GCH1H240J	CHIP C 24PF J		C242			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C93			CC73GCH1H220J	CHIP C 22PF J		C243			CK73GB1H103K	CHIP C 0.010UF K	
C94			C92-0001-05	CHIP C 0.1UF 35WV		C244,245			CK73GB1C104K	CHIP C 0.10UF K	
C95			CK73GB1H472K	CHIP C 4700PF K		C246			C92-0562-05	CHIP-ELE 330UF 6.3WV	
C96,97			CK73GB1H102K	CHIP C 1000PF K		C247			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C98			CK73GB1C104K	CHIP C 0.10UF K		C248			CK73GB1C104K	CHIP C 0.10UF K	
C99			C92-0628-05	CHIP-TAN 10UF 10WV		C249			CK73GB1H822K	CHIP C 8200PF K	
C100			CK73GB1H472K	CHIP C 4700PF K		C250			CK73GB1H102K	CHIP C 1000PF K	
C101			CK73GB1H102K	CHIP C 1000PF K		C251			CK73GB1A105K	CHIP C 1.0UF K	
C102			CK73GB1C333J	CHIP C 0.033UF J		C252			C92-0041-05	CHIP-ELE 10UF 10WV	
C103			CK73GB1H102K	CHIP C 1000PF K		C253			CK73GB1C104K	CHIP C 0.10UF K	
C104			CK73GB1H472K	CHIP C 4700PF K		C254			C92-0041-05	CHIP-ELE 10UF 10WV	
C105			C92-0041-05	CHIP-ELE 10UF 10WV		C255			CK73GB1C104K	CHIP C 0.10UF K	
C106			C92-0653-05	CHIP-TAN 0.68UF 10WV		C256			CK73GB1H103K	CHIP C 0.010UF K	
C107			CK73GB1H472K	CHIP C 4700PF K		C257			CK73GB1C104K	CHIP C 0.10UF K	
C108			C92-0628-05	CHIP-TAN 10UF 10WV		C258			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C115			CK73GB1C223K	CHIP C 0.022UF K		C259			CK73GB1H103K	CHIP C 0.010UF K	
C116			CK73GB1H103K	CHIP C 0.010UF K		C260			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C117			CK73GB1C104K	CHIP C 0.10UF K		C261			CK73GB1C104K	CHIP C 0.10UF K	
C118,119			CK73GB1H103K	CHIP C 0.010UF K		C262			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C120			CC73GCH1H101J	CHIP C 100PF J		C263			CK73GB1A105K	CHIP C 1.0UF K	
C121			CC73GCH1H151J	CHIP C 150PF J		C264			CK73GB1H822K	CHIP C 8200PF K	
C122,123			CK73GB1H103K	CHIP C 0.010UF K		C265			CK73GB1H102K	CHIP C 1000PF K	
C124			CK73GB1C473K	CHIP C 0.047UF K		C266			CK73GB1H103K	CHIP C 0.010UF K	
C131-133			CK73GB1H102K	CHIP C 1000PF K		C267			CK73GB1A105K	CHIP C 1.0UF K	
C134,135			CK73GB1H103K	CHIP C 0.010UF K		C268			CK73GB1H103K	CHIP C 0.010UF K	
C136-138			CK73GB1H102K	CHIP C 1000PF K		C269			CK73GB1C104K	CHIP C 0.10UF K	
C139			CK73GB1C104K	CHIP C 0.10UF K		C270			CK73GB1H103K	CHIP C 0.010UF K	
C140			CK45FE2H222P	CERAMIC 2200PF P		C271			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C141			CK73GB1A105K	CHIP C 1.0UF K		C272			CK73GB1A105K	CHIP C 1.0UF K	
C142			CK73GB1H102K	CHIP C 1000PF K		C273			CK73GB1H272K	CHIP C 2700PF K	
C143			CK73GB1A105K	CHIP C 1.0UF K		C274			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C144			CK73GB1H103K	CHIP C 0.010UF K		C275			CK73GB1H471K	CHIP C 470PF K	
C145			C92-0628-05	CHIP-TAN 10UF 10WV		C276			CK73GB1A105K	CHIP C 1.0UF K	
C146,147			CK73GB1A105K	CHIP C 1.0UF K		C279			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C148			C92-0628-05	CHIP-TAN 10UF 10WV		C280			CK73GB1C104K	CHIP C 0.10UF K	
C149			CK73GB1A105K	CHIP C 1.0UF K		C281			C92-0048-05	ELECTRO 100UF 6.3WV	
C150,151			CK73GB1H103K	CHIP C 0.010UF K		C282,283			CK73GB1C104K	CHIP C 0.10UF K	
C152			CK73FB1E104K	CHIP C 0.10UF K		C284,285			CK73GB1H103K	CHIP C 0.010UF K	
C153			CK73GB1H102K	CHIP C 1000PF K		C286			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C171-175			CC73GCH1H101J	CHIP C 100PF J		C287			C92-0048-05	ELECTRO 100UF 6.3WV	
C176-187			CK73GB1H102K	CHIP C 1000PF K		C288			CK73GB1C104K	CHIP C 0.10UF K	
C188			CK73GB1C104K	CHIP C 0.10UF K		C289			CK73GB1H103K	CHIP C 0.010UF K	
C189-194			CC73GCH1H101J	CHIP C 100PF J		C290			CK73GB1A105K	CHIP C 1.0UF K	
C196,197			CK73GB1H102K	CHIP C 1000PF K		C291			CK73GB1H471K	CHIP C 470PF K	
C201,202			CK73GB1H102K	CHIP C 1000PF K		C292			CK73GB1A105K	CHIP C 1.0UF K	
C203-206			CK73FB1C105K	CHIP C 1.0UF K		C293			CK73GB1H272K	CHIP C 2700PF K	
C207			CK73GB1H102K	CHIP C 1000PF K		C294			CK73GB1H103K	CHIP C 0.010UF K	
C208,209			CK73GB1H103K	CHIP C 0.010UF K		C295,296			CK73GB1C104K	CHIP C 0.10UF K	
C210-212			CK73GB1H102K	CHIP C 1000PF K		C297			CK73GB1H103K	CHIP C 0.010UF K	
C214		*	C90-4112-05	ELECTRO 100UF 16WV		C298,299			CK73GB1C104K	CHIP C 0.10UF K	
C217,218			CK73GB1H103K	CHIP C 0.010UF K		C300			CK73GB1H103K	CHIP C 0.010UF K	
C220,221			CK73FB1C105K	CHIP C 1.0UF K		C301,302			CK73GB1C104K	CHIP C 0.10UF K	
C222,223			CK73GB1H102K	CHIP C 1000PF K		C303			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C224-226			CK73GB1H103K	CHIP C 0.010UF K		C304,305			CK73GB1E223K	CHIP C 0.022UF K	
C227,228			CC73GCH1H220J	CHIP C 22PF J		C306			CK73GB1H103K	CHIP C 0.010UF K	
C229,230			CK73GB1H103K	CHIP C 0.010UF K		C307			CK73GB1C104K	CHIP C 0.10UF K	
C232-237			CK73GB1H103K	CHIP C 0.010UF K		C308			CK73GB1H102K	CHIP C 1000PF K	

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C309,310			C92-0560-05	CHIP-TAN 10UF 6.3WV		C474			CK73GB1C473K	CHIP C 0.047UF K	
C311			C92-0004-05	CHIP-TAN 1.0UF 16WV		C476			CK73GB1H472K	CHIP C 4700PF K	
C312			CK73GB1C104K	CHIP C 0.10UF K		C477			CC73GCH1H101J	CHIP C 100PF J	
C313			CK73GB1H103K	CHIP C 0.010UF K		C478			CK73GB1H102K	CHIP C 1000PF K	
C314			CC73GCH1H101J	CHIP C 100PF J		C479			CC73GCH1H100D	CHIP C 10PF D	
C315,316			CK73GB1H103K	CHIP C 0.010UF K		C480			CK73GB1A105K	CHIP C 1.0UF K	
C317,318			CC73GCH1H270J	CHIP C 27PF J		C481			CC73GCH1H270J	CHIP C 27PF J	
C320			C92-0560-05	CHIP-TAN 10UF 6.3WV		C482			CC73GCH1H220J	CHIP C 22PF J	
C321			CK73GB1C104K	CHIP C 0.10UF K		C483			CC73GCH1H120J	CHIP C 12PF J	
C322			CK73GB1A105K	CHIP C 1.0UF K		C484			CC73GCH1H150J	CHIP C 15PF J	
C323			CK73GB1H103K	CHIP C 0.010UF K		C485			CC73GCH1H270J	CHIP C 27PF J	
C324			CK73GB1C104K	CHIP C 0.10UF K		C486			CC73GCH1H100D	CHIP C 10PF D	
C325			CK73FB1C105K	CHIP C 1.0UF K		C487			CK73GB1H103K	CHIP C 0.010UF K	
C326			CK73GB1A105K	CHIP C 1.0UF K		C488			CK73GB1H102K	CHIP C 1000PF K	
C327			CK73GB1H103K	CHIP C 0.010UF K		C501			CK73GB1H103K	CHIP C 0.010UF K	
C328			CK73GB1A105K	CHIP C 1.0UF K		C502			CC73GCH1H100D	CHIP C 10PF D	
C329			CK73GB1H103K	CHIP C 0.010UF K		C503			CC73GCH1H020B	CHIP C 2.0PF B	
C351-356			CK73GB1H103K	CHIP C 0.010UF K		C504,505			CK73GB1H103K	CHIP C 0.010UF K	
C357-359			CC73GCH1H101J	CHIP C 100PF J		C506			CC73GCH1H470J	CHIP C 47PF J	
C360			CK73GB1H103K	CHIP C 0.010UF K		C507			CK73GB1H103K	CHIP C 0.010UF K	
C362			CK73GB1C104K	CHIP C 0.10UF K		C508			CC73GCH1H470J	CHIP C 47PF J	
C363-366			CK73GB1H103K	CHIP C 0.010UF K		C509			CK73GB1H103K	CHIP C 0.010UF K	
C367			CK73GB1H102K	CHIP C 1000PF K		C511			C92-0003-05	CHIP-TAN 0.47UF 25WV	
C368-374			CK73GB1C104K	CHIP C 0.10UF K		C512			CK73GB1H103K	CHIP C 0.010UF K	
C375-379			CC73GCH1H101J	CHIP C 100PF J		C514,515			CK73GB1H103K	CHIP C 0.010UF K	
C382			CK73GB1H103K	CHIP C 0.010UF K		C517,518			CK73GB1H103K	CHIP C 0.010UF K	
C383,384			CK73GB1H102K	CHIP C 1000PF K		C519			CK73GB1H102K	CHIP C 1000PF K	
C385			CK73GB1A105K	CHIP C 1.0UF K		C521			CK73GB1A105K	CHIP C 1.0UF K	
C386			CC73GCH1H101J	CHIP C 100PF J		C522			CC73GCH1H100D	CHIP C 10PF D	
C387			CK73GB1A105K	CHIP C 1.0UF K		C523,524			CK73GB1H103K	CHIP C 0.010UF K	
C388			CC73GCH1H101J	CHIP C 100PF J		C525			CK73GB1H102K	CHIP C 1000PF K	
C389			C92-0560-05	CHIP-TAN 10UF 6.3WV		C526			C92-0628-05	CHIP-TAN 10UF 10WV	
C390-393			CC73GCH1H101J	CHIP C 100PF J		C527			CE04EW1E470M	ELECTRO 47UF 25WV	
C394,395			CK73GB1H102K	CHIP C 1000PF K		C528			CK73GB1H103K	CHIP C 0.010UF K	
C397-404			CK73GB1H102K	CHIP C 1000PF K		C529			CC73GCH1H470J	CHIP C 47PF J	
C405-407			CC73GCH1H101J	CHIP C 100PF J		C551,552			CK73GB1C104K	CHIP C 0.10UF K	
C408-410			CK73GB1C104K	CHIP C 0.10UF K		C553			CC73GCH1H270J	CHIP C 27PF J	
C411,412			CK73GB1H103K	CHIP C 0.010UF K		C554			CK73GB1C104K	CHIP C 0.10UF K	
C413			CK73GB1H102K	CHIP C 1000PF K		C555,556			CC73GCH1H271J	CHIP C 270PF J	
C414			C92-0041-05	CHIP-ELE 10UF 10WV		C557			CC73GCH1H391J	CHIP C 390PF J	
C415-417			CK73GB1H102K	CHIP C 1000PF K		C558			CK73GB1H103K	CHIP C 0.010UF K	
C418,419			CK73GB1C104K	CHIP C 0.10UF K		C559			C92-0628-05	CHIP-TAN 10UF 10WV	
C420		*	C90-4114-05	ELECTRO 470UF 16WV		C560			CK73GB1C104K	CHIP C 0.10UF K	
C451			CC73GCH1H121J	CHIP C 120PF J		C561,562			CK73GB1H103K	CHIP C 0.010UF K	
C452			CC73GCH1H820J	CHIP C 82PF J		C563			CK73GB1C104K	CHIP C 0.10UF K	
C453			CC73GCH1H060B	CHIP C 6.0PF B		C564-566			CK73GB1H103K	CHIP C 0.010UF K	
C455,456			CK73GB1C473K	CHIP C 0.047UF K		C567			CC73GCH1H390J	CHIP C 39PF J	
C457,458			CK73GB1A105K	CHIP C 1.0UF K		C568-570			CK73GB1H103K	CHIP C 0.010UF K	
C459			CC73GCH1H180J	CHIP C 18PF J		C571			CK73GB1H102K	CHIP C 1000PF K	
C460			CC73GCH1H120J	CHIP C 12PF J		C572			CC73GCH1H050B	CHIP C 5.0PF B	
C461			CC73GCH1H330J	CHIP C 33PF J		C573			CC73GCH1H221J	CHIP C 220PF J	
C462			CC73GCH1H270J	CHIP C 27PF J		C574			CK73GB1H103K	CHIP C 0.010UF K	
C463,464			CC73GCH1H150J	CHIP C 15PF J		C575			CC73GCH1H390J	CHIP C 39PF J	
C465			CK73GB1H103K	CHIP C 0.010UF K		C576,577			CK73GB1H103K	CHIP C 0.010UF K	
C466,467			CC73GCH1H100D	CHIP C 10PF D		C579			CC73GCH1H150J	CHIP C 15PF J	
C468,469			CK73GB1H103K	CHIP C 0.010UF K		C581			CC73GCH1H470J	CHIP C 47PF J	
C470			CK73GB1H472K	CHIP C 4700PF K		C582			CK73GB1H102K	CHIP C 1000PF K	
C471			CK73GB1H102K	CHIP C 1000PF K		C583			CC73GCH1H030B	CHIP C 3.0PF B	
C472			CK73GB1H472K	CHIP C 4700PF K		C584			CC73GCH1H470J	CHIP C 47PF J	
C473			CC73GCH1H470J	CHIP C 47PF J		C585,586			CK73GB1C104K	CHIP C 0.10UF K	

TS-480HX/480SAT

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C587			CC73GCH1H221J	CHIP C 220PF J		C755			CE04EW1E4R7M	ELECTRO 4.7UF 25WV	
C588			CK73GB1C104K	CHIP C 0.10UF K		C756		*	C90-4112-05	ELECTRO 100UF 16WV	
C589			CC73GCH1H101J	CHIP C 100PF J		C757			CK73FB1E104K	CHIP C 0.10UF K	
C590			CK73GB1C104K	CHIP C 0.10UF K		C758			CK73GB1H103K	CHIP C 0.010UF K	
C591			C92-0665-05	TANTAL 100UF 6.3WV		C759			CK73FB1E104K	CHIP C 0.10UF K	
C592			CK73GB1H102K	CHIP C 1000PF K		C760			CK73FB1C105K	CHIP C 1.0UF K	
C593			CK73GB1H103K	CHIP C 0.010UF K		C761,762			CK73FB1E104K	CHIP C 0.10UF K	
C594-596			CK73GB1A105K	CHIP C 1.0UF K		C763,764			CK73GB1A105K	CHIP C 1.0UF K	
C597			CK73GB1H103K	CHIP C 0.010UF K		C801-804			CK73GB1H102K	CHIP C 1000PF K	
C599			CK73GB1C104K	CHIP C 0.10UF K		C805,806			CK73GB1C104K	CHIP C 0.10UF K	
C600,601			CK73GB1A105K	CHIP C 1.0UF K		C807			CK73GB1H102K	CHIP C 1000PF K	
C602,603			CK73GB1C104K	CHIP C 0.10UF K		C808			C92-0628-05	CHIP-TAN 10UF 10WV	
C604			CC73GCH1H220J	CHIP C 22PF J		C809			CK73GB1H103K	CHIP C 0.010UF K	
C622-624			CK73GB1H103K	CHIP C 0.010UF K		C810			CC73GCH1H330J	CHIP C 33PF J	
C625			CK73GB1C104K	CHIP C 0.10UF K		C811			CK73GB1H103K	CHIP C 0.010UF K	
C626			CK73GB1H102K	CHIP C 1000PF K		C812			C92-0560-05	CHIP-TAN 10UF 6.3WV	
C627,628			CK73GB1H103K	CHIP C 0.010UF K		C813			CK73GB1H103K	CHIP C 0.010UF K	
C629-631			CK73GB1C104K	CHIP C 0.10UF K		C814			CC73GCH1H101J	CHIP C 100PF J	
C632			C92-0694-05	TANTAL 10UF 16WV		C817,818			CK73GB1H103K	CHIP C 0.010UF K	
C633,634			CK73GB1C104K	CHIP C 0.10UF K		C821			C92-0628-05	CHIP-TAN 10UF 10WV	
C635			C92-0694-05	TANTAL 10UF 16WV		C822			CC73GCH1H150J	CHIP C 15PF J	
C636-638			CK73GB1C104K	CHIP C 0.10UF K		C901-904			CK73GB1H103K	CHIP C 0.010UF K	
C639			C92-0694-05	TANTAL 10UF 16WV		C905			CC73GCH1H101J	CHIP C 100PF J	
C640,641			C92-0560-05	CHIP-TAN 10UF 6.3WV		C906			CK73GB1H103K	CHIP C 0.010UF K	
C642			C92-0694-05	TANTAL 10UF 16WV		C907			CC73GCH1H220J	CHIP C 22PF J	
C643			CK73GB1C104K	CHIP C 0.10UF K		C908,909			CK73GB1H103K	CHIP C 0.010UF K	
C644			CK73GB1A105K	CHIP C 1.0UF K		C911			CK73GB1H102K	CHIP C 1000PF K	
C681			C92-0005-05	CHIP-TAN 2.2UF 6.3WV		C913-916			CK73GB1H103K	CHIP C 0.010UF K	
C682			C92-0628-05	CHIP-TAN 10UF 10WV		C923,924			CK73GB1H103K	CHIP C 0.010UF K	
C685			CK73GB1H103K	CHIP C 0.010UF K		C925			CC73GCH1H050B	CHIP C 5.0PF B	
C686			C92-0002-05	CHIP-TAN 0.22UF 35WV		C926			CK73GB1H103K	CHIP C 0.010UF K	
C687			CK73GB1H103K	CHIP C 0.010UF K		C927			CC73GCH1H101J	CHIP C 100PF J	
C688			C92-0004-05	CHIP-TAN 1.0UF 16WV		C928			CC73GCH1H560J	CHIP C 56PF J	
C689			C92-0560-05	CHIP-TAN 10UF 6.3WV		C931-938			CK73GB1H103K	CHIP C 0.010UF K	
C690			C92-0507-05	CHIP-TAN 4.7UF 6.3WV		C943			CC73GCH1H200J	CHIP C 20PF J	
C691			CK73GB1H102K	CHIP C 1000PF K		C944			CK73GB1H103K	CHIP C 0.010UF K	
C692			CK73GB1C104K	CHIP C 0.10UF K		C949-959			CK73GB1H103K	CHIP C 0.010UF K	
C693			CK73GB1H471K	CHIP C 470PF K		C960,961			CC73GCH1H100D	CHIP C 10PF D	
C694			CK73GB1H103K	CHIP C 0.010UF K		C962			CC73GCH1H050B	CHIP C 5.0PF B	
C695			C92-0561-05	CHIP-ELE 22UF 16WV		C972			CK73GB1H103K	CHIP C 0.010UF K	
C696			CK73GB1C104K	CHIP C 0.10UF K		C973			CE04EW1C100M	ELECTRO 10UF 16WV	
C697			CK73GB1C473K	CHIP C 0.047UF K		C974			CK73GB1C473K	CHIP C 0.047UF K	
C698			CK73GB1H102K	CHIP C 1000PF K		C975			CK73GB1H103K	CHIP C 0.010UF K	
C699			CK73GB1A105K	CHIP C 1.0UF K		C977			CC73GCH1H100D	CHIP C 10PF D	
C700			CK73GB1H103K	CHIP C 0.010UF K		C978-980			CK73GB1H103K	CHIP C 0.010UF K	
C701-705			CK73GB1C104K	CHIP C 0.10UF K		C981			CK73GB1C473K	CHIP C 0.047UF K	
C706,707			CK73GB1A105K	CHIP C 1.0UF K		C982,983			CC73GCH1H050B	CHIP C 5.0PF B	
C731,732			CK73GB1H103K	CHIP C 0.010UF K		C984			CK73GB1H103K	CHIP C 0.010UF K	
C733-736			CK73GB1C104K	CHIP C 0.10UF K		C985			CC73GCH1H470J	CHIP C 47PF J	
C737			CK73GB1H103K	CHIP C 0.010UF K		TC1			C05-0384-05	CERAMIC TRIMMER CAP (10PF)	
C738,739			CK73GB1C104K	CHIP C 0.10UF K		TC451-453			C05-0384-05	CERAMIC TRIMMER CAP (10PF)	
C741,742			CK73GB1A105K	CHIP C 1.0UF K		CN1			E04-0191-05	PIN SOCKET	
C744			C90-4113-05	ELECTRO 220UF 16WV		CN3			E04-0191-05	PIN SOCKET	
C745,746			CK73GB1A105K	CHIP C 1.0UF K		CN359			E40-5978-05	FLAT CABLE CONNECTOR	
C747			CK73GB1H103K	CHIP C 0.010UF K		CN369			E40-3252-05	PIN ASSY	
C749			CK73GB1H103K	CHIP C 0.010UF K		CN375			E40-5758-05	FLAT CABLE CONNECTOR	
C750,751			CE04EW1C470M	ELECTRO 47UF 16WV		CN382			E40-3247-05	PIN ASSY	
C752		*	C90-4111-05	ELECTRO 470UF 16WV		CN390		*	E40-6357-05	PIN ASSY	
C753			CK73FB1E104K	CHIP C 0.10UF K		CN403			E40-5978-05	FLAT CABLE CONNECTOR	
C754		*	C90-4114-05	ELECTRO 470UF 16WV							

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
CN501			E04-0191-05	PIN SOCKET		L218-220			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
CN554		*	E40-6267-05	PIN ASSY		L221			L92-0149-05	FERRITE CHIP	
CN555		*	E40-6273-05	PIN ASSY		L222		*	L41-1005-27	SMALL FIXED INDUCTOR	
CN901		*	E40-6266-05	PIN ASSY		L223			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
CN971		*	E40-6272-05	PIN ASSY		L226			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
J131		*	E56-0411-05	DIN SOCKET		L227		*	L41-1005-27	SMALL FIXED INDUCTOR	
J132			E56-0405-05	DIN SOCKET		L228,229			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
J201			E58-0435-05	SUB SOCKET (D)		L351			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
J202		*	E58-0506-05	MODULAR JACK		L352-357			L92-0149-05	FERRITE CHIP	
J351		*	E58-0507-05	MODULAR JACK		L358			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
J731			E11-0414-05	3.5D PHONE JACK (3P)		L361-363			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
W501		*	E37-1058-05	LEAD WIRE WITH CONNECTOR		L364		*	L41-1015-27	SMALL FIXED INDUCTOR	
-		*	F10-2458-04	SHIELDING CASE		L365,366			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
-		*	F10-2459-04	SHIELDING CASE		L451,452		*	L41-2295-09	SMALL FIXED INDUCTOR	
-			F20-3320-04	INSULATING SHEET		L453,454			L41-1005-08	SMALL FIXED INDUCTOR	
CF1			L72-0343-05	CERAMIC FILTER		L455		*	L41-2288-09	SMALL FIXED INDUCTOR	
CF551			L72-0372-05	CERAMIC FILTER		L456		*	L41-1888-09	SMALL FIXED INDUCTOR	
L1			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L457,458			L40-2205-34	SMALL FIXED INDUCTOR (22UH)	
L3			L40-1595-34	SMALL FIXED INDUCTOR (1.5UH)		L461		*	L41-2295-09	SMALL FIXED INDUCTOR	
L4			L40-2295-34	SMALL FIXED INDUCTOR (2.2UH)		L462			L41-1005-08	SMALL FIXED INDUCTOR	
L5			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L463			L40-1095-34	SMALL FIXED INDUCTOR (1UH)	
L6			L34-4345-05	COIL		L464		*	L41-1588-09	SMALL FIXED INDUCTOR	
L7		*	L39-1480-05	TOROIDAL COIL		L465			L40-2205-34	SMALL FIXED INDUCTOR (22UH)	
L8			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L466			L40-3975-34	SMALL FIXED INDUCTOR (39NH)	
L9			L34-4345-05	COIL		L501			L40-1085-34	SMALL FIXED INDUCTOR (100NH)	
L10			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		L502			L40-2285-34	SMALL FIXED INDUCTOR (220NH)	
L11			L40-2295-34	SMALL FIXED INDUCTOR (2.2UH)		L503			L33-0695-05	SMALL FIXED INDUCTOR	
L12,13			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L504			L40-4795-34	SMALL FIXED INDUCTOR (4.7UH)	
L14			L40-1085-34	SMALL FIXED INDUCTOR (100NH)		L505			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L15,16			L40-8285-34	SMALL FIXED INDUCTOR (820NH)		L506,507			L34-4401-05	COIL	
L18			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		L551			L34-4459-05	COIL	
L19			L40-5685-34	SMALL FIXED INDUCTOR (560NH)		L552			L40-1085-34	SMALL FIXED INDUCTOR (100NH)	
L20			L40-6885-34	SMALL FIXED INDUCTOR (680NH)		L553,554		*	L34-4710-05	COIL	
L21			L40-2275-34	SMALL FIXED INDUCTOR (22NH)		L556			L40-3305-34	SMALL FIXED INDUCTOR (33UH)	
L22			L40-8285-34	SMALL FIXED INDUCTOR (820NH)		L558			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L23		*	L40-8275-34	SMALL FIXED INDUCTOR (82NH)		L622,623			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
L24			L40-2275-34	SMALL FIXED INDUCTOR (22NH)		L624-626			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L25			L40-4785-34	SMALL FIXED INDUCTOR (470NH)		L682			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L26		*	L40-8275-34	SMALL FIXED INDUCTOR (82NH)		L801			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L27			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L901,902			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L28			L40-1085-34	SMALL FIXED INDUCTOR (100NH)		L903			L40-4795-34	SMALL FIXED INDUCTOR (4.7UH)	
L29			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		L904			L40-1005-34	SMALL FIXED INDUCTOR (10UH)	
L30			L40-3375-34	SMALL FIXED INDUCTOR (33NH)		L905,906			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L31			L40-3975-34	SMALL FIXED INDUCTOR (39NH)		L908,909			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L33			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L910			L40-3395-34	SMALL FIXED INDUCTOR (3.3UH)	
L34			L40-1095-34	SMALL FIXED INDUCTOR (1UH)		L931-936			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L35			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L971,972			L40-1015-34	SMALL FIXED INDUCTOR (100UH)	
L132			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		L974,975			L40-4705-34	SMALL FIXED INDUCTOR (47UH)	
L133			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		L976			L40-1001-37	SMALL FIXED INDUCTOR (10UH)	
L134			L40-1095-34	SMALL FIXED INDUCTOR (1UH)		X1		*	L77-1906-05	CRYSTAL RESONATOR (15.6MHZ)	
L171,172			L40-1005-34	SMALL FIXED INDUCTOR (10UH)		X201		*	L77-1907-05	CRYSTAL RESONATOR (22.1184MHZ)	
L174			L92-0149-05	FERRITE CHIP		X202		*	L77-1920-05	CRYSTAL RESONATOR (12.288MHZ)	
L175			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		XF931			L71-0433-15	MCF (10.695MHZ)	
L201			L40-3395-34	SMALL FIXED INDUCTOR (3.3UH)		XF932		*	L71-0604-05	CRYSTAL FILTER (10.695MHZ)	
L202-205			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		CP201			RK75GA1J473J	CHIP-COM 47K J 1/16W	
L207-210			L40-3395-34	SMALL FIXED INDUCTOR (3.3UH)		CP202			RK75GB1J473J	CHIP-COM 47K J 1/16W	
L211			L40-4705-34	SMALL FIXED INDUCTOR (47UH)		CP204			RK75GA1J473J	CHIP-COM 47K J 1/16W	
L212			L40-1015-34	SMALL FIXED INDUCTOR (100UH)		CP205-207			RK75GB1J102J	CHIP-COM 1.0K J 1/16W	
L217		*	L41-1005-27	SMALL FIXED INDUCTOR		CP208			RK75GA1J101J	CHIP-COM 100 J 1/16W	

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
CP209,210			RK75GB1J101J	CHIP-COM 100 J 1/16W		R46			RK73GB1J470J	CHIP R 47 J 1/16W	
CP211			RK75GA1J101J	CHIP-COM 100 J 1/16W		R47			RK73GB1J271J	CHIP R 270 J 1/16W	
CP212			RK75GB1J102J	CHIP-COM 1.0K J 1/16W		R48,49			RK73GB1J104J	CHIP R 100K J 1/16W	
CP213			RK75GA1J473J	CHIP-COM 47K J 1/16W		R51			RK73GB1J470J	CHIP R 47 J 1/16W	
CP214			RK75GA1J101J	CHIP-COM 100 J 1/16W		R52			RK73GB1J102J	CHIP R 1.0K J 1/16W	
CP215			RK75GB1J101J	CHIP-COM 100 J 1/16W		R53			RK73GB1J101J	CHIP R 100 J 1/16W	
CP216,217			RK75GB1J473J	CHIP-COM 47K J 1/16W		R54			RK73GB1J391J	CHIP R 390 J 1/16W	
CP219			RK75GA1J473J	CHIP-COM 47K J 1/16W		R55			RK73GB1J153J	CHIP R 15K J 1/16W	
CP220-222			RK75GB1J101J	CHIP-COM 100 J 1/16W		R56			RK73GB1J682J	CHIP R 6.8K J 1/16W	
CP223			RK75GA1J101J	CHIP-COM 100 J 1/16W		R57			RK73GB1J331J	CHIP R 330 J 1/16W	
CP224,225			RK75GB1J101J	CHIP-COM 100 J 1/16W		R58,59			RK73GB1J470J	CHIP R 47 J 1/16W	
CP226			RK75GA1J102J	CHIP-COM 1.0K J 1/16W		R60			RK73GB1J271J	CHIP R 270 J 1/16W	
CP228			RK75GB1J473J	CHIP-COM 47K J 1/16W		R61			RK73GB1J470J	CHIP R 47 J 1/16W	
CP230			RK75GA1J473J	CHIP-COM 47K J 1/16W		R63			RK73GB1J271J	CHIP R 270 J 1/16W	
CP231-233			RK75GB1J101J	CHIP-COM 100 J 1/16W		R64			RK73GB1J391J	CHIP R 390 J 1/16W	
CP351			RK75GB1J101J	CHIP-COM 100 J 1/16W		R65			RK73GB1J180J	CHIP R 18 J 1/16W	
CP731,732			RK75GB1J103J	CHIP-COM 10K J 1/16W		R66			RK73GB1J271J	CHIP R 270 J 1/16W	
CP802			RK75GB1J473J	CHIP-COM 47K J 1/16W		R67			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R1			RK73GB1J103J	CHIP R 10K J 1/16W		R68			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R2			RK73GB1J223J	CHIP R 22K J 1/16W		R69,70			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R3			RK73GB1J100J	CHIP R 10 J 1/16W		R71			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R4			RK73GB1J101J	CHIP R 100 J 1/16W		R72			RK73GB1J471J	CHIP R 470 J 1/16W	
R5			RK73GB1J222J	CHIP R 2.2K J 1/16W		R73			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R6			RK73GB1J823J	CHIP R 82K J 1/16W		R74			RK73GB1J471J	CHIP R 470 J 1/16W	
R7			RK73GB1J331J	CHIP R 330 J 1/16W		R75			RK73GB1J153J	CHIP R 15K J 1/16W	
R8			RK73GB1J224J	CHIP R 220K J 1/16W		R76			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R10			RK73GB1J392J	CHIP R 3.9K J 1/16W		R77			RK73GB1J470J	CHIP R 47 J 1/16W	
R11			RK73GB1J100J	CHIP R 10 J 1/16W		R78			RK73GB1J101J	CHIP R 100 J 1/16W	
R12			RK73GB1J101J	CHIP R 100 J 1/16W		R79			RK73GB1J820J	CHIP R 82 J 1/16W	
R13			RK73GB1J822J	CHIP R 8.2K J 1/16W		R80			RK73GB1J103J	CHIP R 10K J 1/16W	
R14			RK73GB1J153J	CHIP R 15K J 1/16W		R81			RK73GB1J271J	CHIP R 270 J 1/16W	
R15			RK73GB1J470J	CHIP R 47 J 1/16W		R82			RK73GB1J180J	CHIP R 18 J 1/16W	
R16			RK73GB1J102J	CHIP R 1.0K J 1/16W		R83			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R17			RK73GB1J391J	CHIP R 390 J 1/16W		R84			RK73GB1J153J	CHIP R 15K J 1/16W	
R18			RK73GB1J100J	CHIP R 10 J 1/16W		R85			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R19			RK73GB1J181J	CHIP R 180 J 1/16W		R86			RK73GB1J271J	CHIP R 270 J 1/16W	
R20			RK73GB1J100J	CHIP R 10 J 1/16W		R87			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R21			RK73GB1J331J	CHIP R 330 J 1/16W		R88			RK73GB1J470J	CHIP R 47 J 1/16W	
R22			RK73GB1J224J	CHIP R 220K J 1/16W		R89			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R23			RK73GB1J823J	CHIP R 82K J 1/16W		R90			R92-1252-05	CHIP R 0 OHM J 1/16W	
R24			RK73GB1J822J	CHIP R 8.2K J 1/16W		R91			RK73GB1J271J	CHIP R 270 J 1/16W	
R25			RK73GB1J153J	CHIP R 15K J 1/16W		R92			RK73GB1J180J	CHIP R 18 J 1/16W	
R26			RK73GB1J470J	CHIP R 47 J 1/16W		R93			RK73GB1J271J	CHIP R 270 J 1/16W	
R27,28			RK73GB1J331J	CHIP R 330 J 1/16W		R94			RK73GB1J103J	CHIP R 10K J 1/16W	
R29			RK73GB1J392J	CHIP R 3.9K J 1/16W		R95			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R30,31			RK73GB1J470J	CHIP R 47 J 1/16W		R96			R92-1252-05	CHIP R 0 OHM J 1/16W	
R32			RK73GB1J103J	CHIP R 10K J 1/16W		R97-102			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R33			RK73GB1J180J	CHIP R 18 J 1/16W		R103,104			R92-1061-05	JUMPER REST 0 OHM	
R34			RK73GB1J470J	CHIP R 47 J 1/16W		R105			RK73GB1J103J	CHIP R 10K J 1/16W	
R35			RK73GB1J180J	CHIP R 18 J 1/16W		R106			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R36			RK73GB1J560J	CHIP R 56 J 1/16W		R107			RK73GB1J103J	CHIP R 10K J 1/16W	
R37			RK73GB1J180J	CHIP R 18 J 1/16W		R108			RK73GB1J560J	CHIP R 56 J 1/16W	
R38			RK73GB1J103J	CHIP R 10K J 1/16W		R109			RK73GB1J104J	CHIP R 100K J 1/16W	
R39			RK73GB1J331J	CHIP R 330 J 1/16W		R110			RK73GB1J560J	CHIP R 56 J 1/16W	
R40			RK73GB1J153J	CHIP R 15K J 1/16W		R131			RK73GB1J221J	CHIP R 220 J 1/16W	
R41			RK73GB1J682J	CHIP R 6.8K J 1/16W		R132			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R42			RK73GB1J104J	CHIP R 100K J 1/16W		R133			RK73GB1J2R2J	CHIP R 2.2 J 1/16W	
R43			RK73GB1J331J	CHIP R 330 J 1/16W		R134			RK73GB1J223J	CHIP R 22K J 1/16W	
R44			RK73GB1J100J	CHIP R 10 J 1/16W		R135			RK73GB1J101J	CHIP R 100 J 1/16W	
R45			R92-1252-05	CHIP R 0 OHM J 1/16W		R136			RK73GB1J123J	CHIP R 12K J 1/16W	

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R137			RK73GB1J563J	CHIP R 56K J 1/16W		R286			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R138			RK73GB1J103J	CHIP R 10K J 1/16W		R287			RK73GB1J101J	CHIP R 100 J 1/16W	
R139			RK73GB1J101J	CHIP R 100 J 1/16W		R289			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R140,141			RK73GB1J471J	CHIP R 470 J 1/16W		R290,291			RK73GB1J103J	CHIP R 10K J 1/16W	
R142			RK73GB1J472J	CHIP R 4.7K J 1/16W		R292,293			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R143			RK73GB1J104J	CHIP R 100K J 1/16W		R294			RK73GB1J223J	CHIP R 22K J 1/16W	
R144			RK73GB1J272J	CHIP R 2.7K J 1/16W		R295-297			RK73GB1J103J	CHIP R 10K J 1/16W	
R145			RK73GB1J101J	CHIP R 100 J 1/16W		R298			RK73GB1J334J	CHIP R 330K J 1/16W	
R146,147			RK73GB1J103J	CHIP R 10K J 1/16W		R300			RK73GB1J334J	CHIP R 330K J 1/16W	
R148			RK73GB1J223J	CHIP R 22K J 1/16W		R301,302			R92-1252-05	CHIP R 0 OHM J 1/16W	
R149			RK73GB1J474J	CHIP R 470K J 1/16W		R303			RK73GB1J223J	CHIP R 22K J 1/16W	
R151,152			RK73GB1J153J	CHIP R 15K J 1/16W		R305			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R153			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		R306			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R154,155			RK73GB1J331J	CHIP R 330 J 1/16W		R307			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R201,202			RK73GB1J473J	CHIP R 47K J 1/16W		R308			RK73GB1J101J	CHIP R 100 J 1/16W	
R203			RK73GB1J102J	CHIP R 1.0K J 1/16W		R309			RK73GB1J223J	CHIP R 22K J 1/16W	
R206			RK73GB1J473J	CHIP R 47K J 1/16W		R310			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R209			RK73GB1J153J	CHIP R 15K J 1/16W		R311			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R210			RK73GB1J104J	CHIP R 100K J 1/16W		R312			RK73GB1J474J	CHIP R 470K J 1/16W	
R211			RK73GB1J103J	CHIP R 10K J 1/16W		R313			RK73GB1J473J	CHIP R 47K J 1/16W	
R212			RK73GB1J473J	CHIP R 47K J 1/16W		R314-316			RK73GB1J103J	CHIP R 10K J 1/16W	
R215			RK73GB1J101J	CHIP R 100 J 1/16W	EH,ES	R317			RK73GB1J563J	CHIP R 56K J 1/16W	
R217,218			RK73GB1J102J	CHIP R 1.0K J 1/16W		R318-320			RK73GB1J101J	CHIP R 100 J 1/16W	
R220			RK73GB1J473J	CHIP R 47K J 1/16W		R321			R92-1061-05	JUMPER REST 0 OHM	
R221			RK73GB1J102J	CHIP R 1.0K J 1/16W		R322			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R223			RK73GB1J102J	CHIP R 1.0K J 1/16W	EH,ES	R323			RK73GB1J473J	CHIP R 47K J 1/16W	
R224,225			RK73GB1J473J	CHIP R 47K J 1/16W		R324			RK73GB1J474J	CHIP R 470K J 1/16W	
R227			RK73GB1J101J	CHIP R 100 J 1/16W		R325-327			RK73GB1J473J	CHIP R 47K J 1/16W	
R228			RK73GB1J473J	CHIP R 47K J 1/16W		R328-331			RK73GB1J103J	CHIP R 10K J 1/16W	
R231			RK73GB1J473J	CHIP R 47K J 1/16W		R332,333			RK73GB1J101J	CHIP R 100 J 1/16W	
R234,235			RK73GB1J473J	CHIP R 47K J 1/16W		R334,335			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R236			RK73GB1J153J	CHIP R 15K J 1/16W		R336			RK73GB1J101J	CHIP R 100 J 1/16W	
R237			RK73GB1J103J	CHIP R 10K J 1/16W		R337			RK73GB1J104J	CHIP R 100K J 1/16W	
R239			RK73GB1J102J	CHIP R 1.0K J 1/16W	KS,ES	R338			R92-1252-05	CHIP R 0 OHM J 1/16W	
R240			RK73GB1J473J	CHIP R 47K J 1/16W		R339-344			RK73GB1J101J	CHIP R 100 J 1/16W	
R242			RK73GB1J183J	CHIP R 18K J 1/16W		R351			RK73GJ1J103D	CHIP R 10K D 1/16W	KH,EH
R246			R92-0699-05	CHIP R 10 J 1/2W		R352			RK73GJ1J393D	CHIP R 39K D 1/16W	KH,EH
R247			RK73GB1J822J	CHIP R 8.2K J 1/16W		R353			RK73GJ1J103D	CHIP R 10K D 1/16W	
R248			RK73GB1J562J	CHIP R 5.6K J 1/16W		R354			RK73GJ1J393D	CHIP R 39K D 1/16W	
R251			RK73GB1J223J	CHIP R 22K J 1/16W		R355-362			RK73GB1J101J	CHIP R 100 J 1/16W	
R252			RK73GB1J103J	CHIP R 10K J 1/16W		R364-366			RK73GB1J470J	CHIP R 47 J 1/16W	
R253			RK73GB1J102J	CHIP R 1.0K J 1/16W		R371,372			RK73GB1J473J	CHIP R 47K J 1/16W	
R254			RK73GB1J103J	CHIP R 10K J 1/16W		R373			RK73GJ1J392D	CHIP R 3.9K D 1/16W	KH,EH
R255			RK73GB1J223J	CHIP R 22K J 1/16W		R374			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R256			RK73GB1J473J	CHIP R 47K J 1/16W		R375,376			RK73GB1J101J	CHIP R 100 J 1/16W	
R258			RK73GB1J822J	CHIP R 8.2K J 1/16W		R451,452			RK73GB1J101J	CHIP R 100 J 1/16W	
R259			RK73GB1J562J	CHIP R 5.6K J 1/16W		R453,454			RK73GB1J221J	CHIP R 220 J 1/16W	
R260			R92-1252-05	CHIP R 0 OHM J 1/16W		R455,456			RK73GB1J391J	CHIP R 390 J 1/16W	
R261			RK73GB1J183J	CHIP R 18K J 1/16W		R457-459			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R262			RK73GB1J223J	CHIP R 22K J 1/16W		R460			RK73GB1J101J	CHIP R 100 J 1/16W	
R264-267			RK73GB1J223J	CHIP R 22K J 1/16W		R461			RK73GB1J470J	CHIP R 47 J 1/16W	
R269-272			RK73GB1J103J	CHIP R 10K J 1/16W		R462			RK73GB1J153J	CHIP R 15K J 1/16W	
R273			RK73GB1J223J	CHIP R 22K J 1/16W		R463			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R274			RK73GB1J101J	CHIP R 100 J 1/16W		R464			RK73GB1J221J	CHIP R 220 J 1/16W	
R275-277			RK73GB1J223J	CHIP R 22K J 1/16W		R465			RK73GB1J101J	CHIP R 100 J 1/16W	
R278,279			RK73GB1J101J	CHIP R 100 J 1/16W		R466			RK73GB1J391J	CHIP R 390 J 1/16W	
R280			RK73GB1J223J	CHIP R 22K J 1/16W		R468			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R281,282			RK73GB1J101J	CHIP R 100 J 1/16W		R469-471			R92-0670-05	CHIP R 0 OHM	
R283,284			RK73GB1J104J	CHIP R 100K J 1/16W		R501			RK73GB1J101J	CHIP R 100 J 1/16W	
R285			RK73GB1J101J	CHIP R 100 J 1/16W		R502			RK73GB1J104J	CHIP R 100K J 1/16W	

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R503,504			RK73GB1J101J	CHIP R 100 J 1/16W		R593			R92-1252-05	CHIP R 0 OHM J 1/16W	
R505			RK73GB1J102J	CHIP R 1.0K J 1/16W		R594			RK73GB1J470J	CHIP R 47 J 1/16W	
R506			RK73GB1J221J	CHIP R 220 J 1/16W		R595,596			RK73GB1J474J	CHIP R 470K J 1/16W	
R507			RK73GB1J102J	CHIP R 1.0K J 1/16W		R597			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R508			RK73GB1J223J	CHIP R 22K J 1/16W		R598			RK73GB1J331J	CHIP R 330 J 1/16W	
R509			RK73GB1J103J	CHIP R 10K J 1/16W		R599			RK73GB1J101J	CHIP R 100 J 1/16W	
R510			RK73GB1J101J	CHIP R 100 J 1/16W		R600,601			RK73GB1J471J	CHIP R 470 J 1/16W	
R511			RK73GB1J473J	CHIP R 47K J 1/16W		R602			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R512			RK73GB1J683J	CHIP R 68K J 1/16W		R603			RK73GB1J681J	CHIP R 680 J 1/16W	
R513			RK73GB1J103J	CHIP R 10K J 1/16W		R604			RK73GB1J221J	CHIP R 220 J 1/16W	
R514			RK73GB1J223J	CHIP R 22K J 1/16W		R605			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R515			RK73GB1J102J	CHIP R 1.0K J 1/16W		R606			RK73GB1J331J	CHIP R 330 J 1/16W	
R516			RK73GB1J103J	CHIP R 10K J 1/16W		R607			RK73GB1J821J	CHIP R 820 J 1/16W	
R517			RK73GB1J152J	CHIP R 1.5K J 1/16W		R608			RK73GB1J103J	CHIP R 10K J 1/16W	
R518			RK73GB1J223J	CHIP R 22K J 1/16W		R609			RK73GB1J473J	CHIP R 47K J 1/16W	
R519			RK73GB1J333J	CHIP R 33K J 1/16W		R610			RK73GB1J104J	CHIP R 100K J 1/16W	
R520			RK73GB1J221J	CHIP R 220 J 1/16W		R611			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R521			RK73GB1J102J	CHIP R 1.0K J 1/16W		R612			RK73GB1J104J	CHIP R 100K J 1/16W	
R522			RK73GB1J563J	CHIP R 56K J 1/16W		R622			RK73GB1J101J	CHIP R 100 J 1/16W	
R523			RK73GB1J101J	CHIP R 100 J 1/16W		R624			RK73GB1J471J	CHIP R 470 J 1/16W	
R524			RK73GB1J681J	CHIP R 680 J 1/16W		R625			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R525			RK73GB1J103J	CHIP R 10K J 1/16W		R626			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R526			RK73GB1J154J	CHIP R 150K J 1/16W		R627			RK73GB1J224J	CHIP R 220K J 1/16W	
R527			RK73GB1J101J	CHIP R 100 J 1/16W		R628			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R528			RK73GB1J471J	CHIP R 470 J 1/16W		R629			RK73GB1J334J	CHIP R 330K J 1/16W	
R551			RK73GB1J223J	CHIP R 22K J 1/16W		R631			RK73GB1J561J	CHIP R 560 J 1/16W	
R552			R92-1252-05	CHIP R 0 OHM J 1/16W		R632			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R554			RK73GB1J334J	CHIP R 330K J 1/16W		R633			RK73GB1J331J	CHIP R 330 J 1/16W	
R556			R92-1252-05	CHIP R 0 OHM J 1/16W		R634,635			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R557			RK73GB1J473J	CHIP R 47K J 1/16W		R636			RK73GB1J273J	CHIP R 27K J 1/16W	
R558			RK73GB1J102J	CHIP R 1.0K J 1/16W		R637			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R559			RK73GB1J222J	CHIP R 2.2K J 1/16W		R638			RK73GB1J273J	CHIP R 27K J 1/16W	
R560			RK73GB1J102J	CHIP R 1.0K J 1/16W		R640			R92-1252-05	CHIP R 0 OHM J 1/16W	
R562,563			RK73GB1J332J	CHIP R 3.3K J 1/16W		R641			RK73GB1J331J	CHIP R 330 J 1/16W	
R564			RK73GB1J104J	CHIP R 100K J 1/16W		R642			RK73GB1J471J	CHIP R 470 J 1/16W	
R565			RK73GB1J393J	CHIP R 39K J 1/16W		R643			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R566			RK73GB1J101J	CHIP R 100 J 1/16W		R644			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R567			RK73GB1J331J	CHIP R 330 J 1/16W		R645			RK73GB1J681J	CHIP R 680 J 1/16W	
R568			RK73GB1J103J	CHIP R 10K J 1/16W		R646			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R569			RK73GB1J470J	CHIP R 47 J 1/16W		R647			RK73GB1J473J	CHIP R 47K J 1/16W	
R570			RK73GB1J104J	CHIP R 100K J 1/16W		R648			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R571			RK73GB1J222J	CHIP R 2.2K J 1/16W		R649			RK73GB1J473J	CHIP R 47K J 1/16W	
R572			RK73GB1J102J	CHIP R 1.0K J 1/16W		R650,651			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R573			RK73GB1J101J	CHIP R 100 J 1/16W		R652			RK73GB1J103J	CHIP R 10K J 1/16W	
R574			RK73GB1J104J	CHIP R 100K J 1/16W		R653			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R575			RK73GB1J393J	CHIP R 39K J 1/16W		R654			RK73GB1J103J	CHIP R 10K J 1/16W	
R576			RK73GB1J472J	CHIP R 4.7K J 1/16W		R655			RK73GB1J223J	CHIP R 22K J 1/16W	
R577			RK73GB1J331J	CHIP R 330 J 1/16W		R656			RK73GB1J821J	CHIP R 820 J 1/16W	
R578			RK73GB1J104J	CHIP R 100K J 1/16W		R657			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R579			RK73GB1J103J	CHIP R 10K J 1/16W		R658			RK73GB1J471J	CHIP R 470 J 1/16W	
R580			RK73GB1J470J	CHIP R 47 J 1/16W		R681			RK73GB1J123J	CHIP R 12K J 1/16W	
R583			RK73GB1J101J	CHIP R 100 J 1/16W		R682			R92-1252-05	CHIP R 0 OHM J 1/16W	
R584			RK73GB1J474J	CHIP R 470K J 1/16W		R683			RK73GB1J474J	CHIP R 470K J 1/16W	
R586			RK73GB1J470J	CHIP R 47 J 1/16W		R685			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R587			RK73GB1J222J	CHIP R 2.2K J 1/16W		R686			RK73GB1J274J	CHIP R 270K J 1/16W	
R588			RK73GB1J471J	CHIP R 470 J 1/16W		R687			R92-1252-05	CHIP R 0 OHM J 1/16W	
R589			RK73GB1J562J	CHIP R 5.6K J 1/16W		R688			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R590			RK73GB1J104J	CHIP R 100K J 1/16W		R689			RK73GB1J333J	CHIP R 33K J 1/16W	
R591			RK73GB1J274J	CHIP R 270K J 1/16W		R690			RK73GB1J103J	CHIP R 10K J 1/16W	
R592			RK73GB1J331J	CHIP R 330 J 1/16W		R691			RK73GB1J102J	CHIP R 1.0K J 1/16W	

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R692			RK73GB1J153J	CHIP R 15K J 1/16W		R804			RK73GB1J103J	CHIP R 10K J 1/16W	KH,EH
R693-697			RK73GB1J473J	CHIP R 47K J 1/16W		R804			RK73GB1J153J	CHIP R 15K J 1/16W	KS,ES
R698			RK73GB1J103J	CHIP R 10K J 1/16W		R805			RK73GB1J473J	CHIP R 47K J 1/16W	
R699			RK73GB1J102J	CHIP R 1.0K J 1/16W		R806			RK73GB1J103J	CHIP R 10K J 1/16W	
R700			RK73GB1J822J	CHIP R 8.2K J 1/16W		R807			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R701			RK73GB1J330J	CHIP R 33 J 1/16W		R808-811			RK73GB1J333J	CHIP R 33K J 1/16W	KH,EH
R702			RK73GB1J103J	CHIP R 10K J 1/16W		R810,811			RK73GB1J333J	CHIP R 33K J 1/16W	KS,ES
R703			RK73GB1J331J	CHIP R 330 J 1/16W		R812			RK73GB1J104J	CHIP R 100K J 1/16W	
R704			RK73GB1J104J	CHIP R 100K J 1/16W		R813			RK73GB1J334J	CHIP R 330K J 1/16W	
R705			RK73GB1J473J	CHIP R 47K J 1/16W		R814			RK73GB1J333J	CHIP R 33K J 1/16W	
R706			RK73GB1J104J	CHIP R 100K J 1/16W		R815			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R707			RK73GB1J123J	CHIP R 12K J 1/16W		R816			RK73GB1J103J	CHIP R 10K J 1/16W	KH,EH
R708			RK73GB1J683J	CHIP R 68K J 1/16W		R816			RK73GB1J153J	CHIP R 15K J 1/16W	KS,ES
R709,710			RK73GB1J473J	CHIP R 47K J 1/16W		R817			RK73GB1J224J	CHIP R 220K J 1/16W	
R711			RK73GB1J103J	CHIP R 10K J 1/16W		R818			RK73GB1J394J	CHIP R 390K J 1/16W	
R712			RK73GB1J472J	CHIP R 4.7K J 1/16W		R819			RK73GB1J334J	CHIP R 330K J 1/16W	
R713			R92-1252-05	CHIP R 0 OHM J 1/16W		R820			RK73GB1J105J	CHIP R 1.0M J 1/16W	KS,ES
R714			RK73GB1J473J	CHIP R 47K J 1/16W		R820-822			RK73GB1J105J	CHIP R 1.0M J 1/16W	KH,EH
R715			RK73GB1J223J	CHIP R 22K J 1/16W		R822			RK73GB1J105J	CHIP R 1.0M J 1/16W	KS,ES
R731			RK73GB1J101J	CHIP R 100 J 1/16W		R823			R92-1252-05	CHIP R 0 OHM J 1/16W	
R732			RK73GB1J474J	CHIP R 470K J 1/16W		R824			RK73GB1J471J	CHIP R 470 J 1/16W	
R733			RK73GB1J102J	CHIP R 1.0K J 1/16W		R826,827			RK73GB1J471J	CHIP R 470 J 1/16W	KH,EH
R734			R92-1252-05	CHIP R 0 OHM J 1/16W		R827			RK73GB1J471J	CHIP R 470 J 1/16W	KS,ES
R735			RK73GB1J103J	CHIP R 10K J 1/16W		R828			RK73GB1J330J	CHIP R 33 J 1/16W	
R736			RK73GB1J223J	CHIP R 22K J 1/16W		R830			R92-1252-05	CHIP R 0 OHM J 1/16W	
R737			R92-1252-05	CHIP R 0 OHM J 1/16W		R832,833			R92-1252-05	CHIP R 0 OHM J 1/16W	
R738			RK73GB1J473J	CHIP R 47K J 1/16W		R834			RK73GB1J103J	CHIP R 10K J 1/16W	
R739			RK73GB1J103J	CHIP R 10K J 1/16W		R835			RK73GB1J224J	CHIP R 220K J 1/16W	
R740			RK73GB1J104J	CHIP R 100K J 1/16W		R837			RK73GB1J273J	CHIP R 27K J 1/16W	
R741			RK73GB1J393J	CHIP R 39K J 1/16W	KH,EH	R838			RK73GB1J822J	CHIP R 8.2K J 1/16W	
R741			RK73GB1J683J	CHIP R 68K J 1/16W	KS,ES	R839			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R742			RK73GB1J104J	CHIP R 100K J 1/16W		R840			RK73GB1J103J	CHIP R 10K J 1/16W	
R743			RK73GB1J273J	CHIP R 27K J 1/16W		R841			RK73GB1J104J	CHIP R 100K J 1/16W	
R744			RK73GB1J222J	CHIP R 2.2K J 1/16W		R845			RK73GB1J104J	CHIP R 100K J 1/16W	
R745,746			RK73GB1J101J	CHIP R 100 J 1/16W		R846			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R747,748			RK73GB1J104J	CHIP R 100K J 1/16W		R847			RK73GB1J103J	CHIP R 10K J 1/16W	
R749			RK73GB1J564J	CHIP R 560K J 1/16W		R848			RK73GB1J563J	CHIP R 56K J 1/16W	
R750			RK73GB1J104J	CHIP R 100K J 1/16W		R850			RK73GB1J560J	CHIP R 56 J 1/16W	
R751			RK73GB1J473J	CHIP R 47K J 1/16W		R851			R92-1252-05	CHIP R 0 OHM J 1/16W	
R752			RK73GB1J104J	CHIP R 100K J 1/16W		R852			RK73GB1J104J	CHIP R 100K J 1/16W	
R754			RK73GB1J151J	CHIP R 150 J 1/16W		R853			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R756			RK73GB1J103J	CHIP R 10K J 1/16W		R854			R92-1252-05	CHIP R 0 OHM J 1/16W	
R757			RK73GB1J472J	CHIP R 4.7K J 1/16W		R856			R92-1252-05	CHIP R 0 OHM J 1/16W	
R759			RK73GB1J221J	CHIP R 220 J 1/16W		R857			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R760			RK73GB1J104J	CHIP R 100K J 1/16W		R858			RK73GB1J561J	CHIP R 560 J 1/16W	
R762			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		R859			RK73GB1J101J	CHIP R 100 J 1/16W	
R763			RK73GB1J101J	CHIP R 100 J 1/16W		R901			RK73GB1J103J	CHIP R 10K J 1/16W	
R764			RK73GB1J473J	CHIP R 47K J 1/16W		R902,903			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R765			RK73GB1J223J	CHIP R 22K J 1/16W		R904			RK73GB1J223J	CHIP R 22K J 1/16W	
R766,767			RK73GB1J102J	CHIP R 1.0K J 1/16W		R905			RK73GB1J471J	CHIP R 470 J 1/16W	
R768			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		R906			RK73GB1J104J	CHIP R 100K J 1/16W	
R769			RK73GB1J102J	CHIP R 1.0K J 1/16W		R907			RK73GB1J393J	CHIP R 39K J 1/16W	
R770			RK73GB1J473J	CHIP R 47K J 1/16W		R908			RK73GB1J101J	CHIP R 100 J 1/16W	
R772			RK73GB1J224J	CHIP R 220K J 1/16W		R909			RK73GB1J330J	CHIP R 33 J 1/16W	
R772			RK73GB1J394J	CHIP R 390K J 1/16W	KH,EH KS,ES	R911			RK73GB1J471J	CHIP R 470 J 1/16W	
R774			RK73GB1J182J	CHIP R 1.8K J 1/16W		R912			RK73GB1J470J	CHIP R 47 J 1/16W	
R775			RK73GB1J183J	CHIP R 18K J 1/16W		R913			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R801			R92-1252-05	CHIP R 0 OHM J 1/16W		R914			RK73GB1J331J	CHIP R 330 J 1/16W	
R802			RK73GB1J101J	CHIP R 100 J 1/16W		R918			R92-1252-05	CHIP R 0 OHM J 1/16W	
R803			RK73GB1J333J	CHIP R 33K J 1/16W		R919			RK73GB1J102J	CHIP R 1.0K J 1/16W	

KH : TS-480HX (K) KS : TS-480SAT (K)
EH : TS-480HX (E) ES : TS-480SAT (E)

TS-480HX/480SAT

PARTS LIST

TX-RX UNIT (X57-663X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
R920			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R921			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R922			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R923			RK73GB1J103J	CHIP R 10K J 1/16W	
R924			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R925			RK73GB1J822J	CHIP R 8.2K J 1/16W	
R926			RK73GB1J101J	CHIP R 100 J 1/16W	
R927			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R931,932			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R933,934			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R935			RK73GB1J101J	CHIP R 100 J 1/16W	
R936			RK73GB1J331J	CHIP R 330 J 1/16W	
R937-939			RK73GB1J101J	CHIP R 100 J 1/16W	
R940			RK73GB1J391J	CHIP R 390 J 1/16W	
R941,942			R92-1252-05	CHIP R 0 OHM J 1/16W	
R943,944			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R945			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R946			RK73GB1J101J	CHIP R 100 J 1/16W	
R947			RK73GB1J391J	CHIP R 390 J 1/16W	
R948,949			R92-1252-05	CHIP R 0 OHM J 1/16W	
R950			RK73GB1J681J	CHIP R 680 J 1/16W	
R951-954			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R955-958			RK73GB1J101J	CHIP R 100 J 1/16W	
R971			R92-1252-05	CHIP R 0 OHM J 1/16W	
R972			RK73GB1J471J	CHIP R 470 J 1/16W	
R973			RK73GB1J823J	CHIP R 82K J 1/16W	
R975,976			RK73GB1J101J	CHIP R 100 J 1/16W	
R977			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R978			R92-1252-05	CHIP R 0 OHM J 1/16W	
R979			RK73GB1J101J	CHIP R 100 J 1/16W	
R980			RK73GB1J103J	CHIP R 10K J 1/16W	
R981			RK73GB1J471J	CHIP R 470 J 1/16W	
R982			RK73GB1J332J	CHIP R 3.3K J 1/16W	
VR1,2			R12-7484-05	TRIMMING POT. (4.7K/8)	KH,EH
VR2			R12-7484-05	TRIMMING POT. (4.7K/8)	KS,ES
VR621,622			R12-7484-05	TRIMMING POT. (4.7K/8)	
K131			S51-1420-05	RELAY	
K731			S51-1428-05	RELAY	
S201			S62-0412-05	SLIDE SWITCH	
D1			KV1470	VARIABLE CAPACITANCE DIODE	
D2,3			HSC277	DIODE	
D4			MA2S111	DIODE	
D131-135			DA221	DIODE	
D136			MA2S111	DIODE	
D137		*	015AZ3.3-X	ZENER DIODE	
D138			MA2S111	DIODE	
D139		*	015AZ5.1-Y	ZENER DIODE	
D202			MINISMDC050-02	VARISTOR	
D203,204			015AZ6.8	ZENER DIODE	
D205			MA2S111	DIODE	
D206		*	015AZ10-Y	ZENER DIODE	
D207		*	015AZ3.3-X	ZENER DIODE	
D208		*	KDS121E	DIODE	
D210			MA2S111	DIODE	
D211		*	015AZ3.3-X	ZENER DIODE	
D212		*	KDZ18EV	ZENER DIODE	
D213			RLS245	DIODE	
D351,352		*	KDZ18EV	ZENER DIODE	KH,EH
D352		*	KDZ18EV	ZENER DIODE	KS,ES
Ref. No.	Address	New parts	Parts No.	Description	Destination
D353,354			DA221	DIODE	
D355,356			1SS388	DIODE	
D357			MINISMDC050-02	VARISTOR	
D358			RLS245	DIODE	
D359			1SS388	DIODE	
D360			MINISMDC050-02	VARISTOR	
D451,452			KV1470	VARIABLE CAPACITANCE DIODE	
D453,454			HSC277	DIODE	
D455			KV1470	VARIABLE CAPACITANCE DIODE	
D456			HSC277	DIODE	
D501			RB706F-40	DIODE	
D551			RN731V	DIODE	
D552			HSM88AS	DIODE	
D555			HSM88AS	DIODE	
D557,558		*	KDS121E	DIODE	
D559			1SS388	DIODE	
D622,623			MA2S111	DIODE	
D624,625			1SS388	DIODE	
D681-683			MA2S111	DIODE	
D733,734			1SS388	DIODE	
D735		*	KDS121E	DIODE	
D736			MA2S111	DIODE	
D801		*	015AZ5.1-Y	ZENER DIODE	
D802			MA2S111	DIODE	
D804			015AZ6.8	ZENER DIODE	
D805			1SS388	DIODE	KS,ES
D805,806			MA2S111	DIODE	KH,EH
D806			MA2S111	DIODE	KS,ES
D807,808		*	KDS120E	DIODE	
D809		*	015AZ3.3-X	ZENER DIODE	
D810		*	015AZ5.1-Y	ZENER DIODE	
D811			MA2S111	DIODE	
D812,813			1SS388	DIODE	
D816-819			MA2S111	DIODE	
D901-904			RN731V	DIODE	
D905			1SS388	DIODE	
D906			RN731V	DIODE	
D931			RN731V	DIODE	
D932-936		*	1SV312	DIODE	
D937			HSC277	DIODE	
D938			HVC131	DIODE	
D939-941			HSC277	DIODE	
D944,945			1SS388	DIODE	
IC1,2			AD9835BRU	MOS IC	
IC3			LMX2306TMX	MOS IC	
IC201			TC74HC4052AFT	MOS IC	
IC202			AT25640N10SI27	ROM IC	
IC203			ADM202EARU	MOS IC	
IC204		*	HD64F2338VFC25	MCU	
IC205		*	HD74HCT541T	MOS IC	
IC207		*	HD74LV2G34AUS	MOS IC	
IC208			TC7WT125FU	MOS IC	
IC209		*	HD74LV2G34AUS	MOS IC	
IC210,211			PST9130NR	MOS IC	
IC212			M62364FP	MOS IC	
IC213		*	XC6203P332P	MOS IC	
IC214			NJM2100V	MOS IC	
IC215		*	XC6203P332P	MOS IC	
IC216			XC62FP1802P	MOS IC	
IC217			AK4550VT	MOS IC	

PARTS LIST

TX-RX UNIT (X57-663X-XX)

SUB UNIT (X58-4900-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
IC218			NJM2100V	MOS IC		Q552			2SC4617(R)	TRANSISTOR	
IC219			BU4066BCFV	MOS IC		Q553			KRC402E	DIGITAL TRANSISTOR	
IC220			320VC5402PGE	MPU		Q554		*	3SK317	FET	
IC221			NJM2100V	MOS IC		Q556-558			2SC4617(R)	TRANSISTOR	
IC222		*	HD74LV541AT	MOS IC		Q559			KRC402E	DIGITAL TRANSISTOR	
IC223			TC7S04FU	MOS IC		Q560			RN1704	TRANSISTOR	
IC224			NJM2100V	MOS IC		Q561			KRC402E	DIGITAL TRANSISTOR	
IC225			TC7WT125FU	MOS IC		Q562		*	KRC404E	DIGITAL TRANSISTOR	
IC226		*	HD74LV1GT125A	MOS IC		Q563			KRC402E	DIGITAL TRANSISTOR	
IC227		*	HD74LV2G34AUS	MOS IC		Q621-623			2SC4617(R)	TRANSISTOR	
IC551			TA31136FN	MOS IC		Q624			2SA1774(R)	TRANSISTOR	
IC552			TC7W66FK	MOS IC		Q625			UMX2N	TRANSISTOR	
IC553			TA4101F	IC (IC)		Q681			RN47A5	TRANSISTOR	
IC554			TC7S51FE	MOS IC		Q682		*	HN7G01FU	TRANSISTOR	
IC621		*	NJM1496V	BI-POLAR IC		Q683			2SC4617(R)	TRANSISTOR	
IC681		*	M62353AGP	MOS IC		Q684		*	HN7G01FU	TRANSISTOR	
IC682			BU4066BCFV	MOS IC		Q685,686			KRC402E	DIGITAL TRANSISTOR	
IC683			NJM2100V	MOS IC		Q731			RN1704	TRANSISTOR	
IC684			BU4S66	MOS IC		Q732,733		*	KRA555U	DIGITAL TRANSISTOR	
IC685			TC7S66FU	MOS IC		Q734			2SK1824	FET	
IC695			XC6204B502MR	MOS IC		Q735			2SD1624(S)	TRANSISTOR	
IC731			BU2099FV	MOS IC		Q737			RN47A5	TRANSISTOR	
IC732			NJM2904V	MOS IC		Q803			RN1701	TRANSISTOR	
IC733			BU4066BCFV	MOS IC		Q805		*	KRC404E	DIGITAL TRANSISTOR	
IC734			LA4446	BI-POLAR IC		Q806			2SC4617(R)	TRANSISTOR	
IC801			NJM2904V	MOS IC		Q807		*	KRA318E	DIGITAL TRANSISTOR	
IC802			NJM2902V	MOS IC		Q901		*	3SK317	FET	
Q1-8			2SC4617(R)	TRANSISTOR		Q902,903			KRC402E	DIGITAL TRANSISTOR	
Q9			UMX2N	TRANSISTOR		Q971			2SC3356	TRANSISTOR	
Q10-12			2SC4617(R)	TRANSISTOR		TH551			157-502-65001	THERMISTOR	
Q13			RN47A5	TRANSISTOR		TH552			157-503-65001	THERMISTOR	
Q14,15			2SC4649(N,P)	TRANSISTOR		TH621,622			157-471-65001	THERMISTOR	
Q16		*	KRC418E	DIGITAL TRANSISTOR		TH901			157-101-65001	THERMISTOR	
Q17			2SC4617(R)	TRANSISTOR		TH902			157-302-65801	THERMISTOR	
Q18			UMX2N	TRANSISTOR		TH971			157-101-65001	THERMISTOR	
Q19			2SC4617(R)	TRANSISTOR		TH972			157-302-65801	THERMISTOR	
Q131			KRC402E	DIGITAL TRANSISTOR							
Q132			2SB1188(Q,R)	TRANSISTOR							
Q133			UMX2N	TRANSISTOR							
Q134,135			RN1704	TRANSISTOR							
Q136			2SK1824	FET							
Q137,138			KRC402E	DIGITAL TRANSISTOR							
Q201			2SC4617(R)	TRANSISTOR							
Q202			2SB1188(Q,R)	TRANSISTOR							
Q203			RN47A5	TRANSISTOR							
Q204		*	KRC401E	DIGITAL TRANSISTOR							
Q205			KRC402E	DIGITAL TRANSISTOR							
Q207		*	HN7G01FU	TRANSISTOR							
Q451,452			2SK508NV(K52)	FET							
Q453,454		*	KRC418E	DIGITAL TRANSISTOR							
Q455			2SC4649(N,P)	TRANSISTOR							
Q456			2SK508NV(K52)	FET							
Q457		*	KRC418E	DIGITAL TRANSISTOR							
Q501			2SC3356	TRANSISTOR							
Q502			UMX2N	TRANSISTOR							
Q503			2SK1824	FET							
Q504-506			2SC4617(Q)	TRANSISTOR							
Q507			KRA302E	DIGITAL TRANSISTOR							
Q508			2SC4617(R)	TRANSISTOR							
Q551		*	3SK317	FET							
SUB UNIT (X58-4900-XX) -00 : KH,EH -01 : KS,ES											
C1			CK73FB1H102K	CHIP C	1000PF	K					
C2,3			CK73FB1E104K	CHIP C	0.10UF	K					
C4-7			CC73FCH1H220J	CHIP C	22PF	J				KS,ES	
C4,5			CC73FCH1H220J	CHIP C	22PF	J				KH,EH	
C6,7			CC73FCH1H331J	CHIP C	330PF	J				KH,EH	
C8,9			CC73FCH1H331J	CHIP C	330PF	J				KS,ES	
C10			CK73FB1E104K	CHIP C	0.10UF	K					
-		*	F01-1029-04	RADIATION PLATE							
R3,4			RK73FB2A332J	CHIP R	3.3K	J	1/10W				
R5,6		*	R92-3569-05	CHIP R	330	J	1/4W				
R7,8			RK73FB2A1R0J	CHIP R	1.0	J	1/10W				
R9,10			RK73FB2A270J	CHIP R	27	J	1/10W			KS,ES	
R9,10			RK73FB2A560J	CHIP R	56	J	1/10W			KH,EH	
D1,2			1SS388	DIODE							
Q1,2			2SK3075-H	FET							

KH : TS-480HX (K) KS : TS-480SAT (K)

EH : TS-480HX (E) ES : TS-480SAT (E)