TK-3130/3131

PARTS LIST

✻ New Parts. ⚠ indicates safety critical components.
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

L : Scandinavia **K**: USA **P** : Canada
Y: PX (Far East, Hawaii) **T**: England **E** : Europe
Y: AAFES (Europe) **X**: Australia **M**: Other Areas

TK-3130/3131
TX-RX UNIT (X57-6460-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
TK-3130/3131					
1	3A	✻	A02-3661-13	CABINET ASSY (REAR)	
2	1A	✻	A02-3663-03	CABINET ASSY (FRONT)	30K
2	1A	✻	A02-3705-03	CABINET ASSY (FRONT)	31K
2	1A	✻	A02-3706-03	CABINET ASSY (FRONT)	A
5	3B	✻	B09-0627-03	CAP (P-JACK)	
6	1B	✻	B11-1285-03	ILLUMINATION GUIDE (LCD)	
7	1B	✻	B38-0866-05	LCD	
8	3A	✻	B41-1841-04	CAUTION LABEL (FCC SAR)	30K,31K
9	1D	✻	B46-0773-10	WARRANTY CARD	30K
9	1D	✻	B46-0774-00	WARRANTY CARD	31K
10	1D	✻	B62-1486-00	INSTRUCTION MANUAL	30K
10	1D	✻	B62-1590-00	INSTRUCTION MANUAL	31K
11	1F	✻	B62-1591-00	INSTRUCTION MANUAL	A
12	3A	✻	B72-1970-04	MODEL NAME PLATE	30K
12	3A	✻	B72-2062-04	MODEL NAME PLATE	31K
12	3A	✻	B72-2063-04	MODEL NAME PLATE	A
13	1B	✻	E29-1194-04	INTER CONNECTOR (LCD)	
14	1A		E37-0810-15	PARALLEL CORD (SP)	
16	3A	✻	F07-1855-02	COVER (BATT)	
17	2A	✻	G11-4192-04	SHEET	
18	3B	✻	G11-4193-04	SHEET	
19	2A		G13-1751-04	CUSHION	
20	2A	✻	G13-1934-04	CUSHION	
21	3B		G53-1521-04	PACKING (P-JACK)	
22	2D,2F	✻	H12-3110-05	PACKING FIXTURE	
23	2C	✻	H12-3111-03	PACKING FIXTURE	30K,31K
24	1D,1E	✻	H25-2345-04	PROTECTION BAG	
25	3C	✻	H52-1817-02	ITEM CARTON CASE	30K
25	3C	✻	H52-1897-02	ITEM CARTON CASE	31K
26	3F	✻	H52-1898-02	ITEM CARTON CASE	A
27	1B	✻	J21-8427-14	HARDWARE FIXTURE (LCD)	
28	1D,1F	✻	J29-0691-04	HOOK ASSY	
29	2A		J30-1212-04	SPACER (MIC)	
31	1A	✻	K29-9136-12	KEY TOP	
32	2A	✻	K29-9137-13	BUTTON KNOB (PTT)	
33	3B	✻	K29-9138-03	KNOB (VOL)	
A	3B		N14-0583-04	CIRCULAR NUT (VOL)	
B	2A		N39-2030-46	PAN HEAD MACHINE SCREW	
C	3A		N80-2006-45	PAN HEAD TAPTITE SCREW	
D	3B		N80-2012-45	PAN HEAD TAPTITE SCREW	
E	2B		N82-2005-46	BINDING HEAD TAPTITE SCREW	
F	2A		N82-2008-45	BINDING HEAD TAPTITE SCREW	
35	1A		T07-0362-05	SPEAKER	
36	2A	✻	T42-0335-05	MOTOR	
37	2B	✻	T90-1004-05	ANTENNA	
39	1C	✻	W08-0937-05	AC ADAPTER (120V AC)	30K,31K
40	1C	✻	W08-0938-15	CHARGER	30K,31K

Ref. No.	Address	New parts	Parts No.	Description			Destination
TX-RX UNIT (X57-6460-XX) -10 : TK-3130/3131 K -31 : TK-3131 A							
D200			B30-2143-05	LED (YG)			
D201		✻	B30-2242-05	LED (RG)			
C1			CK73HB1H471K	CHIP C	470PF	K	
C2			CC73HCH1H470J	CHIP C	47PF	J	
C3,4			CC73HCH1H100D	CHIP C	10PF	D	
C5			CK73HB1H102K	CHIP C	1000PF	K	
C6			C92-0695-05	CHIP-TAN	10UF	10WV	
C7			CC73HCH1H470J	CHIP C	47PF	J	
C13			CK73HB1H102K	CHIP C	1000PF	K	
C17			C92-0001-05	CHIP C	0.1UF	35WV	
C18			C92-0501-05	CHIP-TAN	1.5UF	10WV	
C19			C92-0502-05	CHIP-TAN	0.33UF	35WV	
C22			CK73HB1H471K	CHIP C	470PF	K	
C24			CC73HCH1H090D	CHIP C	9.0PF	D	
C25			CC73HCH1H100D	CHIP C	10PF	D	
C27			CK73HB1H471K	CHIP C	470PF	K	
C29,30			CK73HB1H471K	CHIP C	470PF	K	
C31			C92-0712-05	CHIP-TAN	22UF	6.3WV	
C32,33			CK73HB1H471K	CHIP C	470PF	K	
C35			CC73HCH1H120J	CHIP C	12PF	J	
C36			CC73HCH1H070B	CHIP C	7.0PF	B	
C38			CC73HCH1H0R5B	CHIP C	0.5PF	B	
C41			CC73HCH1H100D	CHIP C	10PF	D	
C42			CK73HB1H471K	CHIP C	470PF	K	
C44			CC73HCH1H120J	CHIP C	12PF	J	
C45			CC73HCH1H0R5B	CHIP C	0.5PF	B	
C46			CK73HB1H471K	CHIP C	470PF	K	
C47			CC73HCH1H080D	CHIP C	8.0PF	D	
C48			CK73HB1H471K	CHIP C	470PF	K	
C50,51			CK73HB1H471K	CHIP C	470PF	K	
C52			CK73HB1H182K	CHIP C	1800PF	K	
C53			CC73GCH1H030C	CHIP C	3.0PF	C	
C54,55			CK73HB1H471K	CHIP C	470PF	K	
C56			CC73HCH1H040C	CHIP C	4.0PF	C	
C57			CK73HB1H471K	CHIP C	470PF	K	
C59-61			CK73HB1H471K	CHIP C	470PF	K	
C63			CK73HB1A104K	CHIP C	0.10UF	K	
C64,65			CC73HCH1H150J	CHIP C	15PF	J	
C67			CK73HB1H102K	CHIP C	1000PF	K	
C69,70			CK73HB1H102K	CHIP C	1000PF	K	
C71			CK73HB1H471K	CHIP C	470PF	K	
C73			CK73HB1H471K	CHIP C	470PF	K	
C76			CK73HB1H471K	CHIP C	470PF	K	
C77			CK73HB1C103K	CHIP C	0.010UF	K	
C78			CK73HB1A104K	CHIP C	0.10UF	K	
C79			CK73FB1A105K	CHIP C	1.0UF	K	
C80			CK73HB1H471K	CHIP C	470PF	K	
C87			CC73GCH1H220J	CHIP C	22PF	J	
C89			CK73GB1H471K	CHIP C	470PF	K	
C91			CK73GB1H471K	CHIP C	470PF	K	
C92			CC73GCH1H080D	CHIP C	8.0PF	D	
C93			CC73GCH1H471J	CHIP C	470PF	J	
C94			CC73HCH1H010C	CHIP C	1.0PF	C	

30K : TK-3130K
31K : TK-3131K
A : TK-3131A

PARTS LIST

TX-RX UNIT (X57-6460-XX)

Ref. No.	Address	New parts	Parts No.	Description			Destination
C95			CC73GCH1H070B	CHIP C	7.0PF	B	
C97			CC73GCH1H150J	CHIP C	15PF	J	
C99			CC73GCH1H120J	CHIP C	12PF	J	
C100			CC73GCH1H020B	CHIP C	2.0PF	B	
C101			CC73GCH1H060B	CHIP C	6.0PF	B	
C103			CK73HB1H102K	CHIP C	1000PF	K	
C106			CK73HB1H471K	CHIP C	470PF	K	
C118			CK73HB1H471K	CHIP C	470PF	K	
C119			CC73HCH1H070D	CHIP C	7.0PF	D	
C120			CK73HB1H471K	CHIP C	470PF	K	
C122,123			CK73HB1H471K	CHIP C	470PF	K	
C128,129			CK73HB1H471K	CHIP C	470PF	K	
C130			CK73HB1C103K	CHIP C	0.010UF	K	
C132			CK73HB1H471K	CHIP C	470PF	K	
C133			CK73HB1C103K	CHIP C	0.010UF	K	
C134			CK73HB1H102K	CHIP C	1000PF	K	
C135			CK73HB1C103K	CHIP C	0.010UF	K	
C136			CC73HCH1H030C	CHIP C	3.0PF	C	
C137			CC73HCH1H120J	CHIP C	12PF	J	
C138			CC73HCH1H030C	CHIP C	3.0PF	C	
C140			CC73HCH1H040C	CHIP C	4.0PF	C	
C143			CK73HB1H102K	CHIP C	1000PF	K	
C144			CK73HB1C103K	CHIP C	0.010UF	K	
C145			CK73HB1H102K	CHIP C	1000PF	K	
C146			CK73HB1C103K	CHIP C	0.010UF	K	
C147			CK73HB1H182K	CHIP C	1800PF	K	
C148			CC73HCH1H270J	CHIP C	27PF	J	
C150			CK73HB1A104K	CHIP C	0.10UF	K	
C151			CK73HB1H182K	CHIP C	1800PF	K	
C153-155			CK73HB1H471K	CHIP C	470PF	K	
C156			CK73HB1H182K	CHIP C	1800PF	K	
C157			CK73HB1H102K	CHIP C	1000PF	K	
C158			CK73HB1A333K	CHIP C	0.033UF	K	
C159			CK73HB1H102K	CHIP C	1000PF	K	
C160			CK73HB1A473K	CHIP C	0.047UF	K	
C161			CK73FB1E224K	CHIP C	0.22UF	K	
C162			CK73HB1H102K	CHIP C	1000PF	K	
C163			C92-0695-05	CHIP-TAN	10UF	10WV	
C164			CK73HB1H102K	CHIP C	1000PF	K	
C165			CK73HB1H471K	CHIP C	470PF	K	
C166			CC73HCH1H470J	CHIP C	47PF	J	
C169			CK73HB1H331K	CHIP C	330PF	K	
C170			CK73GB1H183K	CHIP C	0.018UF	K	
C171			CC73HCH1H150J	CHIP C	15PF	J	
C172			CK73HB1C103K	CHIP C	0.010UF	K	
C173			CC73HCH1H680J	CHIP C	68PF	J	
C174			CC73HCH1H330J	CHIP C	33PF	J	
C175			CC73HCH1H121J	CHIP C	120PF	J	
C176			CC73HCH1H330J	CHIP C	33PF	J	
C177			CC73HCH1H680J	CHIP C	68PF	J	
C178			CK73HB1H102K	CHIP C	1000PF	K	
C179			CK73FB1A105K	CHIP C	1.0UF	K	
C180			CK73HB1H102K	CHIP C	1000PF	K	
C181			C92-0695-05	CHIP-TAN	10UF	10WV	
C182			CK73HB1H102K	CHIP C	1000PF	K	
C183			C92-0695-05	CHIP-TAN	10UF	10WV	
C185			CC73HCH1H100B	CHIP C	10PF	B	
C186			CK73HB1H471K	CHIP C	470PF	K	
C187			CC73HCH1H220J	CHIP C	22PF	J	
C189			CK73GB1H471K	CHIP C	470PF	K	

Ref. No.	Address	New parts	Parts No.	Description			Destination
C190			CK73HB1H471K	CHIP C	470PF	K	
C191			CK73HB1C103K	CHIP C	0.010UF	K	
C192			CC73HCH1H180J	CHIP C	18PF	J	
C193			CK73HB1H471K	CHIP C	470PF	K	
C196			CK73HB1H471K	CHIP C	470PF	K	
C200			CK73HB1H102K	CHIP C	1000PF	K	
C201			CK73HB1A104K	CHIP C	0.10UF	K	
C202			C92-0695-05	CHIP-TAN	10UF	10WV	
C203			CK73HB1H102K	CHIP C	1000PF	K	
C205			CK73HB1H102K	CHIP C	1000PF	K	
C206,207			CK73FB1A105K	CHIP C	1.0UF	K	
C208,209			CC73HCH1H100D	CHIP C	10PF	D	
C210			CK73FB1C105K	CHIP C	1.0UF	K	
C211			CK73HB1H102K	CHIP C	1000PF	K	
C212			CK73HB1C103K	CHIP C	0.010UF	K	
C213			CK73FB1E104K	CHIP C	0.10UF	K	
C214			CK73HB1C103K	CHIP C	0.010UF	K	
C215			CK73HB1A473K	CHIP C	0.047UF	K	
C219			C92-0695-05	CHIP-TAN	10UF	10WV	
C220			CK73HB1A473K	CHIP C	0.047UF	K	
C222			C92-0587-05	CHIP-TAN	2.2UF	4WV	
C223			CK73HB1A104K	CHIP C	0.10UF	K	
C224			C92-0519-05	CHIP-TAN	1.0UF	25WV	
C225			CK73HB1E472K	CHIP C	4700PF	K	
C227			C92-0519-05	CHIP-TAN	1.0UF	25WV	
C228			CK73HB1A104K	CHIP C	0.10UF	K	
C229			C92-0695-05	CHIP-TAN	10UF	10WV	
C231			CK73HB1A104K	CHIP C	0.10UF	K	
C232			CK73HB1A473K	CHIP C	0.047UF	K	
C233			CK73HB1C223K	CHIP C	0.022UF	K	
C234			C92-0519-05	CHIP-TAN	1.0UF	25WV	
C235			CK73HB1H222K	CHIP C	2200PF	K	
C236			CK73HB1C223K	CHIP C	0.022UF	K	
C237			CK73HB1H561K	CHIP C	560PF	K	
C238			CK73HB1A104K	CHIP C	0.10UF	K	
C240			CK73HB1A104K	CHIP C	0.10UF	K	
C241			CK73HB1H392K	CHIP C	3900PF	K	
C242			CK73HB1A104K	CHIP C	0.10UF	K	
C243			CK73HB1H102K	CHIP C	1000PF	K	
C244			CK73HB1H392K	CHIP C	3900PF	K	
C245			CK73HB1H332K	CHIP C	3300PF	K	
C246			C92-0519-05	CHIP-TAN	1.0UF	25WV	
C247			CK73HB1H222K	CHIP C	2200PF	K	
C248			CK73HB1C103K	CHIP C	0.010UF	K	
C249			CK73HB1C223K	CHIP C	0.022UF	K	
C250			CK73HB1A104K	CHIP C	0.10UF	K	
C253			CK73GB1C104K	CHIP C	0.10UF	K	
C254,255			C92-0695-05	CHIP-TAN	10UF	10WV	
C256			CK73HB1H102K	CHIP C	1000PF	K	
C257			CK73HB1A104K	CHIP C	0.10UF	K	
C258			CK73HB1H102K	CHIP C	1000PF	K	
C259			C92-0695-05	CHIP-TAN	10UF	10WV	
C260			CK73GB1C104K	CHIP C	0.10UF	K	
C262			C92-0665-05	TANTAL	100UF	6.3WV	
C263			CK73HB1H102K	CHIP C	1000PF	K	
C264			C92-0695-05	CHIP-TAN	10UF	10WV	
C265			CK73HB1H102K	CHIP C	1000PF	K	
C266			CK73HB1A104K	CHIP C	0.10UF	K	
C268			CK73HB1A104K	CHIP C	0.10UF	K	
C269			C92-0695-05	CHIP-TAN	10UF	10WV	

30K : TK-3130K
31K : TK-3131K
A : TK-3131A

PARTS LIST

TX-RX UNIT (X57-6460-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
C270			CK73HB1C123K	CHIP C 0.012UF K	
C271			CK73FB1A105K	CHIP C 1.0UF K	
C272,273			CK73HB1H102K	CHIP C 1000PF K	
C274			CK73HB1A104K	CHIP C 0.10UF K	
C275			CC73HCH1H470J	CHIP C 47PF J	
C278			CK73FB1A105K	CHIP C 1.0UF K	
C279			CK73HB1A104K	CHIP C 0.10UF K	
C280			CK73HB1A473K	CHIP C 0.047UF K	
C282			CK73HB1C103K	CHIP C 0.010UF K	
C285			CK73HB1H471K	CHIP C 470PF K	
C287,288			CK73FB1C105K	CHIP C 1.0UF K	
C289			CC73HCH1H030C	CHIP C 3.0PF C	
C290,291			CK73HB1H102K	CHIP C 1000PF K	
C292,293			CC73HCH1H101J	CHIP C 100PF J	
TC1			C05-0383-05	CERAMIC TRIMMER CAP (6P)	
CN1		*	E40-6213-05	PIN ASSY	
CN202		*	E40-6214-05	PIN ASSY SOCKET	
J200	2B		E11-0457-05	PHONE JACK (2.5D/3.5D)	
F200			F53-0217-05	FUSE (3A)	
CF1			L72-0958-05	CERAMIC FILTER (450KHZ)	
L1		*	L40-1001-86	SMALL FIXED INDUCTOR (10U)	
L2			L92-0140-05	FERRITE CHIP	
L8			L40-1085-54	SMALL FIXED INDUCTOR (100NH)	
L9,10		*	L40-1001-86	SMALL FIXED INDUCTOR (10U)	
L11			L92-0140-05	FERRITE CHIP	
L12			L40-1875-92	SMALL FIXED INDUCTOR (18NH)	
L14-16			L40-2275-92	SMALL FIXED INDUCTOR (22NH)	
L19			L40-1075-92	SMALL FIXED INDUCTOR (10NH)	
L20			L92-0149-05	FERRITE CHIP	
L22			L92-0149-05	FERRITE CHIP	
L23			L34-4568-05	AIR-CORE COIL	
L25-27			L34-4563-05	AIR-CORE COIL	
L28			L34-4572-05	AIR-CORE COIL	
L30			L40-4775-92	SMALL FIXED INDUCTOR (47NH)	
L32			L40-2775-92	SMALL FIXED INDUCTOR (27NH)	
L34			L40-3385-85	SMALL FIXED INDUCTOR (0.33U)	
L35			L40-4785-85	SMALL FIXED INDUCTOR (0.47U)	
L36			L34-4554-05	COIL	
L38			L40-5681-86	SMALL FIXED INDUCTOR (0.56U)	
L39			L40-4781-86	SMALL FIXED INDUCTOR (0.47U)	
L40,41			L40-2285-92	SMALL FIXED INDUCTOR (220NH)	
L42		*	L79-1807-05	FILTER (465.0MHZ)	
L43			L40-2275-54	SMALL FIXED INDUCTOR (22NH)	
L44		*	L40-1001-86	SMALL FIXED INDUCTOR (10U)	
L45		*	L40-3967-98	SMALL FIXED INDUCTOR (3.9NH)	
L48			L40-1091-37	SMALL FIXED INDUCTOR (1.000UH)	
L49			L40-4775-92	SMALL FIXED INDUCTOR (47NH)	
L50			L40-5663-92	SMALL FIXED INDUCTOR (5.6NH)	
L51			L40-1875-92	SMALL FIXED INDUCTOR (18NH)	
L55			L40-6865-92	SMALL FIXED INDUCTOR (6.8NH)	
L56			L40-1085-92	SMALL FIXED INDUCTOR (100NH)	
L57			L92-0149-05	FERRITE CHIP	
L58		*	L79-1807-05	FILTER (465.0MHZ)	
L59			L40-2285-54	SMALL FIXED INDUCTOR (220NH)	
L201			L92-0140-05	FERRITE CHIP	
L202,203			L92-0138-05	FERRITE CHIP	
X1			L77-1792-05	TCXO (12.8MHZ)	
X201			L77-1633-05	CRYSTAL RESONATOR (7.3728M)	
XF1			L71-0586-05	MCF (38.85MHZ)	

Ref. No.	Address	New parts	Parts No.	Description	Destination
R1			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R2			RK73HB1J273J	CHIP R 27K J 1/16W	
R3			RK73HB1J100J	CHIP R 10 J 1/16W	
R4			RK73HB1J563J	CHIP R 56K J 1/16W	
R5,6			R92-1368-05	CHIP R 0 OHM	
R7			RK73HB1J101J	CHIP R 100 J 1/16W	
R8			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R9			RK73HB1J101J	CHIP R 100 J 1/16W	
R10,11			RK73HB1J103J	CHIP R 10K J 1/16W	
R12			RK73HB1J470J	CHIP R 47 J 1/16W	
R13			RK73HB1J563J	CHIP R 56K J 1/16W	
R14			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R15			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R16			RK73HB1J100J	CHIP R 10 J 1/16W	
R17			RK73HB1J473J	CHIP R 47K J 1/16W	
R18			RK73HB1J104J	CHIP R 100K J 1/16W	
R20			RK73HB1J103J	CHIP R 10K J 1/16W	
R21			RK73HB1J473J	CHIP R 47K J 1/16W	
R22			RK73HB1J562J	CHIP R 5.6K J 1/16W	
R23			RK73HB1J682J	CHIP R 6.8K J 1/16W	
R24			RK73GB1J221J	CHIP R 220 J 1/16W	
R25			RK73HB1J683J	CHIP R 68K J 1/16W	
R26			RK73HB1J101J	CHIP R 100 J 1/16W	
R27			RK73HB1J183J	CHIP R 18K J 1/16W	
R28			RK73HB1J153J	CHIP R 15K J 1/16W	
R29			R92-1368-05	CHIP R 0 OHM	
R30			RK73HB1J821J	CHIP R 820 J 1/16W	
R31			RK73HB1J221J	CHIP R 220 J 1/16W	
R32			RK73HB1J332J	CHIP R 3.3K J 1/16W	
R33			RK73HB1J103J	CHIP R 10K J 1/16W	
R34			RK73HB1J332J	CHIP R 3.3K J 1/16W	
R35			RK73HB1J470J	CHIP R 47 J 1/16W	
R36			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R39			RK73HB1J392J	CHIP R 3.9K J 1/16W	
R40			RK73HB1J470J	CHIP R 47 J 1/16W	
R42			RK73HB1J821J	CHIP R 820 J 1/16W	
R45			RK73HB1J5R6J	CHIP R 5.6 J 1/16W	
R51			RK73HB1J104J	CHIP R 100K J 1/16W	
R56,57			RK73HB1J221J	CHIP R 220 J 1/16W	
R58			RK73HB1J391J	CHIP R 390 J 1/16W	
R59			RK73HB1J100J	CHIP R 10 J 1/16W	
R60			RK73HB1J101J	CHIP R 100 J 1/16W	
R61			RK73HB1J222J	CHIP R 2.2K J 1/16W	
R62			RK73HB1J123J	CHIP R 12K J 1/16W	
R63			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R64			RK73HB1J123J	CHIP R 12K J 1/16W	
R82,83			RK73HB1J564J	CHIP R 560K J 1/16W	
R84			R92-1368-05	CHIP R 0 OHM	
R86			RK73HB1J184J	CHIP R 180K J 1/16W	
R87			RK73HB1J104J	CHIP R 100K J 1/16W	
R89			RK73HB1J101J	CHIP R 100 J 1/16W	
R91			R92-1368-05	CHIP R 0 OHM	
R92			RK73HB1J100J	CHIP R 10 J 1/16W	
R94			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R95			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R96			RK73HB1J181J	CHIP R 180 J 1/16W	
R98			RK73HB1J470J	CHIP R 47 J 1/16W	
R99,100			RK73HB1J561J	CHIP R 560 J 1/16W	
R103			RK73HB1J334J	CHIP R 330K J 1/16W	
R104			RK73HB1J101J	CHIP R 100 J 1/16W	

30K : TK-3130K
31K : TK-3131K
A : TK-3131A

PARTS LIST

TX-RX UNIT (X57-6460-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
R105			RK73HB1J153J	CHIP R 15K J 1/16W	
R107			RK73HB1J332J	CHIP R 3.3K J 1/16W	
R108			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R109			RK73HB1J681J	CHIP R 680 J 1/16W	
R110			RK73HB1J122J	CHIP R 1.2K J 1/16W	
R111			RK73HB1J334J	CHIP R 330K J 1/16W	
R113			RK73HB1J274J	CHIP R 270K J 1/16W	
R114			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R115			RK73HB1J151J	CHIP R 150 J 1/16W	
R117			RK73HB1J100J	CHIP R 10 J 1/16W	
R118			RK73HB1J222J	CHIP R 2.2K J 1/16W	
R119			RK73HB1J334J	CHIP R 330K J 1/16W	
R120			RK73HB1J101J	CHIP R 100 J 1/16W	
R126			RK73HB1J470J	CHIP R 47 J 1/16W	
R129			RK73HB1J393J	CHIP R 39K J 1/16W	
R135			RK73HB1J104J	CHIP R 100K J 1/16W	
R138-140			RK73HB1J101J	CHIP R 100 J 1/16W	
R141			RK73HB1J154J	CHIP R 150K J 1/16W	
R142			R92-1368-05	CHIP R 0 OHM	
R143			RK73GB1J220J	CHIP R 22 J 1/16W	
R144			RK73GB1J221J	CHIP R 220 J 1/16W	
R146			RK73HB1J473J	CHIP R 47K J 1/16W	
R147			R92-1368-05	CHIP R 0 OHM	
R148			RK73GB1J683J	CHIP R 68K J 1/16W	
R149			RK73GB1J473J	CHIP R 47K J 1/16W	
R200-202			RK73GB1J181J	CHIP R 180 J 1/16W	
R203,204			RK73HB1J473J	CHIP R 47K J 1/16W	
R206-208			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R211			RK73HB1J473J	CHIP R 47K J 1/16W	
R212			RK73HB1J104J	CHIP R 100K J 1/16W	
R213			RK73HB1J473J	CHIP R 47K J 1/16W	
R214,215			RK73HB1J104J	CHIP R 100K J 1/16W	
R216			RK73HB1J473J	CHIP R 47K J 1/16W	
R217,218			RK73HB1J104J	CHIP R 100K J 1/16W	
R219			RK73HB1J154J	CHIP R 150K J 1/16W	
R220			RK73HB1J474J	CHIP R 470K J 1/16W	
R221,222			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R229			RK73HB1J153J	CHIP R 15K J 1/16W	
R230			RK73HB1J124J	CHIP R 120K J 1/16W	
R231			RK73HH1J105D	CHIP R 1.0M D 1/16W	
R232,233			RK73HB1J103J	CHIP R 10K J 1/16W	
R234			RK73HB1J124J	CHIP R 120K J 1/16W	
R235			RK73HB1J104J	CHIP R 100K J 1/16W	
R237			RK73HB1J223J	CHIP R 22K J 1/16W	
R238			RK73HB1J562J	CHIP R 5.6K J 1/16W	
R239			RK73HB1J103J	CHIP R 10K J 1/16W	
R240			RK73HB1J473J	CHIP R 47K J 1/16W	
R241			RK73HB1J474J	CHIP R 470K J 1/16W	
R242			R92-1252-05	CHIP R 0 OHM J 1/16W	30K,31K
R243,244			RK73HB1J473J	CHIP R 47K J 1/16W	
R245			RK73HB1J103J	CHIP R 10K J 1/16W	
R246			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R247			RK73HB1J473J	CHIP R 47K J 1/16W	
R248			RK73HB1J563J	CHIP R 56K J 1/16W	
R251			RK73HB1J274J	CHIP R 270K J 1/16W	
R252			RK73HB1J223J	CHIP R 22K J 1/16W	
R253			RK73HB1J103J	CHIP R 10K J 1/16W	
R254			RK73HB1J334J	CHIP R 330K J 1/16W	
R255			RK73HB1J333J	CHIP R 33K J 1/16W	
R256			RK73HB1J394J	CHIP R 390K J 1/16W	

Ref. No.	Address	New parts	Parts No.	Description	Destination
R257			R92-1368-05	CHIP R 0 OHM	
R259			RK73HB1J104J	CHIP R 100K J 1/16W	
R260,261			R92-1368-05	CHIP R 0 OHM	
R262			RK73HB1J153J	CHIP R 15K J 1/16W	
R263			RK73HB1J392J	CHIP R 3.9K J 1/16W	
R264,265			RK73HB1J104J	CHIP R 100K J 1/16W	
R266			RK73HB1J562J	CHIP R 5.6K J 1/16W	
R267			RK73HB1J563J	CHIP R 56K J 1/16W	
R268			R92-1368-05	CHIP R 0 OHM	
R269			RK73HB1J224J	CHIP R 220K J 1/16W	
R270			RK73HB1J473J	CHIP R 47K J 1/16W	
R271			RK73HB1J393J	CHIP R 39K J 1/16W	
R272			RK73HB1J473J	CHIP R 47K J 1/16W	
R273			RK73HB1J124J	CHIP R 120K J 1/16W	
R274			RK73HB1J103J	CHIP R 10K J 1/16W	
R277			RK73HB1J824J	CHIP R 820K J 1/16W	
R280			R92-1368-05	CHIP R 0 OHM	
R281			RK73HB1J104J	CHIP R 100K J 1/16W	
R282			RK73HB1J473J	CHIP R 47K J 1/16W	
R283			RK73HB1J333J	CHIP R 33K J 1/16W	
R284			RK73HB1J274J	CHIP R 270K J 1/16W	
R285			R92-1368-05	CHIP R 0 OHM	
R287,288			RK73HB1J104J	CHIP R 100K J 1/16W	
R289			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R290			RK73GB1J821J	CHIP R 820 J 1/16W	
R291			RK73HB1J104J	CHIP R 100K J 1/16W	
R292			RK73HB1J103J	CHIP R 10K J 1/16W	
R293			RK73HB1J182J	CHIP R 1.8K J 1/16W	
R294			RK73HB1J471J	CHIP R 470 J 1/16W	
R295			RK73HB1J331J	CHIP R 330 J 1/16W	
R296			RK73HB1J103J	CHIP R 10K J 1/16W	
R298			RK73HB1J101J	CHIP R 100 J 1/16W	
R299			RK73HB1J151J	CHIP R 150 J 1/16W	
R300,301			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R308			RK73HB1J101J	CHIP R 100 J 1/16W	
R309			RK73HB1J331J	CHIP R 330 J 1/16W	
R311,312			RK73GB1J680J	CHIP R 68 J 1/16W	
R316			RK73HB1J564J	CHIP R 560K J 1/16W	
R317			R92-1368-05	CHIP R 0 OHM	
R322			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R324-329			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R330			RK73HB1J104J	CHIP R 100K J 1/16W	
R334			RK73HB1J562J	CHIP R 5.6K J 1/16W	
R336			RK73HB1J102J	CHIP R 1.0K J 1/16W	
R337			RK73HB1J124J	CHIP R 120K J 1/16W	
R338,339			RK73HB1J101J	CHIP R 100 J 1/16W	
R340			RK73GB1J152J	CHIP R 1.5K J 1/16W	
VR1			R12-7491-05	TRIMMING POT. (68K)	
VR2			R12-7488-05	TRIMMING POT. (22K)	
VR200			R12-7494-05	TRIMMING POT. (220K)	
VR201			R12-7490-05	TRIMMING POT. (47K)	
VR202	2B	*	R31-0640-05	VARIABLE RESISTOR	
S200			S70-0434-05	TACT SWITCH	
MIC200	1A	*	T91-0631-05	MIC ELEMENT	
D1			MA2S111	DIODE	
D3			MA2S111	DIODE	
D4			MA360	VARIABLE CAPACITANCE DIODE	
D8			MA360	VARIABLE CAPACITANCE DIODE	

30K : TK-3130K
31K : TK-3131K
A : TK-3131A

PARTS LIST

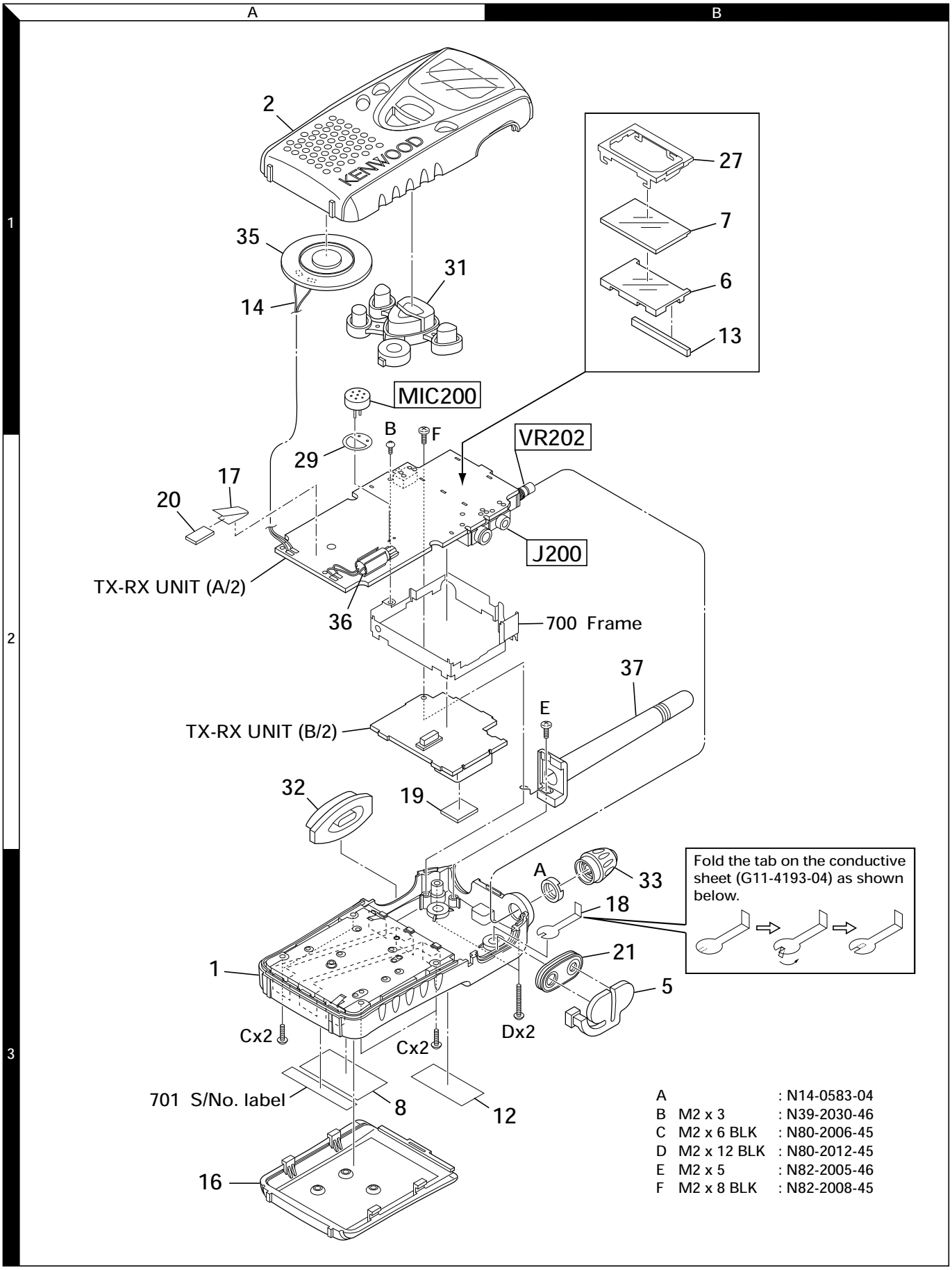
TX-RX UNIT (X57-6460-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination
D9,10			HSC277	DIODE	
D12			HVC131	DIODE	
D13			HSC277	DIODE	
D16			MA742	DIODE	
D17			HSC277	DIODE	
D202			MA742	DIODE	
D204			DAN222	DIODE	
D205			1SS372	DIODE	
D208		*	KDZ3.3V	ZENER DIODE	
D209			1SR154-400	DIODE	
D210			KDZ4.7EV	ZENER DIODE	
IC1			TB31202FN	IC (PHASE LOCKED LOOP SYSTEM)	
IC2			TA31136FN	IC (IF SYSTEM)	
IC200		*	XC61CN2902N	IC (VOLTAGE DETECT)	
IC201		*	XC61CN2702N	IC (RESET SWITCH)	
IC203			24LC08BT-ISN	IC (EEPROM)	
IC204		*	MN101C54AKA	IC (CPU)	
IC205		*	AK2368	IC (BASE BAND)	
IC206			NJM2100V	IC (ACTIVE FILTER)	
IC207			NJM2100V	IC (MIC AMPLIFIER/LIMITER)	
IC208		*	LM4865M	IC (AUDIO POWER AMP)	
IC209		*	TK71530ASCL	IC (VOLTAGE REGULATOR)	
IC213		*	TK71530ASCL	IC (VOLTAGE REGULATOR)	
IC214			TC7W74FU	IC (DIVIDER)	
Q1			2SC5108(Y)	TRANSISTOR	
Q2			DTC114EE	DIGITAL TRANSISTOR	
Q3			2SC4617(S)	TRANSISTOR	
Q4			2SC5066(O)	TRANSISTOR	
Q5-7			2SC5108(Y)	TRANSISTOR	
Q8			2SC4226(R24)	TRANSISTOR	
Q9		*	2SK3078	FET	
Q10		*	NE5510279A	FET	
Q11			DTC114TE	DIGITAL TRANSISTOR	
Q13			2SK1824	FET	
Q14			DTC114TE	DIGITAL TRANSISTOR	
Q18			3SK274	FET	
Q19			3SK320	FET	
Q20			KTC4082	TRANSISTOR	
Q21			2SC4738(GR)	TRANSISTOR	
Q22			KTC4082	TRANSISTOR	
Q200-202			DTC114EE	DIGITAL TRANSISTOR	
Q210			2SC4919	TRANSISTOR	
Q212			DTC144EE	DIGITAL TRANSISTOR	
Q213			2SK1824	FET	
Q214			KTA1298(Y)	TRANSISTOR	
Q216		*	3LN02C	FET	
Q217			2SK1824	FET	
Q218-220			DTA123JE	DIGITAL TRANSISTOR	
Q221			2SK1824	FET	
TH1			157-503-65001	THERMISTOR	

Ref. No.	Address	New parts	Parts No.	Description	Destination

30K : TK-3130K
31K : TK-3131K
A : TK-3131A

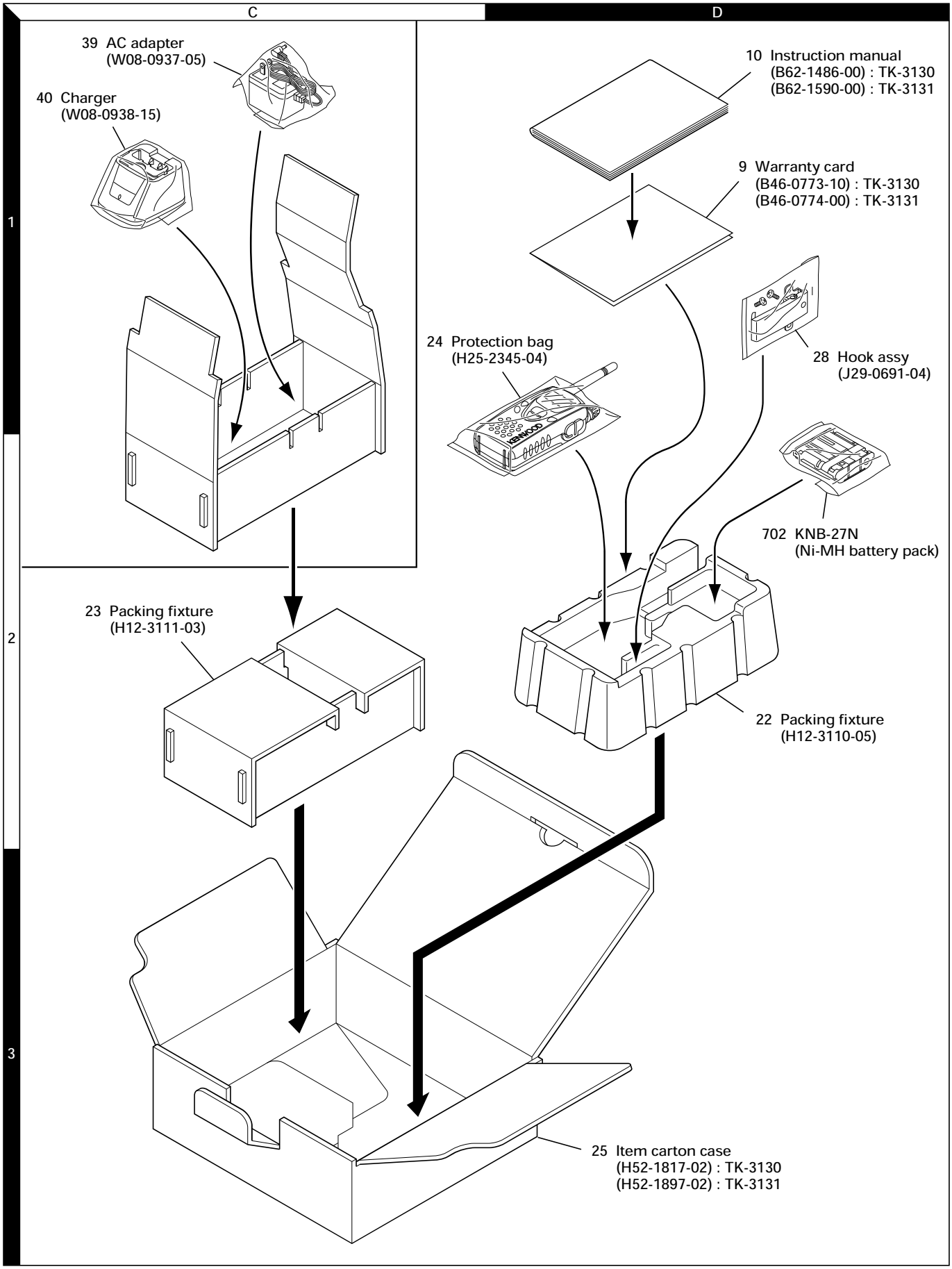
EXPLODED VIEW



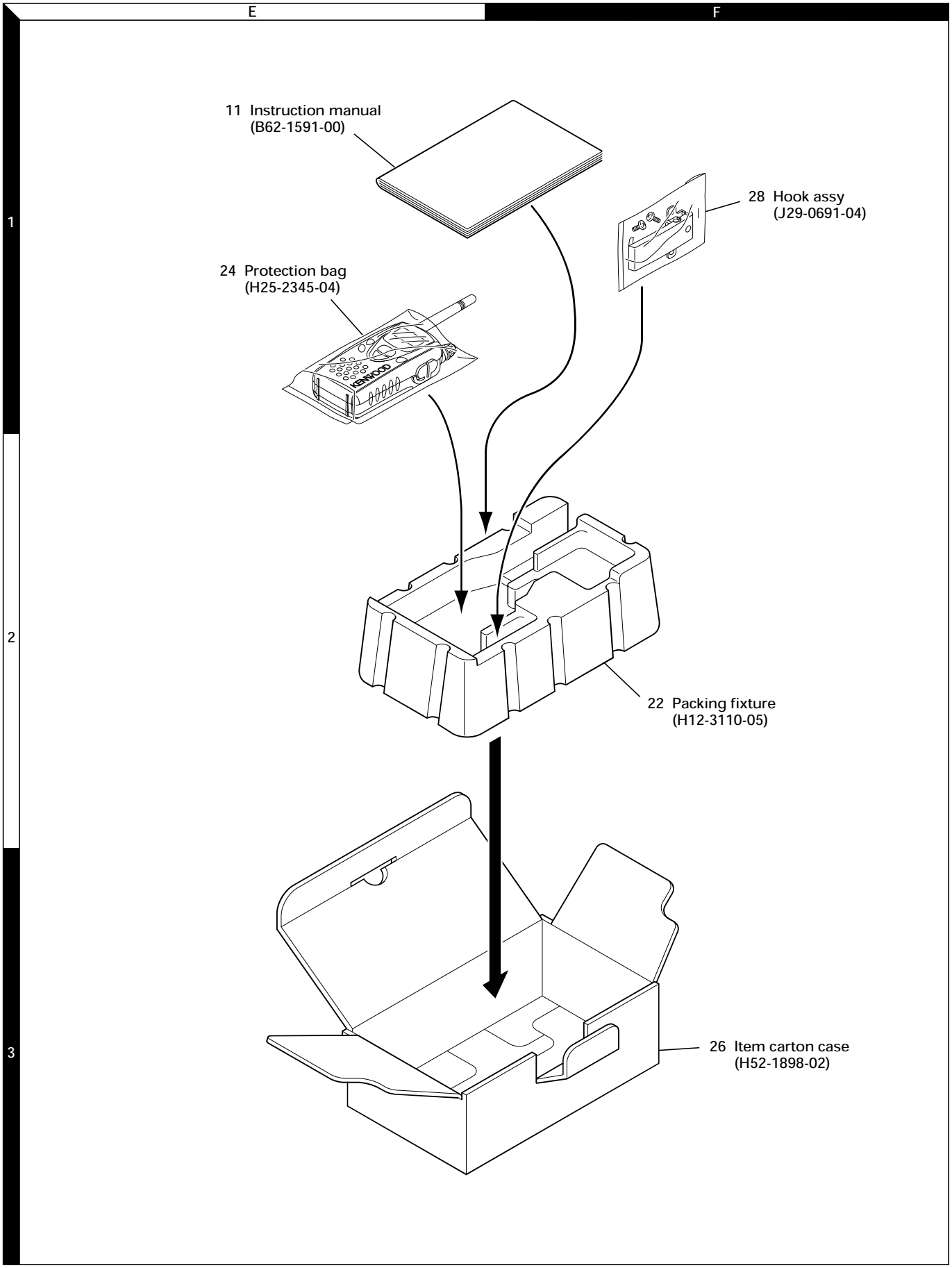
A		: N14-0583-04
B	M2 x 3	: N39-2030-46
C	M2 x 6 BLK	: N80-2006-45
D	M2 x 12 BLK	: N80-2012-45
E	M2 x 5	: N82-2005-46
F	M2 x 8 BLK	: N82-2008-45

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

PACKING (TK-3130/3131 K)



PACKING (TK-3131 A)

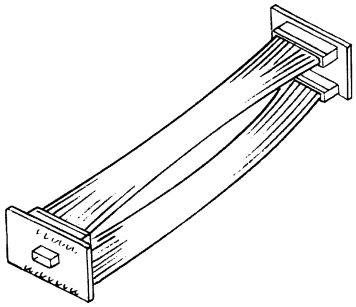


ADJUSTMENT

Jigs

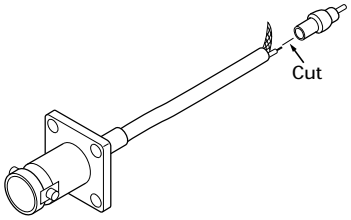
Use jigs for repair or adjustment.

■ **Extension cable (E30-3480-08)**



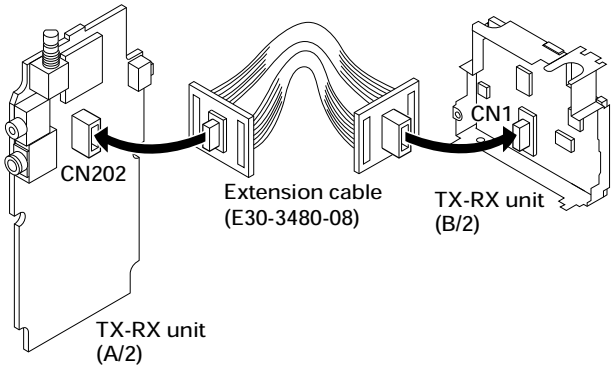
■ **ANT cable (E30-3418-05)**

Modify the cable as shown below.

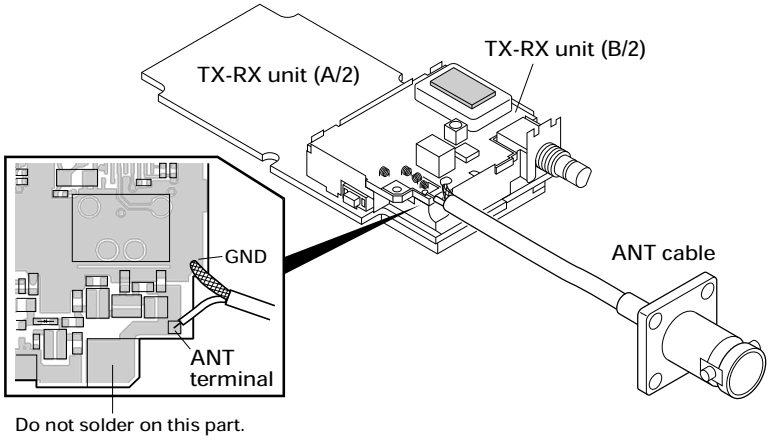


Connecting Jigs

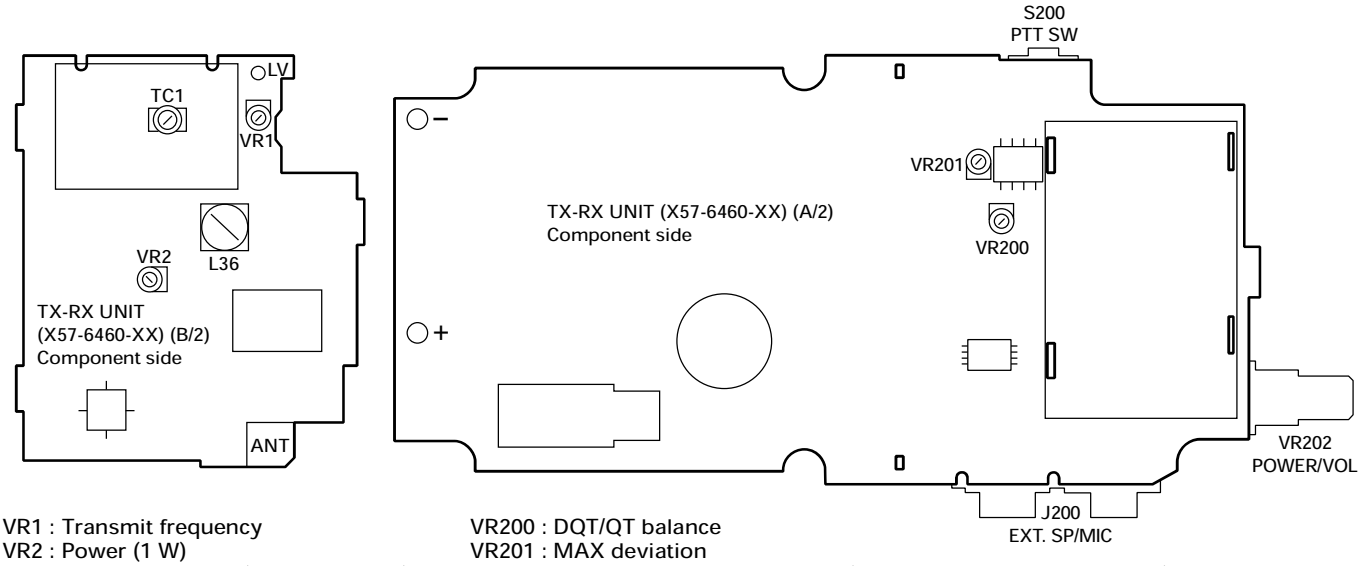
Connect the extension cable as shown in the illustration below.



Solder the ANT cable to the ANT terminal on the TX-RX unit (B/2).



Adjustment Points



VR1 : Transmit frequency
VR2 : Power (1 W)
TC1 : VCO lock voltage (TX 2.5V or less)
L36 : AF level (Adjust to the MAX)
LV : VCO lock voltage terminal

VR200 : DQT/QT balance
VR201 : MAX deviation
+,– : External power supply terminal (Fasten it with an alligator clip.)