

144MHz FM TRANSCEIVER

TM-251A/E

SERVICE MANUAL

REVISED 1

KENWOOD

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B51-8267-10(N)1344



Photo is TM-251A.

The TM-251A/E Service Manual (B51-8267-00) parts list has been revised due to changes in some part numbers.

Please insert the new parts list into the Service Manual.

Contents of Revisions

- **The new part numbers for the Control Unit by market version are as follows :**

- K,P type : W02-1841-08
 - M type : W02-1842-08
 - M2 type : W02-1843-08
 - M3 type : W02-1844-08
 - E,E3,E9 type : W02-1845-08
 - E2 type : W02-1846-08

- **Parts list**

- All pages are reprinted fully for your convenience.

PARTS LIST

× New Parts

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.

TM-251A/E

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation	Re- marks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
TM-251A/E						
1	1C	*	A01-2090-08	METALLIC CABINET(TOP)	KPM2	
2	2B	*	A01-2091-08	METALLIC CABINET(BOTTOM)		
3	1C	*	A10-1343-08	CHASSIS		
4	2B	*	A22-0788-08	SUB PANEL		
5	2A	*	A62-0315-08	PANEL		
5	2A	*	A62-0315-08	PANEL	M3	EE2E3 E9
5	2A	*	A62-0316-08	PANEL		
5	2A	*	A62-0316-08	PANEL		
7	2A	*	B10-1217-08	FRONT GLASS	K	
8	2B	*	B38-0721-08	LCD ASSY		
9	1B, 1C	*	B42-5539-08	LABEL (M4X8MAX)		
10	1C	*	B42-5540-08	S/NOLABEL (NAME PLATE)		
11	1B	*	B42-5551-08	SPECIFICATION PLATE		
12	1D		B46-0310-03	WARRANTY CARD	EE2E3	EE2E3 E9 K P K
12	1D		B46-0310-03	WARRANTY CARD		
12	1D		B46-0410-30	WARRANTY CARD		
12	1D		B46-0422-00	WARRANTY CARD		
13	1D	*	B62-0455-08	INSTRUCTION MANUAL		
13	1D	*	B62-0456-08	INSTRUCTION MANUAL	PMM2M3	E3E9 EE2 PMM2M3 E3E9
13	1D	*	B62-0456-08	INSTRUCTION MANUAL		
13	1D	*	B62-0457-08	INSTRUCTION MANUAL		
13	1D	*	B62-0458-08	INSTRUCTION MANUAL		
13	1D	*	B62-0458-08	INSTRUCTION MANUAL		
14	2C	*	B72-0651-04	MODEL NAME PLATE	E9	KP MM2M3 EE2E3 E9
15	1C	*	B72-0676-08	MODEL NAME PLATE		
15	1C	*	B72-0677-08	MODEL NAME PLATE		
15	1C	*	B72-0678-08	MODEL NAME PLATE		
15	1C	*	B72-0678-08	MODEL NAME PLATE		
16	3E	*	B82-0009-08	POS LABEL	KP	MM2M3E E2E3E9
16	3E	*	B82-0011-08	POS LABEL		
16	3E	*	B82-0011-08	POS LABEL		
18	1C		E30-2137-15	DC CABLE		
19	2D		E30-2111-05	DC CABLE ASSY		
20	1C	*	E30-3209-08	ANT CABLE		
21	2B	*	E58-0427-08	MIC MODULER CONNECTOR		
22	2A	*	F15-0687-08	SHIELD PLATE		
23	1C, 2E		F51-0017-05	FUSE (15A) DC CABLE, SPARE		
25	1B	*	G02-0757-08	FLAT SPRING		
26	2C	*	G02-0761-08	GND SPRING		
27	2A	*	G09-0433-08	SPRING (KNOB)		
28	1B	*	G10-0748-08	NON-WOVEN FABRIC(SP)		
29	1B, 2B	*	G10-0757-08	NON-WOVEN FABRIC(CASE)		
30	1B	*	G10-0758-08	NON-WOVEN FABRIC		
31	1B, 2C	*	G13-1441-08	CUSHION		
32	1B	*	G13-1443-08	CUSHION (CABINETTOP)		
33	2A	*	G13-1447-08	CUSHION (4KEY)		
34	2B	*	G13-1448-08	CUSHION (LOWKEY)		
35	2A	*	G13-1449-08	CUSHION		
36	2B	*	G13-1456-08	CUSHIN		
37	1B	*	G13-1457-08	CUSHIN		
39	2E	*	H12-1464-08	PACKIN FIXTURE		

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TM-251A/E

TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
40	2A	*	H12-0747-08	PROTECTION FILM		
41	1E	*	H13-0930-08	PROTECTION BOARD		
42	2D	*	H13-0931-08	PROTECTION BOARD		
43	1E	*	H25-0792-08	PROTECTION BAG(RADIO)		
44	2D	*	H25-0793-08	PROTECTION BAG(DC CABLE)		
45	3E	*	H52-0580-08	ITEM CARTON BOX	KPMM2	
45	3E	*	H52-0580-08	ITEM CARTON BOX	M3	
45	3E	*	H52-0581-08	ITEM CARTON BOX	EE2E3	
45	3E	*	H52-0581-08	ITEM CARTON BOX	E9	
47	1C	*	J19-1555-08	HOLDER		
48	2B	*	J19-1563-08	HOLDER		
49	2D	*	J29-0614-08	BRACKET		
50	2D	*	J29-0617-08	HOOK(MICROPHONE)	KP	
51	1B	*	J90-0409-08	VFO GUIDE		
53	2A	*	K27-3148-08	KNOB (REV)		
54	2A	*	K27-3149-08	KNOB (TONE/CTCSS)		
55	2A	*	K27-3150-08	KNOB (DTSS)		
56	2B	*	K27-3151-08	KNOB (POWER)		
57	2B	*	K27-3152-08	KNOB (LOW/LOCK)		
58	2A	*	K27-3153-08	KNOB (VFO)		
59	2A	*	K27-3154-08	KNOB (MR)		
60	2A	*	K27-3155-08	KNOB (MAIN)		
61	2A	*	K27-3156-08	KNOB (VOL SQL)		
62	2B	*	K27-3158-08	KNOB (FUNC)		
63	2A	*	K27-3159-08	KNOB (SHIFT)		
A	2B, 2C	*	N09-2234-08	SCREW		
B	1B, 2B	*	N33-2606-46	ØVALHEADMACHINESCREW(CASE)		
C	1C, 2B	*	N52-2606-46	TAPTITE SCREW(ANT DCCABLE)		
D	2B, 2C	*	N53-2606-46	FLAT HEAD TAPTITESCREW		
65	2D	*	N99-0384-08	SCREW SET		
67	1B	*	T07-0246-08	LOUD SPEAKER	MM2EE2	
68	2E	*	T91-0516-05	MICROPHONE	E3E9	
68	2E	*	T91-0516-05	MICROPHONE	KPM3	
68	2E	*	T91-0517-05	MICROPHONE		
IC101		*	S-AV24-01K	IC (POWER MODULE 50W)		
70	2D	*	W01-0426-08	WRENCH		
71	2C	*	W02-1810-08	TX-RX UNIT		
72	1B	*	W02-1841-08	CONTROL UNIT	KP	
72	1B	*	W02-1842-08	CONTROL UNIT	M	
72	1B	*	W02-1843-08	CONTROL UNIT	M2	
72	1B	*	W02-1844-08	CONTROL UNIT	M3	
72	1B	*	W02-1845-08	CONTROL UNIT	EE3E9	
72	1B	*	W02-1846-08	CONTROL UNIT	E2	
TX-RX UNIT (W02-1810-08)						
C1		*	CC73GCG1H150J	CHIP C 15PF J		
C2		*	CC73GCG1H390J	CHIP C 39PF J		
C3		*	CK73GB1E103K	CHIP C 0.010UF K		
C4		*	C92-0610-08	ELECTRO 47UF 16V		
C5		*	CK73GB1E103K	CHIP C 0.010UF K		
C6		*	C93-0585-08	CERAMIC 1UF 16V		
C7		*	C92-0502-05	ELECTRO 0.33UF 35V		
C8		*	CK73GF1C104Z	CHIP C 0.1UF Z		
C10		*	C92-0516-05	CHIP TAN 4.7UF 10V		

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C11			CK73GF1C104Z	CHIP C 0.1UF Z		
C12		*	C93-0585-08	CERAMIC 1UF 16V		
C13			C92-0610-08	ELECTR0 47UF 16V		
C14 ,15			CK73FB1E473Z	CHIP C 0.047UF Z		
C16 ,17		*	C92-0616-08	ELECTR0 220UF 10V		
C18			CK73FB1E104K	CHIP C 0.1UF K		
C19 ,20			CK73GF1C104Z	CHIP C 0.1UF Z		
C21			C92-0609-08	ELECTR0 10UF 16V		
C22			C92-0004-05	ELECTR0 1.0UF 16V		
C23			CK73GF1E333Z	CHIP C 0.033UF Z		
C24			CK73GF1E223Z	CHIP C 0.022UF Z		
C25			CK73GB1E103K	CHIP C 0.010UF K		
C26			CK73GF1C104Z	CHIP C 0.1UF Z		
C27		*	CC73GCG1H101J	CHIP C 100PF J		
C28			CK73GB1E103K	CHIP C 0.010UF K		
C29		*	CC73GCG1H101J	CHIP C 100PF J		
C30			CK73GB1E103K	CHIP C 0.010UF K		
C31			CC73GCH1H030C	CHIP C 3PF C		
C32			CK73GB1E103K	CHIP C 0.010UF K		
C33		*	CC73GCG1H101J	CHIP C 100PF J		
C34			C92-0516-05	CHIP TAN 4.7UF 10V		
C36			C92-0516-05	CHIP TAN 4.7UF 10V		
C101		*	C93-0587-08	CERAMIC 15PF 500V		
C102		*	C91-0577-08	CERAMIC 4PF 500V		
C103		*	C93-0583-08	CERAMIC 18PF 500V		
C104		*	C93-0580-08	CERAMIC 8PF 500V		
C105		*	C91-1150-08	CERAMIC 22PF 500V		
C106		*	C93-0582-08	CERAMIC 10PF 500V		
C107		*	C93-0583-08	CERAMIC 18PF 500V		
C108		*	CC73GCG1H330J	CHIP C 33PF J		
C109		*	C91-1154-08	CERAMIC 220PF 500V		
C110		*	C93-0582-08	CERAMIC 10PF 500V		
C111			CK73GB1E102K	CHIP C 1000PF K		
C112		*	CC73GCG1H150J	CHIP C 15PF J		
C113			CC73GCH1H0R5C	CHIP C 0.5PF C		
C114		*	C93-0583-08	CERAMIC 18PF 500V		
C115		*	C93-0586-08	CERAMIC 6PF 500V		
C116		*	C93-0589-08	CERAMIC 27PF 500V		
C117			CC73GCH1H0R5C	CHIP C 0.5PF C		
C120,121			CK73GB1H102K	CHIP C 1000PF K		
C123			CK73GB1E102K	CHIP C 1000PF K		
C124			C92-0612-08	ELECTR0 33UF 25V		
C125			CK73GB1H102K	CHIP C 1000PF K		
C126			C92-0612-08	ELECTR0 33UF 25V		
C127			C92-0611-08	ELECTR0 10UF 25V		
C128			C92-0609-08	ELECTR0 10UF 16V		
C129,130			CK73GB1H102K	CHIP C 1000PF K		
C131			CK73GB1E103K	CHIP C 0.010UF K		
C132			CK73GB1H102K	CHIP C 1000PF K		
C133		*	C90-4031-08	ELECTR0 1500UF 16V		
C134			CK73GB1E103K	CHIP C 0.010UF K		
C135,136			CK73GB1H102K	CHIP C 1000PF K		
C137			C92-0610-08	ELECTR0 47UF 16V		
C138			CK73GB1H102K	CHIP C 1000PF K		
C139			C92-0609-08	ELECTR0 10UF 16V		

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TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C140-142			CK73GB1H102K	CHIP C 1000PF K		
C143			CK73GB1E103K	CHIP C 0.01UF K		
C144, 145		*	CC73GCG1H101J	CHIP C 100PF J		
C146, 147		*	CC73GCG1H220J	CHIP C 22PF J		
C148-152		*	CC73GCG1H101J	CHIP C 100PF J		
C201			CK73GB1H102K	CHIP C 1000PF K		
C202		*	CC73GCG1H220J	CHIP C 22PF J		
C203, 204			CK73GB1H102K	CHIP C 1000PF K		
C205			CK73GB1E103K	CHIP C 0.010UF K		
C206			C92-0610-08	ELECTRO 47UF 16V		
C207			CK73GB1H102K	CHIP C 1000PF K		
C208			CK73GB1E103K	CHIP C 0.01UF K		
C209			CK73GF1C104Z	CHIP C 0.1UF Z		
C210			CK73GB1H102K	CHIP C 1000PF K		
C211		*	CC73GCG1H101J	CHIP C 100PF J		
C212			CK73GB1H102K	CHIP C 1000PF K		
C213		*	CC73GCG1H101J	CHIP C 100PF J		
C214			C92-0516-05	CHIP TAN 4.7UF 10V		
C215			CC73GCH1H020C	CHIP C 2PF		
C216		*	CC73GCG1H150J	CHIP C 15PF J		
C217			CC73GCH1H270J	CHIP C 27PF J		
C218, 219			CK73GF1C104Z	CHIP C 0.1UF Z		
C220			CK73GB1E103K	CHIP C 0.010UF K		
C221			C92-0610-08	ELECTRO 47UF 16V		
C222			CK73GB1E103K	CHIP C 0.010UF K		
C223			CK73GF1C104Z	CHIP C 0.1UF Z		
C224			CK73GB1E103K	CHIP C 0.010UF K		
C225, 226		*	CC73GCG1H101J	CHIP C 100PF J		
C227			CK73GB1H102K	CHIP C 1000PF K		
C228		*	CC73GCG1H101J	CHIP C 100PF J		
C229			CK73GB1E103K	CHIP C 0.010UF K		
C230			CK73GF1C104Z	CHIP C 0.1UF Z		
C231			CK73GB1E103K	CHIP C 0.010UF K		
C232		*	C93-0584-08	CERAMIC 0.1UF 16V		
C234		*	C93-0585-08	CERAMIC 1UF 16V		
C235			C92-0516-05	CHIP TAN 4.7UF 10V		
C236		*	CC73GCG1H101J	CHIP C 100PF J		
C237, 238			CK73GB1H102K	CHIP C 1000PF K		
C239, 240			CC73GCH1H040C	CHIP C 4.0PF		
C241			CC73GCH1H020C	CHIP C 2.0PF		
C242			CC73GCH1H080D	CHIP C 8.0PF		
C243, 244		*	CC73GCG1H101J	CHIP C 100PF J		
C245			CC73GCH1H030C	CHIP C 3PF C		
C246-261		*	CC73GCG1H101J	CHIP C 100PF J		
C262		*	C93-0585-08	CERAMIC 1.0UF 16V		
C263			CK73EB1E104K	CHIP C 0.1UF K		
C264			C92-0516-05	CHIP TAN 4.7UF 10V		
C265-273		*	CC73GCG1H101J	CHIP C 100PF J		
C274			CC73GCH1H040C	CHIP C 4.0PF		
C275-292		*	CC73GCG1H101J	CHIP C 100PF J		
C293, 294		*	CC73GCG1H150J	CHIP C 15PF J		
C295-297		*	CC73GCG1H101J	CHIP C 100PF J		
C298		*	CC73GCG1H120J	CHIP C 12PF J		
C301		*	CC73GCG1H270J	CHIP C 27PF J		
C302, 303			CK73GB1H102K	CHIP C 1000PF K		

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C304			CC73GCH1H080D	CHIP C 8.0PF		
C305			CK73GB1H102K	CHIP C 1000PF K		
C306		*	CC73GCG1H121J	CHIP C 120PF J		
C308		*	CC73GCG1H151J	CHIP C 150PF J		
C309			CC73GCH1H080D	CHIP C 8.0PF		
C310			CK73GB1H102K	CHIP C 1000PF K		
C312			CK73GB1H102K	CHIP C 1000PF K		
C313			CC73GCH1H080D	CHIP C 8.0PF		
C314			CK73GB1H102K	CHIP C 1000PF K		
C315		*	CC73GCG1H121J	CHIP C 120PF J		
C317		*	CC73GCG1H151J	CHIP C 150PF J		
C318			CK73GB1H102K	CHIP C 1000PF K		
C319			CC73GCH1H090D	CHIP C 9.0PF		
C320			CK73GB1H102K	CHIP C 1000PF K		
C321			CK73GF1C104Z	CHIP C 0.1UF Z		
C322			CK73GB1H331K	CHIP C 330PF K		
C323			CK73GB1H102K	CHIP C 1000PF K		
C324		*	CC73GCG1H180J	CHIP C 18PF J		
C325			CK73GB1H102K	CHIP C 1000PF K		
C326		*	CC73GCG1H180J	CHIP C 18PF J		
C328			CK73GB1H102K	CHIP C 1000PF K		
C329		*	CC73GCG1H470J	CHIP C 47PF J		
C330		*	CC73GCG1H270J	CHIP C 27PF J		
C331			CC73GCH1H080D	CHIP C 8.0PF		
C332		*	CC73GCG1H150J	CHIP C 15PF J		
C333			CK73GB1H102K	CHIP C 1000PF K		
C334		*	CC73GCG1H101J	CHIP C 100PF J		
C335-337			CK73GB1H102K	CHIP C 1000PF K		
C338		*	CC73GCG1H120J	CHIP C 12PF J		
C339			CC73GCH1H060D	CHIP C 6.0PF		
C340			CK73GB1H102K	CHIP C 1000PF K		
C341			CC73GCH1H040C	CHIP C 4.0PF		
C342			CC73GCH1H060D	CHIP C 6PF D		
C343			CC73GCH1H080D	CHIP C 8.0PF		
C344		*	CC73GCG1H220J	CHIP C 22PF J		
C345			CK73GB1H102K	CHIP C 1000PF K		
C346			CC73GCH1H020C	CHIP C 2.0PF		
C348			CK73GB1H102K	CHIP C 1000PF K		
C349			CC73GCH1H080D	CHIP C 8.0PF		
C350			CC73GCH1H040C	CHIP C 4.0PF		
C351		*	CC73GCG1H101J	CHIP C 100PF J		
C352			CK73GB1H102K	CHIP C 1000PF K		
C354			CK73GB1H102K	CHIP C 1000PF K		
C355			CC73GCH1H030C	CHIP C 3.0PF		
C356			CC73GCH1H080D	CHIP C 8.0PF		
C357, 358			CK73GB1H102K	CHIP C 1000PF K		
C359			CC73GCH1H020C	CHIP C 2.0PF		
C361			CK73GB1H102K	CHIP C 1000PF K		
C362			CC73GCH1H080D	CHIP C 8.0PF		
C363			CC73GCH1H040C	CHIP C 4.0PF		
C364			CK73GB1H102K	CHIP C 1000PF K		
C365			CC73GCH1H030C	CHIP C 3PF C		
C366		*	CC73GCG1H181J	CHIP C 180PF J		
C367			CC73GCH1H040C	CHIP C 4.0PF		
C368			CK73GB1H102K	CHIP C 1000PF K		

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TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C369 C370 C371, 372 C376-378 C379		*	CC73GCG1H101J CK73GB1H102K CC73GCH1H090D CK73GB1E103K CK73GB1H102K	CHIP C 100PF J CHIP C 1000PF K CHIP C 9.0PF CHIP C 0.010UF K CHIP C 1000PF K		
C380 C381 C382 C383 C384		*	CC73GCG1H150J CK73GF1C104Z CK73GB1H102K CC73GCH1H080D CK73GF1C104Z	CHIP C 15PF J CHIP C 0.1UF Z CHIP C 1000PF K CHIP C 8.0PF CHIP C 0.1UF Z		
C385 C386 C388, 389 C391 C392		*	CK73GB1E103K CC73GCH1H030C CK73GB1E103K CK73GB1E103K CC73GCG1H101J	CHIP C 0.010UF K CHIP C 3.0PF CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 100PF J		
TC201 TC301-304 TC305-308			C05-0371-05 C05-0370-05 C05-0371-05	TRIM CAP 10PF TRIM CAP 20PF TRIM CAP 10PF		
CN1 CN2 CN201, 202 J1		*	B40-3237-05 B56-0406-08 B40-5723-08 B12-0403-08	CONNECTOR (2P) DIN CONNECTOR CONNECTOR (20P) EXT SPJACK (3.5D)		
CD1 CF1 L1 L2 L3			L79-1013-05 L72-0366-05 L40-5671-34 L40-1005-34 L40-1295-34	DISCRETE (455KHZ) CERAMIC FILTER(455KHZ) CHIP COIL 0.56UH CHIP COIL 10UH CHIP COIL 0.12UH		
L101 L102 L103 L104 L105		*	L34-4385-08 L34-4383-08 L34-4382-08 L34-4383-08 L34-4380-08	COIL COIL COIL COIL COIL		
L106 L107 L108 L109 L201		*	L34-4378-08 L34-4383-08 L40-4771-34 L34-4381-08 L40-5671-34	COIL COIL CHIP COIL 0.047UH COIL CHIP COIL 0.056UH		
L202 L203 L204 L301 L302, 303			L40-1005-34 L40-1271-34 L40-2271-34 L40-8271-34 L33-0797-05	CHIP COIL 10UH CHIP COIL 0.012UH CHIP COIL 0.022UH CHIP COIL 0.082UH CHIP COIL 39NH		
L304 L305, 306 L307 L308 L309, 310			L40-8271-34 L33-0797-05 L40-2271-34 L40-1871-34 L33-0796-05	CHIP COIL 0.082UH CHIP COIL 39NH CHIP COIL 0.022UH CHIP COIL 0.018UH CHIP COIL 33NH		
L311 L312, 313 L314 L315 L316		*	L40-1571-34 L33-0796-05 L40-1571-34 L34-4386-08 L40-1295-34	CHIP COIL 0.015UH CHIP COIL 33NH CHIP COIL 0.015UH IFT 45.05MHZ CHIP COIL 0.12UH		
L317 L318			L40-1271-34 L40-6871-34	CHIP COIL 0.012UH CHIP COIL 0.068UH		

L:Scandinavia

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TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
L319 L320 L330 X1 X201		*	L34-4377-08 L40-1871-34 * L71-0451-08 * L77-1582-08 * L77-1576-08	COIL CHIP COIL 0.018UH CRYSTAL F (45.05MHZ) CRYSTAL RESONATOR (45.505MHZ) CRYSTAL RESONATOR (12.8MHZ)		
R1 R5 R6 R7 R8			RK73GB1J562J RK73GB1J101J * R92-1380-08 RK73GB1J2R2J * R92-1384-08	CHIP R 5.6K J 1/16W CHIP R 100 J 1/16W CHIP R 220 1/16W CHIP R 2.2 J 1/16W CHIP R 1 J 1/16W		
R9 ,10 R11 R12 R13 R15			RK73GB1J103J RK73GB1J102J RK73GB1J274J RK73GB1J104J RK73GB1J102J	CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 270K J 1/16W CHIP R 100K J 1/16W CHIP R 1.0K J 1/16W		
R16 R17 R18 R20 R21			RK73GB1J334J RK73GB1J152J RK73GB1J103J RK73GB1J333J RK73GB1J102J	CHIP R 330K J 1/16W CHIP R 1.5K J 1/16W CHIP R 10K J 1/16W CHIP R 33K J 1/16W CHIP R 1.0K J 1/16W		
R22 R23 R24 R25 R26			RK73GB1J333J RK73GB1J103J RK73GB1J104J RK73GB1J102J RK73GB1J221J	CHIP R 33K J 1/16W CHIP R 10K J 1/16W CHIP R 100K J 1/16W CHIP R 1.0K J 1/16W CHIP R 220 J 1/16W		
R101 R102, 103 R104 R105 R106			R92-1319-05 RK73GB1J103J RK73GB1J104J RK73GB1J273J RK73GB1J102J	CHIP R 82 1W CHIP R 10K J 1/16W CHIP R 100K J 1/16W CHIP R 27K J 1/16W CHIP R 1.0K J 1/16W		
R107 R108 R109 R110 R111			RK73GB1J103J RK73GB1J102J * R92-1379-08 * R92-1381-08 R92-1276-05	CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W CHIP R 5.6 1W CHIP R 390 1/4W CHIP R 820 1/4W		
R112 R113 R114 R115 R116		*	R92-1382-08 RK73GB1J104J RK73GB1J271J RK73GB1J563J RK73GB1J180J	CHIP R 47 1/4W CHIP R 100K J 1/16W CHIP R 270 J 1/16W CHIP R 56K J 1/16W CHIP R 18 J 1/16W		
R117 R118 R119 R120 R121			RK73GB1J271J RK73GB1J102J RK73GB1J103J R92-1383-08 RK73GB1J102J	CHIP R 270 J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 680 1/4W CHIP R 1.0K J 1/16W		
R122 R123 R124 R125 R126			RK73GB1J562J RK73GB1J472J RK73GB1J223J RK73GB1J103J RK73GB1J102J	CHIP R 5.6K J 1/16W CHIP R 4.7K J 1/16W CHIP R 22K J 1/16W CHIP R 10K J 1/16W CHIP R 1.0K J 1/16W		
R202 R203 R204 R205 R206			RK73GB1J331J RK73GB1J122J RK73GB1J563J RK73GB1J562J RK73GB1J101J	CHIP R 330 J 1/16W CHIP R 1.2K J 1/16W CHIP R 56K J 1/16W CHIP R 5.6K J 1/16W CHIP R 100 J 1/16W		

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TM-251E : E,E2,E3,E9

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PARTS LIST

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TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
R207			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R208			RK73GB1J221J	CHIP R 220 J 1/16W		
R209			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R210			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R211			RK73GB1J121J	CHIP R 120 J 1/16W		
R212-214			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R215			RK73GB1J560J	CHIP R 56 J 1/16W		
R216, 217			RK73GB1J121J	CHIP R 120 J 1/16W		
R218			RK73GB1J563J	CHIP R 56K J 1/16W		
R219			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R221			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R222			RK73GB1J274J	CHIP R 270K J 1/16W		
R223			RK73GB1J103J	CHIP R 10K J 1/16W		
R224, 225			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R226			RK73GB1J101J	CHIP R 100 J 1/16W		
R227			RK73GB1J821J	CHIP R 820 J 1/16W		
R228			RK73GB1J333J	CHIP R 33K J 1/16W		
R229			RK73GB1J273J	CHIP R 27K J 1/16W		
R230			RK73GB1J100J	CHIP R 10 J 1/16W		
R231, 232			RK73GB1J103J	CHIP R 10K J 1/16W		
R234			RK73GB1J333J	CHIP R 33K J 1/16W		
R235			RK73GB1J103J	CHIP R 10K J 1/16W		
R236			RK73GB1J473J	CHIP R 47K J 1/16W		
R237, 238			RK73GB1J103J	CHIP R 10K J 1/16W		
R239			RK73GB1J274J	CHIP R 270K J 1/16W		
R240, 241			RK73GB1J103J	CHIP R 10K J 1/16W		
R242			R92-1252-05	CHIP R 0 ΩHM		
R243			RK73GB1J101J	CHIP R 100 J 1/16W		
R301			RK73GB1J101J	CHIP R 100 J 1/16W		
R302			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R303			RK73GB1J561J	CHIP R 560 J 1/16W		
R304			RK73GB1J563J	CHIP R 56K J 1/16W		
R305			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R306			RK73GB1J122J	CHIP R 1.2K J 1/16W		
R307			RK73GB1J471J	CHIP R 470 J 1/16W		
R308			RK73GB1J221J	CHIP R 220 J 1/16W		
R309			RK73GB1J100J	CHIP R 10 J 1/16W		
R310			RK73GB1J563J	CHIP R 56K J 1/16W		
R313			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R314			RK73GB1J101J	CHIP R 100 J 1/16W		
R315			RK73GB1J121J	CHIP R 120 J 1/16W		
R316			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R318			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R319			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R320			RK73GB1J221J	CHIP R 220 J 1/16W		
R321, 322			RK73GB1J151J	CHIP R 150 J 1/16W		
R323			RK73GB1J390J	CHIP R 39 J 1/16W		
R326			R92-1252-05	CHIP R 0 ΩHM		
R327			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R328			RK73GB1J101J	CHIP R 100 J 1/16W		
R329			RK73GB1J181J	CHIP R 180 J 1/16W		
R330			RK73GB1J330J	CHIP R 33 J 1/16W		
R331			RK73GB1J473J	CHIP R 47K J 1/16W		
R332			RK73GB1J471J	CHIP R 470 J 1/16W		
R333			RK73GB1J680J	CHIP R 68 J 1/16W		

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TX-RX UNIT (W02-1810-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
R335			RK73GB1J181J	CHIP R 180 J 1/16W		
R337			RK73GB1J680J	CHIP R 68 J 1/16W		
R338			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R339			RK73GB1J120J	CHIP R 12 J 1/16W		
R340, 341			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R343			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R344			RK73GB1J470J	CHIP R 47 J 1/16W		
R345, 346			RK73GB1J563J	CHIP R 56K J 1/16W		
R348			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R349			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R351			RK73GB1J151J	CHIP R 150 J 1/16W		
R352			RK73GB1J101J	CHIP R 100 J 1/16W		
R353, 354			RK73GB1J563J	CHIP R 56K J 1/16W		
R355			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R358			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R360			RK73GB1J271J	CHIP R 270 J 1/16W		
R361			RK73GB1J471J	CHIP R 470 J 1/16W		
R363			RK73GB1J103J	CHIP R 10K J 1/16W		
R364			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R365			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R366			RK73GB1J331J	CHIP R 330 J 1/16W		
R367			RK73GB1J330J	CHIP R 33 J 1/16W		
R368			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R369			RK73GB1J681J	CHIP R 680 J 1/16W		
R370			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R371			RK73GB1J273J	CHIP R 27K J 1/16W		
R372			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R373			RK73GB1J122J	CHIP R 1.2K J 1/16W		
R374			RK73GB1J331J	CHIP R 330 J 1/16W		
R375			RK73GB1J101J	CHIP R 100 J 1/16W		
R378			RK73GB1J120J	CHIP R 12 J 1/16W		
VR1			R12-8429-05	TRIM POT 100K		
VR101			R12-8427-05	TRIM POT 50K		
VR102			R12-8423-05	TRIM POT 10K		
VR201			R12-8427-05	TRIM POT 50K		
D101			HSU277	DIODE		
D102			MI809	DIODE		
D103, 104			MI407	DIODE		
D105, 106			MA716	DIODE		
D107			DSA3A1	DIODE		
D108			HSU277	DIODE		
D201			HSM2693	DIODE		
D203			HSM2693	DIODE		
D204-206			1SS301	DIODE		
D301-304			HVU202	DIODE		
D305			1SS301	DIODE		
D307, 308			HSU277	DIODE		
D309			HSM2693	DIODE		
D310-313			HVU202	DIODE		
D314			HSU277	DIODE		
D315			HSM2693	DIODE		
D316			1SS301	DIODE		
IC1			KCD04	HIC (FMIF)		
IC2		*	W02-1829-08	HIC (RX AUDIO)		
IC3			TDA2003V	IC (AF AMP)		

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TX-RX UNIT (W02-1810-08)

CONTROL UNIT (W02-18XX-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
IC4 IC5 IC6 IC102 IC103		*	W02-1830-08 BU4094BF TA7787AF W02-1827-08 NJM7808A	HIC (PRQG SQL) IC(SHIFT/STORE REGISTER) IC(FM/AM IF/3V) DET HIC (RF AMP144MHZ) IC (REGULATOR 8V)		
IC104 IC201 IC202 IC203 IC204		*	NJM78L05UA L78-0350-08 W02-1828-08 L78-0353-08 UPC1676G	IC (REGULATPR 5V) PLL VCO (144MHZ) HIC (TX AUDIO) PLL VCO (430MHZ) IC (RF AMP)		
IC205 IC208 IC302 IC303 Q1			TC4S66F LA5010M UPC1676G NJM3404AV 2SJ144(GR)	IC (ANALOG SW) IC(LOW SATURATION REGULATOR) IC (RF AMP) IC (OP ANP) FET		
Q3 Q4 Q5 Q6 Q7			2SC2712(BL) RN2701 RN1704 RN1304 2SC2714	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q8 Q101 Q102 Q103 Q104			2SC2712(BL) 2SB1292 2SD1621 2SA1618GR RN2302	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q105 Q106 Q107 Q108 Q109			2SB624 RN1704 2SB1302(T) 2SC2712(BL) RN1704	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q201 Q202 Q204, 205 Q206 Q207		*	2SC4901YK-02TR 2SC2712(BL) RN2302 RN1704 2SC2712(BL)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q208 Q209 Q210 Q301, 302 Q304, 305		*	RN1304 2SC2712(BL) RN1704 2SC4901YK-02TR 2SC4901YK-02TR	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q306 Q307 Q308 Q309 Q310			2SC3356 2SC2714 RN2701 RN1704 RN2302	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q311 Q312 Q313		*	RN1704 2SK208 2SC4901YK-02TR	TRANSISTOR FET TRANSISTOR		
CONTROL UNIT (W02-18XX-08) 1841 : K,P 1842 : M 1843 : M2 1844 : M3 1845 : E,E3,E9 1846 : E2						
C401 C402 C403 C404, 405 C406-408		*	CK73GB1E103K CK73FB1E223K CK73GF1E223Z CC73GCG1H150J CK73GB1E103K	CHIP C 0.010UF K CHIP C 0.022UF K CHIP C 0.022UF Z CHIP C 15PF J CHIP C 0.010UF K		

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C409			C92-0614-08	ELECTRP 47UF 10V		
C410			CK73GB1E103K	CHIP C 0.010UF K		
C411-413		*	CC73GCG1H101J	CHIP C 100PF J		
C414			CK73GB1H102K	CHIP C 1000PF K		
C415		*	C93-0585-08	CERAMIC 1UF 16V		
C416		*	CC73GCG1H101J	CHIP C 100PF J		
C417			CK73GF1C104Z	CHIP C 0.1UF Z		
C418, 419		*	CC73GCG1H330J	CHIP C 33PF J		
C420			CK73GF1C104Z	CHIP C 0.1UF Z		
C421		*	CC73GCG1H470J	CHIP C 47PF J		
C422		*	C93-0585-08	CERAMIC 1UF 16V		
C423		*	CC73GCG1H470J	CHIP C 47PF J		
C424			CK73GF1C104Z	CHIP C 0.1UF Z		
C425			C92-0516-05	CHIP TAN 4.7UF 10V		
C426		*	C93-0585-08	CERAMIC 1UF 16V		
C427			CK73GF1C104Z	CHIP C 0.1UF Z		
C428, 429		*	C93-0585-08	CERAMIC 1UF 16V		
C430			CK73GF1C104Z	CHIP C 0.1UF Z		
C431, 432		*	CC73GCG1H151J	CHIP C 150PF J		
C433		*	C93-0584-08	CERAMIC 0.1UF 16V		
C434			CK73GF1C104Z	CHIP C 0.1UF Z		
C435		*	C93-0584-08	CERAMIC 0.1UF 16V		
C436			CK73GB1H332K	CHIP C 3300PF K		
C437		*	CC73GCG1H101J	CHIP C 100PF J		
C438		*	C93-0584-08	CERAMIC 0.1UF 16V		
C439, 440		*	CC73GCG1H330J	CHIP C 33PF J		
C441		*	C93-0585-08	CERAMIC 1UF 16V		
C442			CK73GF1C104Z	CHIP C 0.1UF Z		
C443		*	CC73GCG1H470J	CHIP C 47PF J		
C444			C92-0536-05	CHIP TAN 10UF 10V		
C445			CK73GF1E223Z	CHIP C 0.022UF Z		
C446			C92-0536-05	CHIP TAN 10UF 10V		
C447-451		*	C93-0585-08	CERAMIC 1UF 16V		
C452			C92-0516-05	CHIP TAN 4.7UF 10V		
C453			CK73GF1C104Z	CHIP C 0.1UF Z		
C454		*	C93-0585-08	CERAMIC 1UF 16V		
C455			CK73GB1H332K	CHIP C 3300PF K		
C456			C92-0536-05	CHIP TAN 10UF 10V		
C457		*	CC73GCG1H101J	CHIP C 100PF J		
C458		*	CC73GCG1H390J	CHIP C 39PF J		
C459		*	C93-0585-08	CERAMIC 1UF 16V		
C460			CK73GF1C104Z	CHIP C 0.1UF Z		
C461		*	C93-0585-08	CERAMIC 1UF 16V		
C463, 464		*	CC73GCG1H101J	CHIP C 100PF J		
C465		*	C93-0584-08	CERAMIC 0.1UF 16V		
C466			CK73GF1C104Z	CHIP C 0.1UF Z		
CN401		*	E40-5720-08	CONNECTOR (11P)		
CN402		*	E40-5724-08	CONNECTOR (8P)		
CN402-2		*	E58-0427-08	MODULER SOCKET(8P)		
CN403		*	E40-5722-08	CONNECTOR (8P)		
CN404		*	E40-5725-08	CONNECTOR (5P)		
CN405, 406		*	E40-5721-08	CONNECTOR (20P)		
PC402-2		*	E37-0468-08	FPC (CN402-2)		
W1		*	E33-1978-08	WIRE (GREEN)	KP	

L:Scandinavia

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TM-251A : K,P,M,M2,M3

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CONTROL UNIT (W02-18XX-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
W2		*	E33-1979-08	WIRE (BLUE)	KP	
W3		*	E33-1980-08	WIRE (WHITE)	KP	
F1			F53-0054-05	CHIP FUSE (1.2A)		
X401		*	L77-1578-08	CRYSTAL RESONATOR (4.194304MHZ)		
X402		*	L78-0348-08	CERAMIC RESONATOR (4.096MHZ)		
X403		*	L78-0346-08	CERAMIC RESONATOR (480KHZ)		
X404		*	L78-0347-08	CERAMIC RESONATOR (3.58MHZ)		
R401			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R402			RK73GB1J824J	CHIP R 820K J 1/16W		
R403			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R404			RK73GB1J103J	CHIP R 10K J 1/16W		
R405			RK73GB1J104J	CHIP R 100K J 1/16W		
R406			RK73GB1J473J	CHIP R 47K J 1/16W		
R407			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R408			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R409-413			RK73GB1J473J	CHIP R 47K J 1/16W		
R414-416			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R417			RK73GB1J473J	CHIP R 47K J 1/16W		
R418			RK73GB1J474J	CHIP R 470K J 1/16W		
R419			RK73GB1J103J	CHIP R 10K J 1/16W		
R420			RK73GB1J102J	CHIP R 1K J 1/16W		
R421			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R422			RK73GB1J394J	CHIP R 390K J 1/16W		
R423			RK73GB1J822J	CHIP R 8.2K J 1/16W		
R424			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R425			RK73GB1J102J	CHIP R 1K J 1/16W		
R426			RK73GB1J103J	CHIP R 10K J 1/16W		
R428			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R429-430			RK73GB1J473J	CHIP R 47K J 1/16W		
R431			RK73GB1J103J	CHIP R 10K J 1/16W		
R432			RK73GB1J183J	CHIP R 18K J 1/16W		
R433			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R434			RK73GB1J224J	CHIP R 220K J 1/16W		
R435			RK73GB1J104J	CHIP R 100K J 1/16W		
R436			RK73GB1J224J	CHIP R 220K J 1/16W		
R437			RK73GB1J154J	CHIP R 150K J 1/16W		
R438			RK73GB1J104J	CHIP R 100K J 1/16W		
R439			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R440			RK73GB1J684J	CHIP R 680K J 1/16W		
R441			RK73GB1J564J	CHIP R 560K J 1/16W		
R442			RK73GB1J754J	CHIP R 750K J 1/16W		
R443			RK73GB1J153J	CHIP R 15K J 1/16W		
R444			RK73GB1J104J	CHIP R 100K J 1/16W		
R445			RK73GB1J273J	CHIP R 27K J 1/16W		
R446			RK73GB1J393J	CHIP R 39K J 1/16W		
R447			RK73GB1J334J	CHIP R 330K J 1/16W		
R448			RK73GB1J683J	CHIP R 68K J 1/16W		
R449			RK73GB1J394J	CHIP R 390K J 1/16W		
R451			RK73GB1J154J	CHIP R 150K J 1/16W		
R452			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R453			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R454			RK73GB1J103J	CHIP R 10K J 1/16W		
R455			RK73GB1J104J	CHIP R 100K J 1/16W		

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CONTROL UNIT (W02-18XX-08)

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R456			RK73GB1J393J	CHIP R 39K J 1/16W		
R457			RK73GB1J274J	CHIP R 270K J 1/16W		
R458			RK73GB1J104J	CHIP R 100K J 1/16W		
R459			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R460			RK73GB1J471J	CHIP R 470 J 1/16W		
R461			RK73GB1J104J	CHIP R 100K J 1/16W		
R462-463			RK73GB1J473J	CHIP R 47K J 1/16W		
R464			RK73GB1J824J	CHIP R 820K J 1/16W		
R465			RK73GB1J334J	CHIP R 330K J 1/16W		
R466			RK73GB1J152J	CHIP R 1.5K J 1/16W	EE2E3	
R466			RK73GB1J152J	CHIP R 1.5K J 1/16W	E9	
R466			RK73GB1J272J	CHIP R 2.7K J 1/16W	KPM	
R466			RK73GB1J272J	CHIP R 2.7K J 1/16W	M2M3	
R467			RK73GB1J222J	CHIP R 2.2K J 1/16W	KPM	
R467			RK73GB1J222J	CHIP R 2.2K J 1/16W	M2M3	
R467			RK73GB1J682J	CHIP R 6.8K J 1/16W	EE3E9	
R467			RK73GB1J682J	CHIP R 6.8K J 1/16W	E2	
R468			RK73GB1J103J	CHIP R 10K J 1/16W		
R469			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R470			RK73GB1J393J	CHIP R 39K J 1/16W		
R471			RK73GB1J225J	CHIP R 2.2M J 1/16W		
R472			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R473, 474			R92-1252-05	CHIP R 0 OHM	MM2M3	
R476			RK73GB1J474J	CHIP R 470K J 1/16W		
R477, 478			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R479			RK73GB1J104J	CHIP R 100K J 1/16W		
R480, 481			RK73GB1J473J	CHIP R 47K J 1/16W		
R482			R92-1252-05	CHIP R 0 OHM		
R483			RD14BB2E101J	RD 100 J 1/4W		
R484, 485			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R486-491			RK73GB1J101J	CHIP R 100 J 1/16W		
R492			RK73GB1J103J	CHIP R 10K J 1/16W		
VR401		*	R31-0602-08	POTENTIOMETER 50K		
VR402		*	R31-0601-08	POTENTIOMETER 10K		
S401		*	W02-1826-08	ENCODER		
S402-409			S70-0408-05	TACT SW 100G		
S410		*	S70-0437-08	ROCK SW		
D401			LFB01	DIODE		
D402			02CZ3.0	CHIP ZENERDIODE		
D403			02CZ7.5	CHIP ZENERDIODE		
D404			1SS301	DIODE		
D405			1SS302	DIODE		
D406			LFB01	DIODE		
D407-410			1SS301	DIODE		
D412			1SS352	DIODE		
D413, 414			1SS352	DIODE	KPM	
D413, 414			1SS352	DIODE	M2M3	
D415			1SS352	DIODE	KP	
D416			1SS352	DIODE	KPEE3	
D416			1SS352	DIODE	E2E9	
D417			1SS352	DIODE	MBE3E9	
D418			1SS352	DIODE	MM2M3E	
D418			1SS352	DIODE	E2E3E9	
D419			1SS272	DIODE		

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CONTROL UNIT (W02-18XX-08)

IC102 : 144MHz RF AMP (W02-1827-08)

IC202 : TX AUDIO (W02-1828-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D420 IC401 IC402 IC403 IC404			1SS337 HD6433388F-XXXX MSM6588GS-V1K MSM6586JS TC35219F	DIODE IC (CPU) IC (DIGITAL RECORDINGCONTROL) IC (REGISTER 256K BIT) IC (DTMF GEN)		
IC405 IC406 IC407 IC408 IC409,410		*	LC7385M TC4053BF TA7806F NJM062V TC4S66F	IC(DTMF DECODER) IC(3-INPUT 2CH MPX/DE-MPX) IC (6V AVR) IC (OP AMPX2) IC(BILATERAL SWITCH)		
Q401 Q402 Q403 Q404 Q405,406		*	2SK536 2SC2712(BL) RN1502 2SD596 2SC2712(BL)	FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q409 Q410			RN1302 2SC2712(Y)	TRANSISTOR TRANSISTOR		
BA401		*	W09-0859-08	LITHIUM BATTERY		
IC102 : 144MHz RF AMP (W02-1827-08)						
C1 C2 C3 ,4 C5 C6		*	CC73GCG1H101J CC73GCG1H180J CK73GB1H102K CK73GB1E103K CC73GCG1H220J	CHIP C 100PF J CHIP C 18PF J CHIP C 1000PF K CHIP C 0.010UF K CHIP C 22PF J		
C8 ,9 C10 C12 C13		*	CK73GB1E103K CC73GCG1H180J CK73GB1E103K CK73GF1C104Z	CHIP C 0.010UF K CHIP C 18PF J CHIP C 0.010UF K CHIP C 0.1UF Z		
L1 L2 L4			L40-4771-34 L40-6871-34 L40-6871-34	CHIP COIL 47NH CHIP COIL 68NH CHIP COIL 68NH		
R1 R2 R3 ,4 R5 R6			R92-2512-08 R92-2518-08 R92-2526-08 R92-2505-08 R92-2527-08	CHIP R 1.8K G 1/16W CHIP R 2.7K G 1/16W CHIP R 47 G 1/16W CHIP R 12 G 1/16W CHIP R 4.7K G 1/16W		
R7 R8 R9			R92-1252-05 R92-2502-08 R92-2521-08	CHIP R 0 OHM CHIP R 1.0K G 1/16W CHIP R 330 G 1/16W		
D1 Q1 Q2			1SS302 2SC3357 2SC2954	DIODE TRANSISTOR TRANSISTOR		
IC202 : TX AUDIO (W02-1828-08)						
C3 C4 C5 C6 C7		*	CC73GCG1H101J C93-0590-08 C92-0516-05 CC73GCG1H820J C93-0590-08	CHIP C 100PF FILM C 0.033UF 16V CHIP TAN 4.7UF 10V CHIP C 82PF J FILM C 0.033UF 16V		
C8 C9 C10 C11 C12		*	CK73GB1H821K C91-1161-08 CC73GCG1H101J CK73GB1E103K CC73GCG1H101J	CHIP C 820PF K FILM C 3300PF 50V CHIP C 100PF J CHIP C 0.010UF K CHIP C 100PF J		

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IC202 : TX AUDIO (W02-1828-08)

IC2 : RX AUDIO (W02-1829-08)

IC4 : PROG. SQL (W02-1830-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C13 C14		*	C92-0516-05 CC73GCG1H101J	CHIP TAN 4.7UF 10V CHIP C 100PF J		
R1			R92-2509-08	CHIP R 15K G 1/16W		
R2			R92-2515-08	CHIP R 22K G 1/16W		
R3			R92-1252-05	CHIP R 0 OHM		
R5			R92-2529-08	CHIP R 560 G 1/16W		
R6			R92-2532-08	CHIP R 6.8K G 1/16W		
R7			R92-2530-08	CHIP R 5.6K G 1/16W		
R8			R92-2513-08	CHIP R 180K G 1/16W		
R9			R92-2523-08	CHIP R 33K G 1/16W		
R10			R92-2528-08	CHIP R 47K G 1/16W		
R11			R92-2516-08	CHIP R 220K G 1/16W		
R12 -14			R92-2535-08	CHIP R 82K G 1/16W		
R16 ,17			R92-2507-08	CHIP R 120K G 1/16W		
R18			R92-2502-08	CHIP R 1.0K G 1/16W		
R19			R92-2504-08	CHIP R 100K G 1/16W		
IC1			TC4066BF	IC(BILATERAL SWITCH)		
IC2 ,3			NJM3404AM	IC(OP AMP X2)		
IC2 : RX AUDIO (W02-1829-08)						
C1 ,2		*	C93-0585-08	CHIP C 1UF 16V		
C3			C92-0516-05	CHIP TAN 4.7UF 10V		
C4 ,5			CK73GB1E103K	CHIP C 0.010UF K		
C6 -8		*	C93-0585-08	CHIP C 1UF 16V		
C9			CK73FB1E104K	CHIP C 0.10UF K		
C10		*	C93-0585-08	CHIP C 1UF 16V		
C11			CK73GB1H681K	CHIP C 680PF K		
C12			CK73GB1H472K	CHIP C 4700PF K		
C13		*	CC73GCG1H101J	CHIP C 100PF J		
R1			R92-2513-08	CHIP R 180K G 1/16W		
R2			R92-2509-08	CHIP R 15K G 1/16W		
R3			R92-2534-08	CHIP R 8.2K G 1/16W		
R4			R92-2510-08	CHIP R 150K G 1/16W		
R5			R92-2503-08	CHIP R 10K G 1/16W		
R6			R92-1252-05	CHIP R 0 OHM		
R7 -9			R92-2503-08	CHIP R 10K G 1/16W		
R10			R92-2509-08	CHIP R 15K G 1/16W		
R11 -13			R92-2504-08	CHIP R 100K G 1/16W		
R14			R92-2502-08	CHIP R 1.0K G 1/16W		
R15			R92-2503-08	CHIP R 10K G 1/16W		
IC1			NJM4558M	IC(OP AMP X2)		
IC2			TC4066BF	IC(BILATERAL SWITCH)		
IC3		*	X9313WS	IC(ELECTRONIC VR)		
IC4 : PROG. SQL (W02-1830-08)						
C1			CK73GB1E103K	CHIP C 0.010UF K		
R1			R92-2519-08	CHIP R 27K J 1/16W		
R2			R92-2512-08	CHIP R 1.8K J 1/16W		
R3			R92-2522-08	CHIP R 3.3K J 1/16W		
R4			R92-2532-08	CHIP R 6.8K J 1/16W		
R5			R92-2506-08	CHIP R 12K J 1/16W		
R6			R92-2519-08	CHIP R 27K J 1/16W		
IC1			BU4094BF	IC(SHIFT/STORE REGISTER)		

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IC4 : PROG. SQL (W02-1830-08)

LCD ASSY (B38-0721-08)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
IC2 Q1			TC4066BF RN1304	IC(BILATERAL SWITCH) TRNNSISTOR		
LCD ASSY (B38-0721-08)						
PL1-PL4		*	B30-2133-08	LAMP		
C2			CK73FB1E104K	CHIP C 0.10UF K		
C3 , 4			CK73FB1E103K	CHIP C 0.01UF K		
C5			CK73FB1E223K	CHIP C 0.022UF K		
C6			CK73FB1E102K	CHIP C 1000PF K		
C7			CK73FB1E332K	CHIP C 3300PF K		
CN1		*	E40-5726-08	PIN CONNECTOR		
R1 , 2			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R3		*	R92-1392-08	CHIP R 470K J 1/16W		
R4			RK73FB2A104J	CHIP R 100K J 1/10W		
R5			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R6		*	R92-1391-08	CHIP R 22K J 1/16W		
R7		*	R92-1393-08	CHIP R 2.2K J 1/16W		
R8			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R9		*	R92-1397-08	CHIP R 30K J 1/16W		
R10		*	R92-1392-08	CHIP R 47K J 1/16W		
R11		*	R92-1394-08	CHIP R 120K J 1/16W		
R12		*	R92-1398-08	CHIP R 43K J 1/16W		
R13 , 14		*	R92-1395-08	CHIP R 22 J 1/16W		
R15 , 16			RK73FB2A152J	CHIP R 1.5K J 1/16W		
R18		*	R92-1396-08	CHIP R 2.2 J 1/16W		
R19 , 21			RK73FB2A102J	CHIP R 1.0K J 1/16W		
R22		*	R92-1396-08	CHIP R 2.2 J 1/10W		
IC1			MSM5265GS-V1K	IC(LCD DRIVER)		
Q1			2SA1244(Y)	TRANSISTOR		
Q2			2SC2712(Y)	TRANSISTOR		
Q3			2SA1162(Y)	TRANSISTOR		
Q4 -6			2SC2712(Y)	TRANSISTOR		
Q7			2SA1244(Y)	TRANSISTOR		

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