

TM-251A/E

SERVICE MANUAL

REVISED 1

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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.**

TM-251A/E

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. 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
TM-251A/E						
1	1C	*	A01-2090-08	METALLIC CABINET(TOP)		
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	KPMM2	
5	2A	*	A62-0315-08	PANEL	M3	
5	2A	*	A62-0316-08	PANEL	EE2E3	
5	2A	*	A62-0316-08	PANEL	E9	
7	2A	*	B10-1217-08	FRONT GLASS		
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	K	
12	1D		B46-0310-03	WARRANTY CARD	EE2E3	
12	1D		B46-0310-03	WARRANTY CARD	E9	
12	1D		B46-0410-30	WARRANTY CARD	K	
12	1D		B46-0422-00	WARRANTY CARD	P	
13	1D	*	B62-0455-08	INSTRUCTION MANUAL	K	
13	1D	*	B62-0456-08	INSTRUCTION MANUAL	PMM2M3	
13	1D	*	B62-0456-08	INSTRUCTION MANUAL	E3E9	
13	1D	*	B62-0457-08	INSTRUCTION MANUAL	EE2	
13	1D	*	B62-0458-08	INSTRUCTION MANUAL	PMM2M3	
13	1D	*	B62-0458-08	INSTRUCTION MANUAL	E3E9	
14	2C	*	B72-0651-04	MODEL NAME PLATE	E9	
15	1C	*	B72-0676-08	MODEL NAME PLATE	KP	
15	1C	*	B72-0677-08	MODEL NAME PLATE	MM2M3	
15	1C	*	B72-0678-08	MODEL NAME PLATE	EE2E3	
15	1C	*	B72-0678-08	MODEL NAME PLATE	E9	
16	3E	*	B82-0009-08	POS LABEL	KP	
16	3E	*	B82-0011-08	POS LABEL	MM2M3E	
16	3E	*	B82-0011-08	POS LABEL	E2E3E9	
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	CUSHION		
37	1B	*	G13-1457-08	CUSHION		
39	2E	*	H12-1464-08	PACKIN FIXTURE		

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 indicates safety critical components.

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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	KNØB (REV)		
54	2A	*	K27-3149-08	KNØB (TONE/CTCSS)		
55	2A	*	K27-3150-08	KNØB (DTSS)		
56	2B	*	K27-3151-08	KNØB (POWEW)		
57	2B	*	K27-3152-08	KNØB (LOW/LOCK)		
58	2A	*	K27-3153-08	KNØB (VFO)		
59	2A	*	K27-3154-08	KNØB (MR)		
60	2A	*	K27-3155-08	KNØB (MAIN)		
61	2A	*	K27-3156-08	KNØB (VOL SOL)		
62	2B	*	K27-3158-08	KNØB (FUNC)		
63	2A	*	K27-3159-08	KNØB (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		
68	2E	*	T91-0516-05	MICROPHONE	MM2EE2	
68	2E	*	T91-0516-05	MICROPHONE	E3E9	
68	2E	*	T91-0517-05	MICROPHONE	KPM3	
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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TX-RX UNIT (W02-1810-08)

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C11			CK73GF1C104Z	CHIP C 0.1UF Z		
C12		*	C93-0585-08	CERAMIC 1UF 16V		
C13			C92-0610-08	ELECTRØ 47UF 16V		
C14 ,15			CK73FB1E473Z	CHIP C 0.047UF Z		
C16 ,17		*	C92-0616-08	ELECTRØ 220UF 10V		
C18			CK73FB1E104K	CHIP C 0.1UF K		
C19 ,20			CK73GF1C104Z	CHIP C 0.1UF Z		
C21			C92-0609-08	ELECTRØ 10UF 16V		
C22			C92-0004-05	ELECTRØ 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	ELECTRØ 33UF 25V		
C125			CK73GB1H102K	CHIP C 1000PF K		
C126			C92-0612-08	ELECTRØ 33UF 25V		
C127			C92-0611-08	ELECTRØ 10UF 25V		
C128			C92-0609-08	ELECTRØ 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	ELECTRØ 1500UF 16V		
C134			CK73GB1E103K	CHIP C 0.010UF K		
C135,136			CK73GB1H102K	CHIP C 1000PF K		
C137			C92-0610-08	ELECTRØ 47UF 16V		
C138			CK73GB1H102K	CHIP C 1000PF K		
C139			C92-0609-08	ELECTRØ 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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
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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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TM-251E : E,E2,E3,E9

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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		*	CC73GCG1H101J	CHIP C 100PF J		
C370			CK73GB1H102K	CHIP C 1000PF K		
C371, 372			CC73GCH1H090D	CHIP C 9.0PF		
C376-378			CK73GB1E103K	CHIP C 0.010UF K		
C379			CK73GB1H102K	CHIP C 1000PF K		
C380		*	CC73GCG1H150J	CHIP C 15PF J		
C381			CK73GF1C104Z	CHIP C 0.1UF Z		
C382			CK73GB1H102K	CHIP C 1000PF K		
C383			CC73GCH1H080D	CHIP C 8.0PF		
C384			CK73GF1C104Z	CHIP C 0.1UF Z		
C385			CK73GB1E103K	CHIP C 0.010UF K		
C386			CC73GCH1H030C	CHIP C 3.0PF		
C388, 389			CK73GB1E103K	CHIP C 0.010UF K		
C391			CK73GB1E103K	CHIP C 0.010UF K		
C392		*	CC73GCG1H101J	CHIP C 100PF J		
TC201			C05-0371-05	TRIM CAP 10PF		
TC301-304			C05-0370-05	TRIM CAP 20PF		
TC305-308			C05-0371-05	TRIM CAP 10PF		
CN1			B40-3237-05	CONNECTOR (2P)		
CN2		*	B56-0406-08	DIN CONNECTOR		
CN201, 202		*	B40-5723-08	CONNECTOR (20P)		
J1		*	B12-0403-08	EXT SPJACK (3.5D)		
CD1			L79-1013-05	DISCRETE (455KHZ)		
CF1			L72-0366-05	CERAMIC FILTER(455KHZ)		
L1			L40-5671-34	CHIP COIL 0.56UH		
L2			L40-1005-34	CHIP COIL 10UH		
L3			L40-1295-34	CHIP COIL 0.12UH		
L101		*	L34-4385-08	COIL		
L102		*	L34-4383-08	COIL		
L103		*	L34-4382-08	COIL		
L104		*	L34-4383-08	COIL		
L105		*	L34-4380-08	COIL		
L106		*	L34-4378-08	COIL		
L107		*	L34-4383-08	COIL		
L108			L40-4771-34	CHIP COIL 0.047UH		
L109		*	L34-4381-08	COIL		
L201			L40-5671-34	CHIP COIL 0.056UH		
L202			L40-1005-34	CHIP COIL 10UH		
L203			L40-1271-34	CHIP COIL 0.012UH		
L204			L40-2271-34	CHIP COIL 0.022UH		
L301			L40-8271-34	CHIP COIL 0.082UH		
L302, 303			L33-0797-05	CHIP COIL 39NH		
L304			L40-8271-34	CHIP COIL 0.082UH		
L305, 306			L33-0797-05	CHIP COIL 39NH		
L307			L40-2271-34	CHIP COIL 0.022UH		
L308			L40-1871-34	CHIP COIL 0.018UH		
L309, 310			L33-0796-05	CHIP COIL 33NH		
L311			L40-1571-34	CHIP COIL 0.015UH		
L312, 313			L33-0796-05	CHIP COIL 33NH		
L314			L40-1571-34	CHIP COIL 0.015UH		
L315		*	L34-4386-08	IFT 45.05MHZ		
L316			L40-1295-34	CHIP COIL 0.12UH		
L317			L40-1271-34	CHIP COIL 0.012UH		
L318			L40-6871-34	CHIP COIL 0.068UH		

L:Scandinavia

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P:Canada

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

Y:PX(Far East, Hawaii)

T:England

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

Y:AAFES(Europe)

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M:Other Areas

⚠ indicates safety critical components.

PARTS LIST

× New Parts

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.

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		*	L34-4377-08	COIL		
L320			L40-1871-34	CHIP COIL 0.018UH		
L330		*	L71-0451-08	CRYSTAL F (45.05MHZ)		
X1		*	L77-1582-08	CRYSTAL RESONATOR (45.505MHZ)		
X201		*	L77-1576-08	CRYSTAL RESONATOR (12.8MHZ)		
R1			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R5			RK73GB1J101J	CHIP R 100 J 1/16W		
R6		*	R92-1380-08	CHIP R 220 J 1/16W		
R7			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R8		*	R92-1384-08	CHIP R 1 J 1/16W		
R9 ,10			RK73GB1J103J	CHIP R 10K J 1/16W		
R11			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R12			RK73GB1J274J	CHIP R 270K J 1/16W		
R13			RK73GB1J104J	CHIP R 100K J 1/16W		
R15			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R16			RK73GB1J334J	CHIP R 330K J 1/16W		
R17			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R18			RK73GB1J103J	CHIP R 10K J 1/16W		
R20			RK73GB1J333J	CHIP R 33K J 1/16W		
R21			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R22			RK73GB1J333J	CHIP R 33K J 1/16W		
R23			RK73GB1J103J	CHIP R 10K J 1/16W		
R24			RK73GB1J104J	CHIP R 100K J 1/16W		
R25			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R26			RK73GB1J221J	CHIP R 220 J 1/16W		
R101			R92-1319-05	CHIP R 82 1W		
R102, 103			RK73GB1J103J	CHIP R 10K J 1/16W		
R104			RK73GB1J104J	CHIP R 100K J 1/16W		
R105			RK73GB1J273J	CHIP R 27K J 1/16W		
R106			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R107			RK73GB1J103J	CHIP R 10K J 1/16W		
R108			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R109		*	R92-1379-08	CHIP R 5.6 1W		
R110		*	R92-1381-08	CHIP R 390 1/4W		
R111			R92-1276-05	CHIP R 820 1/4W		
R112		*	R92-1382-08	CHIP R 47 1/4W		
R113			RK73GB1J104J	CHIP R 100K J 1/16W		
R114			RK73GB1J271J	CHIP R 270 J 1/16W		
R115			RK73GB1J563J	CHIP R 56K J 1/16W		
R116			RK73GB1J180J	CHIP R 18 J 1/16W		
R117			RK73GB1J271J	CHIP R 270 J 1/16W		
R118			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R119			RK73GB1J103J	CHIP R 10K J 1/16W		
R120			R92-1383-08	CHIP R 680 1/4W		
R121			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R122			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R123			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R124			RK73GB1J223J	CHIP R 22K J 1/16W		
R125			RK73GB1J103J	CHIP R 10K J 1/16W		
R126			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R202			RK73GB1J331J	CHIP R 330 J 1/16W		
R203			RK73GB1J122J	CHIP R 1.2K J 1/16W		
R204			RK73GB1J563J	CHIP R 56K J 1/16W		
R205			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R206			RK73GB1J101J	CHIP R 100 J 1/16W		

L:Scandinavia

K:USA

P:Canada

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

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

Y:PX(Far East, Hawaii)

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

L:Scandinavia

K:USA

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

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PARTS LIST

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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		*	W02-1830-08	HIC (PR0G SQL)		
IC5			BU4094BF	IC(SHIFT/STORE REGISTER)		
IC6			TA7787AF	IC(FM/AM IF/3V) DET		
IC102		*	W02-1827-08	HIC (RF AMP144MHZ)		
IC103			NJM7808A	IC (REGULATOR 8V)		
IC104			NJM78L05UA	IC (REGULATPR 5V)		
IC201		*	L78-0350-08	PLL VC0 (144MHZ)		
IC202		*	W02-1828-08	HIC (TX AUDIO)		
IC203		*	L78-0353-08	PLL VC0 (430MHZ)		
IC204			UPC1676G	IC (RF AMP)		
IC205			TC4S66F	IC (ANALOG SW)		
IC208			LA5010M	IC(LOW SATURATION REGULATOR)		
IC302			UPC1676G	IC (RF AMP)		
IC303			NJM3404AV	IC (OP ANP)		
Q1			2SJ144(GR)	FET		
Q3			2SC2712(BL)	TRANSISTOR		
Q4			RN2701	TRANSISTOR		
Q5			RN1704	TRANSISTOR		
Q6			RN1304	TRANSISTOR		
Q7			2SC2714	TRANSISTOR		
Q8			2SC2712(BL)	TRANSISTOR		
Q101			2SB1292	TRANSISTOR		
Q102			2SD1621	TRANSISTOR		
Q103			2SA1618GR	TRANSISTOR		
Q104			RN2302	TRANSISTOR		
Q105			2SB624	TRANSISTOR		
Q106			RN1704	TRANSISTOR		
Q107			2SB1302(T)	TRANSISTOR		
Q108			2SC2712(BL)	TRANSISTOR		
Q109			RN1704	TRANSISTOR		
Q201		*	2SC4901YK-02TR	TRANSISTOR		
Q202			2SC2712(BL)	TRANSISTOR		
Q204, 205			RN2302	TRANSISTOR		
Q206			RN1704	TRANSISTOR		
Q207			2SC2712(BL)	TRANSISTOR		
Q208			RN1304	TRANSISTOR		
Q209			2SC2712(BL)	TRANSISTOR		
Q210			RN1704	TRANSISTOR		
Q301, 302		*	2SC4901YK-02TR	TRANSISTOR		
Q304, 305		*	2SC4901YK-02TR	TRANSISTOR		
Q306			2SC3356	TRANSISTOR		
Q307			2SC2714	TRANSISTOR		
Q308			RN2701	TRANSISTOR		
Q309			RN1704	TRANSISTOR		
Q310			RN2302	TRANSISTOR		
Q311			RN1704	TRANSISTOR		
Q312			2SK208	FET		
Q313		*	2SC4901YK-02TR	TRANSISTOR		
CONTROL UNIT (W02-18XX-08) 1841 : K,P 1842 : M 1843 : M2 1844 : M3 1845 : E,E3,E9 1846 : E2						
C401			CK73GB1E103K	CHIP C 0.010UF K		
C402			CK73FB1E223K	CHIP C 0.022UF K		
C403			CK73GF1E223Z	CHIP C 0.022UF Z		
C404, 405		*	CC73GCG1H150J	CHIP C 15PF J		
C406-408			CK73GB1E103K	CHIP C 0.010UF K		

L:Scandinavia

K:USA

P:Canada

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

Y:PX(Far East, Hawaii)

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

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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 向	Re- marks 備考
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	

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PARTS LIST

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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)

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
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 ØHM	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 ØHM		
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	MEE3E9	
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 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 CHIP C CHIP C CHIP C CHIP C	100PF J 18PF J 1000PF K 0.010UF K 22PF J	
C8 , 9 C10 C12 C13		*	CK73GB1E103K CC73GCG1H180J CK73GB1E103K CK73GF1C104Z	CHIP C CHIP C CHIP C CHIP C	0.010UF K 18PF J 0.010UF K 0.1UF Z	
L1 L2 L4			L40-4771-34 L40-6871-34 L40-6871-34	CHIP COIL CHIP COIL CHIP COIL	47NH 68NH 68NH	
R1 R2 R3 , 4 R5 R6			R92-2512-08 R92-2518-08 R92-2526-08 R92-2505-08 R92-2527-08	CHIP R CHIP R CHIP R CHIP R CHIP R	1.8K G 1/16W 2.7K G 1/16W 47 G 1/16W 12 G 1/16W 4.7K G 1/16W	
R7 R8 R9			R92-1252-05 R92-2502-08 R92-2521-08	CHIP R CHIP R CHIP R	0 OHM 1.0K G 1/16W 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 FILM C CHIP TAN CHIP C FILM C	100PF 0.033UF 16V 4.7UF 10V 82PF J 0.033UF 16V	
C8 C9 C10 C11 C12		*	CK73GB1H821K C91-1161-08 CC73GCG1H101J CK73GB1E103K CC73GCG1H101J	CHIP C FILM C CHIP C CHIP C CHIP C	820PF K 3300PF 50V 100PF J 0.010UF K 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 R16 ,17			R92-2535-08	CHIP R 82K G 1/16W		
R18			R92-2507-08	CHIP R 120K G 1/16W		
R19			R92-2502-08	CHIP R 1.0K G 1/16W		
IC1			TC4066BF	IC(BILATERAL SWITCH)		
IC2 ,3			NJM3404AM	IC(OP AMP X2)		
IC2 : RX AUDIO (W02-1829-08)						
C1 ,2 C3		*	C93-0585-08	CHIP C 1UF 16V		
C4 ,5 C6 -8 C9		*	C92-0516-05 CK73GB1E103K	CHIP TAN 4.7UF 10V CHIP C 0.010UF K		
		*	C93-0585-08	CHIP C 1UF 16V		
		*	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) TRNSISTOR		
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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