● **CD Player Service Precautions**

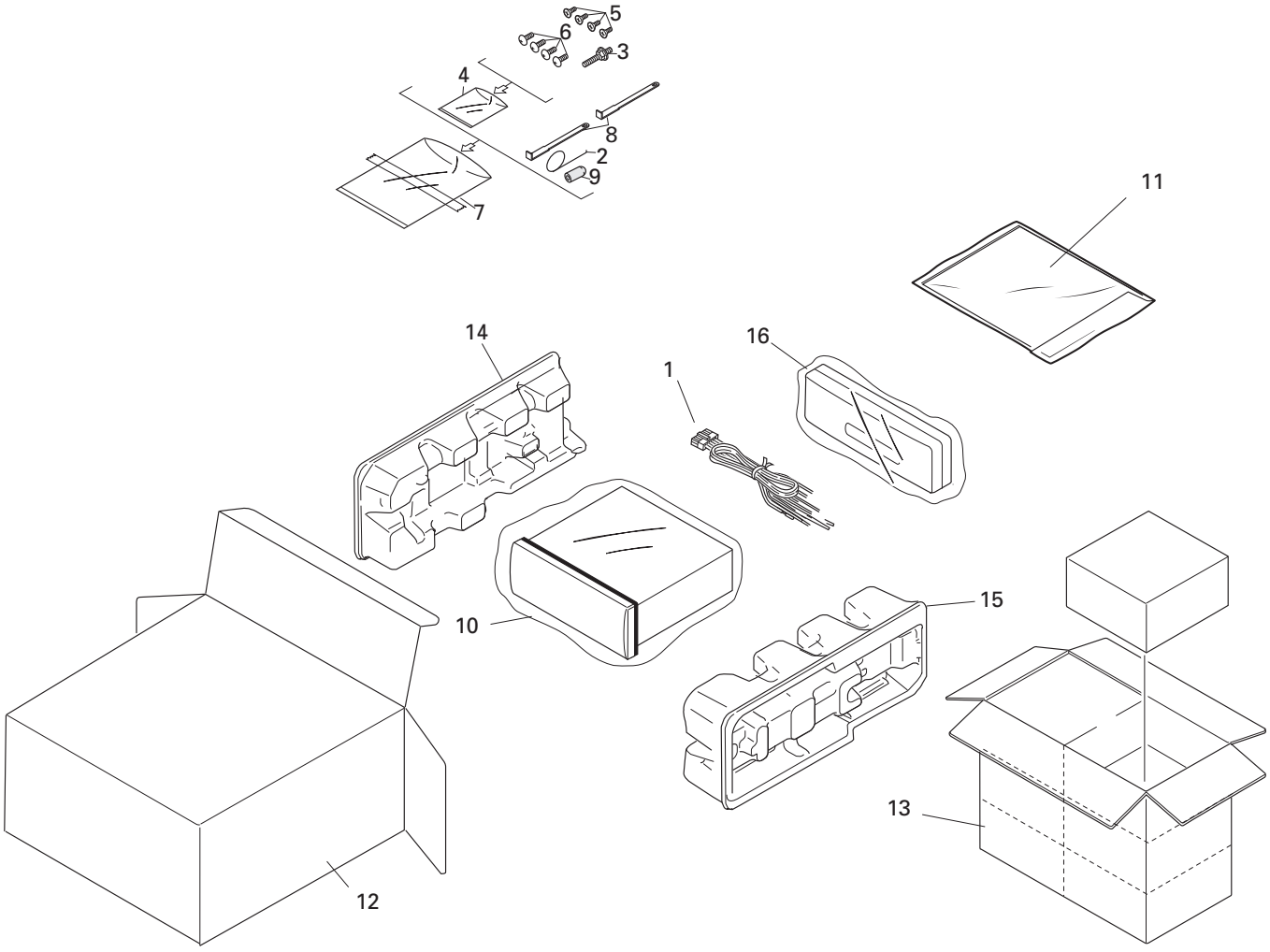
1. For pickup unit(CXX1285) handling, please refer to"Disassembly"(see page 49).
   During replacement, handling precautions shall be taken to prevent an electrostatic discharge(protection by a short pin).
2. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.
3. Please checking the grating after changing the service pickup unit(see page 44).

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty.
If you are not qualified to perform the repair of this product properly and safely; you should not risk trying to do so and refer the repair to a qualified service technician.

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING



NOTE:

● Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

● Screws adjacent to ∇ mark on the product are used for disassembly.

(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Cord Assy	See Contrast table(2)
	2	Spring	CBH1650
	3	Screw	CBA1002
*	4	Polyethylene Bag	CEG-127
	5	Screw	CRZ50P090FMC
	6	Screw	TRZ50P080FMC
*	7	Polyethylene Bag	CEG-158
	8	Handle	CNC5395
	9	Bush	CNV3930
	10	Polyethylene Bag	CEG-162
	11-1	Polyethylene Bag	CEG1116
	11-2	Owner's Manual	CRD3135
	11-3	Installation Manual	CRD3136
	12	Carton	See Contrast table(2)
	13	Contain Box	See Contrast table(2)
	14	Protector	CHP2243
	15	Protector	CHP2244
	16	Case Assy	See Contrast table(2)

(2) CONTRAST TABLE

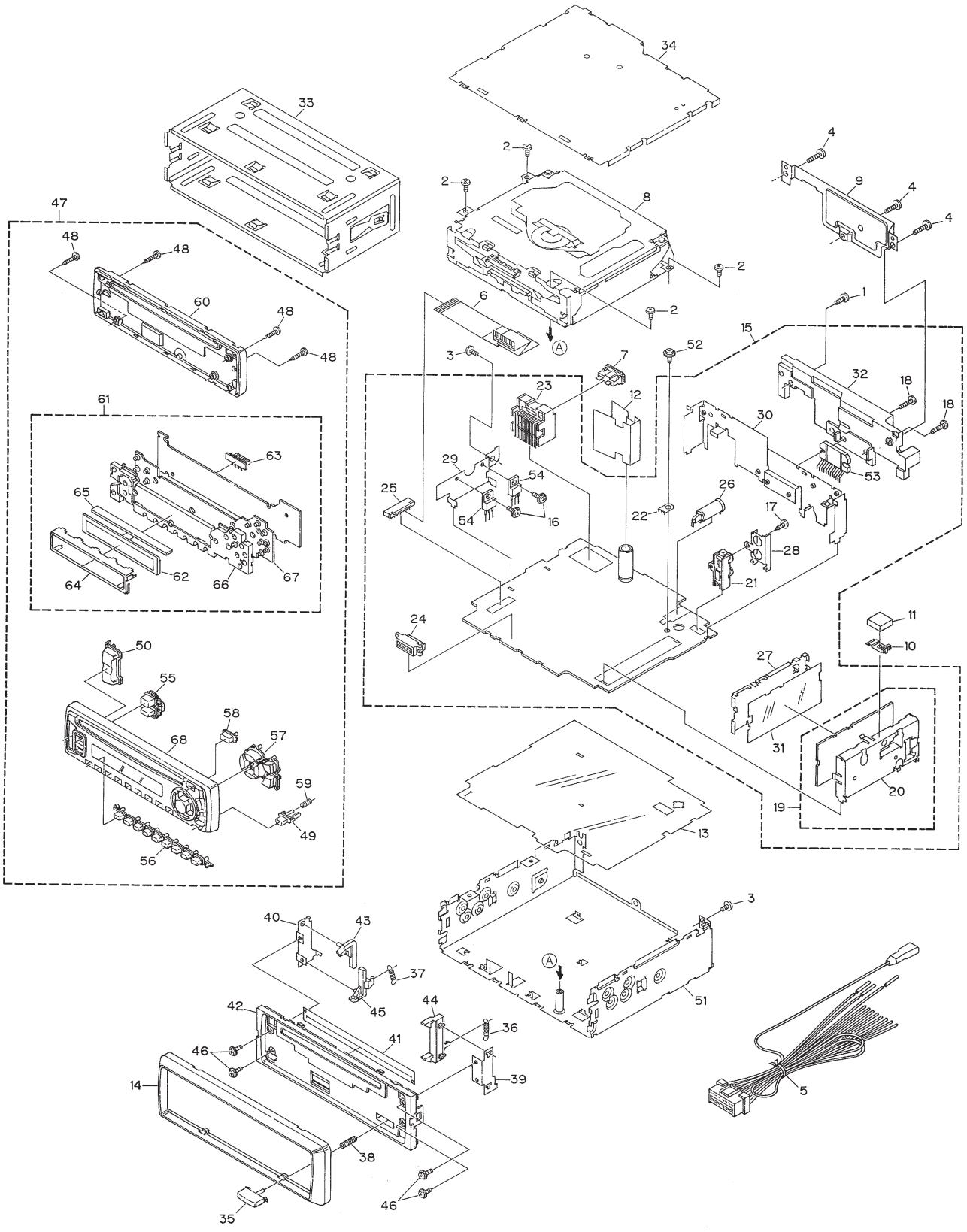
DEH-2150/X1M/ES and DEH-1150/X1M/ES are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.	
		DEH-2150/X1M/ES	DEH-1150/X1M/ES
1	Cord Assy	CDE6125	CDE6124
12	Carton	CHG3952	CHG3955
13	Contain Box	CHL3952	CHL3955
16	Case Assy	CXB3520	Not used

● Owner's Manual, Installation Manual

Model	Part No.	Language
DEH-2150/X1M/ES	CRD3135	English, Spanish, Portuguese(B), Chinese, Arabic
DEH-1150/X1M/ES	CRD3136	

2.2 EXTERIOR


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(1) EXTERIOR SECTION PARTS LIST

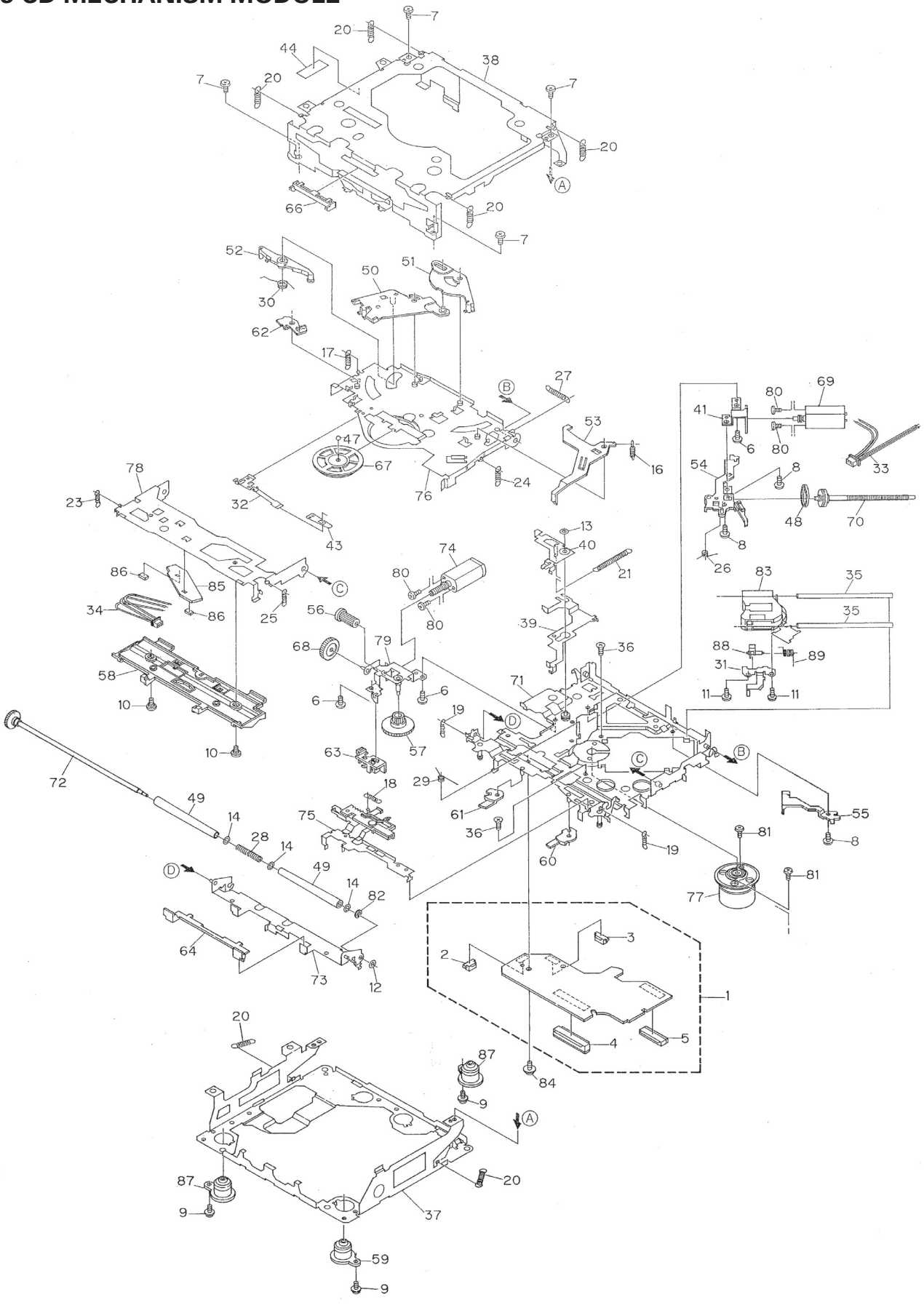
Mark No.	Description	Part No.
1	Screw	BMZ26P120FMC
2	Screw	BSZ26P060FMC
3	Screw	BSZ30P060FMC
4	Screw	BSZ30P120FMC
5	Cord Assy	See Contrast table(2)
6	Cable	CDE6160
7	Fuse(10A)	CEK1136
8	CD Mechanism Module(S8.1)	CXK5203
9	Cover	CNC8367
10	Holder	CNC8884
11	Spacer	CNM4913
12	Insulator	CNM6224
13	Insulator	CNM6386
14	Panel	CNS5132
15	Tuner Amp Assy	See Contrast table(2)
16	Screw	ASZ26P080FMC
17	Screw	See Contrast table(2)
18	Screw	BSZ26P160FMC
19	FM/AM Tuner Unit	CWE1501
20	Holder	CNC7532
21	Pin Jack(CN301)	See Contrast table(2)
22	Terminal(CN403)	CKF1059
23	Connector(CN901)	CKM1299
24	Connector(CN601)	CKS3581
25	Connector(CN605)	CKS3838
26	Antenna Jack(CN402)	CKX1056
27	Holder	CNC7533
28	Holder	See Contrast table(2)
29	Holder	CNC8043
30	Holder	See Contrast table(2)
31	Insulator	CNM5967
32	Heat Sink	CNR1506
33	Holder Unit	CXB2687
34	Case Unit	CXB4033
35	Button	CAC4836
36	Spring	CBH1835
37	Spring	CBH2208
38	Spring	CBH2367
39	Bracket	CNC6791
40	Holder	CNC8042
41	Cover	CNM6276
42	Panel	CNS5355
43	Arm	CNV4692
44	Arm	CNV4728
45	Arm	CNV5576
46	Screw	IMS20P030FZK
47	Detach Grille Assy	See Contrast table(2)
48	Screw	BPZ20P100FZK
49	Button(Detach)	CAC5789
50	Button(+, -)	CAC6273
51	Chassis Unit	See Contrast table(2)
52	Screw	ISS26P055FUC
53	IC(IC302)	See Contrast table(2)
54	Transistor(Q904, 981)	2SD2396
55	Button(Source)	See Contrast table(2)
56	Button(1-6)	CAC6275
57	Button(B, A, Cross)	CAC6276
58	Button(Eject)	CAC6277
59	Spring	CBH2210
60	Cover	CNS5772
61	Keyboard Unit	CWM6777
62	LCD(LCD1801)	CAW1560
63	Connector(CN1801)	CKS3580
64	Holder	CNC8517
65	Rubber	CNV5954
66	Lighting Conductor	CNV5965
67	Rubber	CNV5966
68	Grille Unit	See Contrast table(2)

(2) CONTRAST TABLE

DEH-2150/X1M/ES and DEH-1150/X1M/ES are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.	
		DEH-2150/X1M/ES	DEH-1150/X1M/ES
5	Cord Assy	CDE6125	CDE6124
15	Tuner Amp Assy	CWM6767	CWM6770
17	Screw	BPZ26P080FMC	Not used
21	Pin Jack(CN301)	CKB1041	Not used
28	Holder	CNC8041	Not used
30	Holder	CNC8588	CNC8589
47	Detach Grille Assy	CXB4596	CXB4605
51	Chassis Unit	CXB4625	CXB4626
53	IC(IC302)	PAL005A	TDA7384
55	Button(Source)	CAC6274	CAC6495
68	Grille Unit	CXB4616	CXB4617

2.3 CD MECHANISM MODULE



● CD MECHANISM MODULE SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Control Unit	CWX2411
	2	Connector(CN802)	CKS2192
	3	Connector(CN801)	CKS2193
	4	Connector(CN701)	CKS2773
	5	Connector(CN101)	CKS3486
	6	Screw	BMZ20P030FMC
	7	Screw	BSZ20P040FMC
	8	Screw(M2x3)	CBA1077
	9	Screw(M2x5)	EBA1028
	10	Screw	CBA1243
	11	Screw(M2x4)	CBA1362
	12	Washer	CBF1037
	13	Washer	CBF1038
	14	Washer	CBF1060
	15	•••••	
	16	Spring	CBH2079
	17	Spring	CBH2117
	18	Spring	CBH2314
	19	Spring	CBH2110
	20	Spring	CBH2282
	21	Spring	CBH2318
	22	•••••	
	23	Spring	CBH2324
	24	Spring	CBH2118
	25	Spring	CBH2161
	26	Spring	CBH2163
	27	Spring	CBH2189
	28	Spring	CBH2249
	29	Spring	CBH2260
	30	Spring	CBH2262
	31	Bracket	CNC8568
	32	Spring	CBL1369
	33	Connector	CDE5531
	34	Connector	CDE5532
	35	Shaft	CLA3304
	36	Screw(M2.6x6)	CBA1458
	37	Frame	CNC8565
	38	Frame	CNC8749
	39	Lever	CNC7546
	40	Arm	CNC8663
	41	Bracket	CNC8567
	42	•••••	
	43	Spacer	CNM3315
	44	Sheet	CNM6659
	45	•••••	
	46	•••••	
	47	Ball	CNR1189
	48	Belt	CNT1086
	49	Roller	CNV4509
	50	Arm	CNV6037
	51	Arm	CNV5247
	52	Arm	CNV5248
	53	Arm	CNV5249
	54	Guide	CNV5254
	55	Guide	CNV5255
	56	Gear	CNV5257
	57	Gear	CNV5256
	58	Guide	CNV6176
	59	Damper	CNV6174
	60	Arm	CNV6096
	61	Arm	CNV6031
	62	Arm	CNV6211
	63	Guide	CNV6012
	64	Guide	CNV5510
	65	•••••	
	66	Guide	CNV5751
	67	Clamper	CNV6013
	68	Gear	CNV5813
	69	Motor Unit(M1)	CXB2190
	70	Screw Unit	CXB4726
	71	Chassis Unit	CXB4797
	72	Gear Unit	CXB4728
	73	Arm Unit	CXB4729
	74	Motor Unit(M2)	CXB2195
	75	Lever Unit	CXB4730
	76	Arm Unit	CXB4731
	77	Motor Unit(M3)	CXB2562
	78	Arm Unit	CXB4732
	79	Bracket Unit	CXB4795
	80	Screw	JFZ20P025FMC
	81	Screw	JGZ17P025FZK
	82	Washer	YE20FUC
	83	Pickup Unit(Service)(P8)	CXX1285
	84	Screw	IMS26P030FMC
*	85	PCB	CNX2982
	86	Photo-transistor(Q1, 2)	CPT230SX-TU
	87	Damper	CNV6175
	88	Rack	CNV6014
	89	Spring	CBH2315

5. ELECTRICAL PARTS LIST

NOTES:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

A Unit Number : CWM6767(DEH-2150)
Unit Name : Tuner Amp Assy

MISCELLANEOUS

=====Circuit Symbol and No.		===Part Name	Part No.
IC	301	IC	SN761029DL
IC	302	IC	PAL005A
IC	601	IC	PE5091A
IC	602	IC	S-80834ANY
IC	801	IC	M62415FP
Q	346	Transistor	RN1610
Q	351	Transistor	DTC114EK
Q	353	Transistor	DTA124EK
Q	411	Transistor	2SC2412K
Q	650	Transistor	2SA1037K
Q	901	Transistor	2SC2412K
Q	902	Transistor	2SC2412K
Q	903	Transistor	2SD1859
Q	904	Transistor	2SD2396
Q	905	Transistor	2SB1243
Q	906	Transistor	DTC114EK
Q	981	Transistor	2SD2396
Q	982	Transistor	RN46A1
D	650	Diode	1SS270
D	651	Diode	1SS270
D	652	Diode	1SS270
D	653	Diode	1SS270
D	654	Diode	1SS270
D	655	Diode	1SS270
D	901	Diode	HZS7L(C2)
D	902	Diode	S5688G
D	903	Diode	S5688G
D	904	Diode	HZS7L(A1)
D	905	Diode	S5688G
D	906	Diode	HZS6L(B2)
D	907	Diode	HZS9L(B3)
D	941	Diode	S5688G
D	942	Diode	S5688G
D	981	Diode	HZS9L(B1)
L	401	Ferri-Inductor	LAU4R7K
L	402	Ferri-Inductor	LAU2R2K
L	403	Inductor	LAU100K
L	610	Ferri-Inductor	LAU101K
L	611	Ferri-Inductor	LAU2R2K
L	650	Ferri-Inductor	LAU2R2K
L	901	Choke Coil 600µH	CTH1221
TH	601	Thermistor	CCX1031
X	610	Crystal Resonator 4.194304MHz	CSS1023
AR	946	Arrester	DSP-201M-S00B
		FM/AM Tuner Unit	CWE1501

RESISTORS

=====Circuit Symbol and No.		===Part Name	Part No.
R	310		RD1/4PU222J
R	311		RD1/4PU222J
R	312		RS1/10S272J
R	313		RS1/10S272J
R	314		RS1/10S151J
R	315		RS1/10S151J
R	318		RD1/4PU104J
R	319		RD1/4PU104J
R	320		RS1/10S121J
R	321		RS1/10S101J
R	322		RS1/10S101J
R	342		RS1/8S821J
R	343		RS1/8S821J
R	344		RS1/10S223J
R	345		RS1/10S223J
R	352		RS1/10S103J
R	353		RS1/10S103J
R	354		RS1/10S331J
R	360		RD1/4PU153J
R	411		RS1/10S681J
R	412		RS1/10S681J
R	413		RS1/10S681J
R	414		RS1/10S103J
R	415		RS1/8S681J
R	416		RD1/4PU473J
R	417		RD1/4PU472J
R	418		RS1/10S473J
R	419		RS1/10S473J
R	420		RS1/10S473J
R	421		RS1/10S473J
R	422		RS1/10S473J
R	423		RS1/10S681J
R	424		RS1/10S681J
R	425		RS1/10S393J
R	427		RS1/10S222J
R	428		RS1/10S222J
R	460		RS1/10S272J
R	461		RS1/10S272J
R	464		RS1/10S162J
R	465		RS1/10S162J
R	468		RS1/10S0R0J
R	469		RS1/10S0R0J
R	610		RD1/4PU393J
R	611		RS1/10S183J
R	614		RS1/8S0R0J
R	619		RS1/10S682J
R	620		RN1/10SE2202D
R	622		RD1/4PU222J
R	623		RD1/4PU222J
R	624		RS1/10S473J

=====Circuit Symbol and No.		===Part Name	Part No.
R	625		RS1/10S473J
R	626		RS1/10S473J
R	627		RD1/4PU473J
R	628		RD1/4PU222J
R	629		RS1/10S473J
R	630		RS1/10S822J
R	649		RS1/8S222J
R	650		RS1/8S222J
R	651		RS1/8S222J
R	652		RS1/8S472J
R	653		RD1/4PU222J
R	654		RS1/10S473J
R	655		RS1/10S103J
R	656		RS1/10S103J
R	657		RD1/4PU102J
R	658		RD1/4PU102J
R	660		RS1/10S1R0J
R	681		RD1/4PU681J
R	682		RS1/10S102J
R	683		RD1/4PU102J
R	684		RS1/10S102J
R	699		RS1/10S0R0J
R	725		RS1/10S0R0J
R	801		RS1/10S511J
R	802		RS1/10S511J
R	803		RS1/10S512J
R	804		RS1/10S512J
R	805		RD1/4PU102J
R	806		RD1/4PU102J
R	807		RD1/4PU102J
R	808		RD1/4PU102J
R	810		RS1/10S121J
R	901		RS1/10S473J
R	902		RD1/4PU103J
R	903		RD1/4PU103J
R	904		RS1/10S473J
R	905		RS1/10S102J
R	906		RS1/10S473J
R	907		RS1/10S473J
R	908		RS1/10S472J
R	909		RD1/4PU103J
R	911		RS1/10S122J
R	912		RD1/4PU103J
R	914		RD1/4PU152J
R	916		RS1/10S221J
R	918		RS1/10S1R0J
R	981		RS1/10S472J
R	982		RS1/10S222J
R	983		RD1/4PU221J
R	984		RD1/4PU221J

CAPACITORS

C	310		CKSQYB105K16
C	311		CKSQYB104K16
C	312		CEJA2R2M50
C	313		CKSQYB105K16
C	314		CKSYB104K16
C	315		CKSQYB102K50
C	316		CKSQYB102K50
C	317		CEJA100M16
C	318		CEJA100M16
C	319		CKSQYB822K50
C	320		CKSQYB822K50
C	321		CEAL1R0M50
C	322		CEJA1R0M50
C	323		CKSQYB183K50
C	324		CKSQYB183K50
C	325		CKSQYB104K16
C	326		CKSQYB104K16
C	327		CKSQYB104K16
C	328		CKSQYB104K16
C	329		CEJA2R2M50
C	330		CEJA4R7M50
C	332		CKSQYB473K16
C	333		CKSQYB104K16
C	334		CKSQYB104K16
C	335		CEAL470M10
C	340		CEAL2R2M50
C	341		CEJA2R2M50
C	350		CEJA330M10
C	361		CEJA2R2M50
C	362		CKSYB225K16
C	363		CEJA100M16
C	364		CKSYB474K16
C	365		CKSQYB474K16
C	366		CKSYB474K16
C	367		CKSQYB474K16
C	368		CKSQYB474K16
C	369		CKSYB474K16
C	370		CKSQYB474K16
C	371		CKSYB474K16
C	372		CKSQYB225K10
C	373		CKSQYB473K16
C	390		CKSQYB104K16
C	391	4700µF/16V	CCH1367
C	411		CKSQYB223K25
C	412		CKSQYB223K25
C	413		CKSQYB102K50
C	414		CEJA220M10
C	415		CKSQYB473K16
C	416		CEAL101M10
C	417		CKSQYB472K50
C	462		CKSQYB183K25
C	463		CKSQYB183K25
C	490		CKSQYB103K50
C	499		CKSQYB103K50
C	611		CKSQYB104K16
C	612		CEJA4R7M35
C	613		CKSQYB473K16
C	614		CKSQYB102K50
C	628		CCSQCH150J50
C	629		CCSQCH150J50
C	630		CKSQYB473K16
C	631		CEAL2R2M50
C	650		CKSQYB104K16
C	801		CKSQYB225K10
C	802		CKSQYB225K10
C	803		CEAL4R7M50
C	804		CEJA4R7M50
C	805		CKSQYB152K50
C	806		CKSQYB152K50
C	807		CKSQYB473K16
C	808		CKSQYB473K16
C	809		CKSQYB474K16
C	810		CKSQYB474K16
C	811		CCSQCH330J50
C	812		CCSQCH330J50
C	813		CKSQYB471K50
C	814		CKSQYB471K50
C	815		CKSQYB682K50
C	816		CKSQYB682K50
C	901		CEJA101M10

Circuit Symbol and No.		Part Name	Part No.
C	902		CKSQYB473K16
C	903	470µF/16V	CCH1331
C	904		CKSQYB473K16
C	905	330µF/16V	CCH1326
C	906		CKSQYB103K50
C	907		CEJA101M16
C	941		CKSQYB473K16
C	981		CEJA101M10
C	982		CKSQYB102K50
C	983		CKSQYB473K16

A Unit Number : CWM6770(DEH-1150)
Unit Name : Tuner Amp Assy

MISCELLANEOUS

IC	301	IC	SN761029DL
IC	302	IC	TDA7384
IC	601	IC	PE5091A
IC	602	IC	S-80834ANY
Q	351	Transistor	DTC114EK
Q	411	Transistor	2SC2412K
Q	650	Transistor	2SA1037K
Q	901	Transistor	2SC2412K
Q	902	Transistor	2SC2412K
Q	903	Transistor	2SD1859
Q	904	Transistor	2SD2396
Q	905	Transistor	2SB1243
Q	906	Transistor	DTC114EK
Q	941	Transistor	2SB1243
Q	942	Transistor	DTC114EK
Q	981	Transistor	2SD2396
Q	982	Transistor	RN46A1
D	650	Diode	1SS270
D	651	Diode	1SS270
D	652	Diode	1SS270
D	653	Diode	1SS270
D	654	Diode	1SS270
D	655	Diode	1SS270
D	901	Diode	HZS7L(C2)
D	902	Diode	S5688G
D	903	Diode	S5688G
D	904	Diode	HZS7L(A1)
D	905	Diode	S5688G
D	906	Diode	HZS6L(B2)
D	907	Diode	HZS9L(B3)
D	941	Diode	S5688G
D	942	Diode	S5688G
D	981	Diode	HZS9L(B1)
L	401	Ferri-Inductor	LAU4R7K
L	402	Ferri-Inductor	LAU2R2K
L	403	Inductor	LAU100K
L	610	Ferri-Inductor	LAU101K
L	611	Ferri-Inductor	LAU2R2K
L	650	Ferri-Inductor	LAU2R2K
L	901	Choke Coil 600µH	CTH1221
TH	601	Thermistor	CCX1031
X	610	Crystal Resonator 4.194304MHz	CSS1023
AR	946	Arrester	DSP-201M-S00B
		FM/AM Tuner Unit	CWE1501

RESISTORS

R	310		RD1/4PU222J
R	311		RD1/4PU222J
R	312		RS1/10S272J
R	313		RS1/10S272J
R	314		RS1/10S151J
R	315		RS1/10S151J
R	316		RS1/10S0R0J
R	317		RS1/10S121J
R	318		RD1/4PU104J
R	319		RD1/4PU104J
R	320		RS1/10S121J
R	321		RS1/10S101J
R	322		RS1/10S101J
R	352		RS1/10S103J
R	353		RS1/10S103J
R	354		RS1/10S331J
R	360		RD1/4PU153J
R	411		RS1/10S681J
R	412		RS1/10S681J
R	413		RS1/10S681J
R	414		RS1/10S103J
R	415		RS1/8S681J
R	416		RD1/4PU473J
R	417		RD1/4PU472J
R	418		RS1/10S473J
R	419		RS1/10S473J
R	420		RS1/10S473J
R	421		RS1/10S473J
R	422		RS1/10S473J
R	423		RS1/10S681J
R	424		RS1/10S681J
R	425		RS1/10S393J
R	427		RS1/10S222J
R	428		RS1/10S222J
R	460		RS1/10S272J
R	461		RS1/10S272J
R	464		RS1/10S162J
R	465		RS1/10S162J
R	468		RS1/10S0R0J
R	469		RS1/10S0R0J
R	610		RD1/4PU102J
R	614		RS1/8S0R0J
R	619		RS1/10S682J
R	620		RN1/10SE2202D
R	622		RD1/4PU222J
R	623		RD1/4PU222J
R	624		RS1/10S473J
R	625		RS1/10S473J
R	626		RS1/10S473J
R	627		RD1/4PU473J
R	628		RD1/4PU222J
R	629		RS1/10S473J
R	630		RS1/10S822J
R	649		RS1/8S222J
R	650		RS1/8S222J
R	651		RS1/8S222J
R	652		RS1/8S472J
R	653		RD1/4PU222J
R	654		RS1/10S473J
R	655		RS1/10S103J
R	656		RS1/10S103J
R	657		RD1/4PU102J
R	658		RD1/4PU102J
R	660		RS1/10S1R0J
R	681		RD1/4PU681J
R	682		RS1/10S102J
R	683		RD1/4PU102J
R	684		RS1/10S102J
R	699		RS1/10S0R0J
R	725		RS1/10S0R0J

=====Circuit Symbol and No.		===Part Name	Part No.
R	901		RS1/10S473J
R	902		RD1/4PU103J
R	903		RD1/4PU103J
R	904		RS1/10S473J
R	905		RS1/10S102J
R	906		RS1/10S473J
R	907		RS1/10S473J
R	908		RS1/10S472J
R	909		RD1/4PU103J
R	911		RS1/10S122J
R	912		RD1/4PU103J
R	914		RD1/4PU152J
R	916		RS1/10S221J
R	918		RS1/10S1R0J
R	941		RD1/4PU472J
R	942		RD1/4PU152J
R	981		RS1/10S472J
R	982		RS1/10S222J
R	983		RD1/4PU221J
R	984		RD1/4PU221J

CAPACITORS

C	310		CKSQYB105K16
C	311		CKSQYB104K16
C	312		CEJA2R2M50
C	313		CKSQYB105K16
C	314		CKSYB104K16
C	315		CKSQYB102K50
C	316		CKSQYB102K50
C	317		CEJA100M16
C	318		CEJA100M16
C	319		CKSQYB822K50
C	320		CKSQYB822K50
C	321		CEAL1R0M50
C	322		CEJA1R0M50
C	323		CKSQYB183K50
C	324		CKSQYB183K50
C	325		CKSQYB104K16
C	326		CKSQYB104K16
C	327		CKSQYB104K16
C	328		CKSQYB104K16
C	329		CEJA2R2M50
C	330		CEJA4R7M50
C	332		CKSQYB473K16
C	333		CKSQYB104K16
C	334		CKSQYB104K16
C	335		CEAL470M10
C	350		CEJA330M10
C	361		CEJA2R2M50
C	362		CKSYB225K16
C	363		CEJA100M16
C	364		CKSYB474K16
C	365		CKSQYB474K16
C	366		CKSYB474K16
C	367		CKSQYB474K16
C	368		CKSQYB474K16
C	369		CKSYB474K16
C	370		CKSQYB474K16
C	371		CKSYB474K16
C	372		CKSQYB225K10
C	390		CKSQYB104K16
C	391	3300µF/16V	CCH1368
C	411		CKSQYB223K25
C	412		CKSQYB223K25
C	413		CKSQYB102K50
C	414		CEJA220M10
C	415		CKSQYB473K16

=====Circuit Symbol and No.		===Part Name	Part No.
C	416		CEAL101M10
C	417		CKSQYB472K50
C	462		CKSQYB183K25
C	463		CKSQYB183K25
C	490		CKSQYB103K50
C	499		CKSQYB103K50
C	611		CKSQYB104K16
C	612		CEJA4R7M35
C	613		CKSQYB473K16
C	614		CKSQYB102K50
C	628		CCSQCH150J50
C	629		CCSQCH150J50
C	630		CKSQYB473K16
C	631		CEAL2R2M50
C	650		CKSQYB104K16
C	901		CEJA101M10
C	902		CKSQYB473K16
C	903	470µF/16V	CCH1331
C	904		CKSQYB473K16
C	905	330µF/16V	CCH1326
C	906		CKSQYB103K50
C	907		CEJA101M16
C	941		CKSQYB473K16
C	981		CEJA101M10
C	982		CKSQYB102K50
C	983		CKSQYB473K16

B Unit Number : CWE1501
Unit Name : FM/AM Tuner Unit

MISCELLANEOUS

IC	1	IC	PML002A
IC	2	IC	PM4008A
IC	3	IC	BR9010FV
Q	1	Transistor	2SC4081
Q	2	Transistor	DTC124EU
Q	3	FET	3SK263
Q	51	Transistor	2SC4081
Q	201	FET	2SK932
Q	202	Transistor	DTC124EU
Q	204	Transistor	2SC4081
D	1	Diode	KV1410(23)
D	2	Diode	1SV248
D	6	Diode	KV1410(23)
D	201	Diode	DAN217U
D	202	Diode	DAN217U
D	903	Diode	KV1410(23)
D	904	Diode	SVC253
L	1	Coil	CTC1155
L	3	Inductor	LCTB1R5K2125
L	4	Coil	CTC1155
L	201	Inductor	LCTB330K1608
L	202	Inductor	CTF1287
L	203	Inductor	LCTA121J3225
L	901	Coil	CTC1154
L	902	Inductor	LCTA3R3J3225
L	904	Inductor	LCTBR47K1608
L	905	Inductor	LCTBR47K1608
T	51	Coil	CTE1132
CF	51	Ceramic Filter	CTF1442
CF	52	Ceramic Filter	CTF1442
CF	53	Ceramic Filter	CTF1442
CF	202	Ceramic Filter	CTF1348
X	901	Crystal Resonator 10.250MHz	CSS1432

Circuit Symbol and No.	Part Name	Part No.
RESISTORS		
R 1		RS1/16S183J
R 2		RS1/16S103J
R 5		RS1/16S0R0J
R 7		RS1/16S273J
R 8		RS1/16S473J
R 9		RS1/16S223J
R 10		RS1/16S473J
R 11		RS1/16S221J
R 12		RS1/16S103J
R 13		RS1/16S104J
R 16		RS1/16S223J
R 17		RS1/16S221J
R 18		RS1/16S221J
R 19		RS1/16S473J
R 20		RS1/16S470J
R 31		RS1/16S0R0J
R 51		RS1/16S470J
R 52		RS1/16S103J
R 53		RS1/16S103J
R 54		RS1/16S331J
R 55		RS1/16S331J
R 56		RS1/16S560J
R 57		RS1/16S560J
R 58		RS1/16S102J
R 59		RS1/16S225J
R 60		RS1/16S133J
R 61		RS1/16S433J
R 101		RS1/16S333J
R 102		RS1/16S103J
R 103		RS1/16S333J
R 104		RS1/16S562J
R 106		RS1/16S0R0J
R 108		RS1/16S0R0J
R 110		RS1/16S154J
R 111		RS1/16S273J
R 113		RS1/16S222J
R 114		RS1/16S333J
R 115		RS1/16S334J
R 116		RS1/16S473J
R 202		RS1/16S472J
R 203		RS1/16S225J
R 204		RS1/16S102J
R 205		RS1/16S220J
R 206		RS1/16S471J
R 208		RS1/16S104J
R 209		RS1/16S104J
R 210		RS1/16S563J
R 213		RS1/16S223J
R 251		RS1/16S225J
R 902		RS1/16S103J
R 904		RS1/16S473J
R 907		RS1/16S103J
R 908		RS1/16S681J
R 909		RS1/16S473J
R 914		RS1/16S562J
CAPACITORS		
C 1		CCSQCH4R0C50
C 6		CKSQYB105K10
C 8		CKSRYB222K50
C 10		CCSRCH220J50
C 11		CCSRCH150J50
C 12		CCSRCH8R0D50
C 14		CCSRCJ3R0C50
C 15		CKSRYB103K50
C 16		CKSRYB222K50
C 17		CKSRYB222K50
C 18		CCSRCJ3R0C50
C 19		CKSRYB103K50
C 20		CKSRYB103K50
C 21		CKSRYB103K50
C 24		CKSQYB334K16
C 26		CKSRYB472K50
C 30		CCSRCH220J50
C 32		CCSRCH470J50
C 35		CKSRYB103K50
C 51		CKSRYB103K50
C 52		CKSRYB473K16
C 53		CCSRCK2R0C50
C 54		CKSRYB103K50
C 55		CKSRYB104K16
C 56		CKSRYB104K16
C 58		CKSQYB224K16
C 101		CEALNP100M10
C 102		CCSRCH151J50
C 103		CKSRYB473K16
C 105		CKSRYB682K25
C 106		CEALR68M50
C 107		CKSRYB103K50
C 108		CKSQYB474K16
C 109		CKSQYB474K16
C 110		CKSRYB104K16
C 111		CKSRYB104K16
C 112		CKSRYB104K16
C 113		CKSRYB123K25
C 114		CEAL220M6R3
C 115		CKSRYB473K16
C 116		CEAL2R2M50
C 117		CKSRYB102K50
C 120		CKSRYB183K25
C 121		CKSRYB332K50
C 122		CKSRYB562K25
C 123		CKSRYB681K50
C 125		CKSRYB103K50
C 126		CKSRYB103K50
C 127		CEAL2R2M50
C 128		CKSRYB103K50
C 201		CCSRCH471J50
C 202		CCSRCH100D50
C 203		CKSRYB104K16
C 204		CKSRYB332K50
C 205		CKSRYB103K50
C 206		CKSRYB104K16
C 207		CKSRYB473K16
C 208		CCSRCH560J50
C 209		CEAL470M6R3
C 210		CKSRYB103K50
C 211		CKSRYB103K50
C 212		CCSRCH101J50
C 215		CKSRYB223K25
C 216		CKSQYB334K16
C 217		CKSRYB103K50
C 219		CKSQYB105K10
C 220		CKSRYB104K16
C 221		CKSRYB473K16
C 222		CKSQYB334K16
C 223		CKSQYB474K16
C 224		CKSRYB104K16
C 225		CKSRYB272K50
C 226		CKSRYB682K25
C 902		CCSRCH270J50
C 904		CKSRYB223K25

=====Circuit Symbol and No.		===Part Name	Part No.
C	905		CKSRYB103K50
C	906		CCSRTH100D50
C	907		CCSRTH150J50
C	909		CCSRTH100D50
C	910		CKSRYB332K50
C	912		CKSQYB474K16
C	913		CKSRYB223K25
C	914		CKSRYB682K25
C	915		CKSQYB223K25
C	916		CKSQYB474K16
C	917		CKSYB475K10
C	918		CKSRYB223K25
C	919		CKSQYB225K10
C	920		CCSRCH270J50
C	921		CCSRCH270J50
C	922		CKSYB105K16
C	923		CKSRYB103K50

C Unit Number : CWM6777
Unit Name : Keyboard Unit

MISCELLANEOUS

IC	1801	IC	PD6293A
D	1801	Diode	MA152WK
D	1802	Diode	MA152WA
X	1801	Ceramic Resonator 4.97MHz	CSS1422
IL	1801	Lamp 14V 40mA	CEL1547
IL	1802	Lamp 14V 40mA	CEL1547
IL	1803	Lamp 14V 40mA	CEL1547
IL	1804	Lamp 14V 40mA	CEL1547
LCD	1801	LCD	CAW1560

RESISTORS

R	1801		RS1/8S222J
R	1802		RS1/8S222J
R	1803		RS1/10S471J
R	1804		RS1/10S471J
R	1805		RS1/10S471J
R	1806		RS1/10S471J

CAPACITORS

C	1801		CKSQYB103K25

D Unit Number : CWX2411
Unit Name : Control Unit

MISCELLANEOUS

IC	201	IC	UPD63711GC
IC	301	IC	BA5985FM
IC	701	IC	BA05SFP
Q	101	Transistor	2SB1132
D	801	LED	CL200IRX
D	802	LED	CL200IRX
X	201	Ceramic Oscillator 16.934MHz	CSS1456
S	801	Spring Switch(HOME)	CSN1051
S	802	Spring Switch(CLAMP)	CSN1052

RESISTORS

R	101		RS1/8S120J
R	102		RS1/8S100J
R	103		RS1/16S222J
R	201		RS1/16S104J
R	202		RS1/16S103J
R	203		RS1/16S393J
R	204		RS1/16S103J
R	205		RS1/16S103J
R	206		RS1/16S182J
R	207		RS1/16S123J

=====Circuit Symbol and No.		===Part Name	Part No.
R	302		RS1/16S153J
R	303		RS1/16S103J
R	501		RS1/16S102J
R	502		RA4C681J
R	601		RS1/16S102J
R	602		RS1/16S102J
R	605		RS1/16S0R0J
R	606		RS1/16S0R0J
R	801		RS1/8S751J
R	803		RS1/8S751J
R	902		RS1/16S0R0J
R	906		RS1/16S0R0J

CAPACITORS

C	101		CCSRCH102J25
C	102		CKSRYB104K16
C	103		CEV101M6R3
C	104		CEV470M6R3
C	105		CKSQYB334K16
C	106		CKSQYB334K16
C	107		CKSQYB334K16
C	201		CKSRYB104K16
C	202		CKSRYB471K50
C	203		CKSRYB104K16
C	205		CEV101M6R3
C	206		CKSRYB104K16
C	207		CKSRYB104K16
C	208		CKSRYB104K16
C	209		CKSRYB104K16
C	210		CKSRYB332K50
C	211		CKSRYB104K16
C	212		CKSRYB104K16
C	213		CKSRYB392K50
C	214		CKSRYB104K16
C	215		CKSRYB104K16
C	216		CCSRCJ3R0C50
C	217		CCSRCH270J50
C	218		CKSRYB104K16
C	219		CCSRCH181J50
C	220		CCSRCH510J50
C	221		CKSRYB682K25
C	222		CEV220M6R3
C	223		CKSRYB103K25
C	224		CKSRYB224K10
C	301		CEV101M10
C	603		CCSQSL152J50
C	604		CCSQSL152J50
C	702	10µF/10V	CCH1349
C	703		CKSQYB334K16

E Unit Number :
Unit Name : Photo Unit(S8)

Q	1	Photo-transistor	CPT230SX-TU
Q	2	Photo-transistor	CPT230SX-TU

Miscellaneous Parts List

		Pickup Unit(Service)(P8)	CXX1285
M	1	Motor Unit(CARRIAGE)	CXB2190
M	2	Motor Unit(LOADING)	CXB2195
M	3	Motor Unit(SPINDLE)	CXB2562
		Fuse(10A)	CEK1136