

● CD Player Service Precautions

1. For pickup unit(CXX1285) handling, please refer to "Disassembly"(see page 43).
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 check the grating after changing the service pickup unit(see page 38).

1. SAFETY INFORMATION

CAUTION

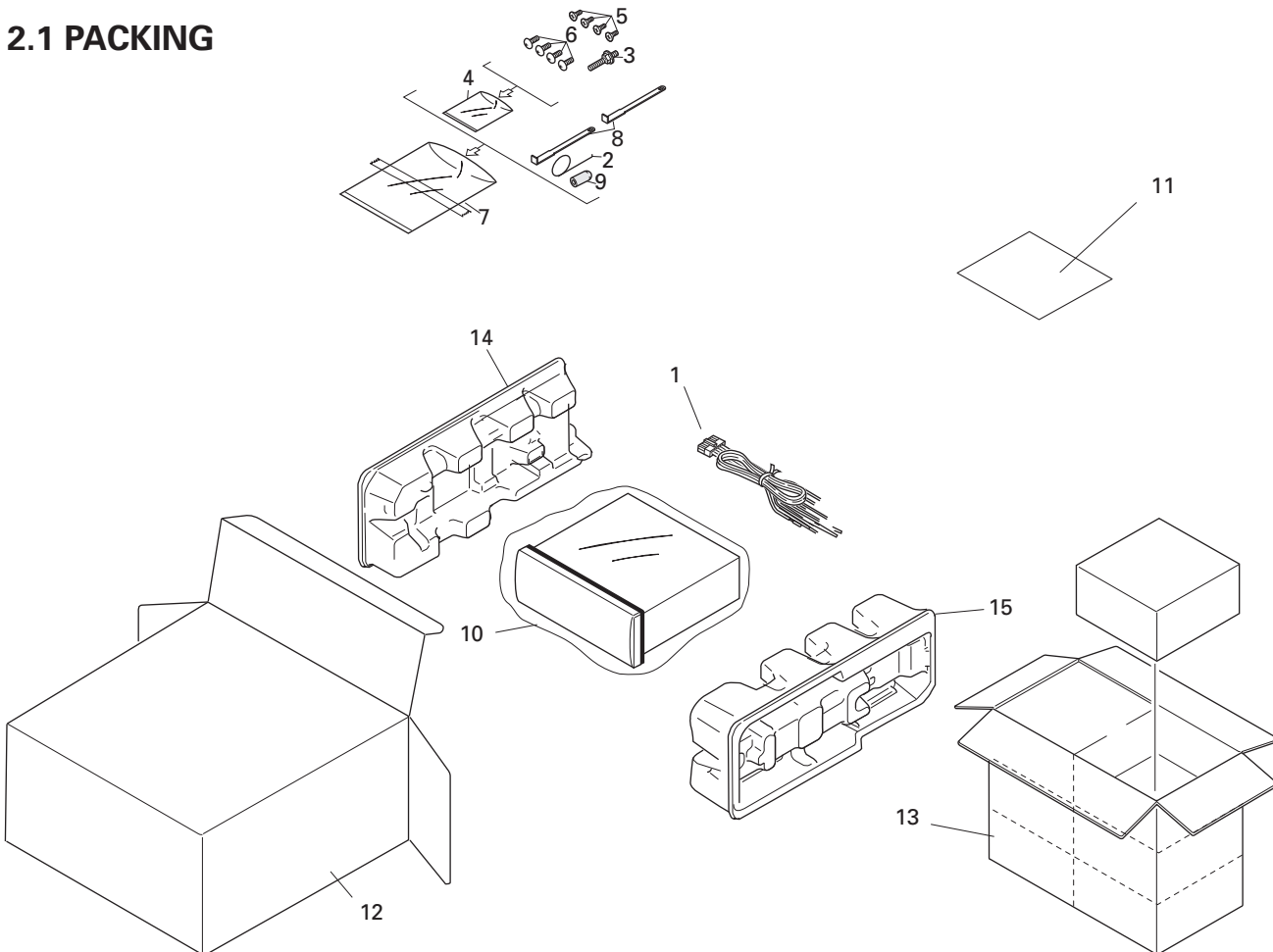
This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly 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.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

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.	Mark No.	Description	Part No.
	1 Cord Assy	CDE6468	11-1	*****	
	2 Spring	CBH1650	11-2	Owner's Manual	CRD3279
	3 Screw	CBA1002	11-3	Installation Manual	CRD3280
*	4 Polyethylene Bag	CEG-127	* 11-4	Card	ARY1048
	5 Screw	CRZ50P090FMC	12	Carton	See Contrast table(2)
	6 Screw	TRZ50P080FMC	13	Contain Box	See Contrast table(2)
*	7 Polyethylene Bag	CEG-158	14	Protector	CHP2346
	8 Handle	CNC5395	15	Protector	CHP2347
	9 Bush	CNV3930			
	10 Polyethylene Bag	CEG1173			

(2) CONTRAST TABLE

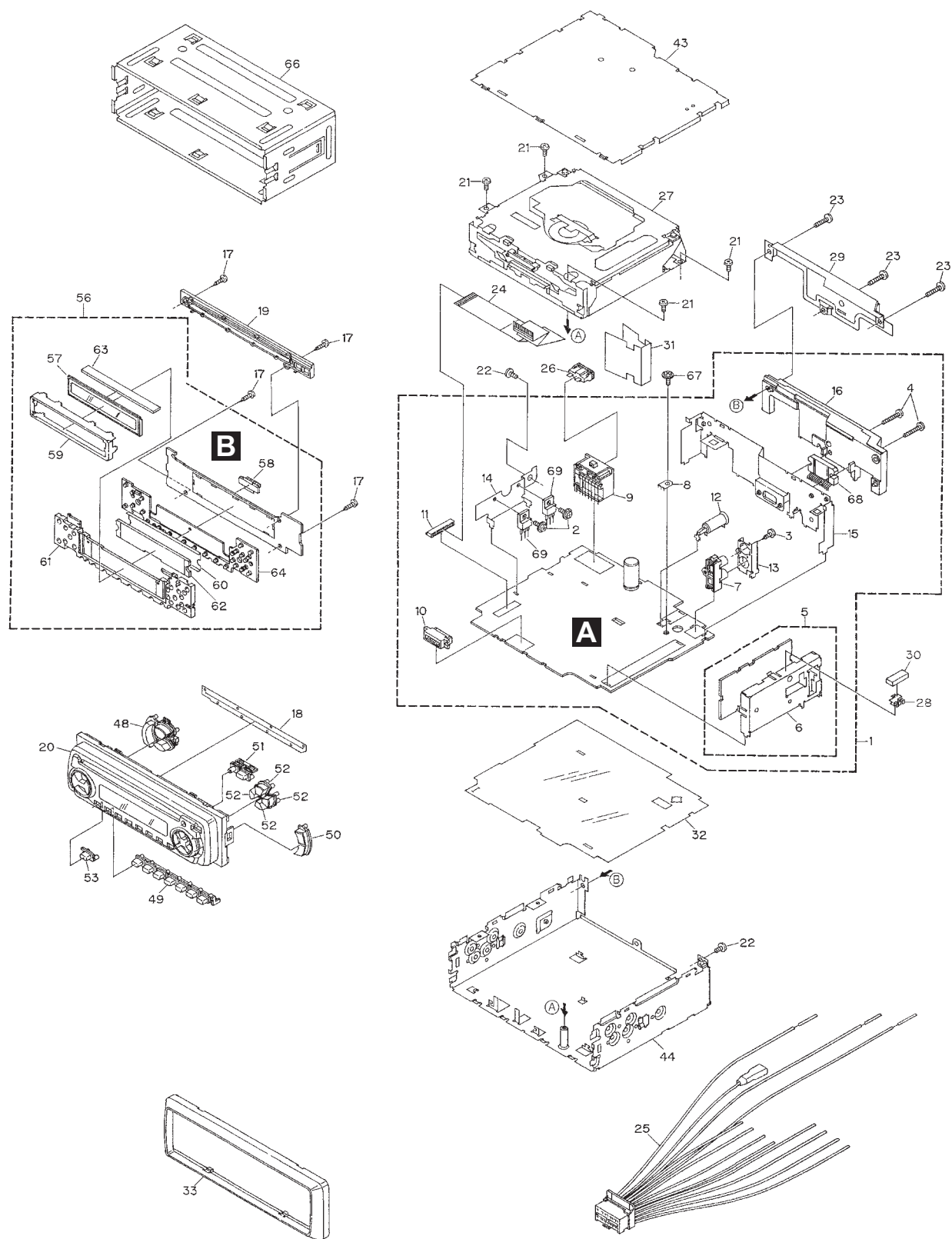
DEH-1300/X1M/UC and DEH-12/X1M/UC are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.	
		DEH-1300/X1M/UC	DEH-12/X1M/UC
12	Carton	CHG4160	CHG4161
13	Contain Box	CHL4160	CHL4161

● Owner's Manual, Installation Manual

Model	Part No.	Language
DEH-1300/X1M/UC	CRD3279	English, French, Spanish
DEH-12/X1M/UC	CRD3280	

2.2 EXTERIOR



(1) EXTERIOR SECTION PARTS LIST

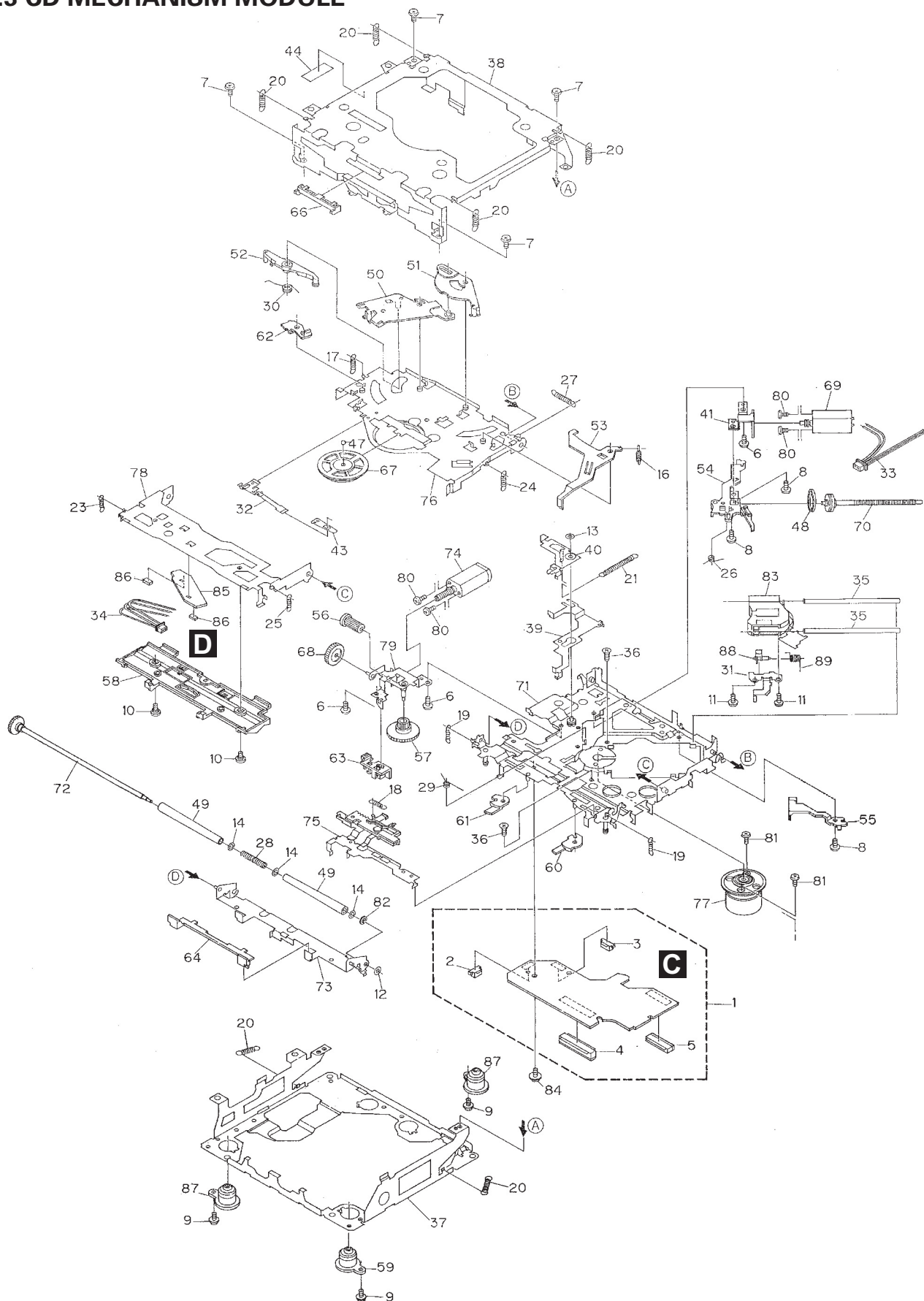
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Tuner Amp Unit	CWM7296	44	Chassis Unit	CXB4625
2	Screw	ASZ26P080FMC	45-47	.....	
3	Screw	BPZ26P080FMC	48	Button(+/-, EQ, LD)	CAC6821
4	Screw	BSZ26P160FMC	49	Button(1-6, CLK)	CAC6822
5	FM/AM Tuner Unit	CWE1563	50	Button(A, B)	CAC6823
6	Holder	CNC8815	51	Button(EJECT/BSM)	CAC6824
7	Pin Jack(CN301)	CKB1041	52	Button(CROSS)	CAC6825
8	Terminal(CN403)	CKF1059	53	Button(SOURCE)	CAC6851
9	Plug(CN901)	CKM1330	54, 55	.....	
10	Connector(CN601)	CKS3581	56	Keyboard Unit	See Contrast table(2)
11	Connector(CN605)	CKS3838	57	LCD	CAW1633
12	Antenna Jack(CN402)	CKX1056	58	Connector(CN1801)	CKS3580
13	Holder	CNC8041	59	Holder	CNC9078
14	Holder	CNC8043	60	Sheet	CNM7057
15	Holder	CNC9128	61	Lighting Conductor	CNV6475
16	Heat Sink	CNR1589	62	Lighting Conductor	CNV6476
17	Screw	BPZ20P080FZK	63	Rubber	CNV6477
18	Cover	CNM6975	64	Rubber	CNV6478
19	Holder	CNV6479	65	.....	
20	Grille Unit	See Contrast table(2)	66	Holder Unit	CXB6681
21	Screw	BSZ26P060FMC	67	Screw	ISS26P055FUC
22	Screw	BSZ30P060FMC	68	IC(IC302)	TDA7386
23	Screw	BSZ30P120FMC	69	Transistor(Q904, 981)	2SD2396
24	Cable	CDE6160			
25	Cord Assy	CDE6468			
26	Fuse(10A)	CEK1136			
27	CD Mechanism Module(S8.1)	CXK5203			
28	Holder	CNC5704			
29	Cover	CNC9127			
30	Cushion	CNM5210			
31	Insulator	CNM6224			
32	Insulator	CNM6386			
33	Panel	CNS6344			
34-42	.....				
43	Case Unit	CXB4033			

(2) CONTRAST TABLE

DEH-1300/X1M/UC and DEH-12/X1M/UC are constructed the same except for the following:

Mark No.	Symbol and Description	Part No.	
		DEH-1300/X1M/UC	DEH-12/X1M/UC
20	Grille Unit	CXB7188	CXB7189
56	Keyboard Unit	CWM7310	CWM7309

2.3 CD MECHANISM MODULE



● CD MECHANISM MODULE SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Control Unit	CWX2411	46	.....	
2	Connector(CN802)	CKS2192	47	Ball	CNR1189
3	Connector(CN801)	CKS2193	48	Belt	CNT1086
4	Connector(CN701)	CKS2773	49	Roller	CNV4509
5	Connector(CN101)	CKS3486	50	Arm	CNV6037
6	Screw	BMZ20P030FMC	51	Arm	CNV5247
7	Screw	BSZ20P040FMC	52	Arm	CNV5248
8	Screw(M2x3)	CBA1077	53	Arm	CNV5249
9	Screw(M2x5)	EBA1028	54	Guide	CNV5254
10	Screw	CBA1243	55	Guide	CNV5255
11	Screw(M2x4)	CBA1362	56	Gear	CNV5257
12	Washer	CBF1037	57	Gear	CNV5256
13	Washer	CBF1038	58	Guide	CNV6272
14	Washer	CBF1060	59	Damper	CNV6174
15	.....		60	Arm	CNV6096
16	Spring	CBH2079	61	Arm	CNV6031
17	Spring	CBH2117	62	Arm	CNV6211
18	Spring	CBH2314	63	Guide	CNV6012
19	Spring	CBH2110	64	Guide	CNV5510
20	Spring	CBH2282	65	.....	
21	Spring	CBH2318	66	Guide	CNV5751
22	.....		67	Clamper	CNV6013
23	Spring	CBH2324	68	Gear	CNV5813
24	Spring	CBH2118	69	Motor Unit(M1)	CXB2190
25	Spring	CBH2161	70	Screw Unit	CXB5892
26	Spring	CBH2163	71	Chassis Unit	CXB4797
27	Spring	CBH2189	72	Gear Unit	CXB4728
28	Spring	CBH2377	73	Arm Unit	CXB5753
29	Spring	CBH2260	74	Motor Unit(M2)	CXB2195
30	Spring	CBH2262	75	Lever Unit	CXB4730
31	Bracket	CNC8568	76	Arm Unit	CXB4731
32	Spring	CBL1369	77	Motor Unit(M3)	CXB2562
33	Connector	CDE5531	78	Arm Unit	CXB4732
34	Connector	CDE5532	79	Bracket Unit	CXB4795
35	Shaft	CLA3894	80	Screw	JFZ20P025FMC
36	Screw(M2.6x6)	CBA1458	81	Screw	JGZ17P025FZK
37	Frame	CNC8565	82	Washer	YE20FUC
38	Frame	CNC8749	83	Pickup Unit(Service)(P8)	CXX1285
39	Lever	CNC9265	84	Screw	IMS26P030FMC
40	Arm	CNC8663	* 85	PCB	CNX2982
41	Bracket	CNC8567	86	Photo-transistor(Q1, 2)	CPT230SX-TU
42	.....		87	Damper	CNV6175
43	Spacer	CNM3315	88	Rack	CNV6014
44	Sheet	CNM6659	89	Spring	CBH2315
45	.....				

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.....

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
A Unit Number : CWM7296		R 335	RS1/16S221J
Unit Name : Tuner Amp Unit		R 342	RS1/16S681J
MISCELLANEOUS		R 343	RS1/16S681J
IC 301 IC	PML003AM	R 344	RS1/16S223J
IC 302 IC	TDA7386	R 345	RS1/16S223J
IC 601 IC	PE5196A	R 346	RS1/16S0R0J
IC 602 IC	S-80834ANY	R 351	RS1/16S102J
IC 970 IC	TPD1018F	R 352	RS1/16S103J
		R 353	RS1/16S103J
		R 354	RS1/16S331J
Q 346 Transistor	RN1610	R 360	RD1/4PU153J
Q 350 Transistor	DTA124EK	R 411	RS1/16S681J
Q 351 Transistor	DTC114EK	R 412	RS1/16S681J
Q 353 Transistor	DTA124EK	R 413	RS1/16S681J
Q 411 Transistor	2SC2412K	R 414	RS1/16S103J
Q 650 Transistor	2SA1037K	R 415	RS1/16S681J
Q 901 Transistor	2SC2412K	R 416	RD1/4PU473J
Q 902 Transistor	2SC2412K	R 417	RD1/4PU472J
Q 903 Transistor	2SD1859	R 418	RS1/16S473J
Q 904 Transistor	2SD2396	R 419	RS1/16S473J
Q 905 Transistor	2SB1243	R 420	RS1/16S473J
Q 906 Transistor	DTC114EK	R 421	RS1/16S473J
Q 920 Transistor	RN46A1	R 422	RS1/16S473J
Q 981 Transistor	2SD2396	R 423	RS1/16S681J
Q 982 Transistor	RN46A1	R 424	RS1/16S681J
D 901 Diode	HZS7L(C2)	R 425	RS1/16S393J
D 902 Diode	S5688G	R 427	RS1/16S222J
D 903 Diode	S5688G	R 428	RS1/16S222J
D 904 Diode	HZS7L(A1)	R 460	RS1/16S272J
D 905 Diode	S5688G	R 461	RS1/16S272J
D 906 Diode	HZS6L(B2)	R 464	RS1/16S162J
D 907 Diode	HZS9L(B3)	R 465	RS1/16S162J
D 941 Diode	S5688G	R 468	RS1/16S0R0J
D 942 Diode	S5688G	R 469	RS1/16S0R0J
D 981 Diode	HZS9L(B1)	R 610	RD1/4PU822J
L 310 Ferri-Inductor	LAU1R0M	R 611	RS1/16S473J
L 401 Ferri-Inductor	LAU4R7K	R 619	RS1/16S0R0J
L 402 Ferri-Inductor	LAU2R2K	R 620	RS1/16S223J
L 403 Inductor	LAU100K	R 622	RD1/4PU222J
L 610 Ferri-Inductor	LAU101K	R 623	RD1/4PU222J
L 611 Ferri-Inductor	LAU2R2K	R 624	RS1/16S473J
L 650 Ferri-Inductor	LAU2R2K	R 625	RS1/16S473J
L 901 Choke Coil 600μH	CTH1221	R 626	RS1/16S473J
X 610 Crystal Resonator 4.194304MHz	CSS1023	R 627	RS1/16S473J
AR 946 Arrester	DSP-201M-S00B	R 628	RD1/4PU222J
FM/AM Tuner Unit	CWE1563	R 629	RS1/16S473J
RESISTORS		R 630	RS1/16S822J
R 310	RD1/4PU222J	R 631	RD1/4PU102J
R 311	RD1/4PU222J	R 649	RS1/16S222J
R 332	RS1/16S221J	R 650	RD1/4PU222J
R 333	RS1/16S221J	R 651	RD1/4PU222J
R 334	RS1/16S221J	R 655	RS1/16S103J
		R 656	RS1/16S103J
		R 657	RD1/4PU102J
		R 658	RD1/4PU102J

	====Circuit Symbol and No.===Part Name	Part No.		====Circuit Symbol and No.==Part Name	Part No.
R 659		RD1/4PU0R0J	C 412		CKSRYB223K25
R 660		RS1/16S1R0J	C 413		CKSRYB102K50
R 681		RD1/4PU681J	C 414		CEJA220M10
R 682		RS1/16S102J	C 415		CKSRYB473K16
R 683		RS1/16S102J	C 416		CEAL101M10
R 684		RS1/16S102J	C 417		CKSRYB472K50
R 901		RS1/16S104J	C 419		CCSRCH101J50
R 902		RD1/4PU104J	C 420		CCSRCH101J50
R 903		RD1/4PU103J	C 462		CKSRYB183K25
R 904		RS1/16S473J	C 463		CKSRYB183K25
R 905		RD1/4PU102J	C 490		CKSQYB103K50
R 906		RS1/16S473J	C 499		CKSRYB103K50
R 907		RS1/16S473J	C 612		CEJA4R7M35
R 908		RS1/16S472J	C 613		CKSRYB473K16
R 909		RD1/4PU103J	C 614		CCSRCH101J50
R 910		RS1/16S0R0J	C 628		CCSRCH150J50
R 911		RS1/16S122J	C 629		CCSRCH150J50
R 912		RD1/4PU103J	C 630		CKSRYB473K16
R 913		RS1/16S101J	C 631		CEAL2R2M50
R 914		RD1/4PU152J	C 650		CKSRYB104K16
R 916		RS1/16S221J	C 901		CEJA101M10
R 918		RS1/16S1R0J	C 902		CKSRYB473K16
R 944		RD1/4PU152J	C 903	470μF/16V	CCH1331
R 971		RS1/16S103J	C 904		CKSRYB473K16
R 981		RS1/16S472J	C 905	330μF/16V	CCH1326
R 982		RS1/16S222J	C 906		CKSRYB103K50
R 983		RD1/4PU221J	C 907		CEJA101M16
R 984		RD1/4PU221J	C 941		CKSRYB473K16
			C 971		CKSRYB103K50
			C 972		CKSRYB473K16
CAPACITORS					
C 310		CKSRYB105K6R3	C 981		CEJA101M10
C 311		CKSRYB104K16	C 982		CKSRYB102K50
C 313		CKSRYB105K6R3	C 983		CKSRYB473K16
C 314		CKSRYB104K16			
C 315		CKSRYB102K50			
C 316		CKSRYB102K50			
C 330		CEJA470M10			
C 331		CEJA100M16			
C 332		CKSRYB104K16			
C 333		CEJA4R7M35			
C 334		CEJA4R7M35			
C 336		CKSRYB153K25			
C 337		CKSRYB153K25			
C 340		CEAL2R2M50			
C 341		CEJA2R2M50			
C 346		CCSRCH100D50			
C 347		CCSRCH100D50			
C 348		CCSRCH100D50			
C 349		CCSRCH100D50			
C 350		CEJA330M10			
C 361		CEJA2R2M50			
C 362		CKSQYB225K10			
C 363		CEJA100M16			
C 364		CKSQYB474K16			
C 365		CKSQYB474K16			
C 366		CKSQYB474K16			
C 367		CKSQYB474K16			
C 368		CKSQYB474K16			
C 369		CKSQYB474K16			
C 370		CKSQYB474K16			
C 371		CKSQYB474K16			
C 372		CKSQYB225K10			
C 390		CKSRYB104K16			
C 391	3300μF/16V	CCH1368			
C 411		CKSRYB223K25			

====Circuit Symbol and No.====Part Name Part No.

R	1711	RS1/16S181J
R	1712	RS1/16S151J
R	1713	RS1/16S131J
R	1801	RS1/16S222J
R	1802	RS1/16S222J

R	1803	RS1/16S471J
R	1804	RS1/16S471J
R	1805	RS1/16S471J
R	1806	RS1/16S471J

CAPACITORS

C	1801	CKSRYB103K50
C	1811	CKSQYF104Z25
C	1812	CKSQYF104Z25

B Unit Number : CWM7309(DEH-12/X1M/UC)
Unit Name : Keyboard Unit

MISCELLANEOUS

IC	1801	IC	PD6340A
D	1701	LED	SML210DT
D	1702	LED	SML210DT
D	1703	LED	SML210DT
D	1704	LED	SML210DT

D	1705	LED	SML210DT
D	1706	LED	SML210DT
D	1707	LED	SML210DT
D	1708	LED	SML210DT
D	1811	LED	NSSW440-9159

D	1812	LED	NSSW440-9159
X	1801	Ceramic Resonator 4.97MHz	CSS1422
IL	1801	Lamp 14V 40mA	CEL1638
IL	1802	Lamp 14V 40mA	CEL1638
		LCD	CAW1633

RESISTORS

R	1701	RS1/16S151J
R	1702	RS1/16S181J
R	1703	RS1/16S181J
R	1704	RS1/16S181J
R	1705	RS1/16S181J

R	1706	RS1/16S151J
R	1707	RS1/16S151J
R	1708	RS1/16S181J
R	1709	RS1/16S181J
R	1710	RS1/16S181J

R	1711	RS1/16S181J
R	1712	RS1/16S181J
R	1713	RS1/16S131J
R	1801	RS1/16S222J
R	1802	RS1/16S222J

R	1803	RS1/16S471J
R	1804	RS1/16S471J
R	1805	RS1/16S471J
R	1806	RS1/16S471J

CAPACITORS

C	1801	CKSRYB103K50
C	1811	CKSQYF104Z25
C	1812	CKSQYF104Z25

====Circuit Symbol and No.====Part Name Part No.

C 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	CL203IRXTU

D	802	LED	CL203IRXTU
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

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	CKSRYB102K50
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

====Circuit Symbol and No.====		Part Name	Part No.
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

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

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

Miscellaneous Parts List

M	1	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