

● 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

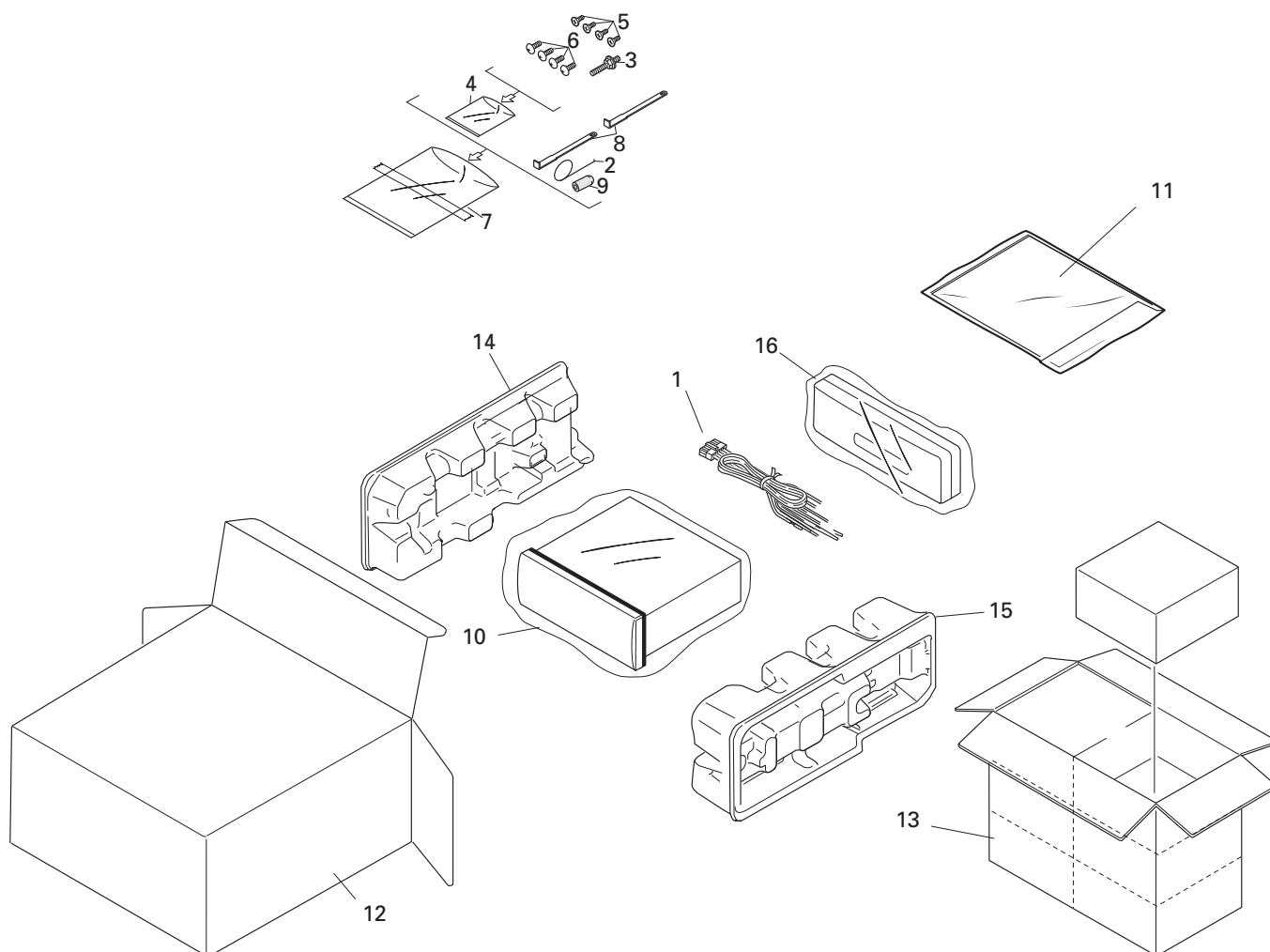
This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.

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

(2) CONTRAST TABLE

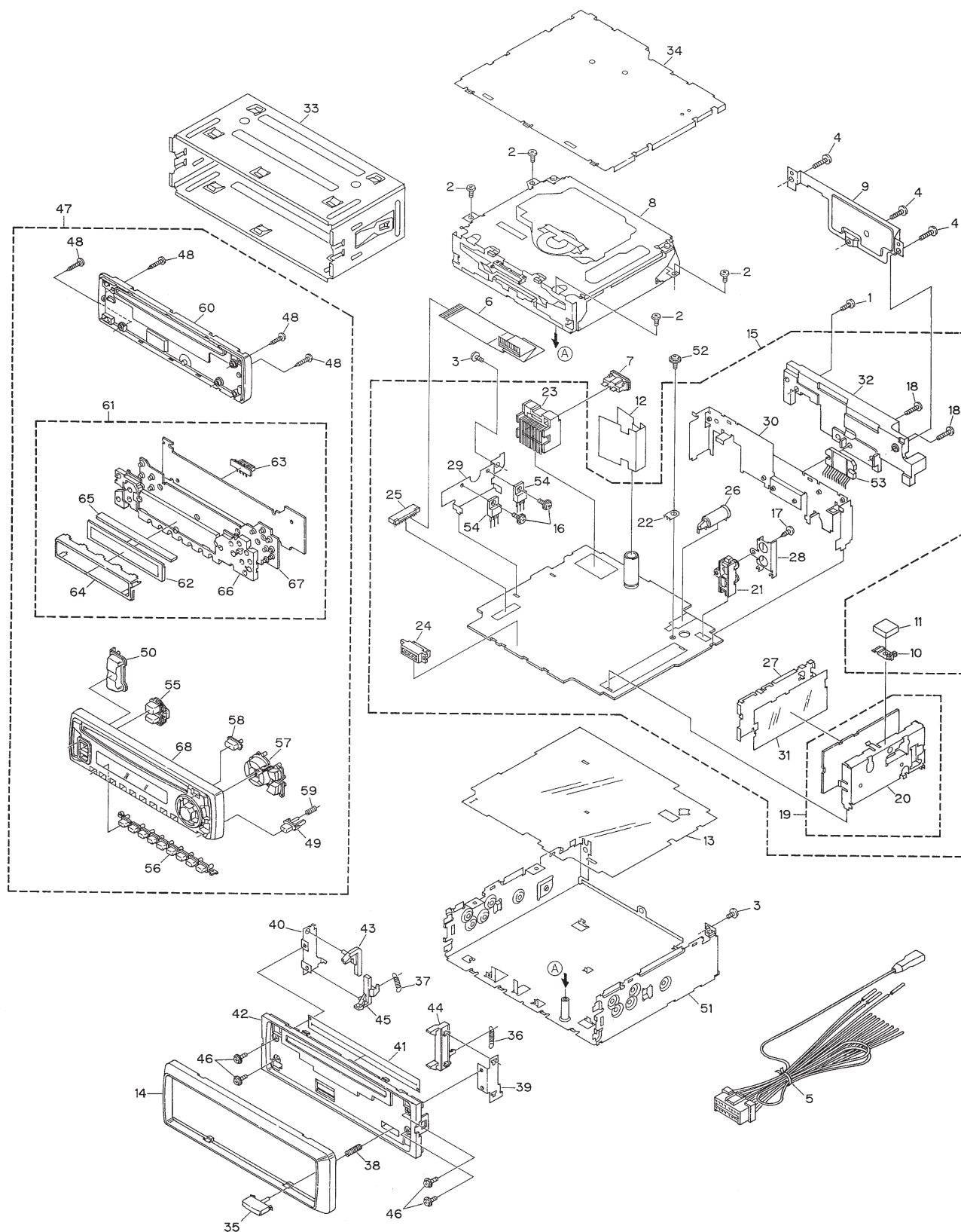
DEH-2150/X1M/ES and DEH-1150/X1M/ES are constructed the same except for the following:

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



(1) EXTERIOR SECTION PARTS LIST

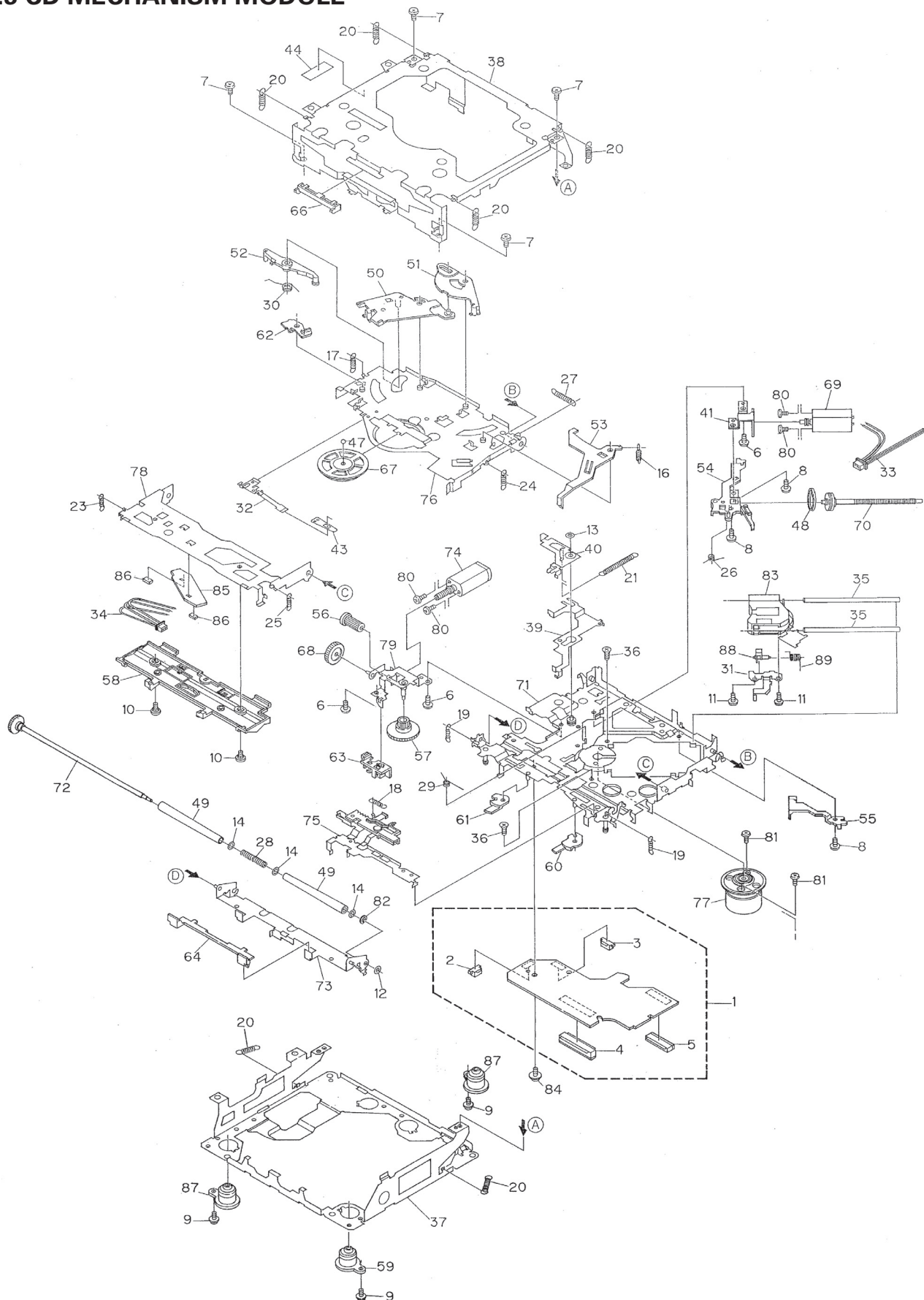
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BMZ26P120FMC	36	Spring	CBH1835
2	Screw	BSZ26P060FMC	37	Spring	CBH2208
3	Screw	BSZ30P060FMC	38	Spring	CBH2367
4	Screw	BSZ30P120FMC	39	Bracket	CNC6791
5	Cord Assy	See Contrast table(2)	40	Holder	CNC8042
6	Cable	CDE6160	41	Cover	CNM6276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

(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.	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	CNV6176
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	CXB4726
26	Spring	CBH2163	71	Chassis Unit	CXB4797
27	Spring	CBH2189	72	Gear Unit	CXB4728
28	Spring	CBH2249	73	Arm Unit	CXB4729
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	CLA3304	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	CNC7546	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 : CWM6767(DEH-2150) Unit Name : Tuner Amp Assy		RESISTORS	
MISCELLANEOUS		R 310	RD1/4PU222J
IC 301 IC	SN761029DL	R 311	RD1/4PU222J
IC 302 IC	PAL005A	R 312	RS1/10S272J
IC 601 IC	PE5091A	R 313	RS1/10S272J
IC 602 IC	S-80834ANY	R 314	RS1/10S151J
IC 801 IC	M62415FP	R 315	RS1/10S151J
Q 346 Transistor	RN1610	R 318	RD1/4PU104J
Q 351 Transistor	DTC114EK	R 319	RD1/4PU104J
Q 353 Transistor	DTA124EK	R 320	RS1/10S121J
Q 411 Transistor	2SC2412K	R 321	RS1/10S101J
Q 650 Transistor	2SA1037K	R 322	RS1/10S101J
Q 901 Transistor	2SC2412K	R 342	RS1/8S821J
Q 902 Transistor	2SC2412K	R 343	RS1/8S821J
Q 903 Transistor	2SD1859	R 344	RS1/10S223J
Q 904 Transistor	2SD2396	R 345	RS1/10S223J
Q 905 Transistor	2SB1243	R 352	RS1/10S103J
Q 906 Transistor	DTC114EK	R 353	RS1/10S103J
Q 981 Transistor	2SD2396	R 354	RS1/10S331J
Q 982 Transistor	RN46A1	R 360	RD1/4PU153J
D 650 Diode	1SS270	R 411	RS1/10S681J
D 651 Diode	1SS270	R 412	RS1/10S681J
D 652 Diode	1SS270	R 413	RS1/10S103J
D 653 Diode	1SS270	R 414	RS1/8S681J
D 654 Diode	1SS270	R 415	RD1/4PU473J
D 655 Diode	1SS270	R 416	
D 901 Diode	HZS7L(C2)	R 417	RD1/4PU472J
D 902 Diode	S5688G	R 418	RS1/10S473J
D 903 Diode	S5688G	R 419	RS1/10S473J
D 904 Diode	HZS7L(A1)	R 420	RS1/10S473J
D 905 Diode	S5688G	R 421	RS1/10S473J
D 906 Diode	HZS6L(B2)	R 422	RS1/10S473J
D 907 Diode	HZS9L(B3)	R 423	RS1/10S681J
D 941 Diode	S5688G	R 424	RS1/10S681J
D 942 Diode	S5688G	R 425	RS1/10S393J
D 981 Diode	HZS9L(B1)	R 427	RS1/10S222J
L 401 Ferri-Inductor	LAU4R7K	R 428	RS1/10S272J
L 402 Ferri-Inductor	LAU2R2K	R 460	RS1/10S272J
L 403 Inductor	LAU100K	R 461	RS1/10S272J
L 610 Ferri-Inductor	LAU101K	R 464	RS1/10S162J
L 611 Ferri-Inductor	LAU2R2K	R 465	RS1/10S162J
L 650 Ferri-Inductor	LAU2R2K	R 468	RS1/10S0R0J
L 901 Choke Coil 600μH	CTH1221	R 469	RS1/10S0R0J
TH 601 Thermistor	CCX1031	R 610	RD1/4PU393J
X 610 Crystal Resonator 4.194304MHz	CSS1023	R 611	RS1/10S183J
AR 946 Arrester	DSP-201M-S00B	R 614	RS1/8S0R0J
FM/AM Tuner Unit	CWE1501	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.	====Circuit Symbol and No.==Part Name	Part No.
R 625	RS1/10S473J	C 325	CKSQYB104K16
R 626	RS1/10S473J	C 326	CKSQYB104K16
R 627	RD1/4PU473J	C 327	CKSQYB104K16
R 628	RD1/4PU222J	C 328	CKSQYB104K16
R 629	RS1/10S473J	C 329	CEJA2R2M50
R 630	RS1/10S822J	C 330	CEJA4R7M50
R 649	RS1/8S222J	C 332	CKSQYB473K16
R 650	RS1/8S222J	C 333	CKSQYB104K16
R 651	RS1/8S222J	C 334	CKSQYB104K16
R 652	RS1/8S472J	C 335	CEAL470M10
R 653	RD1/4PU222J	C 340	CEAL2R2M50
R 654	RS1/10S473J	C 341	CEJA2R2M50
R 655	RS1/10S103J	C 350	CEJA330M10
R 656	RS1/10S103J	C 361	CEJA2R2M50
R 657	RD1/4PU102J	C 362	CKSYB225K16
R 658	RD1/4PU102J	C 363	CEJA100M16
R 660	RS1/10S1R0J	C 364	CKSYB474K16
R 681	RD1/4PU681J	C 365	CKSQYB474K16
R 682	RS1/10S102J	C 366	CKSYB474K16
R 683	RD1/4PU102J	C 367	CKSQYB474K16
R 684	RS1/10S102J	C 368	CKSQYB474K16
R 699	RS1/10S0R0J	C 369	CKSYB474K16
R 725	RS1/10S0R0J	C 370	CKSQYB474K16
R 801	RS1/10S511J	C 371	CKSYB474K16
R 802	RS1/10S511J	C 372	CKSQYB225K10
R 803	RS1/10S512J	C 373	CKSQYB473K16
R 804	RS1/10S512J	C 390	CKSQYB104K16
R 805	RD1/4PU102J	C 391	CCH1367
R 806	RD1/4PU102J	C 411	CKSQYB223K25
R 807	RD1/4PU102J	C 412	CKSQYB223K25
R 808	RD1/4PU102J	C 413	CKSQYB102K50
R 810	RS1/10S121J	C 414	CEJA220M10
R 901	RS1/10S473J	C 415	CKSQYB473K16
R 902	RD1/4PU103J	C 416	CEAL101M10
R 903	RD1/4PU103J	C 417	CKSQYB472K50
R 904	RS1/10S473J	C 462	CKSQYB183K25
R 905	RS1/10S102J	C 463	CKSQYB183K25
R 906	RS1/10S473J	C 490	CKSQYB103K50
R 907	RS1/10S473J	C 499	CKSQYB103K50
R 908	RS1/10S472J	C 611	CKSQYB104K16
R 909	RD1/4PU103J	C 612	CEJA4R7M35
R 911	RS1/10S122J	C 613	CKSQYB473K16
R 912	RD1/4PU103J	C 614	CKSQYB102K50
R 914	RD1/4PU152J	C 628	CCSQCH150J50
R 916	RS1/10S221J	C 629	CCSQCH150J50
R 918	RS1/10S1R0J	C 630	CKSQYB473K16
R 981	RS1/10S472J	C 631	CEAL2R2M50
R 982	RS1/10S222J	C 650	CKSQYB104K16
R 983	RD1/4PU221J	C 801	CKSQYB225K10
R 984	RD1/4PU221J	C 802	CKSQYB225K10
CAPACITORS		C 803	CEAL4R7M50
C 310	CKSQYB105K16	C 804	CEJA4R7M50
C 311	CKSQYB104K16	C 805	CKSQYB152K50
C 312	CEJA2R2M50	C 806	CKSQYB152K50
C 313	CKSQYB105K16	C 807	CKSQYB473K16
C 314	CKSYB104K16	C 808	CKSQYB473K16
C 315	CKSQYB102K50	C 809	CKSQYB474K16
C 316	CKSQYB102K50	C 810	CKSQYB474K16
C 317	CEJA100M16	C 811	CCSQCH330J50
C 318	CEJA100M16	C 812	CCSQCH330J50
C 319	CKSQYB822K50	C 813	CKSQYB471K50
C 320	CKSQYB822K50	C 814	CKSQYB471K50
C 321	CEAL1R0M50	C 815	CKSQYB682K50
C 322	CEJA1R0M50	C 816	CKSQYB682K50
C 323	CKSQYB183K50	C 901	CEJA101M10
C 324	CKSQYB183K50		

DEH-2150,1150

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
C 902	CKSQYB473K16	R 315	RS1/10S151J
C 903 470μF/16V	CCH1331	R 316	RS1/10S0R0J
C 904	CKSQYB473K16	R 317	RS1/10S121J
C 905 330μF/16V	CCH1326	R 318	RD1/4PU104J
C 906	CKSQYB103K50	R 319	RD1/4PU104J
C 907	CEJA101M16	R 320	RS1/10S121J
C 941	CKSQYB473K16	R 321	RS1/10S101J
C 981	CEJA101M10	R 322	RS1/10S101J
C 982	CKSQYB102K50	R 352	RS1/10S103J
C 983	CKSQYB473K16	R 353	RS1/10S103J
A Unit Number : CWM6770(DEH-1150)		R 354	RS1/10S331J
Unit Name : Tuner Amp Assy		R 360	RD1/4PU153J
MISCELLANEOUS		R 411	RS1/10S681J
IC 301 IC	SN761029DL	R 412	RS1/10S681J
IC 302 IC	TDA7384	R 413	RS1/10S681J
IC 601 IC	PE5091A	R 414	RS1/10S103J
IC 602 IC	S-80834ANY	R 415	RS1/8S681J
Q 351 Transistor	DTC114EK	R 416	RD1/4PU473J
		R 417	RD1/4PU472J
		R 418	RS1/10S473J
Q 411 Transistor	2SC2412K	R 419	RS1/10S473J
Q 650 Transistor	2SA1037K	R 420	RS1/10S473J
Q 901 Transistor	2SC2412K	R 421	RS1/10S473J
Q 902 Transistor	2SC2412K	R 422	RS1/10S473J
Q 903 Transistor	2SD1859	R 423	RS1/10S681J
Q 904 Transistor	2SD2396	R 424	RS1/10S681J
Q 905 Transistor	2SB1243	R 425	RS1/10S393J
Q 906 Transistor	DTC114EK	R 427	RS1/10S222J
Q 941 Transistor	2SB1243	R 428	RS1/10S222J
Q 942 Transistor	DTC114EK	R 460	RS1/10S272J
Q 981 Transistor	2SD2396	R 461	RS1/10S272J
Q 982 Transistor	RN46A1	R 464	RS1/10S162J
D 650 Diode	1SS270	R 465	RS1/10S162J
D 651 Diode	1SS270	R 468	RS1/10S0R0J
D 652 Diode	1SS270	R 469	RS1/10S0R0J
D 653 Diode	1SS270	R 610	RD1/4PU102J
D 654 Diode	1SS270	R 614	RS1/8S0R0J
D 655 Diode	1SS270	R 619	RS1/10S682J
D 901 Diode	HZS7L(C2)	R 620	RN1/10SE2202D
D 902 Diode	S5688G	R 622	RD1/4PU222J
D 903 Diode	S5688G	R 623	RD1/4PU222J
D 904 Diode	HZS7L(A1)	R 624	RS1/10S473J
D 905 Diode	S5688G	R 625	RS1/10S473J
D 906 Diode	HZS6L(B2)	R 626	RS1/10S473J
D 907 Diode	HZS9L(B3)	R 627	RD1/4PU473J
D 941 Diode	S5688G	R 628	RD1/4PU222J
D 942 Diode	S5688G	R 629	RS1/10S473J
D 981 Diode	HZS9L(B1)	R 630	RS1/10S822J
L 401 Ferri-Inductor	LAU4R7K	R 649	RS1/8S222J
L 402 Ferri-Inductor	LAU2R2K	R 650	RS1/8S222J
L 403 Inductor	LAU100K	R 651	RS1/8S222J
L 610 Ferri-Inductor	LAU101K	R 652	RS1/8S472J
L 611 Ferri-Inductor	LAU2R2K	R 653	RD1/4PU222J
L 650 Ferri-Inductor	LAU2R2K	R 654	RS1/10S473J
L 901 Choke Coil 600μH	CTH1221	R 655	RS1/10S103J
TH 601 Thermistor	CCX1031	R 656	RS1/10S103J
X 610 Crystal Resonator 4.194304MHz	CSS1023	R 657	RD1/4PU102J
AR 946 Arrester	DSP-201M-S00B	R 658	RD1/4PU102J
FM/AM Tuner Unit	CWE1501	R 660	RS1/10S1R0J
		R 681	RD1/4PU681J
RESISTORS		R 682	RS1/10S102J
R 310	RD1/4PU222J	R 683	RD1/4PU102J
R 311	RD1/4PU222J	R 684	RS1/10S102J
R 312	RS1/10S272J	R 699	RS1/10S0R0J
R 313	RS1/10S272J	R 725	RS1/10S0R0J
R 314	RS1/10S151J		

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
R 901	RS1/10S473J	C 416	CEAL101M10
R 902	RD1/4PU103J	C 417	CKSQYB472K50
R 903	RD1/4PU103J	C 462	CKSQYB183K25
R 904	RS1/10S473J	C 463	CKSQYB183K25
R 905	RS1/10S102J	C 490	CKSQYB103K50
R 906	RS1/10S473J	C 499	CKSQYB103K50
R 907	RS1/10S473J	C 611	CKSQYB104K16
R 908	RS1/10S472J	C 612	CEJA4R7M35
R 909	RD1/4PU103J	C 613	CKSQYB473K16
R 911	RS1/10S122J	C 614	CKSQYB102K50
R 912	RD1/4PU103J	C 628	CCSQCH150J50
R 914	RD1/4PU152J	C 629	CCSQCH150J50
R 916	RS1/10S221J	C 630	CKSQYB473K16
R 918	RS1/10S1R0J	C 631	CEAL2R2M50
R 941	RD1/4PU472J	C 650	CKSQYB104K16
R 942	RD1/4PU152J	C 901	CEJA101M10
R 981	RS1/10S472J	C 902	CKSQYB473K16
R 982	RS1/10S222J	C 903	CCH1331
R 983	RD1/4PU221J	C 904	CKSQYB473K16
R 984	RD1/4PU221J	C 905	CCH1326
CAPACITORS		C 906	CKSQYB103K50
C 310	CKSQYB105K16	C 907	CEJA101M16
C 311	CKSQYB104K16	C 941	CKSQYB473K16
C 312	CEJA2R2M50	C 981	CEJA101M10
C 313	CKSQYB105K16	C 982	CKSQYB102K50
C 314	CKSYB104K16	C 983	CKSQYB473K16
C 315	CKSQYB102K50	B Unit Number : CWE1501 Unit Name : FM/AM Tuner Unit	
C 316	CKSQYB102K50		
C 317	CEJA100M16	MISCELLANEOUS	
C 318	CEJA100M16	IC 1	IC
C 319	CKSQYB822K50	IC 2	IC
C 320	CKSQYB822K50	IC 3	IC
C 321	CEAL1R0M50	Q 1	Transistor
C 322	CEJA1R0M50	Q 2	Transistor
C 323	CKSQYB183K50	Q 3	FET
C 324	CKSQYB183K50	Q 51	Transistor
C 325	CKSQYB104K16	Q 201	FET
C 326	CKSQYB104K16	Q 202	Transistor
C 327	CKSQYB104K16	Q 204	Transistor
C 328	CKSQYB104K16	D 1	Diode
C 329	CEJA2R2M50	D 2	Diode
C 330	CEJA4R7M50	D 6	Diode
C 332	CKSQYB473K16	D 201	Diode
C 333	CKSQYB104K16	D 202	Diode
C 334	CKSQYB104K16	D 903	Diode
C 335	CEAL470M10	D 904	Diode
C 350	CEJA330M10	L 1	Coil
C 361	CEJA2R2M50	L 3	Inductor
C 362	CKSYB225K16	L 4	Coil
C 363	CEJA100M16	L 201	Inductor
C 364	CKSYB474K16	L 202	Inductor
C 365	CKSQYB474K16	L 203	Inductor
C 366	CKSYB474K16	L 901	Coil
C 367	CKSQYB474K16	L 902	Inductor
C 368	CKSQYB474K16	L 904	Inductor
C 369	CKSYB474K16	L 905	Inductor
C 370	CKSQYB474K16	T 51	Coil
C 371	CKSYB474K16	CF 51	Ceramic Filter
C 372	CKSQYB225K10	CF 52	Ceramic Filter
C 390	CKSQYB104K16	CF 53	Ceramic Filter
C 391	CCH1368	CF 202	Ceramic Filter
C 411	CKSQYB223K25	X 901	Crystal Resonator 10.250MHz
C 412	CKSQYB223K25		
C 413	CKSQYB102K50		
C 414	CEJA220M10		
C 415	CKSQYB473K16		

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

====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
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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
C	703	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

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