



XP-V310 Y1S Y1BD
Y1BLT Y1BLL

XP-V311 AEZ1S AEZ1L
AHABS AHRJ1D
AHRJ1S

XP-V312 AEZ1S AK1S

SERVICE MANUAL

POWERED SUBWOOFER

BASIC CD MECHANISM : DA23L

- Replace this Service Manual with "Revision Publishing" when it is issued.

aiwa
S/M Code No. 09-003-339-8T2

SIMPLE
DATA

ELECTRICAL MAIN PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

312KS	.....XX.....	A.....
311AHRJ1S	.....XX.....	B.....
311AHRJ1D	.....XX.....	C.....
312AEZ1S	.....XX.....	D.....
310Y1BLL	.....XX.....	E.....
311AEZ1L	.....XX.....	F.....
311AHABS	.....XX.....	G.....
310Y1S	.....XX.....	H.....
311AEZ1S	.....XX.....	I.....
310Y1BD	.....XX.....	J.....
310Y1BLT	.....XX.....	K.....

					KANRI						
REF.NO	PARTS NO.	NO.	DESCRIPTION			SUFFIX					
C	804	87-010-178-080	0E	CHIP CAP 1000P		ABCDEFGHIJKL.....					
C	803	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	802	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	808	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	807	87-010-319-080	0E	C-CAP,S 56P-50 CH		ABCDEFGHIJKL.....					
C	806	87-010-319-080	0E	C-CAP,S 56P-50 CH		ABCDEFGHIJKL.....					
C	805	87-010-322-080	0E	C-CAP,S 100P-50 CH		ABCDEFGHIJKL.....					
C	801	87-010-501-040	0E	E/CAP GAS 47-4		ABCDEFGHIJKL.....					
D	801	87-A40-469-080	0E	C-DIODE,HSM2838CTR		ABCDEFGHIJKL.....					
IC	801	8A-HC7-607-010	1H	C-IC,UPD789406AGC-014-8BT		ABCDEFGHIJKL.....					
L	802	87-A50-455-080	1E	C-COIL,47UH-FSLB2520		ABCDEFGHIJKL.....					
L	801	87-A50-501-080	1B	C-COIL,10UH-FSLB2520		ABCDEFGHIJKL.....					
LCD	101	8A-HC7-602-010	1C	LCD,AHC-7		ABCDEFGHIJKL.....					
S	801	87-A91-622-010	0E	SW,MICRO PV1102		ABCDEFGHIJKL.....					
S	802	87-A91-742-010		SW,SL 4-1-3 HSW2061-010010		ABCDEFGHIJKL.....					
D	502	87-A40-469-080	0E	C-DIODE,HSM2838CTR		ABCDEFGHIJKL.....					
D	501	87-A40-554-040	0E	C-DIODE,RB491D		ABCDEFGHIJKL.....					
D	503	87-A40-836-040	0E	C-ZENER,HZM6.2NB1		ABCDEFGHIJKL.....					
Q	503	86-NFZ-667-040	0E	C-TR,DTC123JKA		ABCDEFGHIJKL.....					
Q	502	87-A30-246-040	0E	C-TR,2SA1037AK		ABCDEFGHIJKL.....					
Q	501	89-211-323-080	1A	C-TR,2SB1132R		ABCDEFGHIJKL.....					
Q	505	89-324-123-080	0E	C-TR,2SC2412K S		ABCDEFGHIJKL.....					
Q	504	89-416-643-080	0E	C-TR,2SD1664R		ABCDEFGHIJKL.....					
C	107	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	109	87-010-198-080	0E	CAP, CHIP 0.022		ABCDEFGHIJKL.....					
C	105	87-010-498-040	0E	CAP,E 10-16 GAS		ABCDEFGHIJKL.....					
C	106	87-010-502-040	0E	CAP ELECT GAS 100/4		ABCDEFGHIJKL.....					
C	104	87-010-503-040	0E	CAP,E 220-4 GAS		ABCDEFGHIJKL.....					
C	102	87-010-551-040	0E	CAP,E 33-10 GAS		ABCDEFGHIJKL.....					
C	101	87-010-553-040	0E	CAP,E 47-16 GAS		ABCDEFGHIJKL.....					
C	108	87-012-145-080	0E	CAP, CHIP S 270P CH		ABCDEFGHIJKL.....					
C	103	87-A10-505-040	0E	CAP,E 220-6.3 105 SF		ABCDEFGHIJKL.....					
C	116	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	111	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	115	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	112	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	117	87-010-196-080	0E	CHIP CAPACITOR,0.1-25		ABCDEFGHIJKL.....					
C	110	87-A10-826-080	0E	C-CAP,S 1-10 K B		ABCDEFGHIJKL.....					
C	113	87-A10-826-080	0E	C-CAP,S 1-10 K B		ABCDEFGHIJKL.....					
D	104	87-A40-554-040	0E	C-DIODE,RB491D		ABCDEFGHIJKL.....					
D	103	87-A40-590-040	0E	C-DIODE,HRW0202A		ABCDEFGHIJKL.....					
D	102	87-A40-590-040	0E	C-DIODE,HRW0202A		ABCDEFGHIJKL.....					
D	101	87-A40-592-040	0E	C-ZENER,HZM11NB2		ABCDEFGHIJKL.....					
IC	101	87-A21-448-040	1F	C-IC,BH6554FV		ABCDEFGHIJKL.....					
J	101	87-A60-421-010	1A	JACK,DC HEC3600 BLK 6		ABCDEFGHIJKL.....					

ELECTRICAL MAIN PARTS LIST - 2

L	102	87-A50-573-010	COIL,330UH LHL06NB	ABCDEFGHIJKL.....
L	101	87-A50-574-010	COIL,100UH #7607	ABCDEFGHIJKL.....
Q	104	87-A30-278-040	1A C-FET,2SK2980	ABCDEFGHIJKL.....
Q	103	87-A30-278-040	1A C-FET,2SK2980	ABCDEFGHIJKL.....
Q	102	87-A30-332-040	1A C-TR,CPH3106	ABCDEFGHIJKL.....
Q	101	89-211-323-080	1A C-TR,2SB1132R	ABCDEFGHIJKL.....
R	105	87-022-355-080	0E C-RES,S10K-1/10W F	ABCDEFGHIJKL.....
R	107	87-022-358-080	0E C-RES,S 18K-1/10W F	ABCDEFGHIJKL.....
S	103	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
S	104	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
S	106	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
S	105	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
S	102	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
S	101	87-A90-095-080	0E SW,TACT EVQ11G04M	ABCDEFGHIJKL.....
C	202	87-010-175-080	0E CAP 560P	ABCDEFGHIJKL.....
C	208	87-010-177-080	0E C-CAP,S 820P-50 SL	ABCDEFGHIJKL.....
C	205	87-010-213-080	0E C-CAP,S 0.015-50 B	ABCDEFGHIJKL.....
C	204	87-010-213-080	0E C-CAP,S 0.015-50 B	ABCDEFGHIJKL.....
C	209	87-010-213-080	0E C-CAP,S 0.015-50 B	ABCDEFGHIJKL.....
C	201	87-A10-505-040	0E CAP,E 220-6.3 105 SF	ABCDEFGHIJKL.....
C	207	87-A10-826-080	0E C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	206	87-A10-826-080	0E C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	210	87-010-213-080	0E C-CAP,S 0.015-50 B	ABCDEFGHIJKL.....
C	212	87-A10-826-080	0E C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
CN	202	87-009-411-010	0E CONN,6P ZH V	ABCDEFGHIJKL.....
CN	201	87-A61-104-010	1B CONN,16P H WHITE 52089-1610	ABCDEFGHIJKL.....
IC	201	87-A21-083-040	1H C-IC,BH6508FS	ABCDEFGHIJKL.....
Q	201	87-A30-287-040	0E C-TR,DTC114TKA	ABCDEFGHIJKL.....
C	309	87-010-178-080	0E CHIP CAP 1000P	ABCDEFGHIJKL.....
C	306	87-010-196-080	0E CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	308	87-010-196-080	0E CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	305	87-010-501-040	0E E/CAP GAS 47-4	ABCDEFGHIJKL.....
C	302	87-010-502-040	0E CAP ELECT GAS 100/4	ABCDEFGHIJKL.....
C	304	87-010-502-040	0E CAP ELECT GAS 100/4	ABCDEFGHIJKL.....
C	301	87-016-557-040	0E CAP,E 100-6.3 SF	ABCDEFGHIJKL.....
C	303	87-016-557-040	0E CAP,E 100-6.3 SF	ABCDEFGHIJKL.....
C	311	87-010-318-080	0E C-CAP,S 47P-50 CH	ABCDEFGHIJKL.....
C	314	87-A10-201-080	0E C-CAP,S0.33-16 KB	ABCDEFGHIJKL.....
C	313	87-A10-826-080	0E C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	357	87-010-196-080	0E CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	354	87-010-196-080	0E CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	355	87-010-312-080	0E C-CAP,S 15P-50 CH	ABCDEFGHIJKL.....
C	356	87-010-312-080	0E C-CAP,S 15P-50 CH	ABCDEFGHIJKL.....
C	358	87-010-322-080	0E C-CAP,S 100P-50 CH	ABCDEFGHIJKL.....
C	352	87-010-503-040	0E CAP,E 220-4 GAS	ABCDEFGHIJKL.....
C	351	87-016-557-040	0E CAP,E 100-6.3 SF	ABCDEFGHIJKL.....
C	359	87-A10-369-080	0E C-CAP,S 0.47-16 K B	ABCDEFGHIJKL.....
C	353	87-A10-826-080	0E C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	367	87-010-175-080	0E CAP 560P	ABCDEFGHIJKL.....
C	368	87-010-196-080	0E CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	363	87-010-197-080	0E CAP, CHIP 0.01 DM	ABCDEFGHIJKL.....
C	361	87-010-322-080	0E C-CAP,S 100P-50 CH	ABCDEFGHIJKL.....
C	365	87-010-322-080	0E C-CAP,S 100P-50 CH	ABCDEFGHIJKL.....
C	364	87-016-369-080	0E C-CAP,S 0.033-25 B K	ABCDEFGHIJKL.....
C	362	87-016-669-080	0E C-CAP,S 0.1-25 K B	ABCDEFGHIJKL.....
C	360	87-016-669-080	0E C-CAP,S 0.1-25 K B	ABCDEFGHIJKL.....
IC	301	87-A21-381-040	1E C-IC,LA9235M	ABCDEFGHIJKL.....
IC	351	87-A21-591-010	2A C-IC,LC78641NE-D	ABCDEFGHIJKL.....
L	301	87-A50-455-080	1E C-COIL,47UH-FSLB2520	ABCDEFGHIJKL.....
L	302	87-A50-501-080	1B C-COIL,10UH-FSLB2520	ABCDEFGHIJKL.....
L	351	87-A50-501-080	1B C-COIL,10UH-FSLB2520	ABCDEFGHIJKL.....

ELECTRICAL MAIN PARTS LIST - 3

Q	301	87-A30-246-040	0E	C-TR,2SA1037AK	ABCDEFGHIJKL.....
Q	302	87-A30-287-040	0E	C-TR,DTC114TKA	ABCDEFGHIJKL.....
Q	303	87-A30-287-040	0E	C-TR,DTC114TKA	ABCDEFGHIJKL.....
Q	305	87-A30-287-040	0E	C-TR,DTC114TKA	ABCDEFGHIJKL.....
R	307	87-022-202-080	0E	C-RES,S33K 1/10WF	ABCDEFGHIJKL.....
R	309	87-022-202-080	0E	C-RES,S33K 1/10WF	ABCDEFGHIJKL.....
R	308	87-022-202-080	0E	C-RES,S33K 1/10WF	ABCDEFGHIJKL.....
R	310	87-022-202-080	0E	C-RES,S33K 1/10WF	ABCDEFGHIJKL.....
R	312	87-022-364-080	0E	C-RES,S 82K-1/10W F	ABCDEFGHIJKL.....
R	311	87-022-364-080	0E	C-RES,S 82K-1/10W F	ABCDEFGHIJKL.....
X	351	87-A70-202-080	1A	C-VIB,CER 16.93MHZ CSACV-MXJ04	ABCDEFGHIJKL.....
C	702	87-010-495-040	0E	CAP,E 2.2-50 GAS	ABCDEFGHIJKL.....
C	703	87-010-498-040	0E	CAP,E 10-16 GAS	ABCDEFGHIJKL.....
C	706	87-010-498-040	0E	CAP,E 10-16 GAS	ABCDEFGHIJKL.....
C	707	87-010-501-040	0E	E/CAP GAS 47-4	ABCDEFGHIJKL.....
C	701	87-010-501-040	0E	E/CAP GAS 47-4	ABCDEFGHIJKL.....
C	704	87-010-503-040	0E	CAP,E 220-4 GAS	ABCDEFGHIJKL.....
C	705	87-010-503-040	0E	CAP,E 220-4 GAS	ABCDEFGHIJKL.....
C	708	87-A10-826-080	0E	C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	709	87-A10-826-080	0E	C-CAP,S 1-10 K B	ABCDEFGHIJKL.....
C	714	87-010-196-080	0E	CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	713	87-010-196-080	0E	CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	717	87-010-196-080	0E	CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	715	87-010-196-080	0E	CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	716	87-010-196-080	0E	CHIP CAPACITOR,0.1-25	ABCDEFGHIJKL.....
C	712	87-012-141-080	0E	CHIP-CAPACITOR,0.22-16F	ABCDEFGHIJKL.....
C	711	87-012-155-080	0E	C-CAP 180P-50CH	ABCDEFGHIJKL.....
C	710	87-012-155-080	0E	C-CAP 180P-50CH	ABCDEFGHIJKL.....
FB	701	87-A50-623-080		C-COIL,BK2125HS102	ABCDEFGHIJKL.....
FB	702	87-A50-623-080		C-COIL,BK2125HS102	ABCDEFGHIJKL.....
FB	704	87-A50-623-080		C-COIL,BK2125HS102	ABCDEFGHIJKL.....
FB	703	87-A50-623-080		C-COIL,BK2125HS102	ABCDEFGHIJKL.....
IC	701	87-A21-085-040	1C	C-IC,TA2120FN	ABCDEFGHIJKL.....
J	701	85-HC5-616-010	1B	JACK,3.5 ST W/R GRN	ABCDEFGHIJKL.....
Q	701	87-A30-287-040	0E	C-TR,DTC114TKA	ABCDEFGHIJKL.....
VR	701	87-A90-462-010	1B	VR,RTRY 30KCX2 H RK14J12A0	ABCDEFGHIJKL.....

MECHANICAL PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

312KS	.....XX	.....A
311AHRJ1S	.....XX	.....B
311AHRJ1D	.....XX	.....C
312AEZ1S	.....XX	.....D
310Y1BLL	.....XX	.....E
311AEZ1L	.....XX	.....F
311AHABS	.....XX	.....G
310Y1S	.....XX	.....H
311AEZ1S	.....XX	.....I
310Y1BD	.....XX	.....J
310Y1BLT	.....XX	.....K

KANRI

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	88-HC6-021-010	1A	FOOT, DIA10	ABCDEFGHIJKL.....
	8A-HC7-007-010		WINDOW, CD	AB.DE.GHIJ.L.....
	8A-HC7-015-010		CABI ASSY,CENTER	AB.D..GHIJ.....
	8A-HC7-016-010		CABI ASSY,BOTTOM	AB.D..GHIJ.....
	8A-HC7-017-010		LID ASSY,CD	AB.D..GHIJ.....
	8A-HC7-018-110	0E	LEVER, OPEN	ABCDEFGHIJKL.....
	8A-HC7-035-010		CABI ASSY,CENTER (LL)	.....E.....
	8A-HC7-036-010		CABI ASSY,BOTTOM (LL)	..C.EF....K.....
	8A-HC7-037-010		LID ASSY,CD 311 (LL)	.....E.....
	8A-HC7-051-010		LID ASSY,CD 310 (D)	..C.....K.....
	8A-HC7-052-010		LID ASSY,CD 310 (L)	.....F.....
	8A-HC7-053-010		LID ASSY,CD 310 (LT)	.....L.....
	8A-HC7-065-010		CABI ASSY,CENTER (L)	.....F.....
	8A-HC7-066-010		CABI ASSY,CENTER (D)	..C.....K.....
	8A-HC7-067-010		CABI ASSY,CENTER (LT)	.....L.....
	8A-HC7-068-010		CABI ASSY,CENTER (G)	.....
	8A-HC7-075-010		CABI ASSY,BOTTOM (LT)	.....L.....
	8A-HC7-078-010		WINDOW,CD (D)	..C.....K.....
	8A-HC7-079-010		WINDOW,CD (L)	.....F.....
	8A-HC7-012-010		KNOB,SL HOLD	ABCDEFGHIJKL.....
	8A-HC7-005-010		WINDOW,DISPLAY	.....E..HI.KL.....
	8A-HC7-006-010		SH,DISPLAY	ABCDEFGHIJKL.....
	8A-HC7-019-010		WINDOW,DISPLAY 311	.BC..FG..J.....
	8A-HC7-020-010		WINDOW,DISPLAY 312	A..D.....
	85-HC6-205-110	0E	SHAFT,LID(300) HK	ABCDEFGHIJKL.....
	87-HC8-205-010	0E	BAT-CONTACT,(+)(-)	ABCDEFGHIJKL.....
	8A-HC7-201-010		GUIDE,LCD	ABCDEFGHIJKL.....
	8A-HC7-204-010		SPR-T,OPEN	ABCDEFGHIJKL.....
	8A-HC7-206-010		BAT-CONTACT,(+) (HK)	ABCDEFGHIJKL.....
	8A-HC7-207-010		BAT-CONTACT,(-) (HK)	ABCDEFGHIJKL.....
	8Z-HC1-225-010	0E	DMPR,MECHA(SP)	ABCDEFGHIJKL.....
	87-067-868-010	0E	V+1.7-4 HL BLK	ABCDEFGHIJKL.....
	87-067-869-010	0E	V+1.7-8 HL BLK	ABCDEFGHIJKL.....

ACCESSORIES LIST

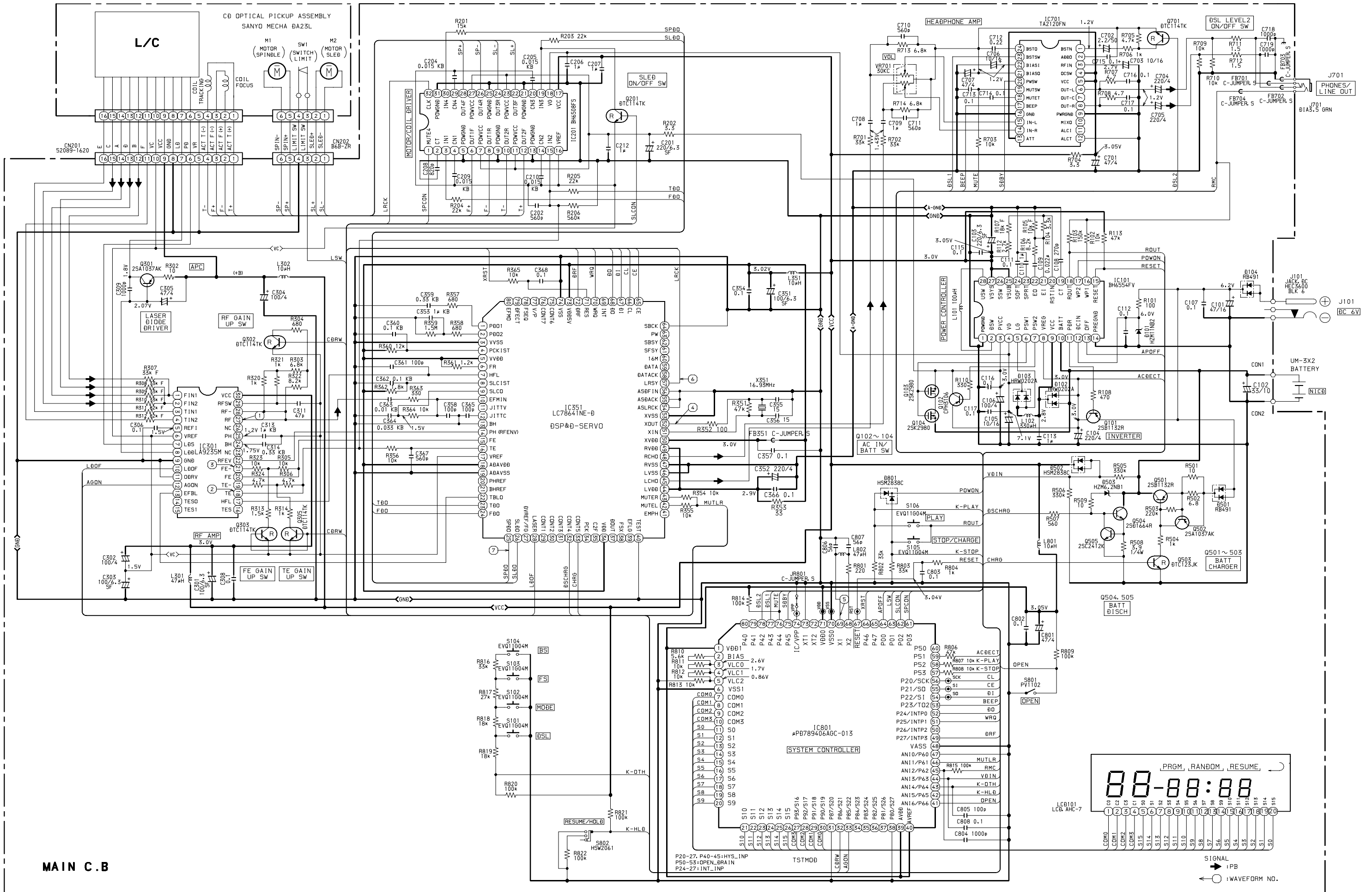
NOTE: The characters in the suffix column indicate the part usage.

312KS	.....XX.....	A.....
311AHRJ1S	.....XX.....	B.....
311AHRJ1D	.....XX.....	C.....
312AEZ1S	.....XX.....	D.....
310Y1BLL	.....XX.....	E.....
311AEZ1L	.....XX.....	F.....
311AHABS	.....XX.....	G.....
310Y1S	.....XX.....	H.....
311AEZ1S	.....XX.....	I.....
310Y1BD	.....XX.....	J.....
310Y1BLT	.....XX.....	K.....

KANRI

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8A-HC7-902-010		IB,HR(ECA)C	..C.....
	8A-HC7-908-010		IB,D	.....
	8A-HC7-912-010		IB,HR(ECA)C F	.BC.....
	8A-HC7-914-010		IB,LH(3L)C F	.....G.....
	8A-HC7-935-010		IB,EZ(EGF)C 311 F	.....F...J.....
	8A-HC7-936-010		IB,EZ(SID)C 311 F	.....F...J.....
	8A-HC7-937-010		IB,EZ(PHNCZ)C 311 F	.....F...J.....
	8A-HC7-945-010		IB,Y(EGF)C 310 F	....E..HI.KL.....
	8A-HC7-946-010		IB,Y(SID)C 310 F	....E..HI.KL.....
	8A-HC7-947-010		IB,Y(PHNCZ)C 310 F	....E..HI.KL.....
	8A-HC7-955-010		IB,EZ(EGF)C 312 F	A..D.....
	8A-HC7-956-010		IB,EZ(SID)C 312 F	...D.....
	8A-HC7-957-010		IB,EZ(PHNCZ)C 312 F	...D.....
	87-A91-017-010	1A	PLUG,CONVERSION JT-0476	.BC.....
	87-B30-141-010	1E	BAT,NB-301 NC(2PCS)	A..D.....
	87-B30-259-010	1H	HEADPHONE,HP-M032(T) L	.....L.....
	87-B30-281-010	1H	AC ADAPTOR,AC-D603NC	.....
	87-B30-283-010	1H	AC ADAPTOR,AC-D603ENC	...D.F...J.....
	87-B30-284-010	2A	AC ADAPTOR,AC-D603KNC	A.....
	87-B30-285-110	2A	AC ADAPTOR,AC-D603HRNC	.BC.....
	87-B30-287-010	1H	AC ADAPTOR,AC-D603HANC	.....G.....
	87-B30-326-010	1F	HEADPHONE,HP-M048	ABCDEFGHIJK.....

SCHEMATIC DIAGRAM-1(MAIN)



MAIN C.B



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