



**CS-P500**

AEZ(S),AK(S),  
AHKJ(S),AHA(S),  
AHRJ(S)

# SERVICE MANUAL

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STEREO RADIO  
CASSETTE RECORDER

BASIC TAPE MECHANISM : TN-9ZR-215

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

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SIMPLE  
DATA

# ELECTRICAL MAIN PARTS LIST - 1

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

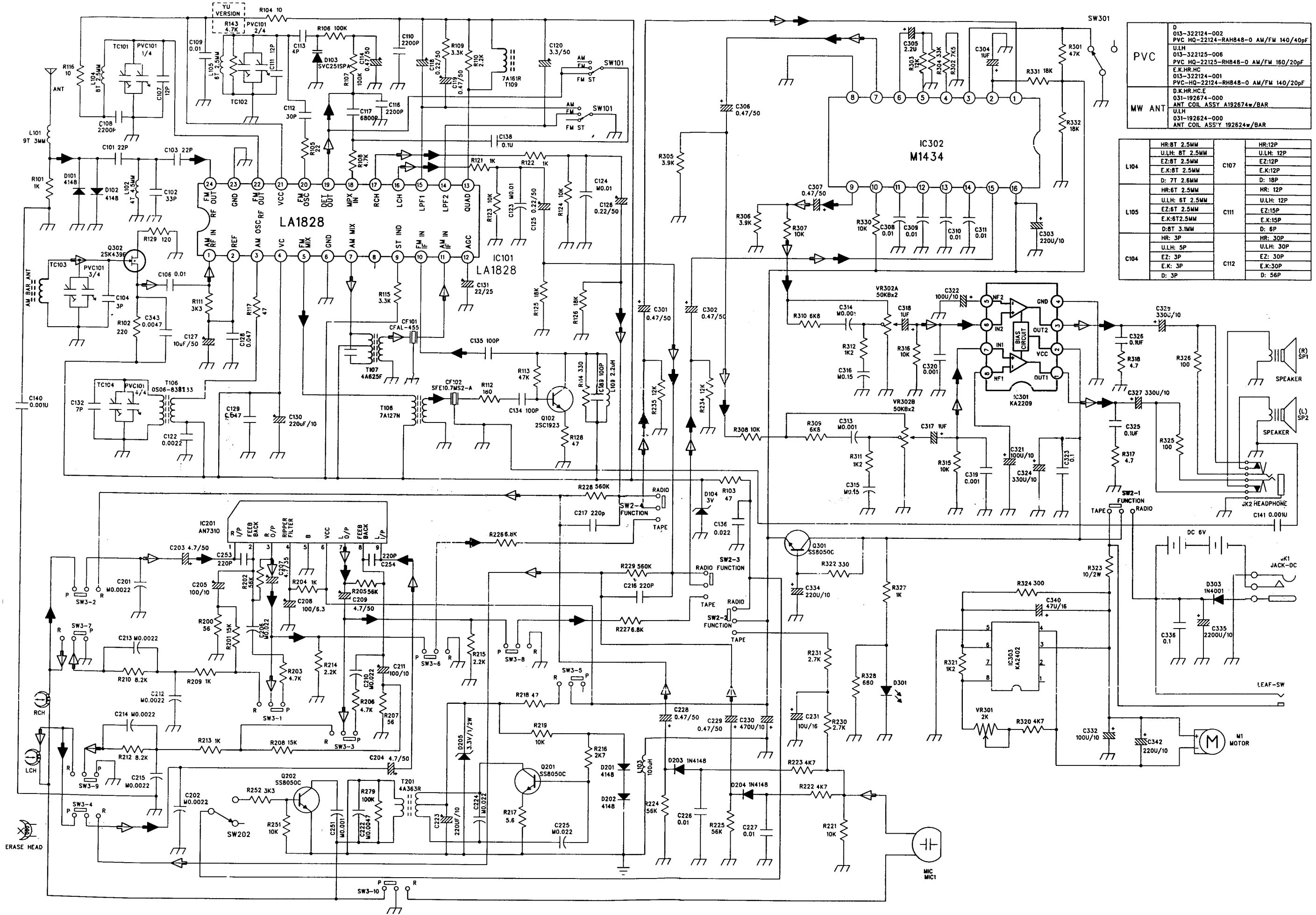
AHRJ(S)	XX	A
AK(S)	XX	E
AEZ(S)	XX	F
AHA(S)	XX	G
AHKJ(S)	XX	H

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
IC	302	87-A20-946-040	C-IC,MM1434XF	ABCDEFGHIJK
C	128	87-018-208-080	CAP 0.047-50F	ABCDEFGHIJK
C	129	87-018-208-080	CAP 0.047-50F	ABCDEFGHIJK
C	323	87-018-209-080	CAP, CER 0.1-50V	ABCDEFGHIJK
C	336	87-018-209-080	CAP, CER 0.1-50V	ABCDEFGHIJK
C	138	87-018-209-080	CAP, CER 0.1-50V	ABCDEFGHIJK
C	319	87-018-131-080	CAP, CER 1000P-50V	ABCDEFGHIJK
C	320	87-018-131-080	CAP, CER 1000P-50V	ABCDEFGHIJK
C	41	87-018-131-080	CAP, CER 1000P-50V	ABCDEFGHIJK
C	140	87-018-131-080	CAP, CER 1000P-50V	ABCDEFGHIJK
C	108	87-018-132-080	CAP, CER 2200P-16V	ABCDEFGHIJK
C	110	87-018-132-080	CAP, CER 2200P-16V	ABCDEFGHIJK
C	116	87-018-132-080	CAP, CER 2200P-16V	ABCDEFGHIJK
C	122	87-018-132-080	CAP, CER 2200P-16V	ABCDEFGHIJK
C	136	87-018-205-080	CAP, CERA-SOL 0.022	ABCDEFGHIJK
C	118	87-010-545-080	CAP, ELECT 0.22-50V	ABCDEFGHIJK
C	125	87-010-545-080	CAP, ELECT 0.22-50V	ABCDEFGHIJK
C	126	87-010-545-080	CAP, ELECT 0.22-50V	ABCDEFGHIJK
C	228	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	229	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	301	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	302	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	306	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	307	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	114	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	119	87-010-400-080	CAP, ELECT 0.47-50V	ABCDEFGHIJK
C	304	87-010-401-080	CAP, ELECT 1-50V	ABCDEFGHIJK
C	317	87-010-401-080	CAP, ELECT 1-50V	ABCDEFGHIJK
C	318	87-010-401-080	CAP, ELECT 1-50V	ABCDEFGHIJK
C	127	87-010-378-080	CAP, ELECT 10-16V	ABCDEFGHIJK
C	205	87-010-263-080	CAP, ELECT 100-10V	ABCDEFGHIJK
C	211	87-010-263-080	CAP, ELECT 100-10V	ABCDEFGHIJK
C	321	87-010-263-080	CAP, ELECT 100-10V	ABCDEFGHIJK
C	322	87-010-263-080	CAP, ELECT 100-10V	ABCDEFGHIJK
C	332	87-010-263-080	CAP, ELECT 100-10V	ABCDEFGHIJK
C	305	87-010-402-080	CAP, ELECT 2.2-50V	ABCDEFGHIJK
C	131	87-010-379-080	CAP, ELECT 22-16V	ABCDEFGHIJK
C	223	87-010-248-080	CAP, ELECT 220-10V	ABCDEFGHIJK
C	303	87-010-248-080	CAP, ELECT 220-10V	ABCDEFGHIJK
C	334	87-010-248-080	CAP, ELECT 220-10V	ABCDEFGHIJK
C	342	87-010-248-080	CAP, ELECT 220-10V	ABCDEFGHIJK
C	130	87-010-248-080	CAP, ELECT 220-10V	ABCDEFGHIJK
C	120	87-010-403-080	CAP, ELECT 3.3-50V	ABCDEFGHIJK
C	203	87-010-404-080	CAP, ELECT 4.7-50V	ABCDEFGHIJK
C	204	87-010-404-080	CAP, ELECT 4.7-50V	ABCDEFGHIJK
C	209	87-010-404-080	CAP, ELECT 4.7-50V	ABCDEFGHIJK
C	340	87-010-374-080	CAP, ELECT 47-10V	ABCDEFGHIJK
C	230	87-010-221-080	CAP, ELECT 470-10V	ABCDEFGHIJK
C	226	87-A10-576-010	CAP,CER 0.01-50 Z YF	ABCDEFGHIJK
C	227	87-A10-576-010	CAP,CER 0.01-50 Z YF	ABCDEFGHIJK
C	106	87-A10-576-080	CAP,CER 0.01-50 Z YF	ABCDEFGHIJK
C	109	87-A10-576-080	CAP,CER 0.01-50 Z YF	ABCDEFGHIJK
C	325	87-012-348-010	CAP,CER 0.1-50 F	ABCDEFGHIJK
C	326	87-012-348-010	CAP,CER 0.1-50 F	ABCDEFGHIJK
C	134	87-A10-164-010	CAP,CER 100P-50 K SL	ABCDEFGHIJK
C	135	87-A10-164-010	CAP,CER 100P-50 K SL	ABCDEFGHIJK
C	189	87-A10-164-010	CAP,CER 100P-50 K SL	ABCDEFGHIJK
C	216	87-A10-168-010	CAP,CER 220P-50 K B	ABCDEFGHIJK
C	217	87-A10-168-010	CAP,CER 220P-50 K B	ABCDEFGHIJK
C	253	87-A10-168-010	CAP,CER 220P-50 K B	ABCDEFGHIJK
C	254	87-A10-168-010	CAP,CER 220P-50 K B	ABCDEFGHIJK
C	101	87-A10-140-010	CAP,CER 22P-50 K CH	ABCDEFGHIJK
C	103	87-A10-140-010	CAP,CER 22P-50 K CH	ABCDEFGHIJK
C	117	87-A10-181-010	CAP,CER 6800P-50 M D	ABCDEFGHIJK
C	132	87-A10-132-010	CAP,CER 6P-50 K CH	ABCDEFGHIJK
C	231	87-010-412-080	CAP,E 10-25 5L	ABCDEFGHIJK
C	208	87-010-264-080	CAP,E 100-10 5L	ABCDEFGHIJK
C	335	87-010-376-080	CAP,E 2200-10 M SME	ABCDEFGHIJK
C	324	87-010-375-080	CAP,E 330-10 SME	ABCDEFGHIJK
C	327	87-010-375-080	CAP,E 330-10 SME	ABCDEFGHIJK
C	328	87-010-375-080	CAP,E 330-10 SME	ABCDEFGHIJK
C	207	87-010-074-080	CAP,E 4.7-35 5L	ABCDEFGHIJK
C	113	87-018-142-080	CAP,TC-U 3.9P-50 CH	ABCDEFGHIJK
L	390	87-003-152-080	COIL, 100UH	ABCDEFGHIJK
L	109	87-005-151-080	COIL, 2.2UH	ABCDEFGHIJK
T	107	88-CS8-616-010	COIL,AM IFT 4A625F 10MM	ABCDEFGHIJK
T	106	88-CS8-615-010	COIL,AM OSC IFT 0S06-838233 7	ABCDEFGHIJK
L	1	88-CS8-610-010	COIL,BAR ANTCOIL ASSY A192674W	ABCDEFGHIJK
L	102	88-CS8-629-010	COIL,FM 4T,4.5MM,DIA:0.3 MM	ABCDEFGHIJK
L	101	88-CS8-630-010	COIL,FM 9T,3MM,DIA:0.4MM CS34-	ABCDEFGHIJK
T	109	88-CS8-618-010	COIL,FM DET IFT7A61R 10 MM	ABCDEFGHIJK
T	108	88-CS8-617-010	COIL,FM IFT 7A127N 7A5682 F31	ABCDEFGHIJK
L	105	88-CS8-614-010	COIL,FM OSC 2.5-6T,DIA 0.5MM	ABCDEFGHIJK

# ELECTRICAL MAIN PARTS LIST - 2

L	104	88-CS8-613-010	COIL,FM OSC 8T 2.5MM DIA 0.5MM	ABCDEFGHIJK.....
T	201	88-CS8-628-010	COIL,OSC IFT 4A-363R(B) 10MM	ABCDEFGHIJK.....
D	303	87-A40-398-010	DIODE,IN4001	ABCDEFGHIJK.....
D	201	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
D	202	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
D	203	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
D	204	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
D	101	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
D	102	87-070-345-080	DIODE,IN4148	ABCDEFGHIJK.....
Q	101	87-A30-092-080	FET,2SK439E/F	ABCDEFGHIJK.....
CF	101	88-CS8-632-010	FLTR,CERAMIC CFAL-455(TOKO)	ABCDEFGHIJK.....
CF	102	88-CS8-631-010	FLTR,CERAMIC SFE10.7MS2-A	ABCDEFGHIJK.....
IC	201	87-027-761-010	IC,AN7310	ABCDEFGHIJK.....
IC	301	86-YW2-618-010	IC,KA2209	ABCDEFGHIJK.....
IC	303	88-CS7-613-010	IC,KA2402	ABCDEFGHIJK.....
IC	101	87-A20-955-010	IC,LA1828	ABCDEFGHIJK.....
J	1	87-A60-420-010	JACK,3.5 ST (MSC)	ABCDEFGHIJK.....
J	2	88-CS7-618-010	JACK,DC 6	ABCDEFGHIJK.....
D	301	88-CS8-644-010	LED,SE-3001DT,3MM BRIGHT ,REDL	ABCDEFGHIJK.....
MIC	1	88-CS8-625-010	MIC,ECM	ABCDEFGHIJK.....
R	323	87-029-105-010	RESISTOR, 1/2W 10	ABCDEFGHIJK.....
VR	301	88-CS8-627-010	SFR,SEMI FIXED FM065C-2K/ SFEV	ABCDEFGHIJK.....
SW	301	88-CS8-621-010	SW,PUSH 2P2T PS22E06A(Q-SOUND)	ABCDEFGHIJK.....
SW	201	88-CS8-624-010	SW,REC 10P2T RSA-102D01(R/P)	ABCDEFGHIJK.....
SW	101	88-CS8-620-010	SW,SLIDE 2P3T SK23E03G1(BAND)	ABCDEFGHIJK.....
SW	102	88-CS8-622-010	SW,SLIDE 4P2T SK42F02G1(FUNC)	ABCDEFGHIJK.....
SW	202	88-CS8-623-010	SW,SLIDE SK12 D07VG4LNSA(BEAT)	ABCDEFGHIJK.....
T	1	88-CS8-645-010	TERMINAL,LB /LUG	ABCDEFGHIJK.....
Q	102	89-319-233-080	TR,2SC1923 (0.1W)	ABCDEFGHIJK.....
Q	201	87-CD7-603-080	TR,SS8050	ABCDEFGHIJK.....
Q	202	87-CD7-603-080	TR,SS8050	ABCDEFGHIJK.....
Q	301	87-CD7-603-080	TR,SS8050	ABCDEFGHIJK.....
VC	101	88-CS8-626-010	TUN-CAP,20P-140P 16.4X16.4X 7.	ABCDEFGHIJK.....
D	103	87-A40-226-080	VARI-CAP,SVC251SPA	ABCDEFGHIJK.....
VR	302	88-CS8-633-010	VR,RTRY 50KBX2,RK14K12A0,/20MM	ABCDEFGHIJK.....
D	205	87-017-074-080	ZENER,HZS3B3	ABCDEFGHIJK.....
D	104	87-A40-574-080	ZENER,MTZJ3.0A	ABCDEFGHIJK.....

SCHEMATIC DIAGRAM-1



PVC	D	013-322124-002
	PVC	HQ-22124-RAH848-0 AM/FM 140/40pF
MW ANT	U.L.H	013-322125-006
	PVC	HQ-22125-RAH848-0 AM/FM 160/20pF
	E.K.HR.HC	013-322124-001
	PVC	HQ-22124-RH848-0 AM/FM 140/20pF
MW ANT	D.K.HR.HC.E	031-192674-000
	ANT. COIL ASSY	A192674w/BAR
	U.L.H	031-192624-000
	ANT. COIL ASSY	A192624w/BAR

L104	HR:BT 2.5MM	C107	HR:12P
	U.LH: 8T 2.5MM		U.LH: 12P
	EZ:BT 2.5MM		EZ:12P
L105	E.K:BT 2.5MM	C111	E.K:12P
	D: 7T 2.6MM		D: 18P
	HR:BT 2.5MM		HR: 12P
C104	U.LH: 6T 2.5MM	C112	U.LH: 12P
	EZ:6T 2.5MM		EZ:15P
	E.K:6T2.5MM		E.K:15P
C104	D:BT 3.1MM	C112	D: 6P
	HR: 3P		HR: 30P
	U.LH: 5P		U.LH: 30P
	EZ: 3P		EZ: 30P
C104	E.K: 3P	C112	E.K:30P
	D: 3P		D: 56P

# MECHANICAL PARTS LIST - 1

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

AHRJ(S) .....XX.....A.....  
 AK(S) .....XX.....E.....  
 AEZ(S) .....XX.....F.....  
 AHA(S) .....XX.....G.....  
 AHKJ(S) .....XX.....H.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8A-CS8-001-010		CABI,FR	AB.DEFGH.....
	8A-CS8-072-010		CABI,FR BLACK	.....
	8A-CS8-071-010		CABI,FR BLUE	..C.....
	8A-CS8-074-010		CABI,FR PINK	.....I.....
	8A-CS8-073-010		CABI,FR TBLUE	.....JK.....
	8A-CS8-019-010		GRILLE,SP L	AB.DEFGH.....
	8A-CS8-133-010		GRILLE,SP L BLACK	.....
	8A-CS8-131-010		GRILLE,SP L BLUE	..C.....
	8A-CS8-137-010		GRILLE,SP L PINK	.....I.....
	8A-CS8-135-010		GRILLE,SP L TBLUE	.....JK.....
	8A-CS8-020-010		GRILLE,SP R	AB.DEFGH.....
	8A-CS8-134-010		GRILLE,SP R BLACK	.....
	8A-CS8-132-010		GRILLE,SP R BLUE	..C.....
	8A-CS8-138-010		GRILLE,SP R PINK	.....I.....
	8A-CS8-136-010		GRILLE,SP R TBLUE	.....JK.....
ANT	0	88-CS7-626-010	ANT,ROD P7 TYPE	ABCDEFGHIJK.....
		8Z-CS8-202-010	BOX,BATT +	ABCDEFGHIJK.....
		8Z-CS8-203-010	BOX,BATT -	ABCDEFGHIJK.....
		8A-CS8-003-010	BOX,CASS	.....
		8A-CS8-092-010	BOX,CASS D BLACK	.....
		8A-CS8-091-010	BOX,CASS D BLUE	.....
		8A-CS8-094-010	BOX,CASS D PINK	.....
		8A-CS8-093-010	BOX,CASS D TBLUE	.....
		8A-CS8-033-010	BOX,CASS EX	AB.DEFGH.....
		8A-CS8-096-010	BOX,CASS EX BLUE	..C.....
		8A-CS8-099-010	BOX,CASS EX PINK	.....I.....
		8A-CS8-098-010	BOX,CASS EX TBLUE	.....JK.....
		8A-CS8-002-010	CABI,REAR	AB.DEFGH.....
		8A-CS8-082-010	CABI,REAR BLACK	.....
		8A-CS8-081-010	CABI,REAR BLUE	..C.....
		8A-CS8-084-010	CABI,REAR PINK	.....I.....
		8A-CS8-083-010	CABI,REAR TBLUE	.....JK.....
		8A-CS8-201-010	GEAR,PVC	ABCDEFGHIJK.....
		8A-CS8-017-010	HANDL,	AB.DEFGH.....
		8A-CS8-122-010	HANDL,BLACK	.....
		8A-CS8-121-010	HANDL,BLUE	..C.....
		8A-CS8-124-010	HANDL,PINK	.....I.....
		8A-CS8-123-010	HANDL,TBLUE	.....JK.....
		8A-CS8-009-010	KEY,CASS FWD	ABCDEFGHIJK.....
		8A-CS8-011-010	KEY,CASS PLAY	ABCDEFGHIJK.....
		8A-CS8-012-010	KEY,CASS REC	ABCDEFGHIJK.....
		8A-CS8-010-010	KEY,CASS REW	ABCDEFGHIJK.....
		8A-CS8-008-010	KEY,CASS STOP	ABCDEFGHIJK.....
		8A-CS8-016-010	KEY,Q SOUND	ABCDEFGHIJK.....
		8A-CS8-015-010	KNOB,RTRY TU	ABCDEFGHIJK.....
		8A-CS8-014-010	KNOB,RTRY VOL	ABCDEFGHIJK.....
		8A-CS8-013-010	KNOB,SL FUN	ABCDEFGHIJK.....
		8A-CS8-007-010	LID,BATT	AB.DEFGH.....
		8A-CS8-112-010	LID,BATT BLACK	.....
		8A-CS8-111-010	LID,BATT BLUE	..C.....
		8A-CS8-114-010	LID,BATT PINK	.....I.....
		8A-CS8-113-010	LID,BATT TBLUE	.....JK.....
		8A-CS8-004-010	PANEL, TOP D	.....
		8A-CS8-024-010	PANEL, TOP D PINK	.....
		8A-CS8-022-010	PANEL, TOP D TBLUE	.....
		8A-CS8-025-010	PANEL, TOP EX PINK	..C.....I.....
		8A-CS8-021-010	PANEL, TOP EX S	AB.DEFGH.....
		8A-CS8-023-010	PANEL, TOP EX TBLUE	.....JK.....
		8Z-CS8-204-010	PLATE,REC	ABCDEFGHIJK.....
		8A-CS8-018-010	POINTER,	ABCDEFGHIJK.....
		87-267-527-310	SCREW, V+1.7-3	ABCDEFGHIJK.....
SP	0	88-CS7-625-010	SPKR,55MM 4OHM	ABCDEFGHIJK.....
		8Z-CS8-205-010	SPR,CASS	ABCDEFGHIJK.....
		88-CS8-212-010	SPR-E,BATT -	ABCDEFGHIJK.....
		8A-CM3-211-010	SPR-P,CASS	ABCDEFGHIJK.....
		87-254-094-410	U+3-6 CR	ABCDEFGHIJK.....
		87-741-033-410	UT2+2-4 GLD W/O SLOT	ABCDEFGHIJK.....
		87-741-097-410	UT2+3-12	ABCDEFGHIJK.....
		87-741-095-410	UT2+3-8 GLD	ABCDEFGHIJK.....
		87-261-093-410	V+3-5 GLD	ABCDEFGHIJK.....
		87-651-073-410	VT1+2.6-6	ABCDEFGHIJK.....
		87-654-095-410	VT1+3-8 CR	ABCDEFGHIJK.....
		87-B10-114-010	VT2+2-12 CR	ABCDEFGHIJK.....
		8A-CS8-005-010	WINDOW,CASS	AB.DEFGH.....
		8A-CS8-101-010	WINDOW,CASS BLUE	..C.....
		8A-CS8-104-010	WINDOW,CASS PINK	.....I.....
		8A-CS8-103-010	WINDOW,CASS TBLUE	.....JK.....
		8A-CS8-006-010	WINDOW,DIAL D	.....
		8A-CS8-035-010	WINDOW,DIAL D BLACK	.....
		8A-CS8-034-010	WINDOW,DIAL D BLUE	.....
		8A-CS8-036-010	WINDOW,DIAL D PINK	.....
		8A-CS8-037-010	WINDOW,DIAL D TBLUE	.....
		8A-CS8-031-010	WINDOW,DIAL EX	AB..E..H.....

# MECHANICAL PARTS LIST - 2

8A-CS8-038-010	WINDOW, DIAL EX BLUE	..C.....
8A-CS8-040-010	WINDOW, DIAL EX PINK	.....I.....
8A-CS8-041-010	WINDOW, DIAL EX TBLUE	.....JK.....
8A-CS8-030-010	WINDOW, DIAL EZ	.....F.....
8A-CS8-032-010	WINDOW, DIAL U	...D..G.....

# ACCESSORIES LIST

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

AHRJ(S) .....XX.....A.....  
 AK(S) .....XX.....E.....  
 AEZ(S) .....XX.....F.....  
 AHA(S) .....XX.....G.....  
 AHKJ(S) .....XX.....H.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
AC	1	87-B30-162-010	AC ADAPTOR,AC-D602	.....
AC	1	87-B30-164-010	AC ADAPTOR,AC-D602E	.....F.....
AC	1	87-B30-166-010	AC ADAPTOR,AC-D602H	ABC.....K.....
		87-B30-381-010	AC ADAPTOR,AC-D602HA	.....G.....
AC	1	87-B30-165-010	AC ADAPTOR,AC-D602K	.....E..HIJ.....
AC	1	87-B30-163-010	AC ADAPTOR,AC-D602U	.....D.....
		8A-CS8-908-010	IB,D(J)A	.....
		8A-CS8-906-010	IB,EZ(9L)A	PDF.....EF.....
		8A-CS8-901-010	IB,H(ECA)A	ABC.....HIJK.....
		8A-CS8-902-010	IB,HA(ESP)A	.....G.....
		8A-CS8-903-010	IB,U(ESF)A	.....D.....
PL	1	87-099-789-010	PLUG,ADPTR IR44	.B.....



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