



HS-RX500 YH,AH

SERVICE MANUAL

STEREO RADIO
CASSETTE PLAYER

BASIC TAPE MECHANISM: 7ZM-1 P4NF

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

aiwa
S/M Code No. 09-004-432-3T1

SIMPLE
DATA

ELECTRICAL MAIN PARTS LIST - 1/3

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

YH	.....	XX	.....	A	.....
AH	.....	XX	.....	B	.....
		KANRI			
REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX	
C	109	87-010-828-080	CHIP CAPACITOR,U 0.033-25F	AB	.....
C	101	87-012-273-080	C-CAP,U 820P-50 B	AB	.....
C	102	87-012-273-080	C-CAP,U 820P-50 B	AB	.....
C	103	87-012-273-080	C-CAP,U 820P-50 B	AB	.....
C	104	87-012-273-080	C-CAP,U 820P-50 B	AB	.....
C	108	87-012-286-080	CAP, U 0.01-25	AB	.....
C	107	87-012-286-080	CAP, U 0.01-25	AB	.....
C	106	87-A10-952-080	C-CAP,TN 22-4 M A MCM	AB	.....
C	105	87-A10-952-080	C-CAP,TN 22-4 M A MCM	AB	.....
C	110	87-010-828-080	CHIP CAPACITOR,U 0.033-25F	AB	.....
C	114	87-010-828-080	CHIP CAPACITOR,U 0.033-25F	AB	.....
C	112	87-010-831-080	C-CAP,U,0.1-16F	AB	.....
C	116	87-010-851-080	C-CAP,47-4	AB	.....
C	117	87-010-851-080	C-CAP,47-4	AB	.....
C	113	87-012-274-080	CHIP CAP,U 1000P-50B	AB	.....
C	111	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	118	87-A10-707-080	C-CAP,U 0.47U-16 F Z	AB	.....
C	119	87-A10-707-080	C-CAP,U 0.47U-16 F Z	AB	.....
C	122	87-010-424-080	CAPACTOR,TANTAL 4.7-4	AB	.....
C	128	87-010-784-080	C-CAP,U 0.012-25 B	AB	.....
C	127	87-010-784-080	C-CAP,U 0.012-25 B	AB	.....
C	129	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	123	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	126	87-A10-025-080	C-CAP,U 0.22-16Z F	AB	.....
C	125	87-A10-025-080	C-CAP,U 0.22-16Z F	AB	.....
C	120	87-A10-707-080	C-CAP,U 0.47U-16 F Z	AB	.....
C	135	87-010-424-080	CAPACTOR,TANTAL 4.7-4	AB	.....
C	130	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	136	87-A10-025-080	C-CAP,U 0.22-16Z F	AB	.....
C	133	87-A10-827-080	C-CAP,U 0.47-6.3 K B	AB	.....
C	134	87-A10-827-080	C-CAP,U 0.47-6.3 K B	AB	.....
C	132	87-A11-058-080	C-CAP,U 0.22-10 K B	AB	.....
C	139	87-A11-797-080	C-CAP,S 2.2-16 Z F	AB	.....
C	137	87-A11-812-080	C-CAP,E 220-4 MVS(4.6MAX)	AB	.....
C	138	87-A11-812-080	C-CAP,E 220-4 MVS(4.6MAX)	AB	.....
C	141	87-016-317-080	C-CAP,TN 2.2-6.3	AB	.....
C	145	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	146	87-016-462-080	C-CAP,S 1-16 F	AB	.....
C	143	87-A10-952-080	C-CAP,TN 22-4 M A MCM	AB	.....
C	144	87-A11-056-080	C-CAP,U 1-10 Z F	AB	.....
C	140	87-A11-797-080	C-CAP,S 2.2-16 Z F	AB	.....
C	150	87-A11-812-080	C-CAP,E 220-4 MVS(4.6MAX)	AB	.....
IC	101	87-A21-179-040	C-IC,TA2123AF	AB	.....
J	101	87-A60-272-010	JACK,3.5 ST 4P	AB	.....
L	105	87-A50-322-080	C-COIL,S BK2125 LM252	AB	.....
L	107	87-A50-322-080	C-COIL,S BK2125 LM252	AB	.....
L	104	87-A50-322-080	C-COIL,S BK2125 LM252	AB	.....
L	103	87-A50-322-080	C-COIL,S BK2125 LM252	AB	.....
L	101	87-A50-367-080	C-COIL, 10UH LQG21F	AB	.....
L	108	87-A50-582-080	C-COIL,S 0.22UH K FCI2012C	AB	.....
Q	101	87-026-414-080	C-TR RN1307	AB	.....
Q	103	87-026-481-080	TR,RN4607 (0.3W)	AB	.....
Q	102	87-A30-085-040	C-TR,CSA1362GR	AB	.....
VR	101	87-A91-750-010	VR,RTRY 20KCX2 XV0107	AB	.....
C	404	87-010-831-080	C-CAP,U,0.1-16F	AB	.....
C	408	87-012-286-080	CAP, U 0.01-25	AB	.....
C	409	87-012-286-080	CAP, U 0.01-25	AB	.....
C	401	87-012-286-080	CAP, U 0.01-25	AB	.....
C	406	87-A10-707-080	C-CAP,U 0.47U-16 F Z	AB	.....
C	405	87-A10-707-080	C-CAP,U 0.47U-16 F Z	AB	.....
C	402	87-A11-057-080	C-CAP,U 0.1-16 K B	AB	.....
C	403	87-A11-796-080	C-CAP,S 4.7-10 Z F	AB	.....
C	410	87-A11-056-080	C-CAP,U 1-10 Z F	AB	.....
IC	401	87-A20-961-040	C-IC,MM1279XV	AB	.....
Q	403	87-A30-085-040	C-TR,CSA1362GR	AB	.....
Q	402	87-A30-085-040	C-TR,CSA1362GR	AB	.....
Q	401	87-A30-085-040	C-TR,CSA1362GR	AB	.....
Q	404	89-333-266-080	CHIP TR,2SC3326B	AB	.....
Q	405	89-333-266-080	CHIP TR,2SC3326B	AB	.....
SFR	401	87-A91-465-040	C-SFR,K 6.8K H RH03AEC	AB	.....
TH	401	87-A00-695-080	M-RES,M/F 3.9K-1/8W J 3000PPM	AB	.....
PS	501	87-A90-440-010	SNSR,PHOTO GP2S24N2-	AB	.....
Q	502	87-026-414-080	C-TR RN1307	AB	.....
Q	501	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	AB	.....
IC	801	87-A21-691-040	C-IC,PST9009NL	AB	.....
R	801	87-022-236-080	C-RES,U 7.5K-1/16W F	AB	.....
C	701	87-016-426-080	C-CAP,E 47-4 5.5N	AB	.....
D	701	87-A40-666-040	C-DIODE,HN2S01F	AB	.....
BPF	201	81-HW1-628-080	CHIP BAND PASE FILTER	AB	.....
C	209	87-012-193-080	C-CAP,U 82P-50 CH	AB	.....

ELECTRICAL MAIN PARTS LIST - 2/3

C	203	87-012-196-080	C-CAP,U 120P-50 CH	AB
C	201	87-012-274-080	CHIP CAP,U 1000P-50B	AB
C	207	87-012-286-080	CAP, U 0.01-25	AB
C	202	87-012-286-080	CAP, U 0.01-25	AB
C	206	87-012-286-080	CAP, U 0.01-25	AB
C	204	87-012-286-080	CAP, U 0.01-25	AB
C	208	87-A10-039-080	C-CAP,U 470P-50 J CH	AB
C	205	87-A10-262-080	C-CAP,U 1-10 ZF	AB
C	217	87-010-831-080	C-CAP,U,0.1-16F	AB
C	216	87-012-162-080	C-CAP,U 1P-50 CK	AB
C	212	87-012-162-080	C-CAP,U 1P-50 CK	AB
C	215	87-012-195-080	C-CAP,U 100P-50CH	AB
C	213	87-012-286-080	CAP, U 0.01-25	AB
C	218	87-012-286-080	CAP, U 0.01-25	AB
C	214	87-012-286-080	CAP, U 0.01-25	AB
C	210	87-012-286-080	CAP, U 0.01-25	AB
C	211	87-A10-262-080	C-CAP,U 1-10 ZF	AB
C	220	87-012-274-080	CHIP CAP,U 1000P-50B	AB
IC	201	87-001-815-040	C-IC,TA7371AF	AB
L	201	87-A50-245-080	C-COIL,S 0.1UH G	AB
L	202	87-A50-246-080	C-COIL,S 0.12UH G	AB
L	203	87-A50-583-080	C-COIL,S 2.2UH K FCI2012H	AB
Q	201	89-115-884-080	CHIP -TRANSISTER 2SA1588Y	AB
Q	202	89-342-153-080	TR,2SC4215	AB
Q	203	89-342-153-080	TR,2SC4215	AB
Q	205	89-342-153-080	TR,2SC4215	AB
TC	203	87-A91-183-080	C-TRIMMER,CER 10P TZC03	AB
TC	202	87-A91-185-080	C-TRIMMER,CER 30P TZC03	AB
VC	202	87-A40-655-080	C-VARI-CAP,HVU200A	AB
VC	201	87-A40-655-080	C-VARI-CAP,HVU200A	AB
C	224	87-010-787-080	CAP, U 0.022-25	AB
C	222	87-012-172-080	CAPACITOR CHIP U 10P CH	AB
C	221	87-012-184-080	C-CAP,U 33P-50 CH	AB
C	227	87-012-188-080	C-CAP,U 47P-50 CH	AB
C	223	87-012-247-080	C-CAP,U 18P-50JUJ	AB
C	225	87-012-273-080	C-CAP,U 820P-50 B	AB
C	226	87-012-286-080	CAP, U 0.01-25	AB
C	229	87-A10-262-080	C-CAP,U 1-10 ZF	AB
C	228	87-A10-703-080	C-CAP,TN 47-2.5 M A	AB
C	230	87-010-424-080	CAPACTOR,TANTAL 4.7-4	AB
C	238	87-010-829-080	CAP, U 0.047-16	AB
C	237	87-010-831-080	C-CAP,U,0.1-16F	AB
C	232	87-010-831-080	C-CAP,U,0.1-16F	AB
C	231	87-012-274-080	CHIP CAP,U 1000P-50B	AB
C	234	87-012-284-080	CAP, U 6800P-50	AB
C	233	87-012-284-080	CAP, U 6800P-50	AB
C	239	87-A10-915-080	C-CAP,U 1000P-25 J CH	AB
C	248	87-010-198-080	CAP, CHIP 0.022	AB
C	247	87-010-198-080	CAP, CHIP 0.022	AB
C	241	87-010-831-080	C-CAP,U,0.1-16F	AB
C	240	87-010-831-080	C-CAP,U,0.1-16F	AB
C	249	87-012-282-080	CAP, U 4700P-50	AB
C	245	87-012-286-080	CAP, U 0.01-25	AB
C	244	87-012-286-080	CAP, U 0.01-25	AB
C	243	87-012-336-080	CAP, CHIP SS 3300 SL	AB
C	242	87-A10-025-080	C-CAP,U 0.22-16Z F	AB
C	246	87-A10-703-080	C-CAP,TN 47-2.5 M A	AB
C	251	87-010-831-080	C-CAP,U,0.1-16F	AB
C	254	87-012-198-080	CAP 180P	AB
C	250	87-012-282-080	CAP, U 4700P-50	AB
C	253	87-A10-039-080	C-CAP,U 470P-50 J CH	AB
C	252	87-A10-262-080	C-CAP,U 1-10 ZF	AB
CF	254	87-A90-456-080	C-FLTR,PFWCC 450J3	AB
CF	252	87-A91-321-080	C-FLTR,SFECV10.7 MA-5-A-TC	AB
CF	251	87-A91-321-080	C-FLTR,SFECV10.7 MA-5-A-TC	AB
CF	253	87-A91-441-080	C-FLTR,CDACV10.7 MG50-A-TC	AB
IC	251	87-A20-076-040	C-IC,TA2022AFN	AB
L	252	87-003-247-080	C-COIL,100UH	AB
L	253	87-005-788-080	C-IFT,AM (450K)	AB
L	251	8A-HR5-606-010	BAR-ANT,MW	AB
Q	252	87-026-425-080	C-TR,RN2307	AB
Q	257	87-026-425-080	C-TR,RN2307	AB
Q	253	87-026-481-080	TR,RN4607 (0.3W)	AB
Q	255	89-342-153-080	TR,2SC4215	AB
Q	251	89-342-153-080	TR,2SC4215	AB
Q	256	89-342-153-080	TR,2SC4215	AB
Q	254	89-342-153-080	TR,2SC4215	AB
SFR	251	87-A91-466-040	C-SFR,K 22K H RH03AEC	AB
TC	251	87-A91-185-080	C-TRIMMER,CER 30P TZC03	AB
VC	251	87-A40-799-040	C-VARI-CAP,KV1610S	AB
C	306	87-010-787-080	CAP, U 0.022-25	AB
C	307	87-010-787-080	CAP, U 0.022-25	AB
C	302	87-012-286-080	CAP, U 0.01-25	AB
C	309	87-016-462-080	C-CAP,S 1-16 F	AB
C	301	87-016-462-080	C-CAP,S 1-16 F	AB
C	305	87-016-462-080	C-CAP,S 1-16 F	AB
C	303	87-A11-282-080	C-CAP,S 1-16 K B	AB

ELECTRICAL MAIN PARTS LIST - 3/3

C	310	87-010-196-080	CHIP CAPACITOR, 0.1-25	AB.....
D	301	87-001-166-080	DIODE, 1SS301	AB.....
D	302	87-001-166-080	DIODE, 1SS301	AB.....
D	303	87-A40-883-040	C-ZENER, 02DZ13-Y	AB.....
L	302	87-A50-367-080	C-COIL, 10UH LQG21F	AB.....
L	301	87-A50-631-080	C-COIL, DD-CONV	AB.....
Q	301	87-A30-085-040	C-TR, CSA1362GR	AB.....
Q	303	89-413-284-080	TR, 2SD1328T	AB.....
Q	302	89-413-284-080	TR, 2SD1328T	AB.....
C	601	87-010-805-080	CAP, S 1-16	AB.....
C	602	87-010-829-080	CAP, U 0.047-16	AB.....
C	609	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	608	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	607	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	606	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	603	87-012-176-080	CAP 15P	AB.....
C	604	87-012-176-080	CAP 15P	AB.....
C	605	87-A10-949-080	C-CAP, TN 10-10 M A	AB.....
C	614	87-010-787-080	CAP, U 0.022-25	AB.....
C	615	87-010-800-080	C-CAP TN 1-10 (A2)	AB.....
C	613	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	616	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	612	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	610	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	611	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	617	87-010-831-080	C-CAP, U, 0.1-16F	AB.....
C	618	87-012-274-080	CHIP CAP, U 1000P-50B	AB.....
C	650	87-016-436-080	C-CAP, TN 47-4 (B2)	AB.....
IC	602	87-A20-755-080	C-IC, AK93C45AF	AB.....
IC	601	87-A21-686-030	C-IC, TC9328AF-001	AB.....
IC	604	87-A21-690-040	C-IC, PST9008NL	AB.....
IC	603	87-A21-690-040	C-IC, PST9008NL	AB.....
L	602	87-A50-367-080	C-COIL, 10UH LQG21F	AB.....
L	601	87-A50-505-080	C-COIL, 4.7UH LQG21F	AB.....
LCD	601	8A-HR5-604-010	LCD, AIW4227 (AHR-5)	AB.....
Q	606	87-026-417-080	TR, RN1310	AB.....
Q	602	87-026-417-080	TR, RN1310	AB.....
Q	603	87-026-418-080	TR, RN1311 (0.1W)	AB.....
Q	605	87-A30-085-040	C-TR, CSA1362GR	AB.....
Q	601	87-A30-085-040	C-TR, CSA1362GR	AB.....
Q	608	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	AB.....
Q	607	89-508-804-080	CHIP FET 2SK880Y	AB.....
R	608	87-022-251-080	C-RES, U 33K-1/16W F	AB.....
R	615	87-022-245-080	C-RES U 18K-1/16WF	AB.....
R	617	87-022-253-080	C-RES U39K-1/16WF	AB.....
R	619	87-022-253-080	C-RES U39K-1/16WF	AB.....
S	608	87-036-379-180	C-SW, SL1-1-2 SS350	AB.....
S	607	87-A90-004-080	C-SW, SL1-1-3 MHT (NC)	AB.....
S	606	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	601	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	602	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	603	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	605	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	604	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
S	609	8A-HR5-605-010	SW, LEAF 7ZM-1 P4	AB.....
S	611	87-036-237-080	CHIP SWICH PUSH	AB.....
S	610	87-A91-780-080	C-SW, TACT LS15B3T	AB.....
X	601	87-A70-187-010	VIB, XTAL 75KHZ CFV206	AB.....

MECHANICAL PARTS LIST - 1/1

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

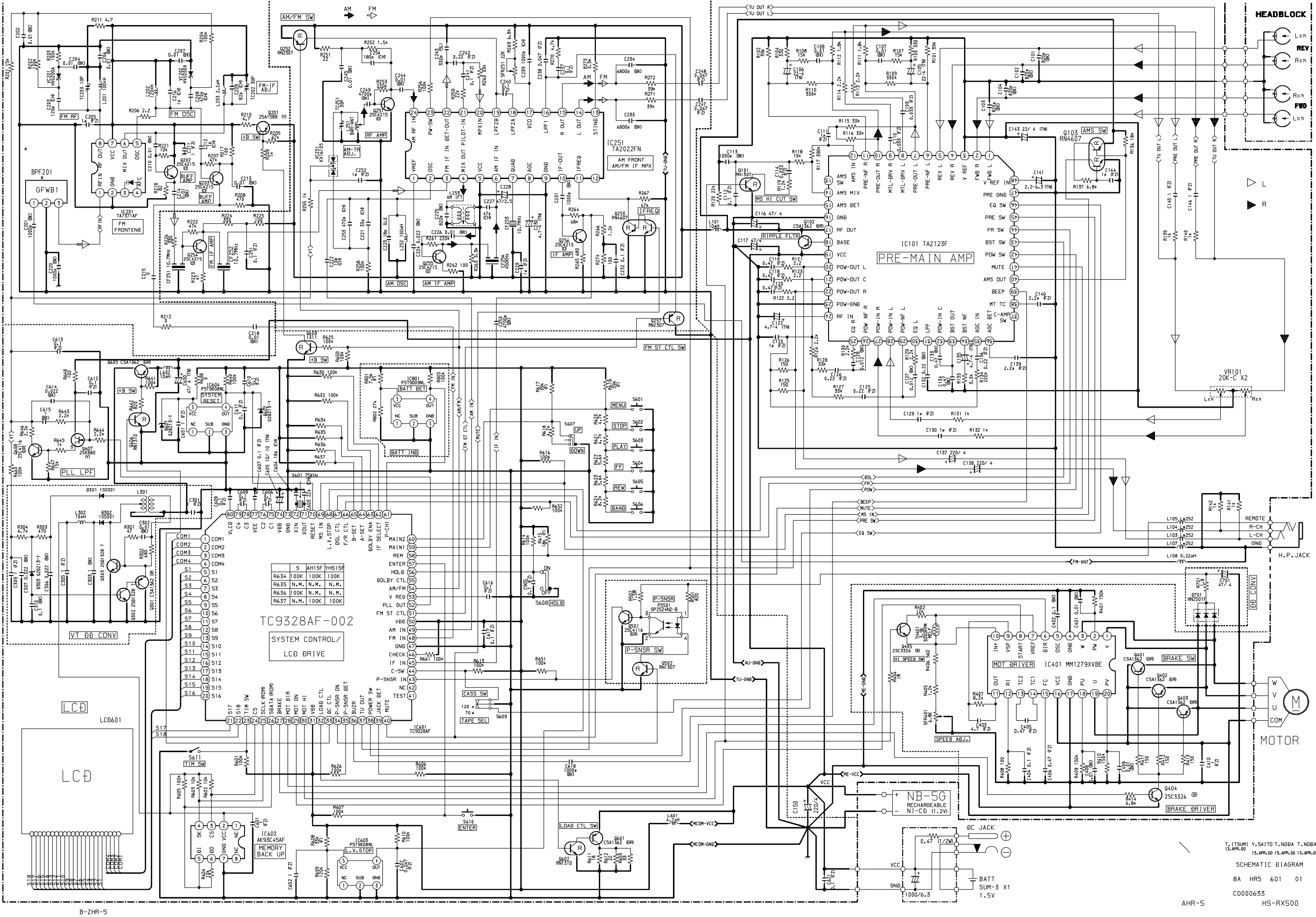
YH	XX.....	A.....		
AH	XX.....	B.....		
REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8A-HK5-003-010		WINDOW, CASS	AB.....
	8A-HR5-001-010		LID, CASS ASSY	AB.....
	87-HK5-237-010		S-SCREW, 1.4-2 CR NL	AB.....
	8Z-HK4-206-110		HLDR, ARM ASSY	AB.....
	8Z-HK4-228-010		SPR-P, LID	AB.....
*	8A-HK5-206-010		HLDR, LID	AB.....
	8A-HR5-003-010		FRAME, CTR	AB.....
	8A-HR5-004-010		FRAME, JACK	AB.....
	8A-HR5-006-010		LID, BATT	AB.....
	8A-HR5-012-010		CABI ASSY, REAR	AB.....
	8A-HK5-009-010		KNOB, SL OPEN	AB.....
	8A-HK5-011-010		KNOB, SL HOLD	AB.....
	8A-HR5-008-010		KEY, CONT	AB.....
	8A-HR5-009-010		KEY, SET	AB.....
	8A-HR5-010-010		KEY, RADIO	AB.....
	8A-HR5-011-010		KNOB, SL UP-DOWN	AB.....
	87-067-430-010		VT1.4-5 BLK	AB.....
	87-067-511-010		SCREW, V+1.4-2 BK	AB.....
	87-067-706-010		S-SCREW +1.4-1.8 (BLK)	AB.....
	87-067-734-010		SCREW 1.4-1.4 BLK N	AB.....
	87-078-153-010		SCRW, 1.4-2.5 CR	AB.....
*	87-067-596-010		SCREW, V+1.4-3	AB.....
*	88-HJ3-220-010		S-SCREW, +1.4-0.7-1 BLK NL	AB.....
*	8A-HR5-205-010		S-SCREW, +1.4-7.3 SWCH CR E	AB.....
*	8A-HR5-206-010		S-SCREW, +1.4-4 SWCH CR HL	AB.....
	8A-HJ2-224-010		SPR-T, LOCK	AB.....
	8A-HK5-204-010		BASE, LOCK	AB.....
	8A-HK5-207-010		LEVER, EJECT	AB.....
	8A-HK5-209-010		SPR-P, CASS	AB.....
	8A-HK5-210-010		SPR-C, OPEN	AB.....
	8A-HR5-207-010		BAT-CONTACT, (-)	AB.....
	8A-HR5-208-010		BAT-CONTACT, BOX (-)	AB.....
	8A-HR5-209-010		SHAFT, ASSY	AB.....
	8A-HR5-212-010		SPR-T, TUN	AB.....
	8A-HR5-215-010		CAP, PWB FW	AB.....
	8Z-HK4-210-010		NUT, B-BOX	AB.....
	8Z-HK4-212-010		BAT-CONTACT, (+)	AB.....
	8Z-HR5-205-010		JOINT, LCD	AB.....
*	8A-HK5-205-010		PLATE, OPEN	AB.....
*	8A-HK5-221-010		PLATE, LOCK K5	AB.....
*	8A-HR5-201-010		HLDR, BAT	AB.....
*	8A-HR5-202-010		HLDR, CONT	AB.....
*	8A-HR5-203-010		HLDR, JACK	AB.....
*	8A-HR5-204-010		HLDR, LCD	AB.....
*	8Z-HR5-204-010		GUIDE, LCD	AB.....

ACCESSORIES / PACKAGE LIST - 1/1

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

YH	XX.....	A.....
AH	XX.....	B.....
REF.NO	PARTS NO.	NO. DESCRIPTION SUFFIX
	8A-HR5-902-010	IB, H (ECC) S .B.....
	8A-HR5-903-010	IB, YHS (EC) S A.....
	87-B30-298-010	BAT, NB-5G (S) AB.....
	87-B30-341-010	CHARGER, RB-107 H (L) .B.....
	87-B30-390-010	HEADPHONE, HP-M041 (S) S AB.....
	8A-HR5-951-010	RC UNIT, RC500 AB.....
	8Z-HK4-090-010	BOX, BAT ASSY SIL AB.....

SCHEMATIC DIAGRAM



アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03 (3827) 3111 (代表)
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111