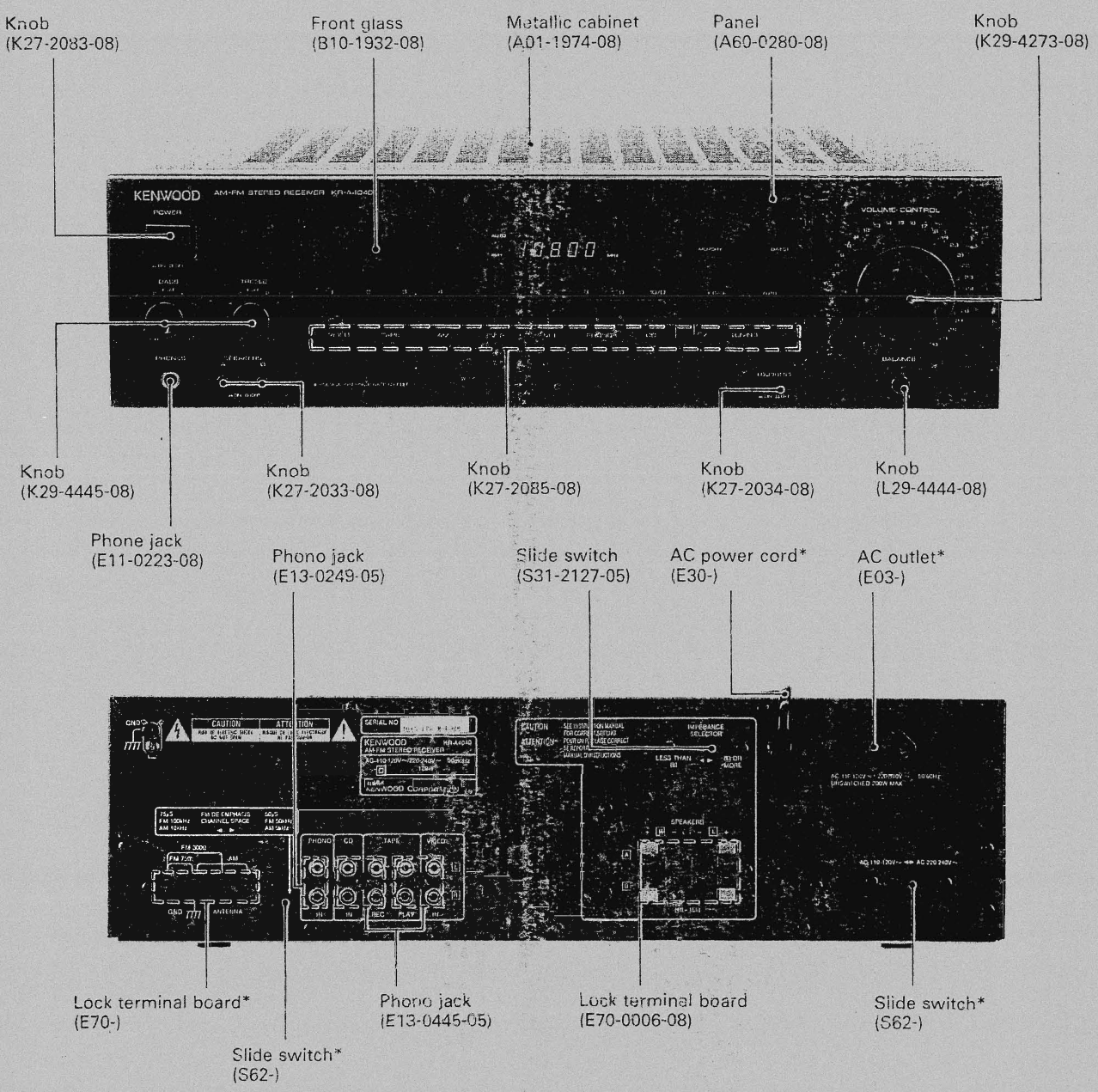
AM-FM STEREO RECEIVER

KR-A4040

SERVICE MANUAL

KENWOOD

B51-4513-00(S)3412



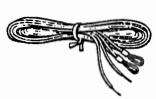
*Refer to parts list on page 22

CONTENTS/ACCESSORIES

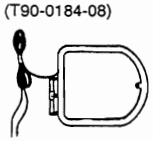
Contents

Accessories

FM indoor antenna 1
(T90-0176-05)

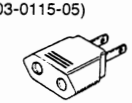


AM loop antenna 1
(T90-0184-08)



Loop antenna holder 1
(J19-2815-04)

AC plug adaptor 1
(M type only)
(E03-0115-05)



Antenna adaptor
(75 Ω/300 Ω) 1
(E type only)
(T90-0185-05)

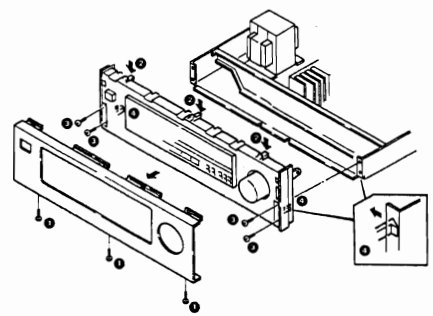
KR-A4040

DISASSEMBLY FOR REPAIR

Note: Remove the case before starting

Removing the front panel and sub-panel

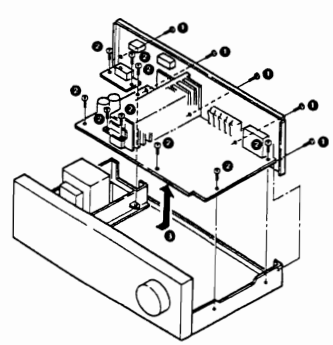
1. Remove the three screws ❶ and three claws ❷, then remove the front panel.
2. Remove the four screws ❸ and two claws ❹, then remove the sub-panel.



Removing the main PC board

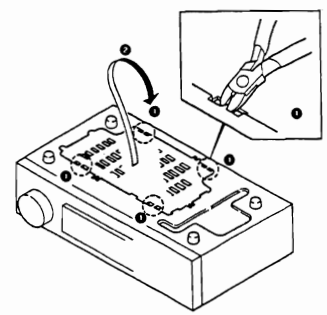
The main PC board can be removed even if the front panel and sub-panel have not been.

1. Remove the five screws ❶ from the rear panel.
2. Remove the nine screws ❷.
3. Remove the main PC board in the direction of arrow ❸.



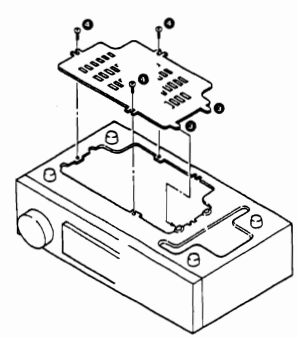
How to remove the repairing chassis

1. Cut the four parts ❶ of the repairing chassis. Remove the repairing chassis from main chassis.



After repair

2. Turn the repairing chassis 180 degrees in the arrow direction ❷.
3. Insert the two claws ❸ into main chassis.
4. Lock to the main chassis by three screws (M3 × 6) ❹.



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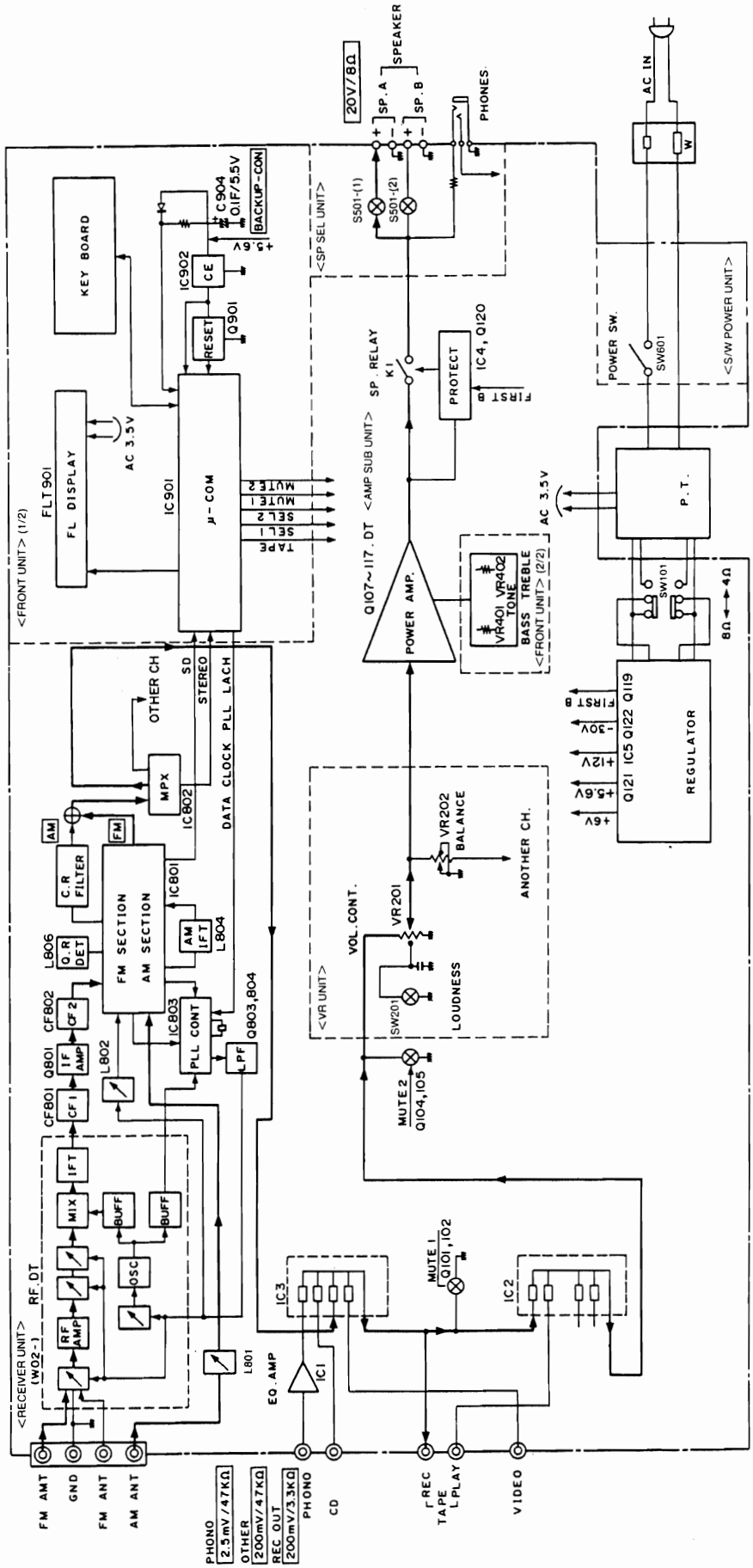
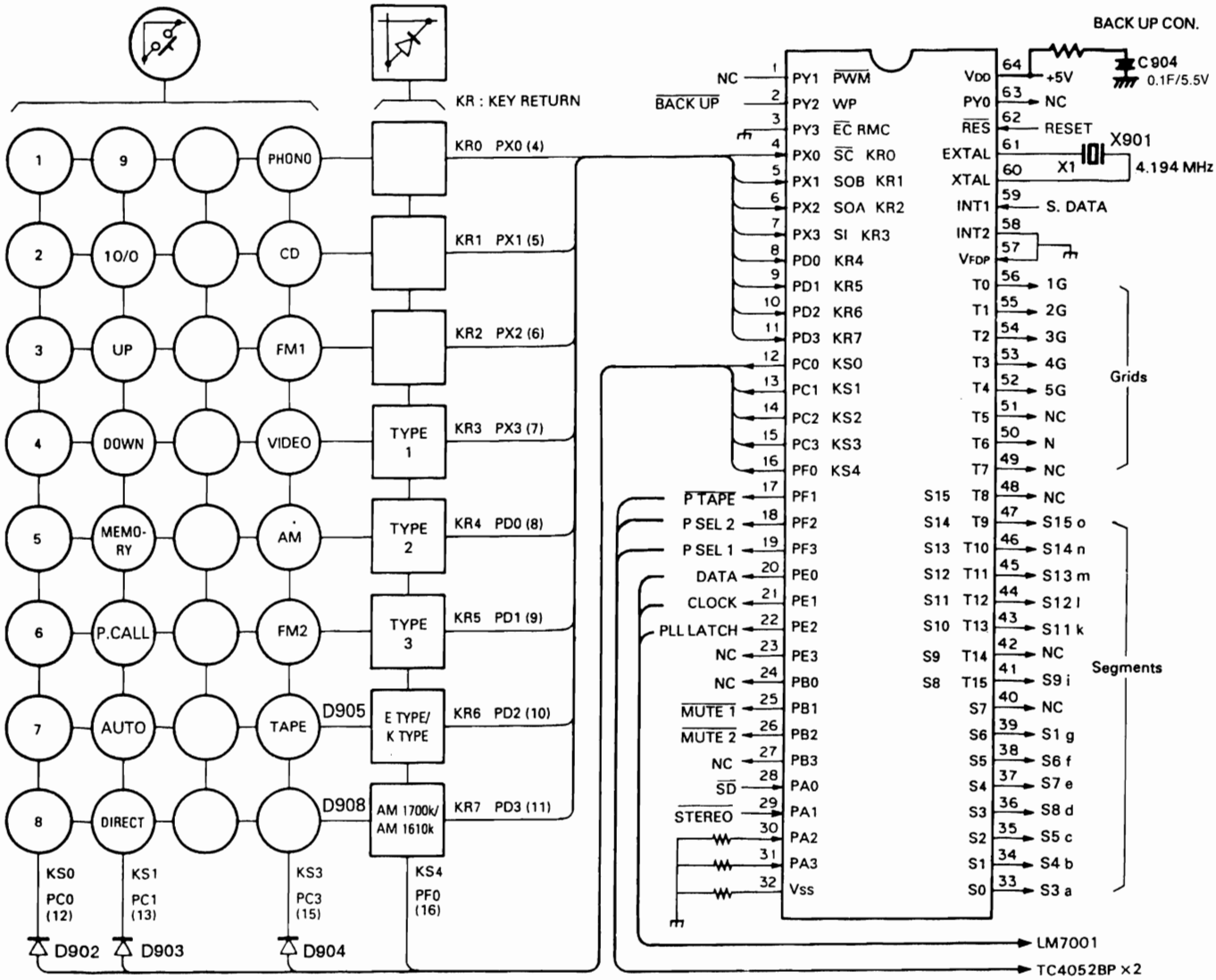
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. CXP5016-531S: Receiver microprocessor (FRONT UNIT: IC901)

1-1. Key Matrix connections



1-2. Setting of destinations, models and specifications depending upon diode key matrix

The setting of destinations, models and specifications is made according to the initial set diode key matrix.

In the following, "1" means "with diodes" and "0", "without diodes".

1)Model Set SW

Model set SW			MODEL	Function				
TYPE 1	TYPE 2	TYPE 3		TUNER BAND	DOLBY SURROUND	VOL.CONT with Motor	Switched VIDEO1, 2	REMOCON
0	0	1	KR-V6040 (OTHER)	FM1→FM2→AM	Provided	Provided	Provided	Provided
1	0	1	KR-V6040 (E TYPE)	↑	Not provided	↑	↑	↑
0	1	0	KR-A5040	↑	↑	↑	Not provided	↑
0	0	0	KR-A4040	FM1, FM2, AM	↑	Not provided	↑	Not provided

CIRCUIT DESCRIPTION

1-3. Initial Setting

1) Function initial setting

Last channel memory ..... FM : 87.5MHz
..... AM (K) : 530kHz
..... AM (E) : 531kHz
Tuning mode ..... Auto
Input selector FM1
Muting ..... OFF

2) Microprocessor output port initial setting

Any figure in ( ) is a pin number.

MUTE 1 (25) ..... H
MUTE 2 (26) ..... H

The initial setting is performed in a following event :

1. When backup memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall outlet while pressing the FM1 key.

1-4. Test Mode Setting

1) Method of entering the test mode

1. While pressing the CD key, plug the power cord to the AC wall outlet. When the test mode is entered, the FL tube display all lights.

2) Method of canceling the test mode

1. Unplug the power cord from the AC wall outlet once.
2. Send the reset signal to the RESET pin or some other means to reset the microprocessor.

3) Contents of test mode

1. When the test mode is entered, the FL tube display all lights. This all lighting continues unless the test mode is canceled.
2. The test frequency is stored in memory for each preset channel. (For each frequency to be stored in memory, refer to its associated listing.)

1-5. Frequency memorized for each PRESET channel when the memory is cleared (Test frequency)

BAND	FM1		FM2		AM	
Destination	K	E	K	E	K	E
1	87.5 MHz	87.5 MHz	87.5 MHz	87.5 MHz	530 kHz	531 kHz
2	89.1	89.1	87.5	87.5	630	630
3	90.0	90.0	87.5	87.5	990	990
4	92.0	92.0	87.5	87.5	1440	1440
5	94.0	94.0	87.5	87.5	1610	1602
6	98.0	98.0	87.5	87.5	1700*	531
7	100.1	100.1	87.5	87.5	530	531
8	102.0	102.0	87.5	87.5	530	531
9	106.0	106.0	87.5	87.5	530	531
10	108.0	108.0	87.5	87.5	530	531

* 1700 kHz is set for WIDE only.

1-6. Destination set SW: E type/K type

Destination set SW	Destination	Band	Reception frequency band	Channel space	Reference frequency
0	K	FM	87.5~108.0MHz	100kHz	50kHz
		AM	530~1610kHz 530~1700kHz	10kHz	10kHz
1	E	FM	87.5~108.0MHz	50kHz	50kHz
		AM	531~1602kHz	9kHz	9kHz

0: Without diode
1: With diode (D905 or Q902 ON state)

1-7. Specification set SW: AM 1700k/AM 1610k

With destination set SW at "0" : Effective only for K TYPE

Specification set SW	AM reception frequency band
0	530~1610kHz
1	530~1700kHz

0: Without diode
1: With diode (D908)

CIRCUIT DESCRIPTION

1-8. Pin description

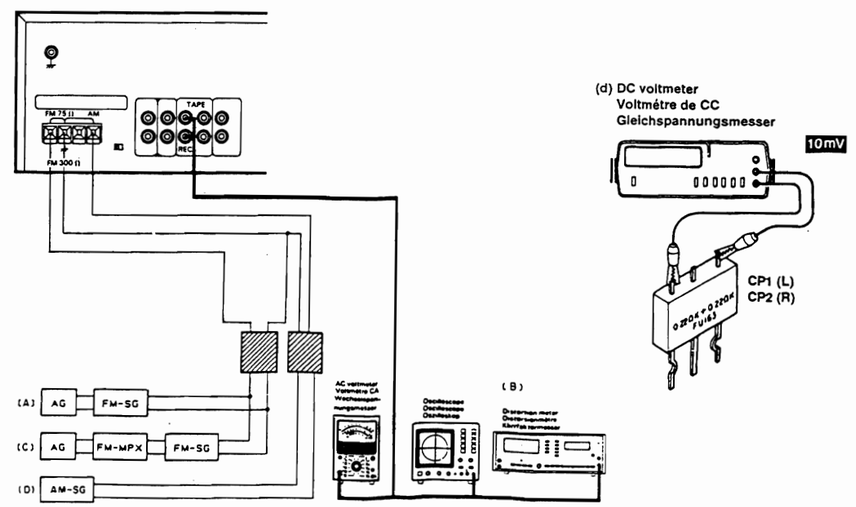
Pin No.	Pin name	I/O	Name	Function
1	PY1	O	—	N.C.
2	PY2	I	$\overline{\text{BACK UP}}$	Backup (AC outlet off) detection. High: Normal state / Low: AC outlet off When the power is switched on, high is input. When low is input, the microprocessor stops clock generation and enters the backup state. When the signal changed from low to high, the backup state changes to the normal state.
3	RMC	I	—	GND.
4~11	PX0~PX3 PD0~PD3	I	KR0~KR7	KEY RETURN signal input. High: There is input. / Low: There is no input.
12~16	PC0~PC3 PF0	O	KS0~KS4	KEY SCAN signal output. Normally high is output. Key scan is performed when KEY is ON.
17	PF1	O	$\overline{\text{PTAPE}}$	TC4052BP (selector IC) control. High: OFF Tape monitor on/off control. Low: ON
18	PF2	O	PSEL2	TC4052BP (selector IC) control.
19	PF3	O	PSEL1 (H9070)	TC4052BP (selector IC) control.
20	PE0	O	DATA	LM7001(PLL IC) control serial data output. Data is latched on the rising edge of the clock.
21	PE1	O	CLOCK	LM7001, control serial data transfer shift clock output. Data is latched on the rising edge of the clock
22	PE2	O	PLLLT	CE signal output to LM7001. When the signal is high, LM7001 is enabled.
23	PE3	O	—	N.C.
24	PB0	O	—	N.C.
25	PB1	O	$\overline{\text{MUTE 1}}$	TAPE REC OUT mute control. High: MUTE OFF / Low: MUTE ON
26	PB2	O	$\overline{\text{MUTE 2}}$	LINE OUT mute control. High: MUTE OFF / Low: MUTE ON
27	PB3	O	—	N.C.
28	PA0	I	$\overline{\text{SD}}$	Tuner tuned detection. High: NO SIGNAL / Low: TUNED
29	PA1	I	$\overline{\text{STEREO}}$	Tuner FM stereo detection. High: MONO / Low: Stereo
30	PA2	I/O	—	Unused pin.
31	PA3	I/O	—	Unused pin.
32	Vss	—	GND	GND.
33~47	S0~S14	O	Sa~So	Fluorescent display segment drive signal output.
48~51	T8~T5	O	—	N.C.
52~56	T4~T0	O	G5~G1	Fluorescent display digit drive signal output.
57	V_{FDP}	—	—	Unused pin. This pin and GND are shorted.
58	INT2	I	—	Unused pin. This pin and GND are shorted.
59	INT1	I	SDATA	This pin and serial data input pin 30 are shorted.
60	XTAL	O	XTAL	Clock generation circuit output.
61	EXTAL	I	EXTAL	Clock generation circuit input.
62	RST	I	RESET	Reset signal input.
63	PY0	O	—	N.C.
64	V_{DD}	—	V_{DD}	+5 V power supply.

KR-A4040

ADJUSTMENT

AM.Section: If alignment piont is "-", Confirm the value.
If not,replace the front end pack.

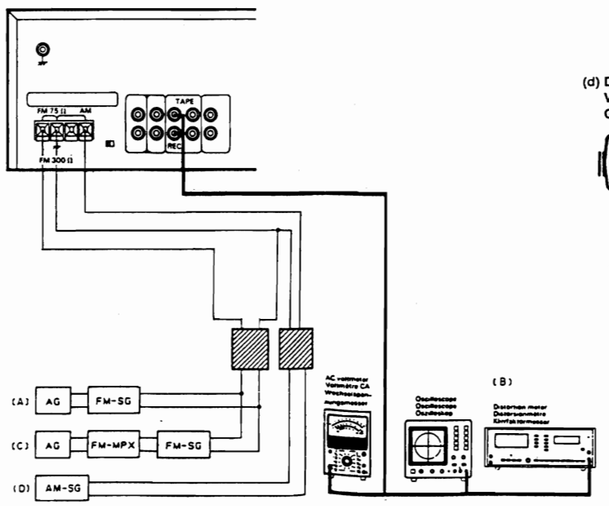
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		SELECTOR: FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev. 60dBμ(ANT.input)	Connect a DC voltmeter between TP803 and TP804. (RECEIVER UNIT)	AUTO or MONO 98.0MHz	L806 (RECEIVER UNIT)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ(ANT.input)	Connect a frequency counter between TP805 and TP806. (RECEIVER UNIT)	AUTO 98.0MHz	VR802 (RECEIVER UNIT)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev. Selector:L or R Pilot:±6.75kHz dev. 60dBμ(ANT.input)	(B)	98.0MHz	IFT (W02-)	Minimum distortion. (L or R)	
4	SEPARATION (E type only)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:6kHz dev. Selector:L or R 60dBμ(ANT.input)	(B)	AUTO 98.0MHz	VR803 (RECEIVER UNIT)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0 dev 18dBμ(ANT.input)	(B)	AUTO or MONO 98.0MHz	VR801 (RECEIVER UNIT)	Adjust VR801 and stop at the point where FLT901(TUNED)goes on.	
AM SECTION		SELECTOR: AM					
(1)	TUNING LEVEL	(D) 1000(999)kHz 26dBμ(ANT.input)	(B)	-	VR804 (RECEIVER UNIT)	Adjust VR804 and stop at the point where FLT901(TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	—	Connect a DC voltmeter across CP1(L) CP2(R) (RECEIVER UNIT)	Volume:0	VR101(L) VR102(R) (RECEIVER UNIT)	10mV	(d)

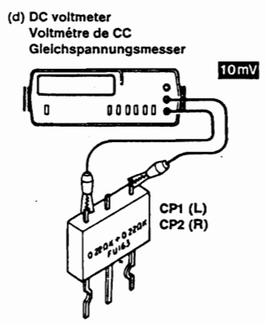


ADJUSTMENT

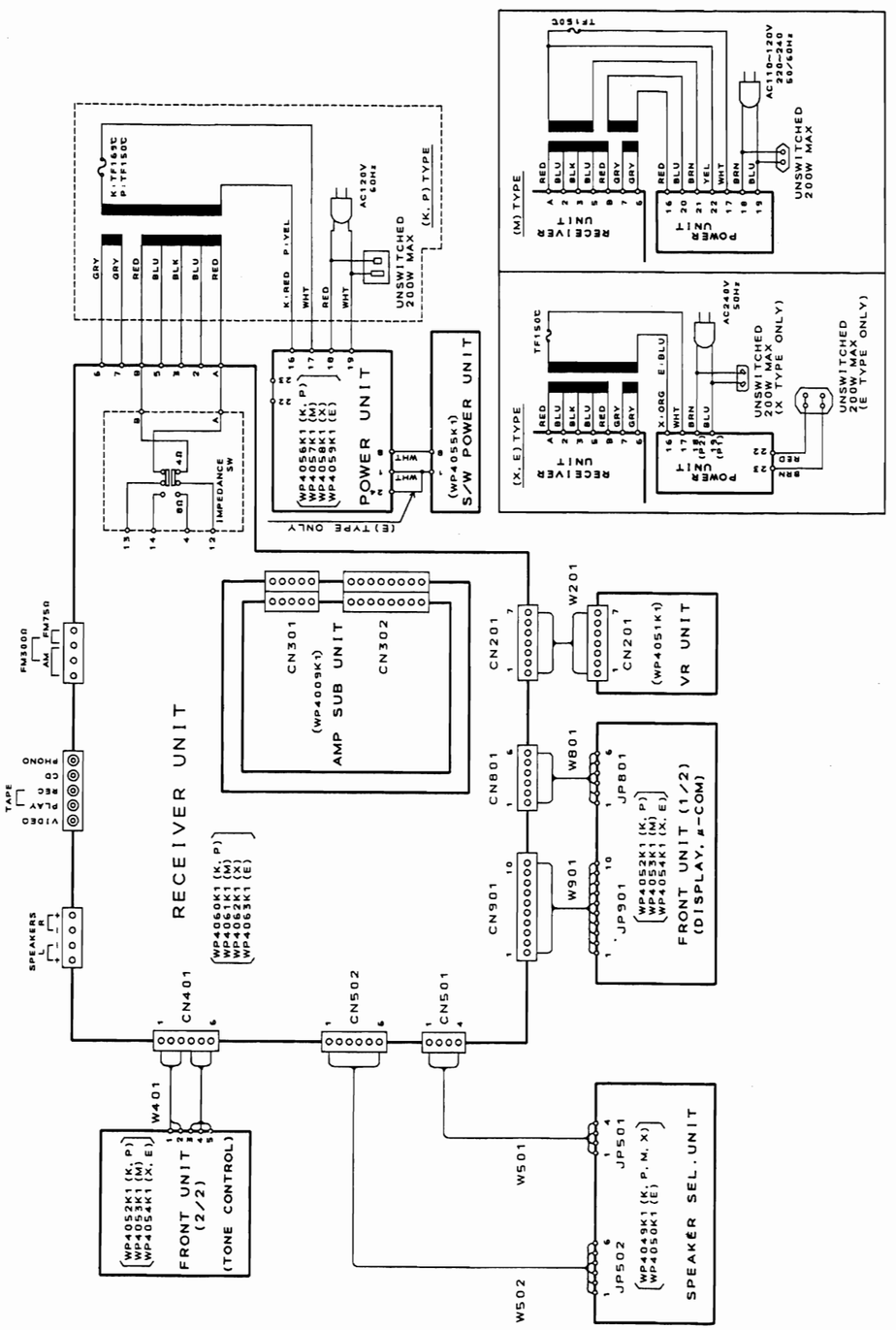
AM.Section: If alignment piont is "-", Confirm the value.
If not,replace the front end pack.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		SELECTOR: FM					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev. 60dBμ(ANT.input)	Connect a DC voltmeter between TP803 and TP804. (RECEIVER UNIT)	AUTO or MONO 98.0MHz	L806 (RECEIVER UNIT)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ(ANT.input)	Connect a frequency counter between TP805 and TP806. (RECEIVER UNIT)	AUTO 98.0MHz	VR802 (RECEIVER UNIT)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev. Selector:L or R Pilot:±6.75kHz dev. 60dBμ(ANT.input)	(B)	98.0MHz	IFT (W02-)	Minimum distortion. (L or R)	
4	SEPARATION (E type only)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:6kHz dev. Selector:L or R 60dBμ(ANT.input)	(B)	AUTO 98.0MHz	VR803 (RECEIVER UNIT)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0 dev 18dBμ(ANT.input)	(B)	AUTO or MONO 98.0MHz	VR801 (RECEIVER UNIT)	Adjust VR801 and stop at the point where FLT901(TUNED)goes on.	
AM SECTION		SELECTOR: AM					
(1)	TUNING LEVEL	(D) 1000(999)kHz 26dBμ(ANT.input)	(B)	-	VR804 (RECEIVER UNIT)	Adjust VR804 and stop at the point where FLT901(TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	-	Connect a DC voltmeter across CP1(L) CP2(R) (RECEIVER UNIT)	Volume:0	VR101(L) VR102(R) (RECEIVER UNIT)	10mV	(d)



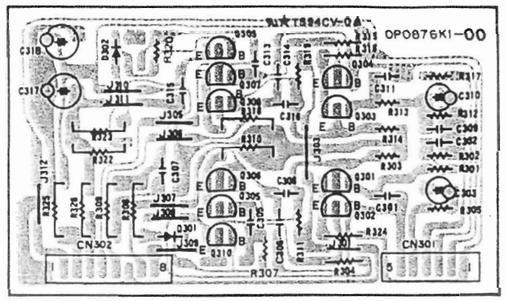


WIRING DIAGRAM



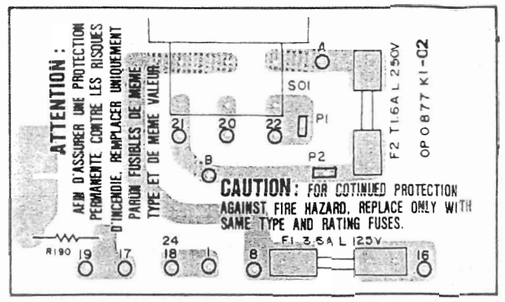
PC BOARD (Component side view)

〈AMP SUB UNIT〉

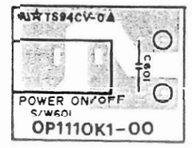


〈POWER UNIT〉

AC220-240V~ ◄► AC110-120V~



〈S/W POWER UNIT〉



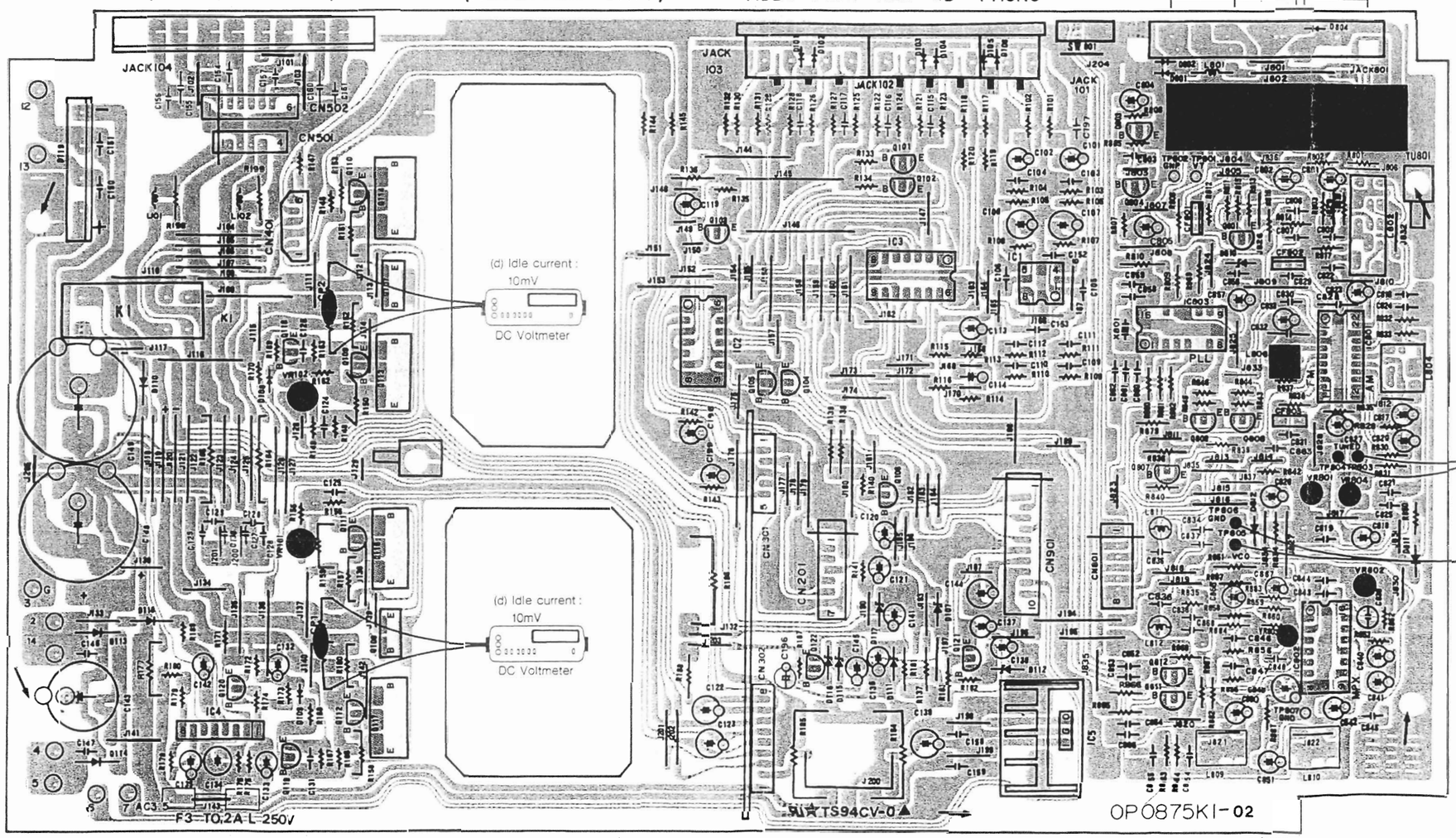
SPEAKERS L + − R − +

〈RECEIVER UNIT〉

TAPE VIDEO PLAY REC CD PHONO

FM DE-EMPHASIS
CHANNEL SPACE
50μS FM 50kHz AM 9kHz ◄► 75μS FM 100kHz AM 10kHz

FM300Ω AM FM75Ω



Refer to the schematic diagram for the values of resistors and capacitors.

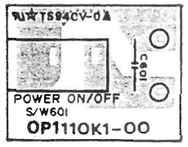
SPEAKERS

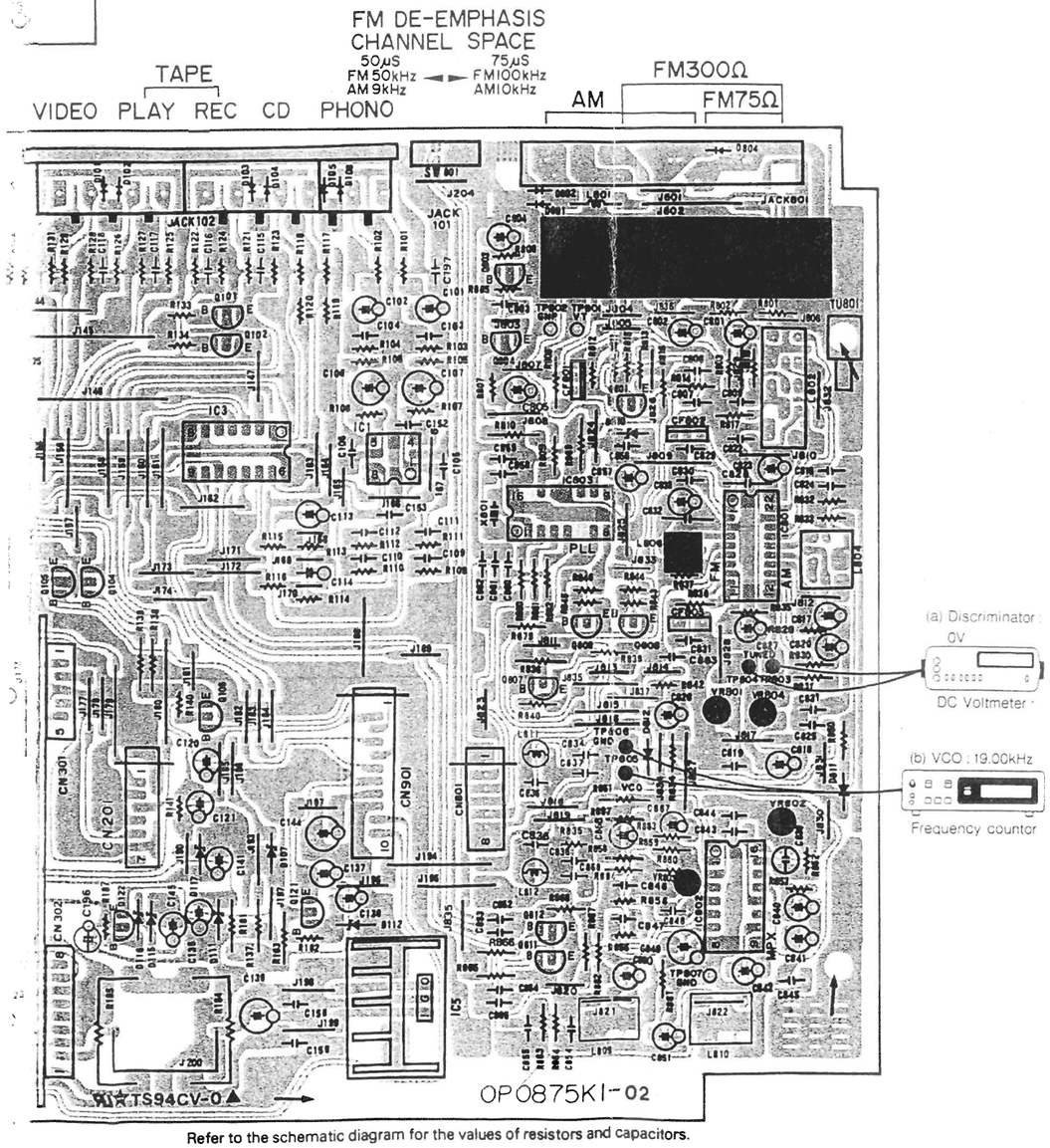
PHONES

LOUDNESS

BALANCE

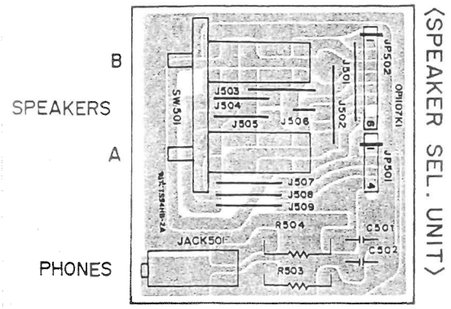
〈S/W POWER UNIT〉



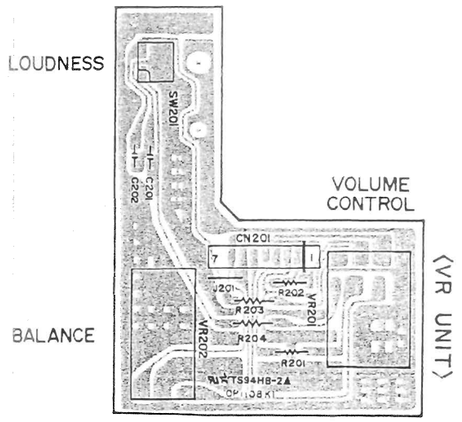


Refer to the schematic diagram for the values of resistors and capacitors.

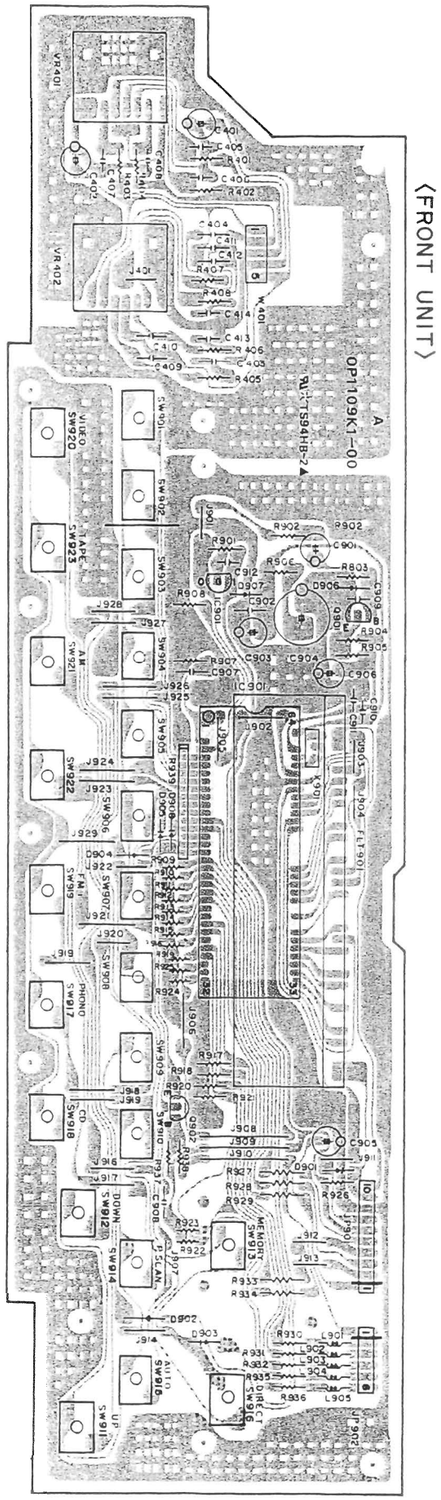
〈SPEAKER SEL. UNIT〉

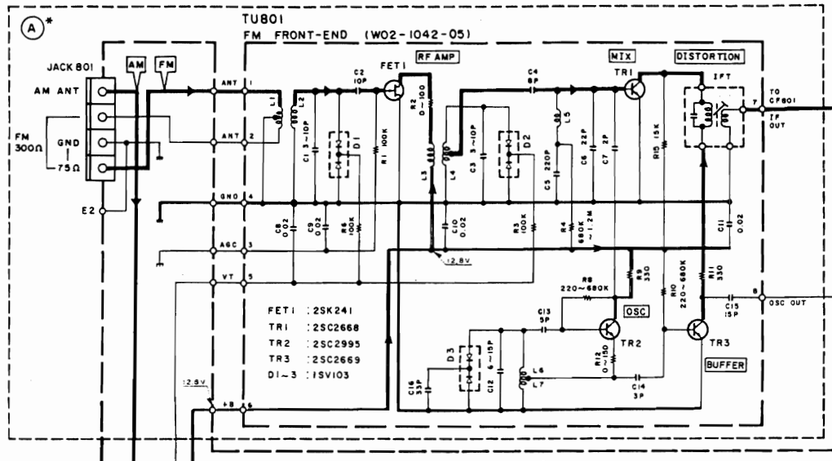


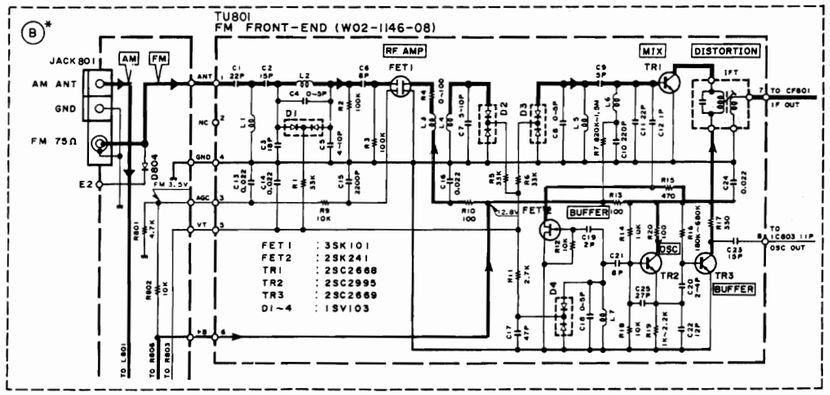
〈VR UNIT〉



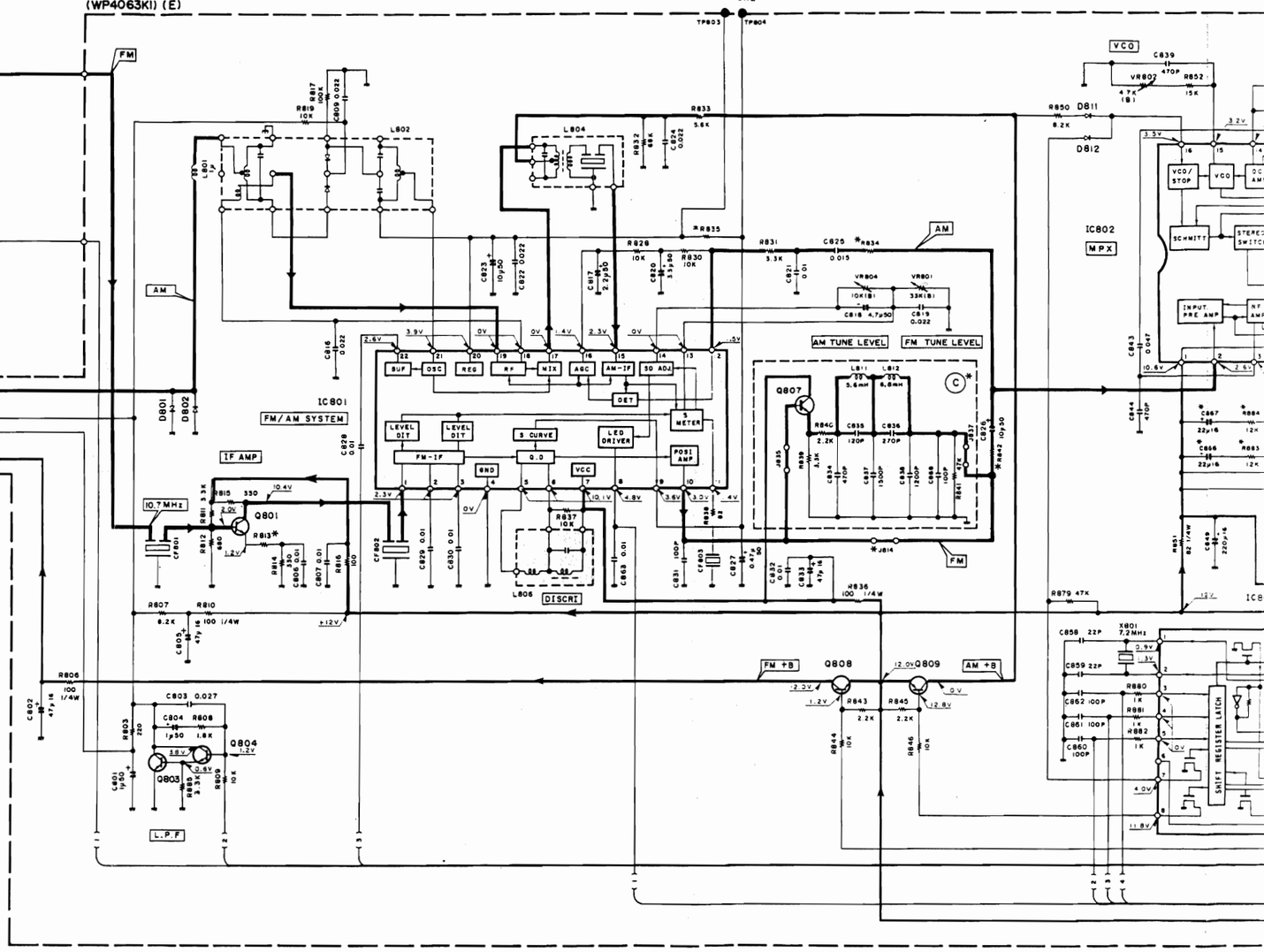
〈FRONT UNIT〉







RECEIVER UNIT
(WP4060K1) (K,P)
(WP4061K1) (M)
(WP4062K1) (X)
(WP4063K1) (E)

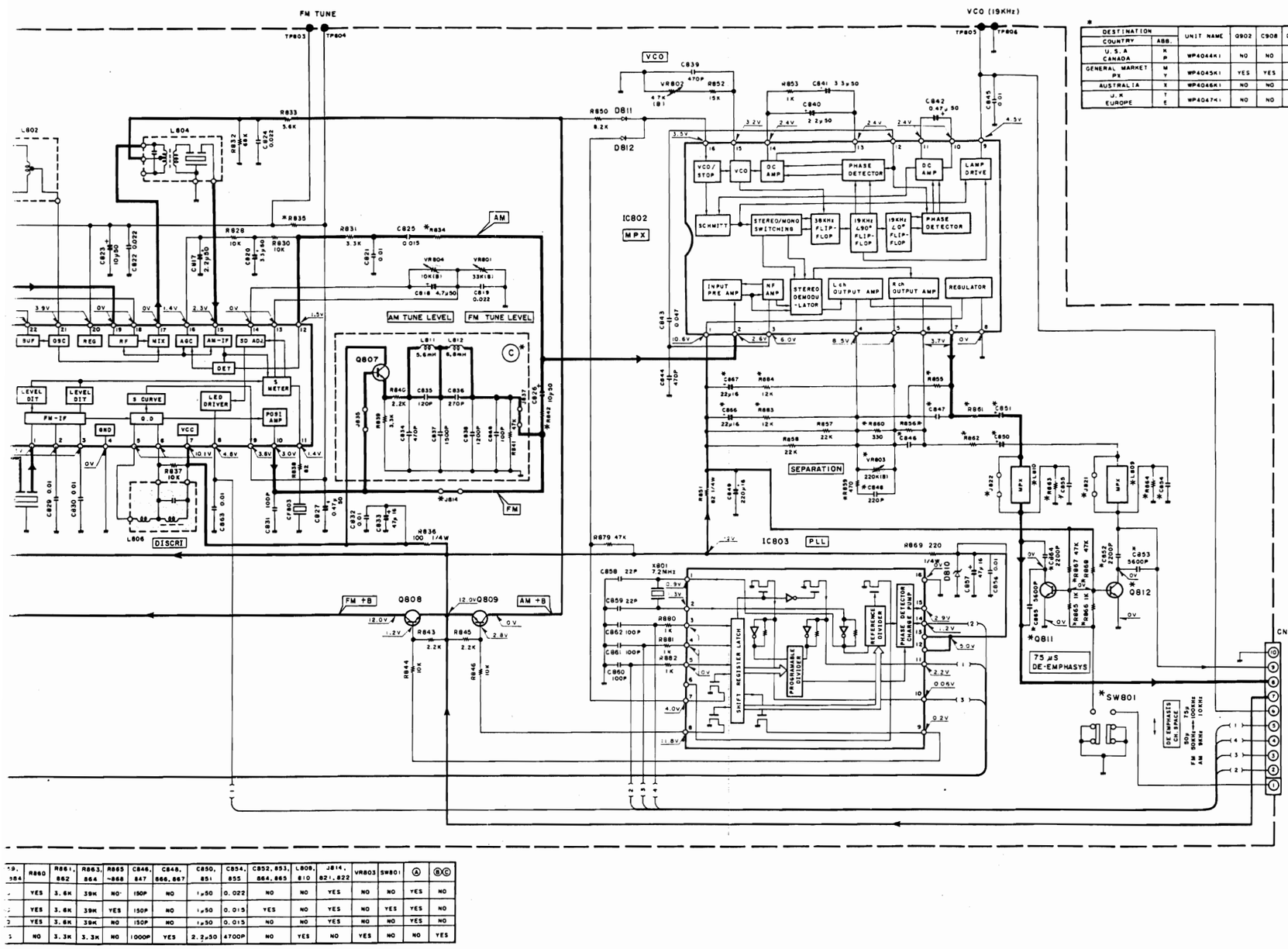


IC801	: LA1265
IC802	: AN7470
IC803	: LM7001
Q801	: 2SC1923
Q803, 807, 811, 812	: 2SC1740S(Q, R)
Q804	: 2SC1845(F, E)
Q808, 809	: 2SA933S(Q, R)
D801, 802, 804, 811, 812	: 1SS133
D810	: RD5.1ES(B2)

*

DESTINATION		UNIT NAME	Q811, 812	R813	R834	R835	R842	R855, 856	R858, 883, 884	R860	R861, 862	R863, 864	R865 ~868	C846, 847	C848, 866, 867	C850, 851	C854, 855	C852, 853, 864, 865	L809, 810	J814, 821, 822	VR803	SW801	Ⓐ	Ⓑ Ⓒ
COUNTRY	ABB.																							
U.S.A CANADA	K P	WP4060K1	NO	56	36K	15K	39K	51K	NO	YES	3.6K	39K	NO	150P	NO	1μ50	0.022	NO	NO	YES	NO	NO	YES	NO
GENERAL MARKET	M	WP4061K1	YES	56	36K	39K	39K	51K	NO	YES	3.6K	39K	YES	150P	NO	1μ50	0.015	YES	NO	YES	NO	YES	YES	NO
AUSTRALIA	X	WP4062K1	NO	56	36K	39K	39K	51K	NO	YES	3.6K	39K	NO	150P	NO	1μ50	0.015	NO	NO	YES	NO	NO	YES	NO
EUROPE	E	WP4063K1	NO	22	47K	39K	47K	47K	YES	NO	3.3K	3.3K	NO	1000P	YES	2.2μ50	4700P	NO	YES	NO	YES	NO	NO	YES

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



DESTINATION		UNIT NAME	Q902	C908	D912	D919	R909, 910
COUNTRY	ABB.						
U.S.A. CANADA	K P	WP4044K1	NO	NO	NO	YES	NO
GENERAL MARKET PX	M Y	WP4045K1	YES	YES	NO	NO	YES
AUSTRALIA	X	WP4046K1	NO	NO	YES	NO	NO
U.K. EUROPE	T E	WP4047K1	NO	NO	YES	NO	NO

DESTINATION		UNIT NAME	Q902	Q905	Q908	R937, 938	C908
COUNTRY	ABB.						
U.S.A. CANADA	K P	WP4052K1	NO	NO	YES	NO	NO
GENERAL MARKET	M	WP4053K1	YES	NO	NO	YES	YES
AUSTRALIA EUROPE	X E	WP4054K1	NO	YES	NO	NO	NO

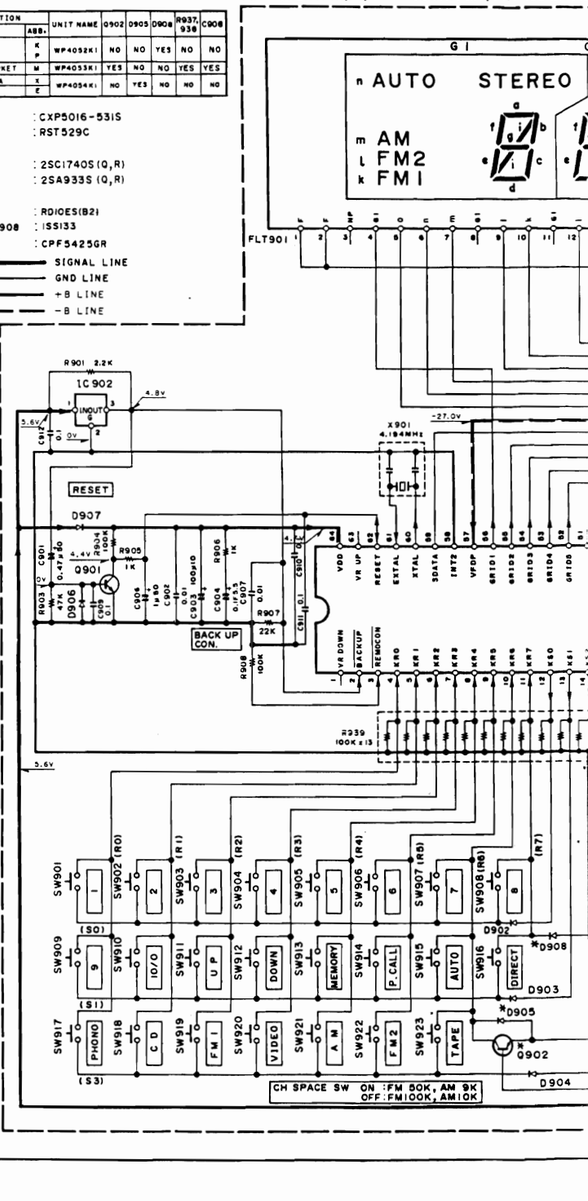
IC901 : CXP5016-531S
IC902 : RST529C

Q901 : 2SC1740S(Q,R)
Q902 : 2SA933S(Q,R)

D901 : RD10ES(B2)
D902 ~ 908 : 1SS133
FLT901 : CPF5425GR

SIGNAL LINE
GND LINE
+B LINE
-B LINE

FRONT UNIT(1/2)
(WP4052K1)(K,P), (WP4053K1)(M), (WP4054K1)(X,E)



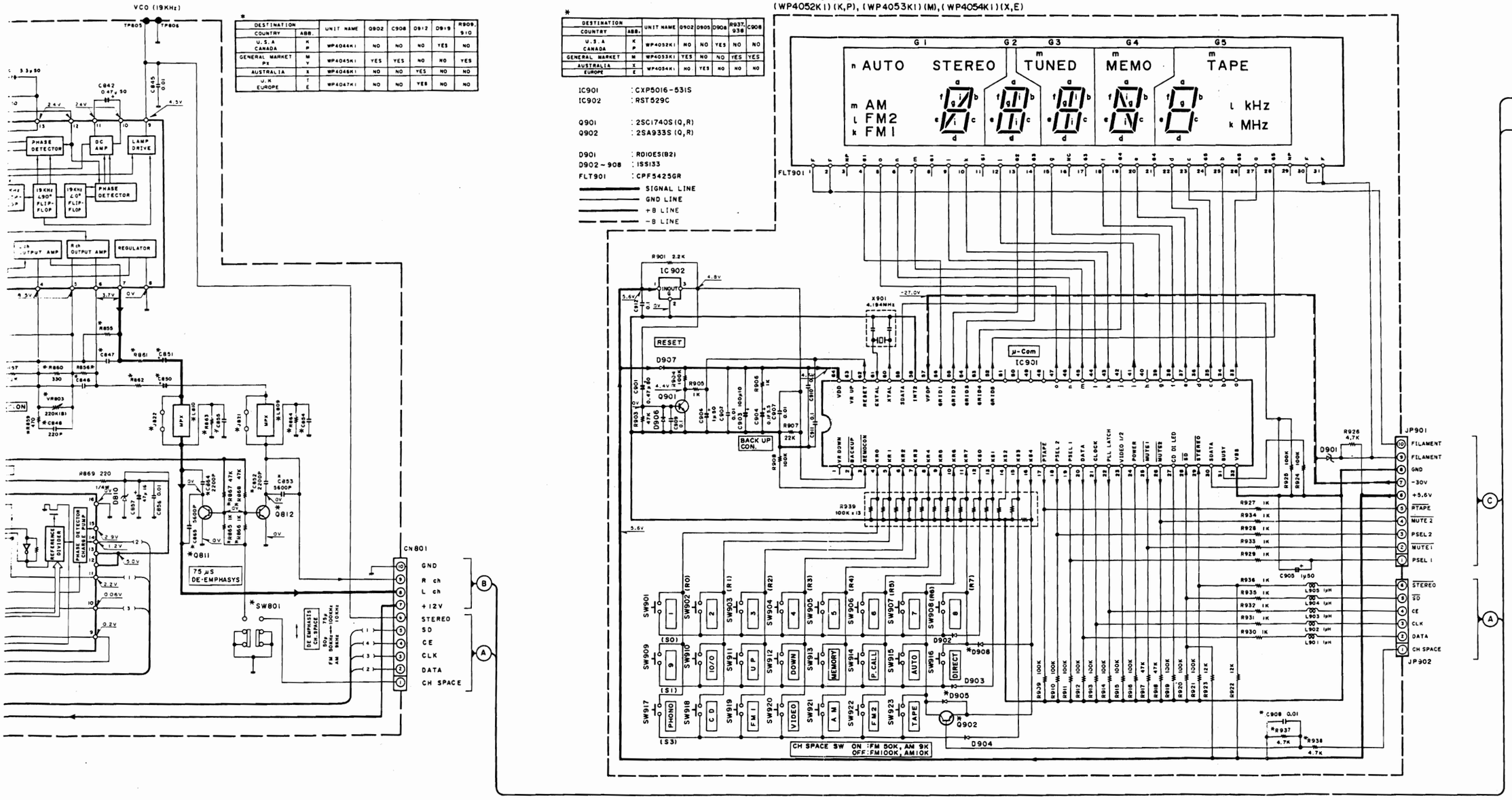
R860	R861, 862	R863, 864	R865 ~868	C846, 847	C848, 866, 867	C850, 851	C854, 855	C852, 853, 864, 865	L808, 810	J814, 821, 822	VR803	SW801	Ⓐ	ⒷⒸ
YES	3.6K	39K	NO	150P	NO	1μ50	0.022	NO	NO	YES	NO	NO	YES	NO
YES	3.6K	39K	YES	150P	NO	1μ50	0.015	YES	NO	YES	NO	YES	YES	NO
YES	3.6K	39K	NO	150P	NO	1μ50	0.015	NO	NO	YES	NO	NO	YES	NO
NO	3.3K	3.3K	NO	1000P	YES	2.2μ50	4700P	NO	YES	NO	YES	NO	NO	YES

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.



KR-A4040(K)(1/2)
KR-A4030(K)(1/2)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

Y05-2650-10

KR-A4040

KENWOOD

RECEIVER UNIT
(WP4060KI)(K,P)
(WP4061KI)(M)
(WP4062KI)(X)
(WP4063KI)(E)

IC3 TRUTH TABLE		
OUTPUT Lch ⑬, Rch ③	PIN NO. 9	10
PHONO	L	H
CD	H	L
TUNER	L	L
VIDEO	H	H

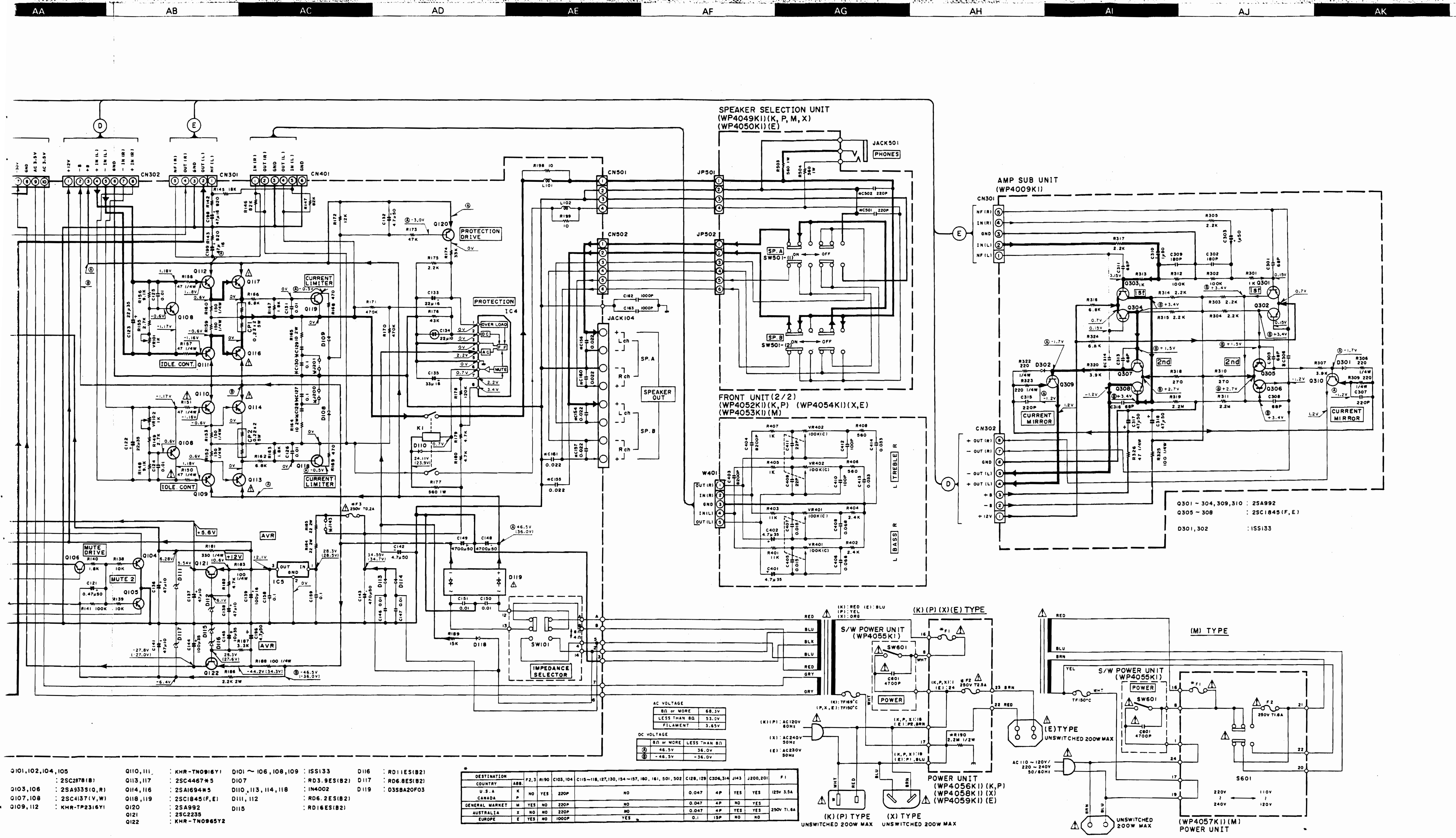
IC2 TRUTH TABLE	
TAPE SELECTOR Lch ⑬, Rch ③	PIN NO. 10
TAPE REC	H
TAPE PLAY	L

VR UNIT
(WP405IKI)

IC1	: NJM4558DD	Q101,102,104,105	: 2SC2878(B)
IC2,3	: TC4052BP	Q103,106	: 2SA933S(Q,R)
IC4	: μPC1237HA	Q107,108	: 2SC4137(V,W)
IC5	: μPC7812HF	Q109,112	: KHR-TP2316Y1
		Q110,111	: KHR-TN0916Y1
		Q113,117	: 2SC4467#5
		Q114,116	: 2SA1694#5
		Q118,119	: 2SC1845(F,E)
		Q120	: 2SA992
		Q121	: 2SC2235
		Q122	: KHR-TN0965Y2

D101 ~ 106,108,109	: ISS133	D116	: RD11ES(B2)
D107	: RD3.9ES(B2)	D117	: RD6.8ES(B2)
D110,113,114,118	: IN4002	D119	: D3SBA20F03
D111,112	: RD6.2ES(B2)		
D115	: RD16ES(B2)		

* DESTINATION		F2,3	R190	C103,104	C115~118,127,130,154~157,160,161,501,
COUNTRY	ABB.				
U.S.A	K	NO	YES	220P	NO
CANADA	P				
GENERAL MARKET	M	YES	NO	220P	NO
AUSTRALIA	X	NO	NO	220P	NO
EUROPE	E	YES	NO	1000P	YES


AA AB AC AD AE AF AG AH AI AJ AK
SPEAKER SELECTION UNIT
(WP4049KI)(K, P, M, X)
(WP4050KI)(E)
JACK501
PHONES
PROTECTION DRIVE
CURRENT LIMITER
PROTECTION
IC4
IDLE CONT.
JACK104
SP. A
SP. B
SPEAKER OUT
FRONT UNIT (2/2)
(WP4052KI)(K,P) (WP4054KI)(X,E)
(WP4053KI)(M)
TREBLE
BASS
AMP SUB UNIT
(WP4009KI)
CURRENT MIRROR
MUTE DRIVE
MUTE 2
AVR
IMPEDANCE SELECTOR
SW101
(K)(P)(X)(E) TYPE
S/W POWER UNIT
(WP4055KI)
POWER
(M) TYPE
(E)TYPE
UNSWITCHED 200W MAX
POWER UNIT
(WP4056KI)(K,P)
(WP4058KI)(X)
(WP4059KI)(E)
(K)(P) TYPE
(X) TYPE
UNSWITCHED 200W MAX
(WP4057KI)(M)
POWER UNIT
(K)(P) : AC120V 60Hz
(X) : AC240V 50Hz
(E) : AC230V 50Hz
AC 110 ~ 120V / 220 ~ 240V 50/60Hz

AC VOLTAGE

8Ω or MORE	68.5V
LESS THAN 8Ω	53.0V
FILAMENT	3.65V

DC VOLTAGE

	8Ω or MORE	LESS THAN 8Ω
Ⓐ	46.5V	36.0V
Ⓑ	-46.5V	-36.0V

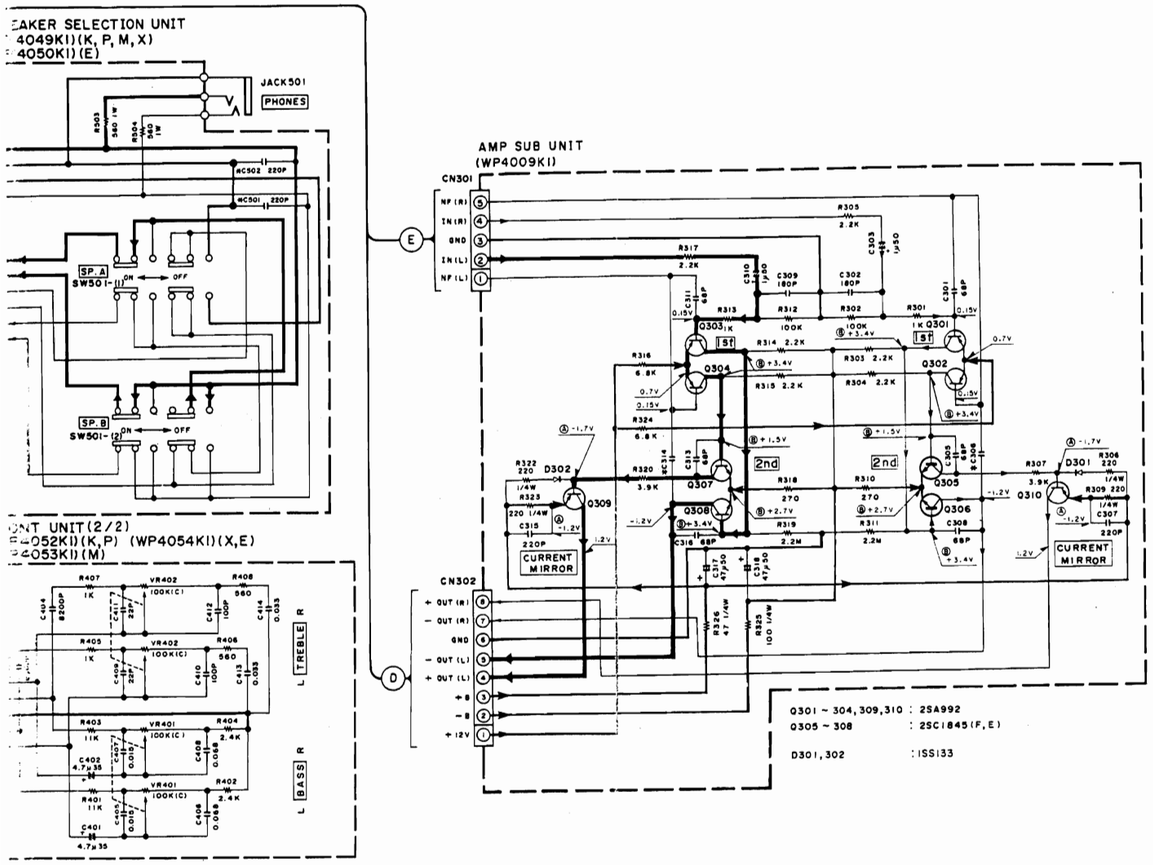
Q301 ~ 304, 309, 310 : 2SA992
Q305 ~ 308 : 2SC1845(F, E)
D301, 302 : 1SS133

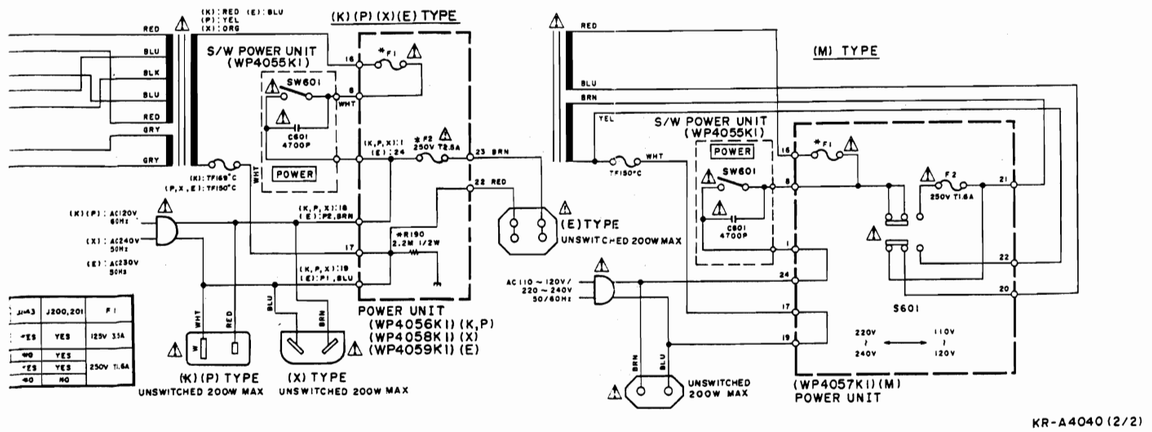
Q101, 102, 104, 105 : 2SC2878(B)
Q103, 106 : 2SA933S(Q, R)
Q107, 108 : 2SC4137(V, W)
Q109, 112 : KHR-TP2316Y1
Q110, 111 : KHR-TN0916Y1
Q113, 117 : 2SC4467*5
Q114, 116 : 2SA1694*5
Q118, 119 : 2SC1845(F, E)
Q120 : 2SA992
Q121 : 2SC2235
Q122 : KHR-TN0965Y2
D101 ~ 106, 108, 109 : 1SS133
D107 : RD3.9ES(B2)
D110, 113, 114, 118 : 1N4002
D111, 112 : RD6.2ES(B2)
D115 : RD16ES(B2)
D116 : RD11ES(B2)
D117 : RD6.8ES(B2)
D119 : D3SBA20F03

*

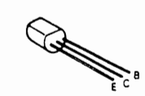
DESTINATION COUNTRY	ABB.	F2,3	R190	C103, 104	C115~118, 127, 130, 154~157, 160, 161, 501, 502	C128, 129	C306, 314	J143	J200, 201	F1
U.S.A / CANADA	K / P	NO	YES	220P	NO	0.047	4P	YES	YES	125V 3.5A
GENERAL MARKET	M	YES	NO	220P	NO	0.047	4P	NO	YES	250V T1.6A
AUSTRALIA	X	NO	NO	220P	NO	0.047	4P	YES	YES	
EUROPE	E	YES	NO	1000P	YES	0.1	15P	NO	NO	

KR-A4040 (2/2)

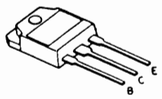




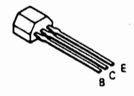
KR-A4040(2/2)



2SA992
2SC1845
2SC1923
2SC2235
2SC2878

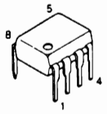


2SA1694∗5
2SC4467∗5

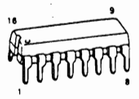


2SA933S
2SC1740S

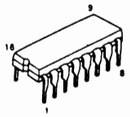
2SC4137



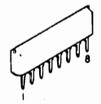
NJM4558DD



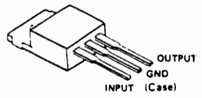
LM7001



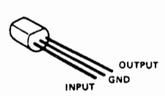
AN7470
TC4052BP



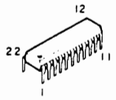
UPC1237HA



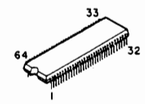
UPC7812HF



RST529C



LA1265



CXP5016-531S

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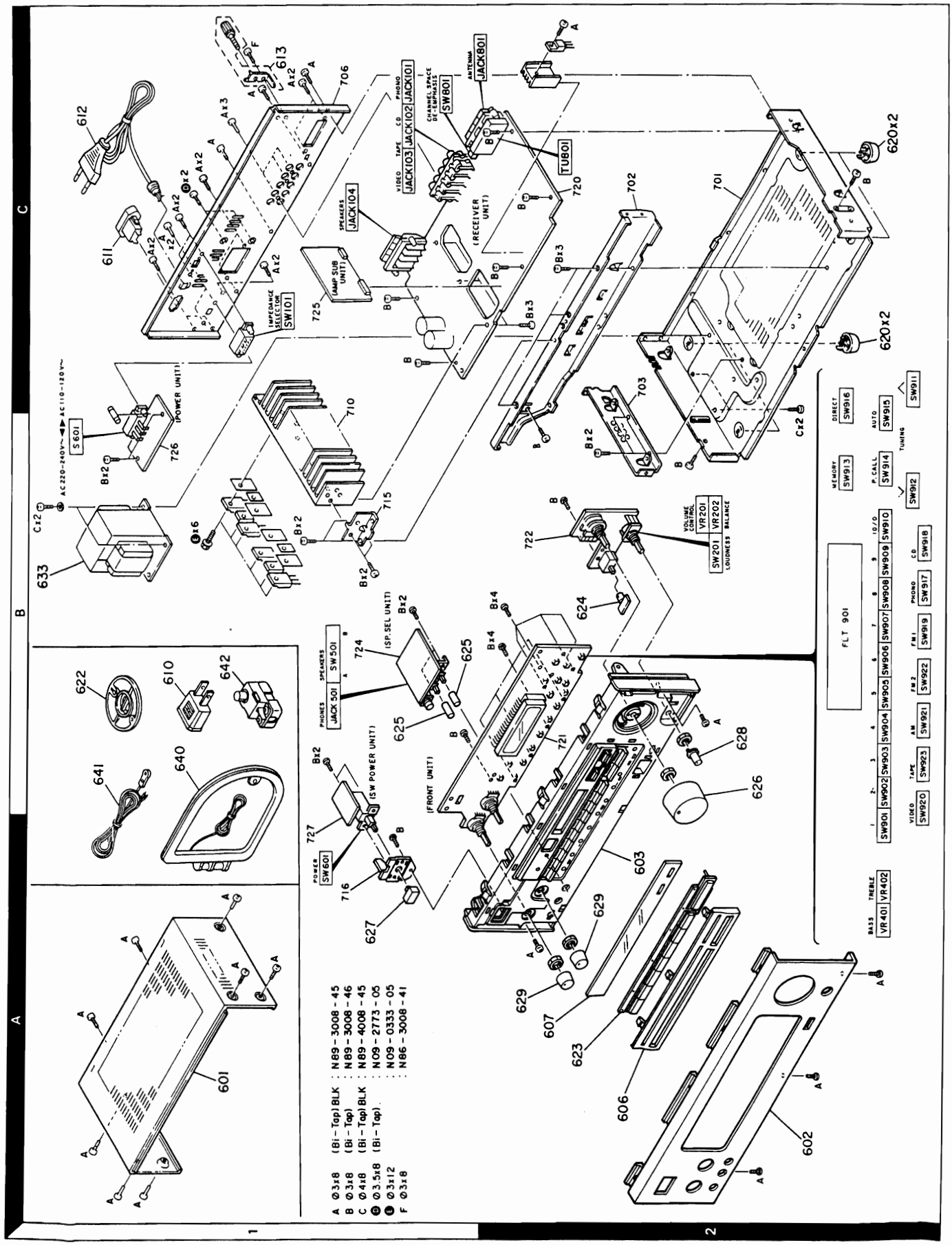
Y05-2650-10

KR-A4040

KENWOOD

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

NO. 1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
KR-A4040						
601	1A		A01-1974-08	METALLIC CABINET		
602	2A	*	A60-0280-08	PANEL FRONT		
603	2A	*	A22-1578-08	FRAME FRONT		
606	2A	*	B07-2214-08	PANEL CENTER		
607	2A	*	B10-1932-08	FRONT GLASS		
-			B46-0092-13	WARRANTY CARD	K	
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0121-13	WARRANTY CARD	P	
-			B46-0122-23	WARRANTY CARD	E	
-		*	B60-0855-08	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-0856-08	INSTRUCTION MANUAL(FRENCH)	PE	
-		*	B60-0857-08	INSTRUCTION MANUAL(G,D,I)	E	
-		*	B60-0861-08	INSTRUCTION MANUAL(S,C)	M	
⚠610	1B		E03-0115-05	AC PLUG ADAPTOR	M	
⚠611	1C		E03-0120-08	AC OUTLET	ME	
⚠611	1C		E03-0121-08	AC OUTLET	KP	
⚠611	1C		E03-0124-08	AC OUTLET	X	
⚠612	1C		E30-0459-05	AC POWER CORD	ME	
⚠612	1C		E30-0974-05	AC POWER CORD	KP	
⚠612	1C		E30-1341-05	AC POWER CORD	X	
613	1C		E21-0023-08	TERMINAL GND		
-		*	H25-0675-08	PROTECTION BAG		
-		*	H25-0676-04	PROTECTION BAG		
-		*	H50-0389-08	ITEM CARTON CASE	KPXE	
-		*	H50-0390-08	ITEM CARTON CASE	M	
-			KHR-AL1410J1	POLYSTYRENE FOAMED FIXTURE		
620	2C		J02-1066-08	FOOT ASSY	KPMX	
620	2C	*	J02-1079-08	FOOT ASSY	E	
622	1B		J19-2815-04	ANTENNA HOLDER		
623	2A	*	K27-2085-08	KNOB(VIDEO,TAPE,TUNER,PHONO,CD		
624	2B		K27-2034-08	KNOB(LOUDNESS)		
625	1B		K27-2033-08	KNOB(SPEAKERS A,B ON/OFF)		
626	2B		K29-4273-08	KNOB(VOLUME CONTROL)		
627	1A	*	K27-2083-08	KNOB(POWER ON/OFF)		
628	2B	*	K29-4444-08	KNOB(BALANCE)		
629	2A	*	K29-4445-08	KNOB(BASS,TREBLE)		
⚠633	1B		L07-0383-08	POWER TRANSFORMER	P	
⚠633	1B		L07-0385-08	POWER TRANSFORMER	X	
⚠633	1B		L07-0387-08	POWER TRANSFORMER	K	
⚠633	1B		L07-0389-08	POWER TRANSFORMER	M	
⚠633	1B	*	L07-0567-08	POWER TRANSFORMER	E	
A	1A		N89-3008-45	BINDING HEAD TAPTITE SCREW		
B	1C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
C	1B		N89-4008-45	BINDING HEAD TAPTITE SCREW		
D	1C		N09-2773-05	SCREW		
E	1B		N09-0333-05	TAPPING SCREW		
F	1C		N86-3008-46	BINDING HEAD TAPTITE SCREW		
640	1B		T90-0184-08	LOOP ANTENNA		
641	1B		T90-0176-05	FM INDOOR ANTENNA		
642	1B		T90-0185-05	ANTENNA ADAPTOR	E	

L:Scandinavia K:USA P:Canada
Y:PX(Far East, Hawaii) T:England E:Europe
Y:AAFES(Europe) X:Australia M:Other Areas

⚠印は安全部品
⚠ indicates safety critical components.

Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

NO. 2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
RECEIVER UNIT						
C101,102			CE04KW1V100M	ELECTRO 10UF 35WV		
C103,104			CC45FCH1H221J	CERAMIC 220PF J	KPMX	
C103,104			CK45FB1H102K	CERAMIC 1000PF K	E	
C105,106			CK45FB1H102K	CERAMIC 1000PF K		
C107,108			CE04KW1A101M	ELECTRO 100UF 10WV		
C109,110			CF92FV1H123J	MF 0.012UF J		
C111,112			CF92FV1H332J	MF 3300PF J		
C113,114			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C115-118			CC45FCH1H221J	CERAMIC 220PF J	E	
C119,120			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C121			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C122,123			CE04KW1V220M	ELECTRO 22UF 35WV		
C124-126			CK45FF1H103Z	CERAMIC 0.010UF Z		
C127			CF92FV1H104J	MF 0.10UF J	E	
C128,129			CF92FV1H104J	MF 0.10UF J	E	
C128,129			CF92FV1H473J	MF 0.047UF J	KPMX	
C130			CF92FV1H104J	MF 0.10UF J	E	
C131			CK45FF1H103Z	CERAMIC 0.010UF Z		
C132			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C133			CE04KW1C220M	ELECTRO 22UF 16WV		
C134			C90-1333-05	NP-ELEC 22UF 10WV		
C135			CE04KW1C330M	ELECTRO 33UF 16WV		
C136-138			CE04KW1A470M	ELECTRO 47UF 10WV		
C139			CE04KW1C101M	ELECTRO 100UF 16WV		
C141			CE04KW1A470M	ELECTRO 47UF 10WV		
C142			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C143			CE04KW1H471M	ELECTRO 470UF 50WV		
C144			CE04KW1V101M	ELECTRO 100UF 35WV		
C145			CE04KW1V100M	ELECTRO 10UF 35WV		
C146,147			CK45FB1H103Z	CERAMIC 0.010UF Z		
C148,149		*	KHR-PE0221G1	ELECTRO 4700UF 50WV		
C150,151			CK45FB1H103Z	CERAMIC 0.010UF Z		
C152,153			CK45FF1H103Z	CERAMIC 0.010UF Z		
C154-157			CK45FB1H223Z	CERAMIC 0.022UF Z	E	
C158,159			CF92FV1H104J	MF 0.10UF J		
C160,161			CK45FB1H223Z	CERAMIC 0.022UF Z	E	
C162,163			CK45FB1H102K	CERAMIC 1000PF K		
C196			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C197			CK45FF1H103Z	CERAMIC 0.010UF Z		
C198,199			CE04KW1C470M	ELECTRO 47UF 16WV		
C801			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C802			CE04KW1C470M	ELECTRO 47UF 16WV		
C803			CF92FV1H273J	MF 0.027UF J		
C804			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C805			CE04KW1C470M	ELECTRO 47UF 16WV		
C806,807			CK45FF1H103Z	CERAMIC 0.010UF Z		
C809			CK45FF1H223Z	CERAMIC 0.022UF Z		
C816			CK45FF1H223Z	CERAMIC 0.022UF Z		
C817			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C818			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C819			CK45FF1H223Z	CERAMIC 0.022UF Z		
C820			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C821			CK45FF1H103Z	CERAMIC 0.010UF Z		

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NO. 3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C822			CK45FF1H223Z	CERAMIC 0.022UF Z		
C823			CE04KW1H100M	ELECTR@ 10UF 50WV		
C824			CK45FF1H223Z	CERAMIC 0.022UF Z		
C825			CF92FV1H153J	MF 0.015UF J		
C826			CE04KW1H100M	ELECTR@ 10UF 50WV		
C827			CE04KW1HR47M	ELECTR@ 0.47UF 50WV		
C828-830			CK45FF1H103Z	CERAMIC 0.010UF Z		
C831			CC45FCH1H101J	CERAMIC 100PF J		
C832			CK45FF1H103Z	CERAMIC 0.010UF Z		
C833			CE04KW1C470M	ELECTR@ 47UF 16WV		
C834			CK45FB1H471K	CERAMIC 470PF K	E	
C835			CC45FSL1H121J	CERAMIC 120PF J	E	
C836			CC45FCH1H271J	CERAMIC 270PF J	E	
C837			CF92FV1H152J	MF 1500PF J	E	
C838			CF92FV1H122J	MF 1200PF J	E	
C839			CC93FCH1H471J	CERAMIC 470PF J		
C840			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV		
C841			CE04KW1H3R3M	ELECTR@ 3.3UF 50WV		
C842			CE04KW1HR47M	ELECTR@ 0.47UF 50WV		
C843			CF92FV1H473J	MF 0.047UF J		
C844			CK45FB1H471K	CERAMIC 470PF K		
C845			CK45FF1H103Z	CERAMIC 0.010UF Z		
C846,847			CC45FSL1H151J	CERAMIC 150PF J	KPMX	
C846,847			CK45FB1H102K	CERAMIC 1000PF K	E	
C848			CC45FCH1H221J	CERAMIC 220PF J	E	
C849			CE04KW1C221M	ELECTR@ 220UF 16WV		
C850,851			CE04KW1H010M	ELECTR@ 1.0UF 50WV	KPMX	
C850,851			CE04KW1H2R2M	ELECTR@ 2.2UF 50WV	E	
C852			CF92FV1H222J	MF 2200PF J	M	
C853			CF92FV1H562J	MF 5600PF J	M	
C854,855			CF92FV1H153J	MF 0.015UF J	MX	
C854,855			CF92FV1H223J	MF 0.022UF J	KP	
C854,855			CF92FV1H472J	MF 4700PF J	E	
C856			CK45FF1H103Z	CERAMIC 0.010UF Z		
C857			CE04KW1C470M	ELECTR@ 47UF 16WV		
C858,859			CC45FCH1H220J	CERAMIC 22PF J		
C860-862			CC45FCH1H101J	CERAMIC 100PF J		
C863			CK45FF1H103Z	CERAMIC 0.010UF Z		
C864			CF92FV1H222J	MF 2200PF J	M	
C865			CF92FV1H562J	MF 5600PF J	M	
C866,867			CE04KW1C220M	ELECTR@ 22UF 16WV	E	
C868			CC45FCH1H101J	CERAMIC 100PF J	E	
JACK101	1C		E13-0249-05	PH@N@ JACK(2P)(PH@N@)		
JACK102	1C		E13-0445-05	PH@N@ JACK(4P)(CD,TAPE)		
JACK103	1C		E13-0445-05	PH@N@ JACK(4P)(TAPE,VIDE@)		
JACK104	1C		E70-0006-08	L@CK TERMINAL B@ARD(SPEAKERS)		
JACK801	1C		E70-0005-08	L@CK TERMINAL B@ARD(ANTENNA)	KPMX	
JACK801	1C	*	E70-0023-08	L@CK TERMINAL B@ARD(ANTENNA)	E	
⚠F3			F05-2015-05	FUSE(250V TO.2A)	ME	
-			J13-0075-05	FUSE CLIP	ME	
CF801,802			L72-0531-05	CERAMIC FILTER	KPMX	
CF801,802		*	L72-0570-08	CERAMIC FILTER	E	

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NO. 4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
CF803			L72-0096-05	CERAMIC FILTER		
L101,102			L39-1303-08	SMALL FIXED INDUCT@R		
L801			L40-1091-17	SMALL FIXED INDUCT@R(1UH)		
L802			L39-0189-05	C@MBINATI@N C@IL		
L804			L30-0488-05	AM IFT		
L806			L30-0439-05	FM IFT(DISCRIMINAT@R ADJ.)		
L809,810		*	L72-0569-08	LC FILTER	E	
L811		*	L33-0375-08	SMALL FIXED INDUCT@R(5.6mH)	E	
L812		*	L33-0376-08	SMALL FIXED INDUCT@R(6.8mH)	E	
X801			L77-1122-05	CRYSTAL.RES@NAT@R(7.2MHz)		
CP1 ,2			R90-0187-05	MULTI-C@MP 0.22X2 K 5W		
R137			RD14GB2E391J	FL-PR@@F RD 390 J 1/4W		
R150,151			RD14GB2E470J	FL-PR@@F RD 47 J 1/4W		
R152,153			RD14GB2E151J	FL-PR@@F RD 150 J 1/4W		
R157,158			RD14GB2E470J	FL-PR@@F RD 47 J 1/4W		
R159,160			RD14GB2E151J	FL-PR@@F RD 150 J 1/4W		
R164,165			RS14KB3D100J	FL-PR@@F RS 10 J 2W		
R177			RS14KB3A561J	FL-PR@@F RS 560 J 1W		
R181			RD14GB2E331J	FL-PR@@F RD 330 J 1/4W		
R183			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
R184,185			RS14KB3D220J	FL-PR@@F RS 22 J 2W		
R186			RS14KB3D222J	FL-PR@@F RS 2.2K J 2W		
R188			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
R806			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
R810			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
R836			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
R851			RD14GB2E820J	FL-PR@@F RD 82 J 1/4W		
R869			RD14GB2E221J	FL-PR@@F RD 220 J 1/4W		
VR101,102			R12-1066-05	P@TENTI@METER(1K)(IDLE CURRENT		
VR801			R12-3166-08	P@TENTI@METER(33K)(FM T-LEVEL)		
VR802			R12-1053-05	P@TENTI@METER(47K)(VC@)		
VR803		*	R12-5079-08	P@TENTI@METER(220K)(SEPARATI@N	E	
VR804			R12-3071-05	P@TENTI@METER(10K)(AM T-LEVEL)		
⚠K1			S76-0012-05	MAGNETIC RELAY		
SW101	1C		S31-2127-05	SLIDE SWITCH(IMPEDANCE SELECT)		
SW801	1C		S62-0012-08	SLIDE SWITCH(DE-EM.,CH.SPACE)	M	
D101-106			1SS133	DI@DE		
D107			RD3.9ES(B2)	ZENER DI@DE		
D108,109			1SS133	DI@DE		
D110			1N4002	DI@DE		
D111,112			RD6.2ES(B2)	ZENER DI@DE		
D113,114			1N4002	DI@DE		
D115			RD16ES(B2)	ZENER DI@DE		
D116			RD11ES(B2)	ZENER DI@DE		
D117			RD6.8ES(B2)	ZENER DI@DE		
D118			1N4002	DI@DE		
⚠D119			D3SBA20F03	DI@DE		
D801,802			1SS133	DI@DE		
D804			1SS133	DI@DE	E	
D810			RD5.1ES(B2)	ZENER DI@DE		
D811,812			1SS133	DI@DE		
IC1			NJM4558DD	IC(@P AMP X2)		
IC2 ,3			TC4052BP	IC(4CH MPX/DE-MPX)		
IC4			UPC1237HA	IC(P@WER AMP)		

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PARTS LIST

KR-A4040

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NO. 5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
IC5			UPC7812HF	IC(V@LTAGE REGULAT@R/ +12V)		
IC801			LA1265	IC(FM/AM TUNER)		
IC802			AN7470	IC(FM MPX)		
IC803			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
Q101,102			2SC2878(B)	TRANSIST@R		
Q103			2SA933S(Q,R)	TRANSIST@R		
Q104,105			2SC2878(B)	TRANSIST@R		
Q106			2SA933S(Q,R)	TRANSIST@R		
Q107,108			2SC4137(V,W)	TRANSIST@R		
Q109		*	KHR-TP2316Y1	TRANSIST@R		
Q110,111		*	KHR-TN0916Y1	TRANSIST@R		
Q112		*	KHR-TP2316Y1	TRANSIST@R		
⚠ Q113			2SC4467*5	TRANSIST@R		
⚠ Q114			2SA1694*5	TRANSIST@R		
⚠ Q116			2SA1694*5	TRANSIST@R		
⚠ Q117			2SC4467*5	TRANSIST@R		
Q118,119			2SC1845(F,E)	TRANSIST@R		
Q120			2SA992	TRANSIST@R		
Q121			2SC2235	TRANSIST@R		
Q122			KHR-TN0965Y2	TRANSIST@R		
Q801			2SC1923	TRANSIST@R		
Q803			2SC1740S(Q,R)	TRANSIST@R		
Q804			2SC1845(F,E)	TRANSIST@R		
Q807			2SC1740S(Q,R)	TRANSIST@R	E	
Q808,809			2SA933S(Q,R)	TRANSIST@R		
Q811,812			2SC1740S(Q,R)	TRANSIST@R	M	
TU801	2C		W02-1042-05	FM FR@NT-END ASSY	KPMX	
TU801	2C	*	W02-1146-08	FM FR@NT-END ASSY	E	
FRONT UNIT						
C401,402			CE04KW1V4R7M	ELECTR@ 4.7UF 35WV		
C403,404			CF92FV1H822J	MF 8200PF J		
C405			CF92FV1H153J	MF 0.015UF J		
C406			CF92FV1H683J	MF 0.068UF J		
C407			CF92FV1H153J	MF 0.015UF J		
C408			CF92FV1H683J	MF 0.068UF J		
C409			CC45FCH1H220J	CERAMIC 22PF J		
C410			CC45FCH1H101J	CERAMIC 100PF J		
C411			CC45FCH1H220J	CERAMIC 22PF J		
C412			CC45FCH1H101J	CERAMIC 100PF J		
C413,414			CF92FV1H333J	MF 0.033UF J		
C901			CE04JW1HR47M	ELECTR@ 0.47UF 50WV		
C902			CK45FF1H103Z	CERAMIC 0.010UF Z		
C903			CE04KW1A101M	ELECTR@ 100UF 10WV		
C904			KHR-PX0001N3	ELECTR@ 0.1F 5.5WV		
C905,906			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C907			CK45FF1H103Z	CERAMIC 0.010UF Z		
C908			CK45FF1H103Z	CERAMIC 0.010UF Z	M	
L901-905			L40-1091-17	SMALL FIXED INDUCT@R(1UH)		
X901			L78-0209-05	RES@NAT@R(4.194MHz)		
R939			R90-0483-05	MULTI-C@MP 100KX13 J 1/6W		
VR401,402	2A	*	KHR-VR0430G1	P@TENTI@METER(100K)(BASS,TREB)		
SW901-923	2A,2B		KHR-ST0340M1	TACT SWITCH		

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NO. 6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D901			RD10ES(B2)	ZENER DI@DE		
D902-904			1SS133	DI@DE		
D905			1SS133	DI@DE	XE	
D906,907			1SS133	DI@DE		
D908			1SS133	DI@DE	KP	
FLT901	2B		CPF5425GR	FL@URESCENT INDICAT@R TUBE		
IC901			CXP5016-531S	IC(4BIT MICR@PR@CESS@R)		
IC902			RST529C	IC(RESET)		
Q901			2SC1740S(Q,R)	TRANSIST@R		
Q902			2SA933S(Q,R)	TRANSIST@R	M	
VR UNIT						
C201,202			CF92FV1H273J	MF 0.027UF J		
VR201	2B		R06-5200-08	P@TENTI@METER 100K(V@LUME)		
VR202	2B		R01-5084-08	P@TENTI@METER 200K(BALANCE)		
SW201	2B		S40-2376-05	PUSH SWITCH(L@UDNESS)		
SPEAKER SELECTION UNIT						
C501,502			CC45FSL1H221J	CERAMIC 220PF J	E	
JACK501	1B		E11-0223-08	PH@NE JACK(PH@NES)		
R503,504			RS14KB3A561J	FL-PR@@F RS 560 J 1W		
SW501	1B		S42-2156-05	PUSH SWITCH(SPEAKERS @N/@FF)		
AMP SUB UNIT						
C301			CC45FSL1H680J	CERAMIC 68PF J		
C302			CC45FCH1H181J	CERAMIC 180PF J		
C303			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C305			CC45FSL1H680J	CERAMIC 68PF J		
C306			CC45FCH1H040J	CERAMIC 4.0PF J		
C307			CC45FCH1H221J	CERAMIC 220PF J		
C308			CC45FSL1H680J	CERAMIC 68PF J		
C309			CC45FCH1H181J	CERAMIC 180PF J		
C310			CE04KW1H010M	ELECTR@ 1.0UF 50WV		
C311			CC45FSL1H680J	CERAMIC 68PF J		
C313			CC45FSL1H680J	CERAMIC 68PF J		
C314			CC45FCH1H040J	CERAMIC 4.0PF J		
C315			CC45FCH1H221J	CERAMIC 220PF J		
C316			CC45FSL1H680J	CERAMIC 68PF J		
C317,318			CE04KW1H470M	ELECTR@ 47UF 50WV		
R306			RD14GB2E221J	FL-PR@@F RD 220 J 1/4W		
R309			RD14GB2E221J	FL-PR@@F RD 220 J 1/4W		
R310			RD14GB2E271J	FL-PR@@F RD 270 J 1/4W		
R318			RD14GB2E271J	FL-PR@@F RD 270 J 1/4W		
R322,323			RD14GB2E221J	FL-PR@@F RD 220 J 1/4W		
R325			RD14GB2E470J	FL-PR@@F RD 47 J 1/4W		
R326			RD14GB2E101J	FL-PR@@F RD 100 J 1/4W		
D301,302			1SS133	DI@DE		
Q301-304			2SA992(F,E)	TRANSIST@R		
Q305-308			2SC1845(F,E)	TRANSIST@R		
Q309,310			2SA992(F,E)	TRANSIST@R		
S/W POWER UNIT						
C601			KHR-QM4726M6	CERAMIC 4700PF P		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
S/W601	1A		S40-1089-05	PUSH SWITCH(POWER)		
POWER SEL. UNIT						
F1			F05-1623-05	FUSE(250V T1.6A)	MXE	
F1			F50-0012-08	FUSE(125V 3.5A)	KP	
F2			F05-1623-05	FUSE(250V T1.6A)	M	
F2			F05-2525-05	FUSE(250V T2.5A)	E	
-			J13-0075-05	FUSE CLIP		
R190			R92-0173-05	RC 2.2M M 1/2W	KP	
S601	1C		S62-0014-08	SLIDE SWITCH(VOLTAGE SELECTOR)	M	

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KR-A4040

SPECIFICATIONS

Except for Europe and U.K.

AUDIO SECTION

Rated Power Output
(For the U.S.A. & Canada)

50 watts per channel minimum RMS, both channel driven at 8 Ω, from 30 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion. (FTC)

(For other than the U.S.A. & Canada)
(IHF '66) From 20 Hz to 20 kHz, 0.09% T.H.D., at 8 Ω ..... 55 W + 55W
Total Harmonic Distortion ..... 0.09% (30 Hz ~ 20 kHz, 50 W, 8 Ω)
Input Sensitivity/Impedance
PHONO (MM) ..... 2.5 mV/47 kΩ
CD, TAPE, VIDEO ..... 200 mV/47 kΩ
Frequency Response
CD ..... 10 Hz ~ 50 kHz + 0 dB, − 3 dB
Signal to Noise Ratio (IHF-A)
PHONO (MM) ..... 76 dB for 6 mV input
CD, TAPE, VIDEO ..... 100 dB for 200 mV input
Tone Controls
BASS ..... ± 10 dB (at 100 Hz)
TREBLE ..... ± 10 dB (at 10 kHz)

FM TUNER SECTION

Tuning Frequency Range ..... 87.5 MHz ~ 108 MHz
Antenna Impedance ... 300 Ω balanced & 75 Ω unbalanced
Sensitivity (IHF) ..... 10.8 dBf (0.95 μV at 75 Ω)
50 dB Quieting Sensitivity
MONO ..... 16.2 dBf (3.5 μV at 75 Ω)
STEREO ..... 38.2 dBf (45 μV at 75 Ω)
Signal to Noise Ratio at 65 dBf (IHF)
MONO ..... 79 dB
STEREO ..... 73 dB
Total Harmonic Distortion at 1,000 Hz (IHF)
MONO 0.3%
STEREO 0.5%
Stereo Separation (IHF at 1 kHz) ..... 45 dB
Frequency Response ... 30 Hz ~ 15 kHz + 0.5 dB, − 2.0 dB

AM TUNER SECTION

Tuning Frequency Range
9 kHz step ..... 531 kHz ~ 1,602 kHz
10 kHz ..... 530 kHz ~ 1,610 kHz
(The U.S.A. and Canada) ..... 530 kHz ~ 1,700 kHz
Usable Sensitivity ..... 12 μV (400 μV/m)
Signal to Noise Ratio ..... 50 dB
Total Harmonic Distortion 0.5%
Selectivity ..... 23 dB

GENERAL

Power Consumption ... 1.3 A (The U.S.A. and Canada Models)
120 W (IEC) (Others)
Dimensions ..... 440 (W) × 129 (H) × 284 (D) mm
(17-5/16") × (5-1/16") × (11-3/16")
Weight (Net) ..... 5.5 kg (12.1 lb)

Note:
KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

For Europe and U.K.

AUDIO SECTION

Rated power output
(IEC) from 63 Hz to 12,500 Hz
0.7% T.H.D. at 8 Ω ..... 55 W + 55 W
(DIN) 1,000 Hz at 8 Ω ..... 50 W + 50 W
at 4 Ω ..... 50 W + 50 W
Total Harmonic Distortion ..... 0.09% (40 Hz ~ 20 kHz, 25 W, 8 Ω)
Input Sensitivity/Impedance
PHONO (MM) ..... 2.5 mV/47 kΩ
CD, TAPE, VIDEO ..... 200 mV/47 kΩ
Frequency Response
CD ..... 10 Hz ~ 50 kHz + 0 dB, − 3 dB
Signal to Noise Ratio (DIN weighted, at 50 mW output)
PHONO (MM) ..... 56 dB
CD, TAPE, VIDEO ..... 57 dB
Tone Controls
BASS ..... ± 10 dB (at 100 Hz)
TREBLE ..... ± 10 dB (at 10 kHz)

FM TUNER SECTION

Tuning Frequency Range ..... 87.5 MHz ~ 108 MHz
Antenna Impedance ..... 75 Ω unbalanced
Sensitivity (DIN)
(MONO) ..... 1.3 μV
(STEREO) ..... 40 μV
Total Harmonic Distortion
(DIN at 1 kHz, 65.2 dBf input)
MONO 0.3%
STEREO 0.4%
Signal to Noise Ratio (DIN weighted at 1 kHz, 65.2 dBf input)
MONO ..... 68 dB
STEREO ..... 61 dB
Stereo Separation (DIN at 1 kHz) ..... 40 dB
Frequency Response ... 30 Hz ~ 15 kHz + 0.5 dB, − 2.0 dB

AM TUNER SECTION

Tuning Frequency Range ..... 531 kHz ~ 1,602 kHz
Usable Sensitivity ..... 12 μV/(400 μV/m)
Signal to Noise Ratio ..... 50 dB
Total Harmonic Distortion 0.5%
Selectivity ..... 22 dB

GENERAL

Power Consumption ..... 120 W
Dimensions ..... 440 (W) × 129 (H) × 284 (D) mm
Weight (Net) ..... 5.5 kg

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