

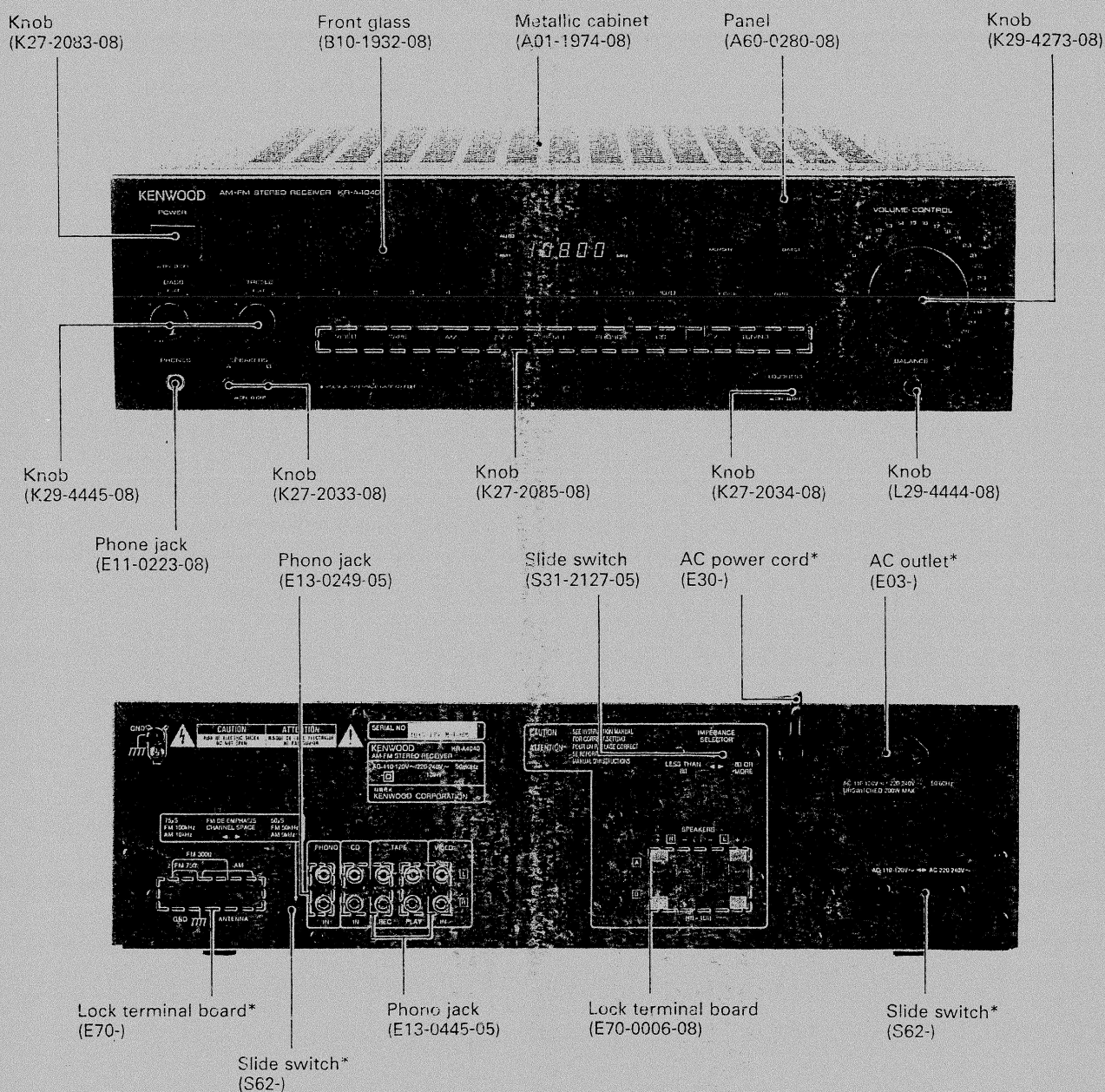
AM-FM STEREO RECEIVER

KR-A4040

SERVICE MANUAL

KENWOOD

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B51-4513-00(S)3412



*Refer to parts list on page 22

KR-A4040

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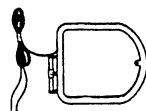
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Accessories

FM indoor antenna 1
(T90-0176-05)



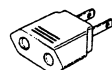
AM loop antenna 1
(T90-0184-08)



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)

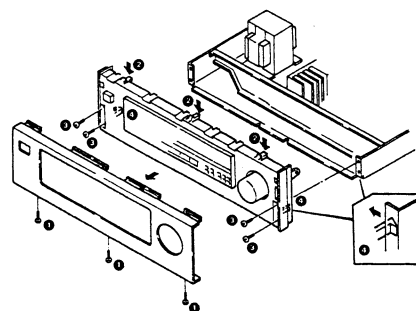


DISASSEMBLY FOR REPAIR

Note: Remove the case before starting

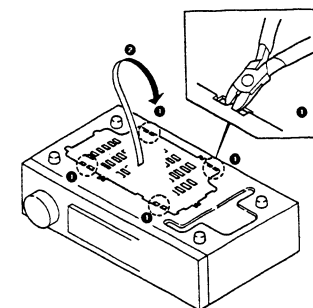
Removing the front panel and sub-panel

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.



How to remove the repairing chassis

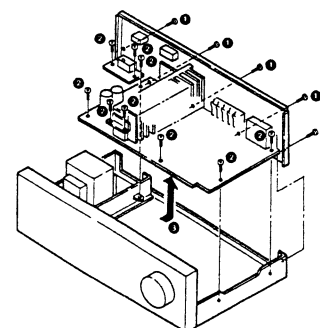
1. Cut the four parts ❶ of the repairing chassis. Remove the repairing chassis from main chassis.



Removing the main PC board

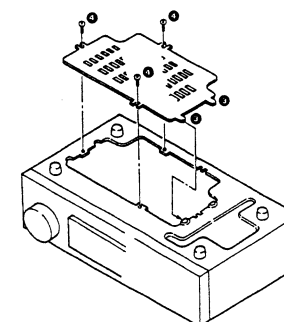
The main PC board can be removed even if the front panel and sub-panel have not been.

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.



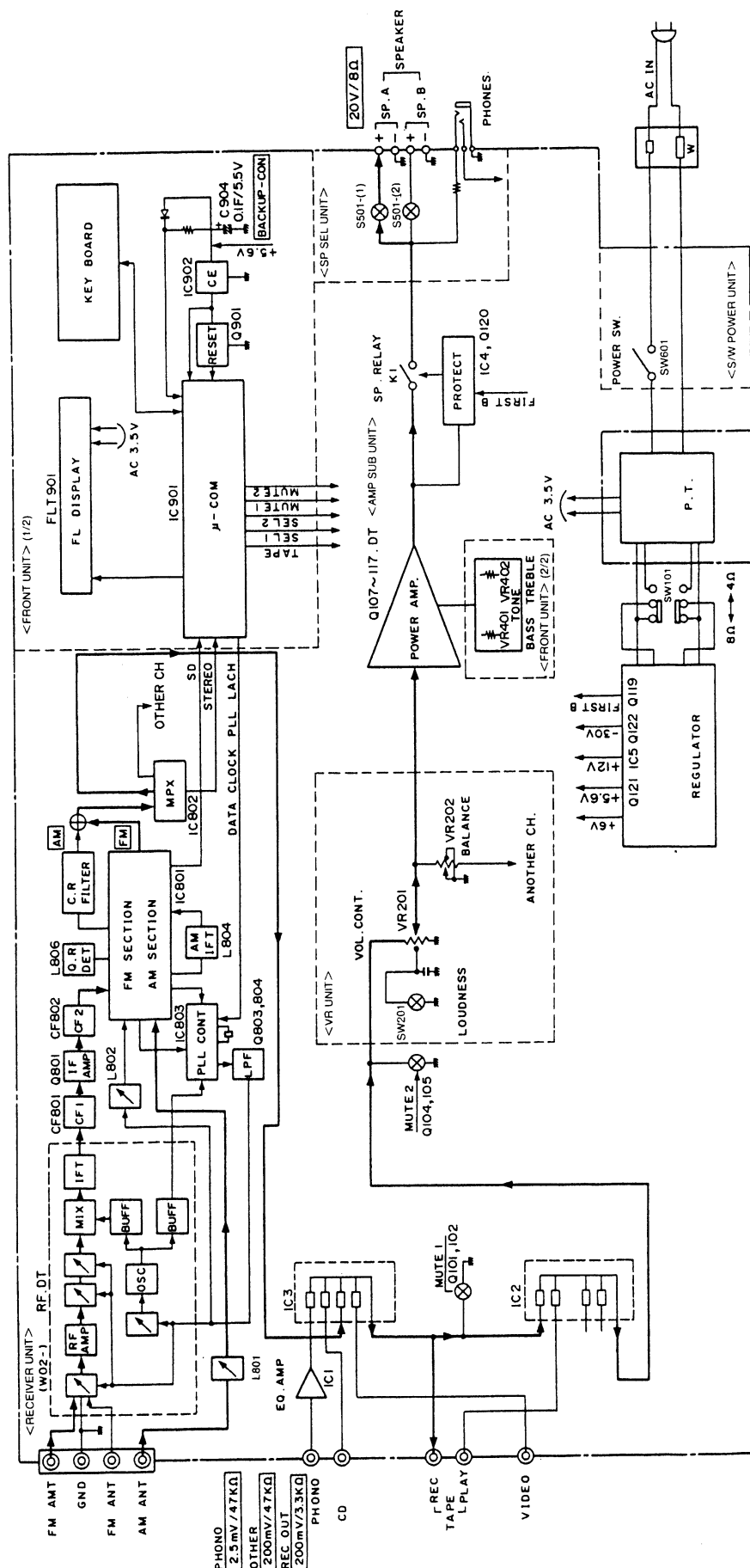
After repair

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.



KR-A4040

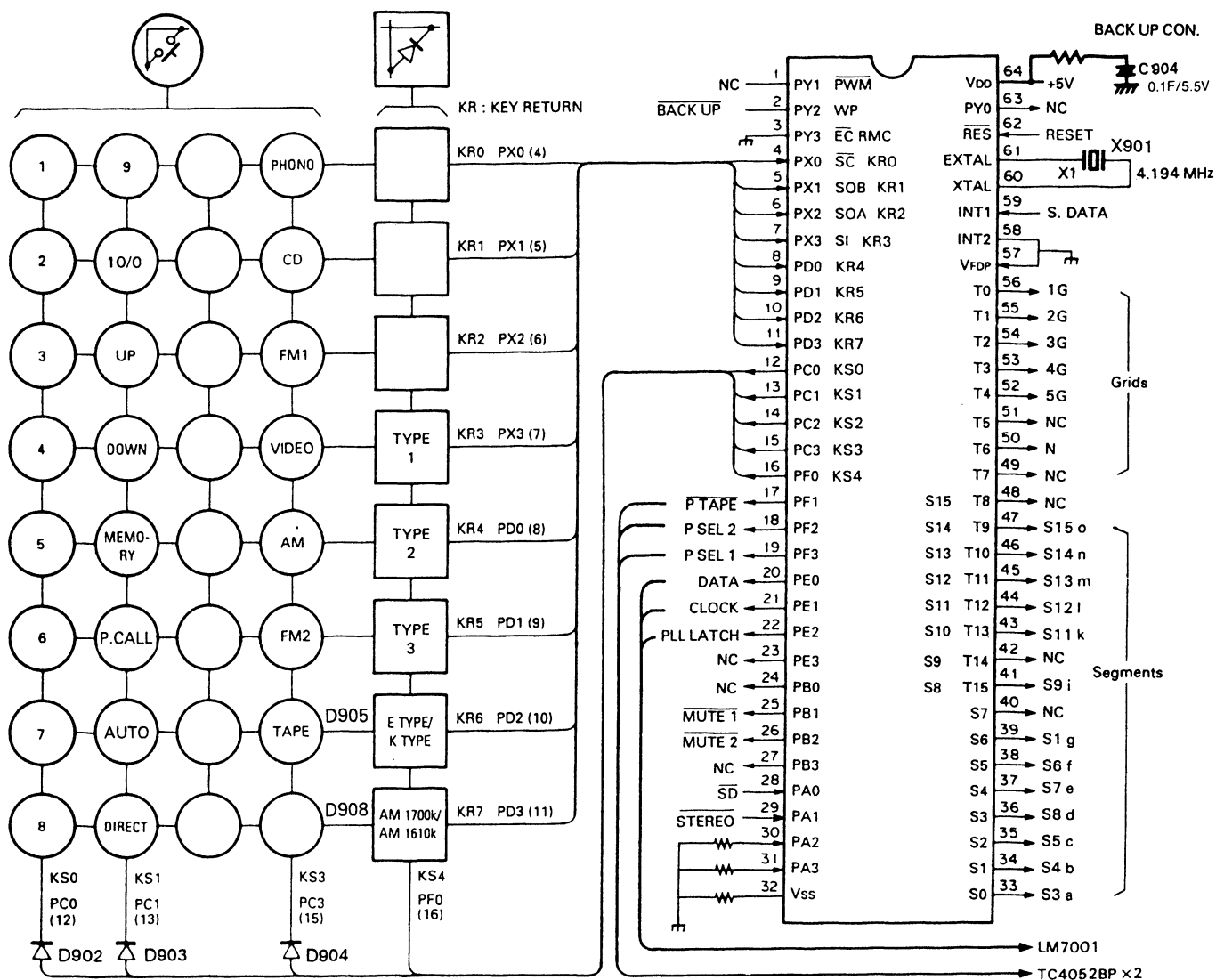
BLOCK DIAGRAM



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

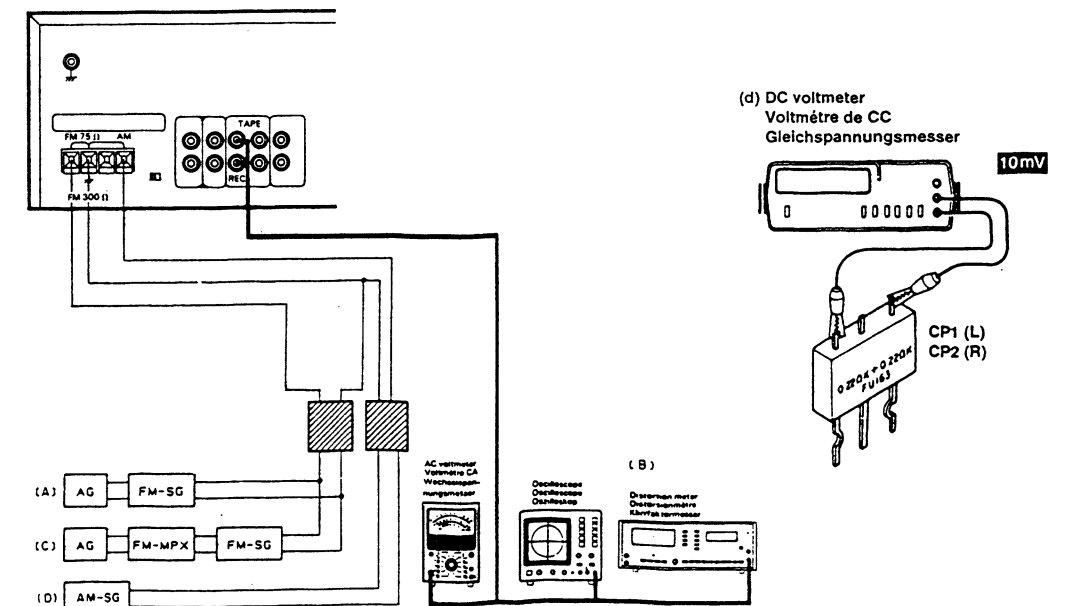
ADJUSTMENT

1-8. Pin description

Pin No.	Pin name	I/O	Name	Function
1	PY1	O	—	N.C.
2	PY2	I	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	PTAPE	TC4052BP (selector IC) control. Tape monitor on/off control. High: OFF 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	MUTE 1	TAPE REC OUT mute control. High: MUTE OFF Low: MUTE ON
26	PB2	O	MUTE 2	LINE OUT mute control. High: MUTE OFF Low: MUTE ON
27	PB3	O	—	N.C.
28	PA0	I	SD	Tuner tuned detection. High: NO SIGNAL Low: TUNED
29	PA1	I	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.

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

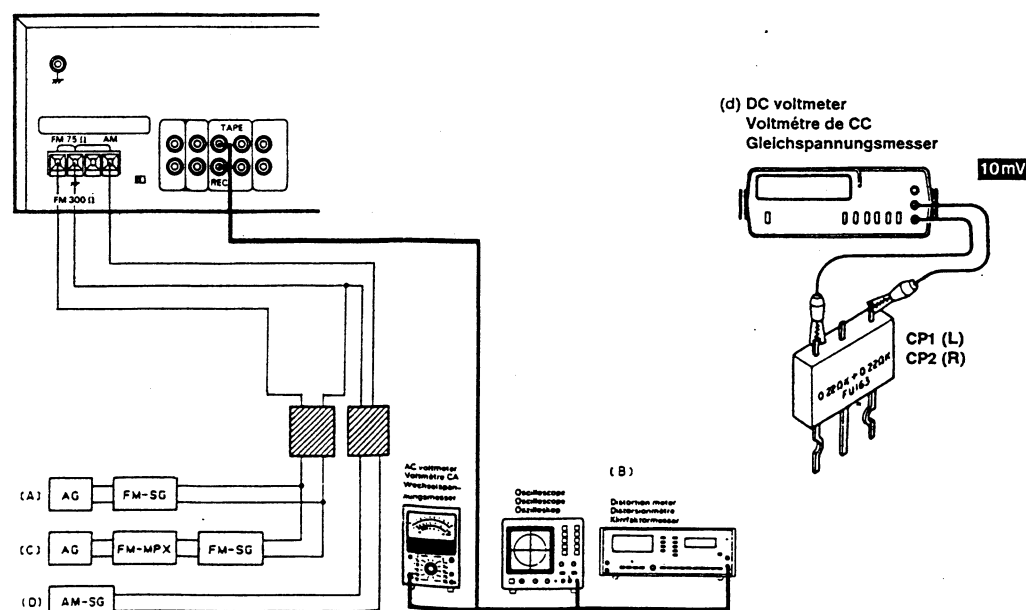
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION SELECTOR: FM							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75kHz dev. 60dBμ(A.N.T. input)	Connect a DC voltmeter between TP803 and TP804. (RECEIVER UNIT)	AUTO or MONO 98.0MHz	L806 (RECEIVER UNIT)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev. 60dBμ(A.N.T. 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(A.N.T. 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(A.N.T. input)	(B)	AUTO 98.0MHz	VR803 (RECEIVER UNIT)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0 dev 18dBμ(A.N.T. 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(A.N.T. 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)



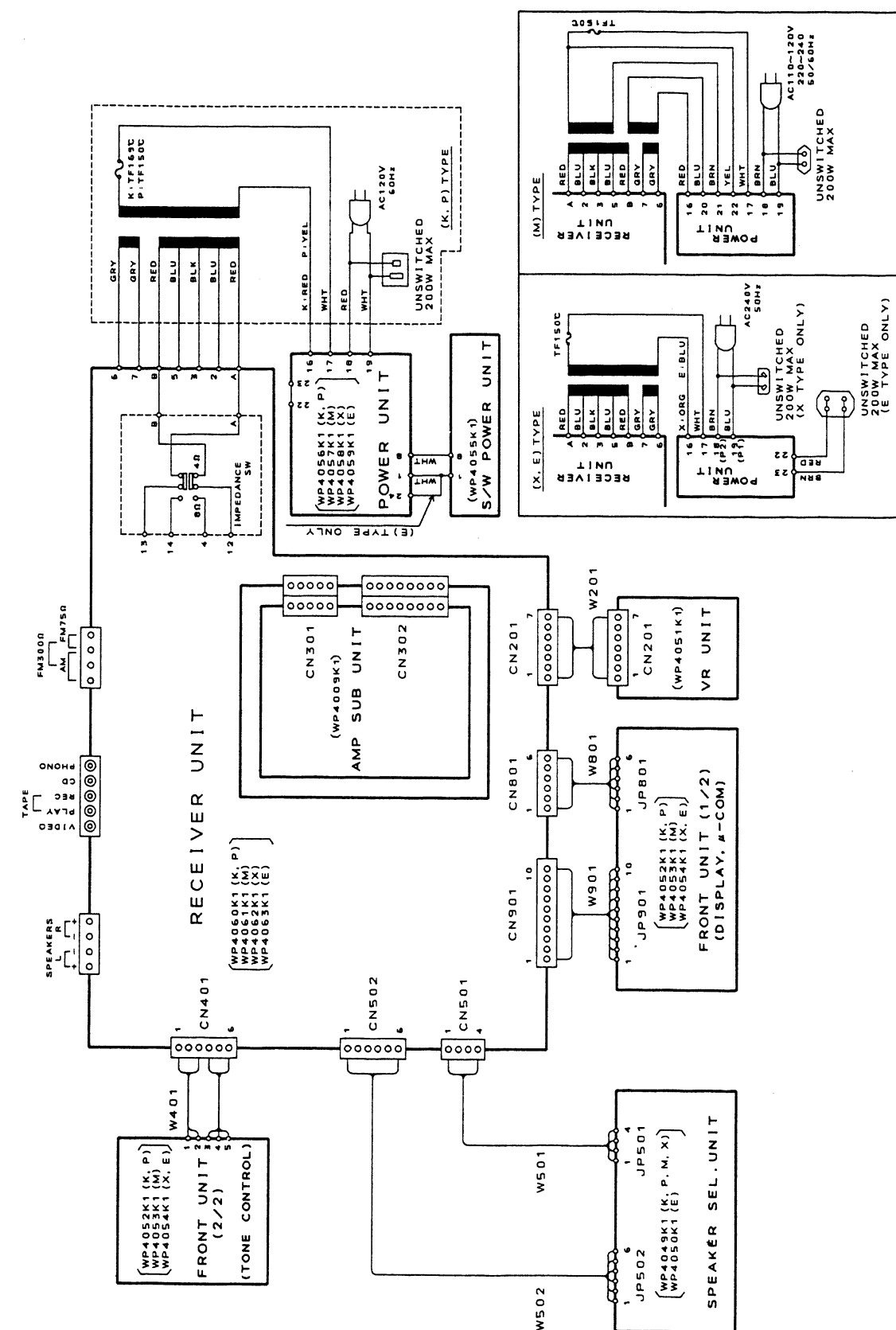
ADJUSTMENT

AM Section: If alignment point 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, ± 75 kHz dev. 60dB μ (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. 60dB μ (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, ± 68.25 kHz dev. Selector: L or R Pilot: ± 6.75 kHz dev. 60dB μ (ANT. input)	(B)	98.0MHz	IFT (W02-)	Minimum distortion. (L or R)	
4	SEPARATION (E type only)	(C) 98.0MHz 1kHz, ± 40 kHz dev. Pilot: 6kHz dev. Selector: L or R 60dB μ (ANT. input)	(B)	AUTO 98.0MHz	VR803 (RECEIVER UNIT)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0 dev 18dB μ (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 26dB μ (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)

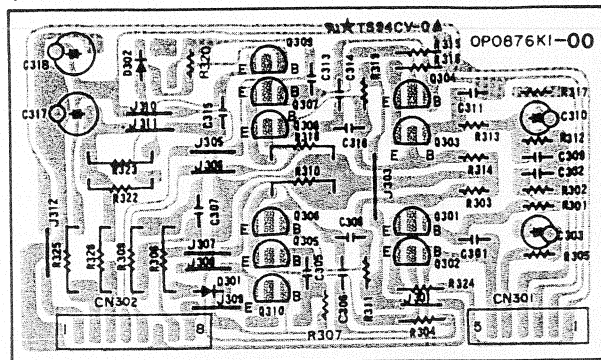


WIRING DIAGRAM



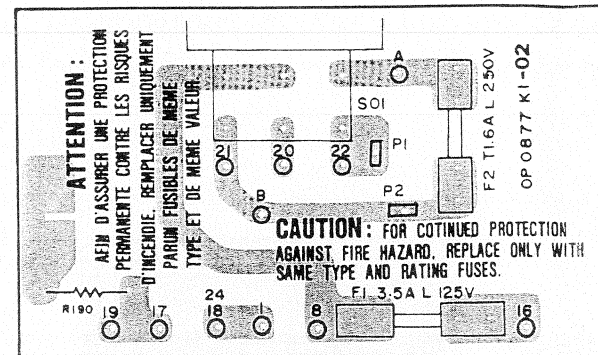
PC BOARD (Component side view)

<AMP SUB UNIT>

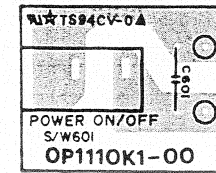


<POWER UNIT>

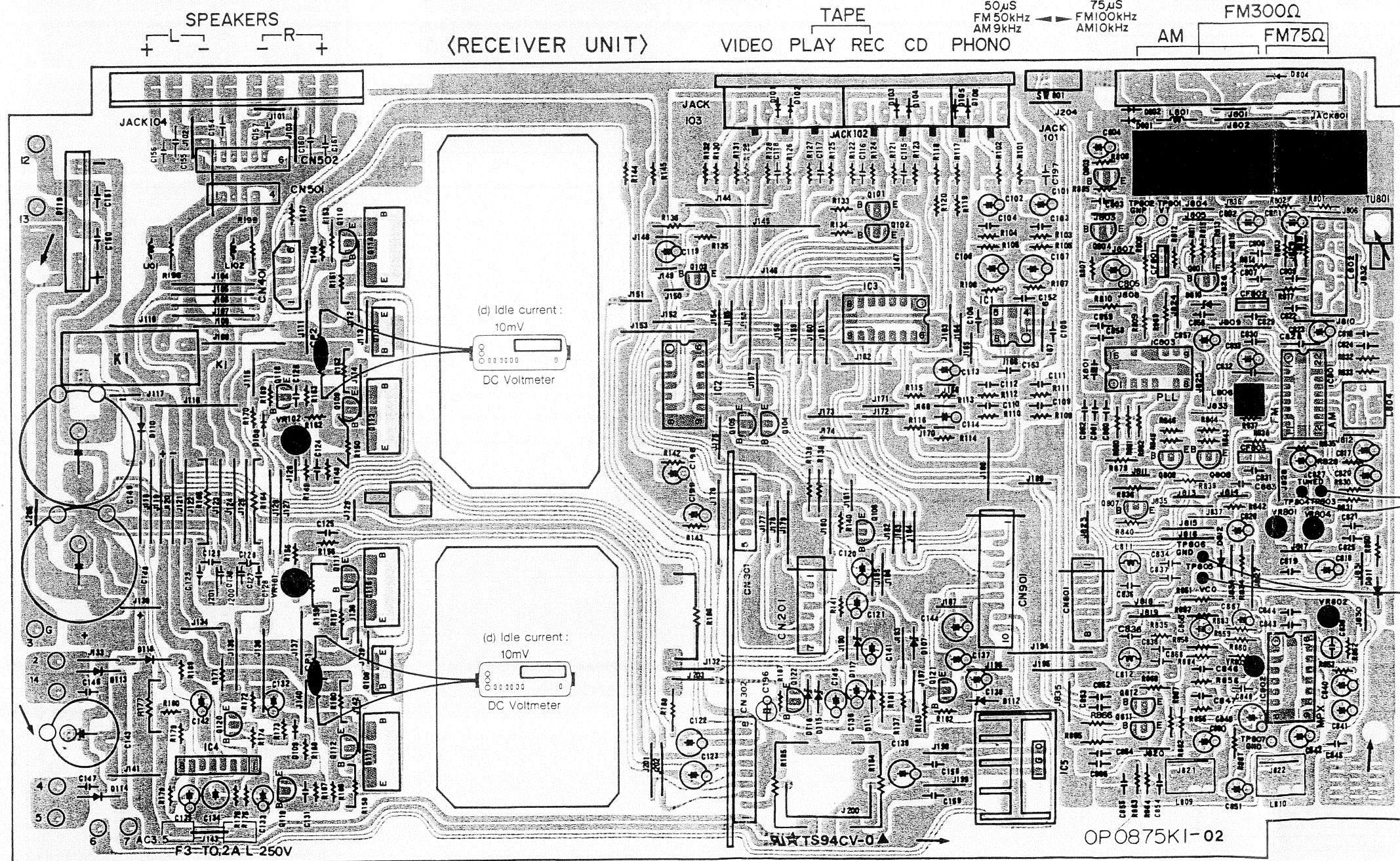
AC220-240V~ → AC110-120V~



<S/W POWER UNIT>

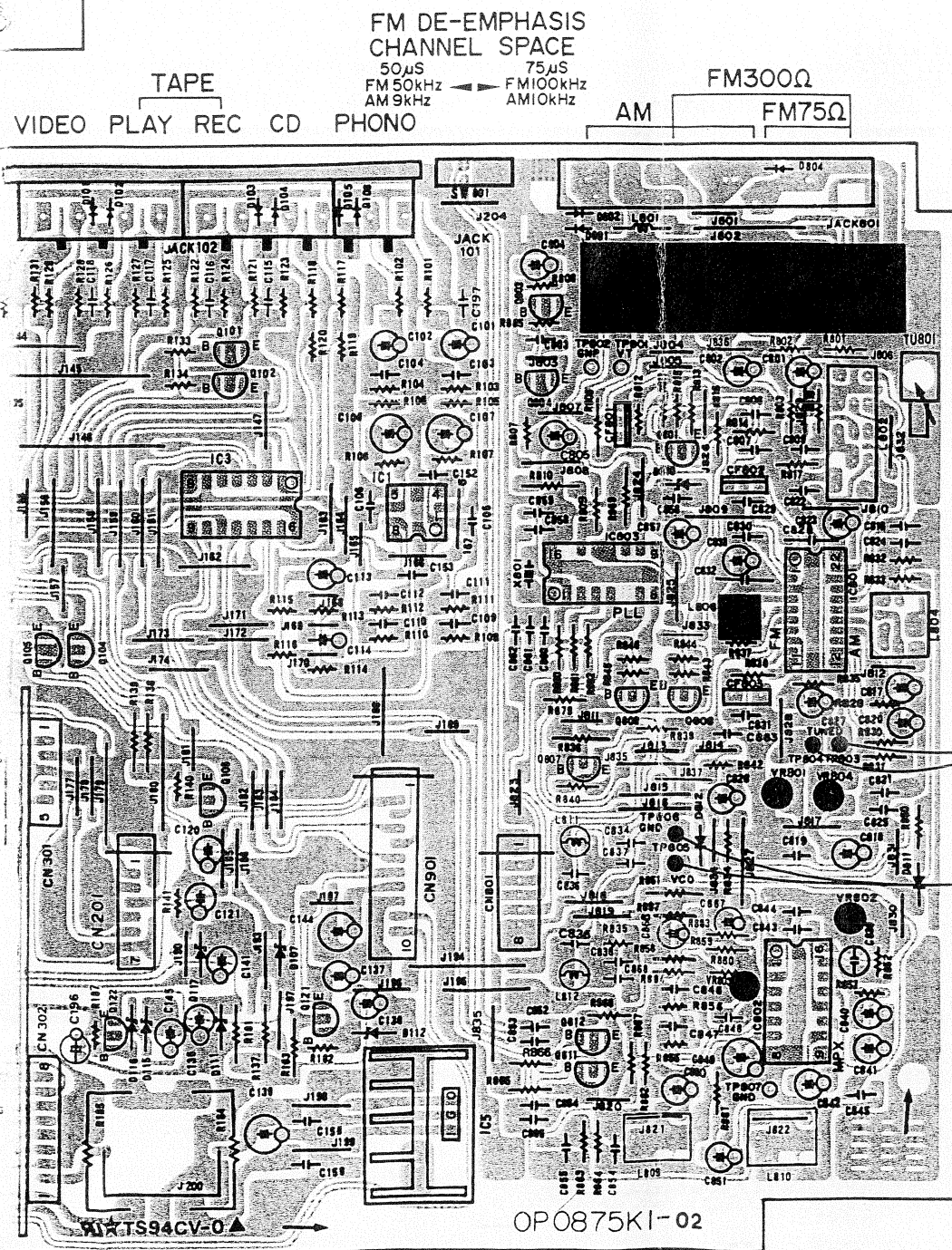
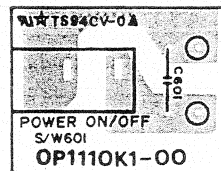


<RECEIVER UNIT>

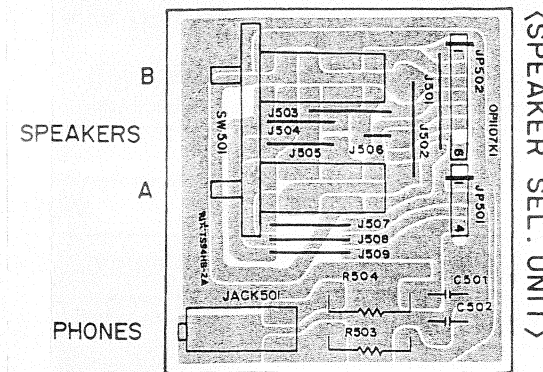


Refer to the schematic diagram for the values of resistors and capacitors.

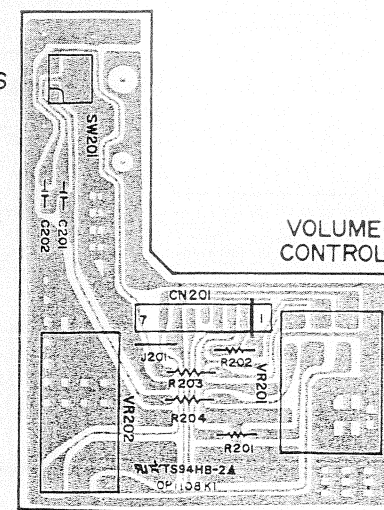
<S/W POWER UNIT>



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

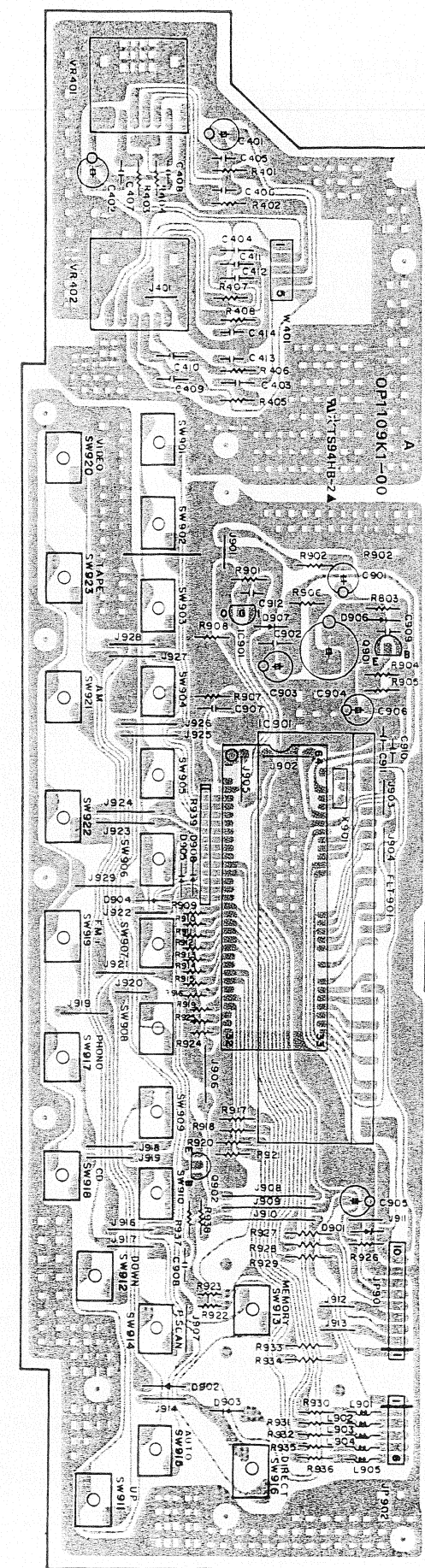


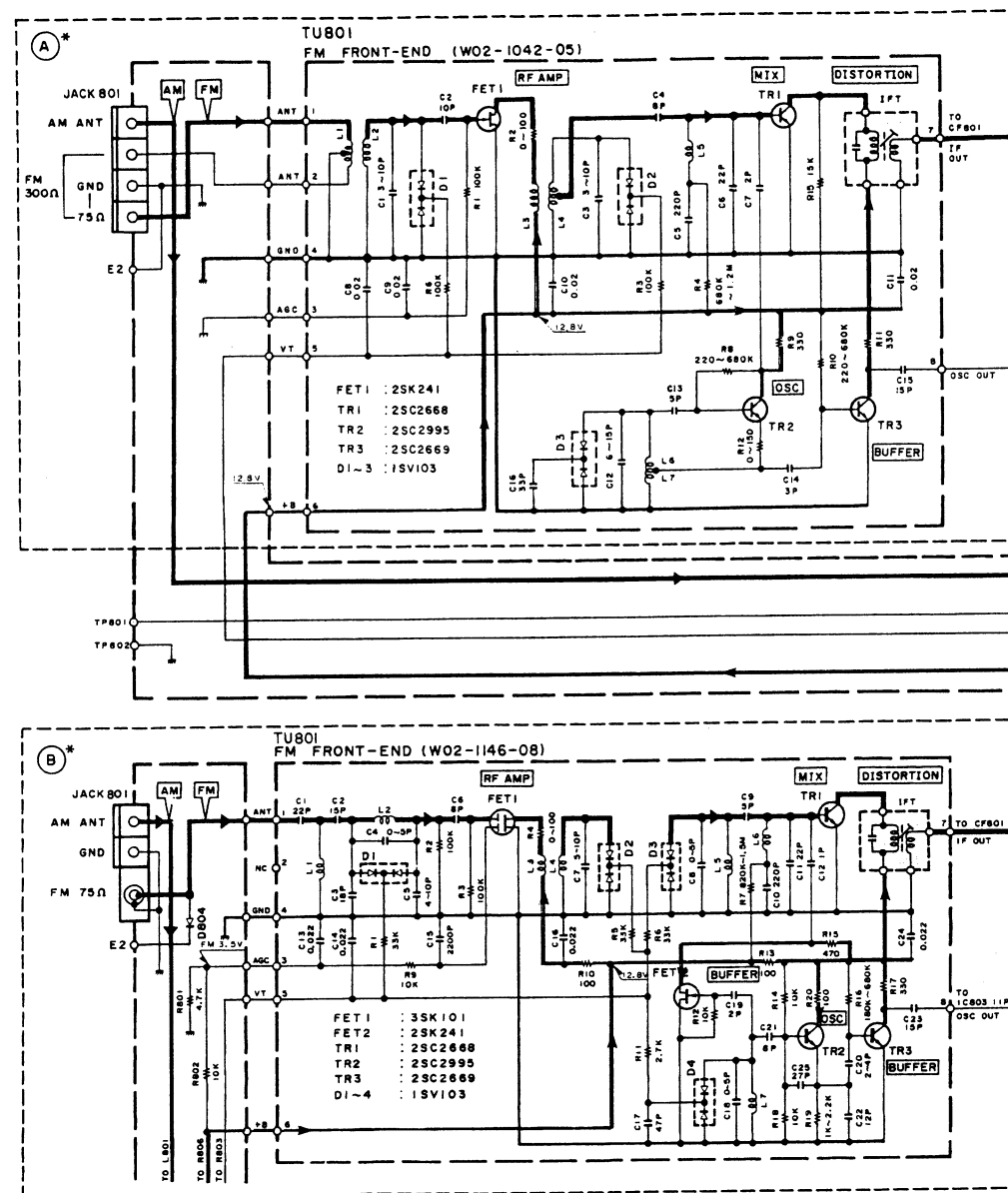
LOUDNESS



<VR UNIT>

<FRONT UNIT>



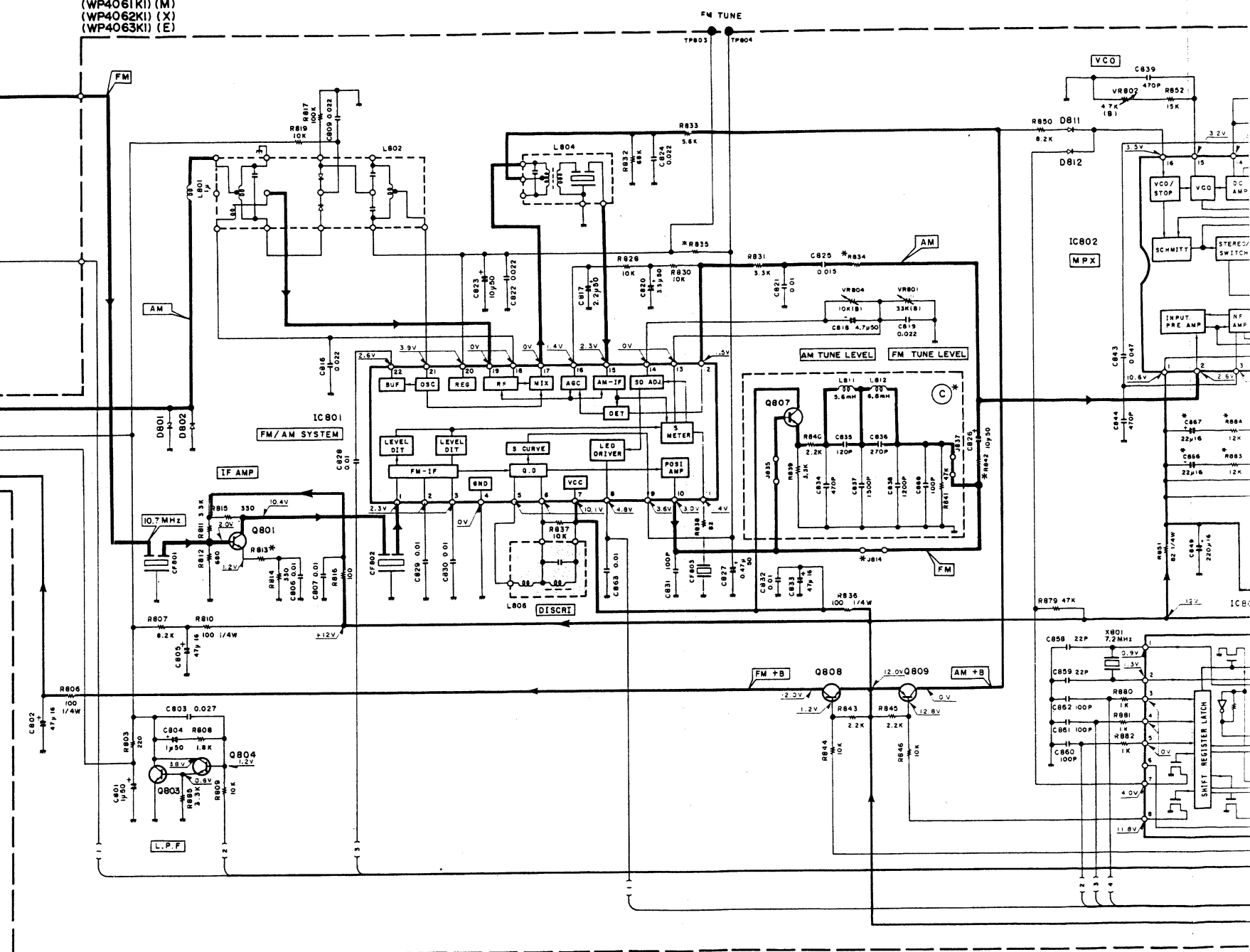


IC801 : LA1265
 IC802 : AN7470
 IC803 : LM7001

Q801 : 2SC1923
 Q803, 807, 811, 812 : 2SC1740S(Q,R)
 Q804 : 2SC1845(F,E)
 Q808, 809 : 2SA933S(Q,R)

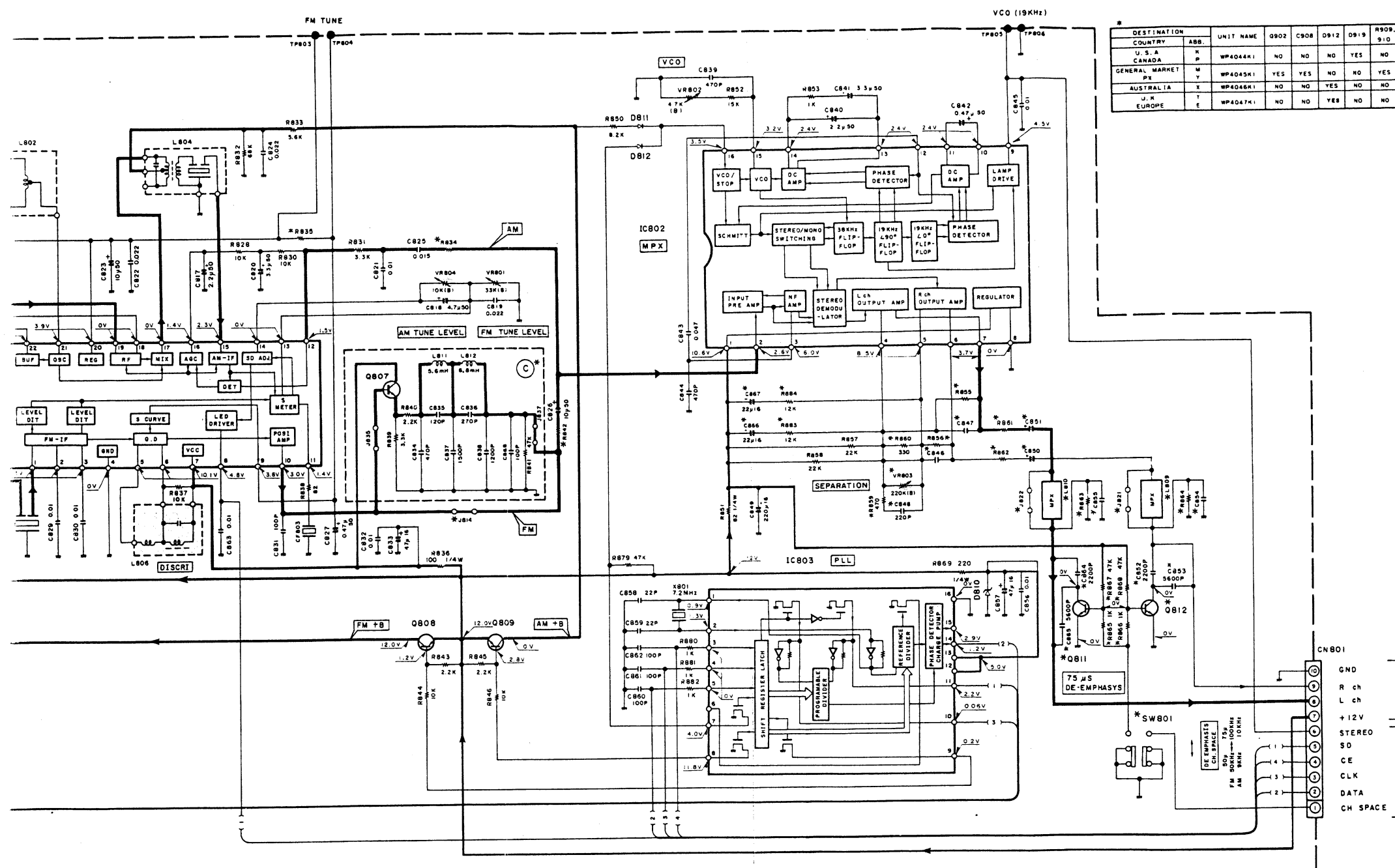
D801, 802, 804, 811, 812 : 1S5133
 D810 : RD5.1ES(B2)

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



DESTINATION	UNIT NAME	Q811, 812	R813	R834	R835	R842	R855, 856, 863, 864	R860	R861, 862	R863, 864, 865, 866, 867	C846, 847, 866, 867	C850, 851	C854, 855	C852, 853, 864, 865	L809, 810	J814, 821, 822	VR803	SW801	ⓐ	ⓑ
U.S.A.	WP4060K1	NO	56	36K	15K	39K	51K	NO	YES	3.6K	39K	NO	1.50	0.022	NO	NO	YES	NO	YES	NO
CANADA	WP4061K1	YES	56	36K	39K	39K	51K	NO	YES	3.6K	39K	YES	1.50	0.015	YES	NO	YES	YES	YES	NO
GENERAL MARKET	WP4062K1	NO	56	36K	39K	39K	51K	NO	YES	3.6K	39K	NO	1.50	0.015	NO	NO	YES	NO	YES	NO
AUSTRALIA	WP4063K1	NO	22	47K	39K	47K	47K	YES	NO	3.3K	3.3K	NO	100P	YES	2.2, 50	4700P	NO	YES	NO	YES
EUROPE	WP4063K1	NO	22	47K	39K	47K	47K	YES	NO	3.3K	3.3K	NO	100P	YES	2.2, 50	4700P	NO	YES	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.

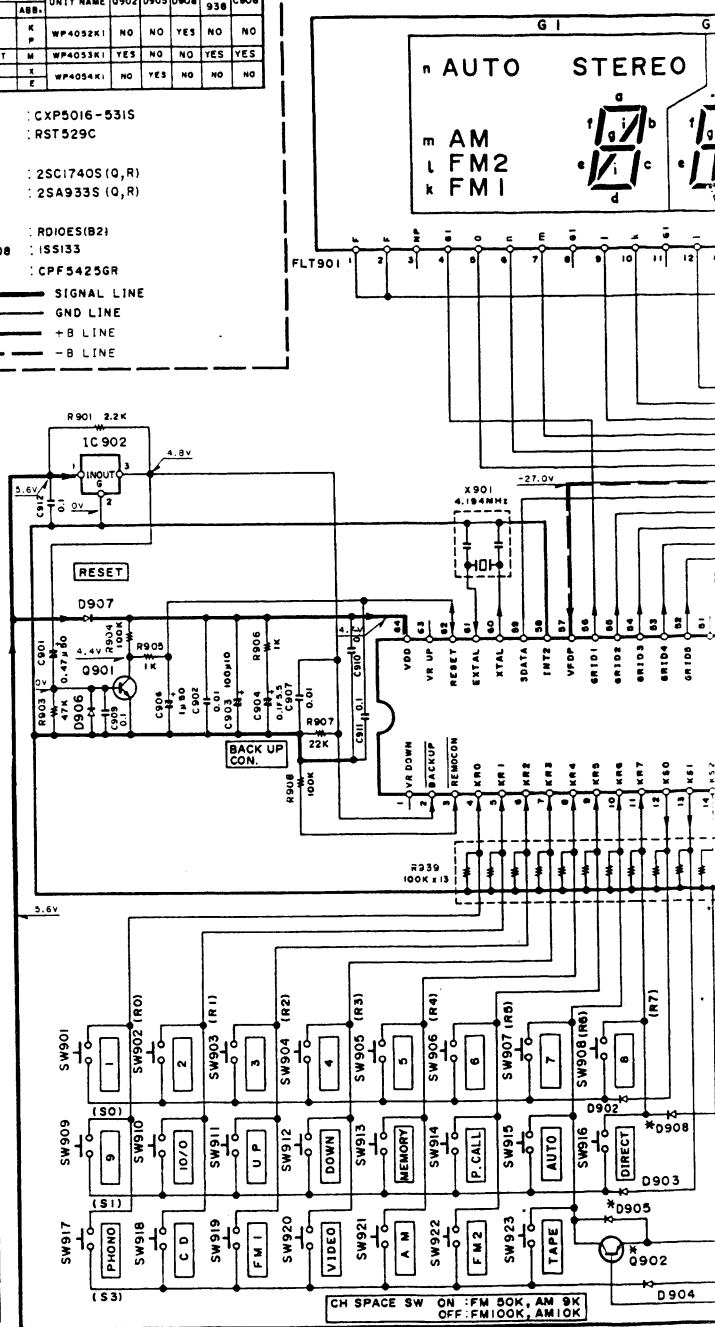


DESTINATION	COUNTRY	ABB.	UNIT NAME	Q902	C908	D912	D919	R909	R910
U.S.A.	U.S.A.	K	WP4044K1	NO	NO	NO	YES	NO	
CANADA	CANADA	P	WP4044K1	NO	NO	NO	YES	NO	
GENERAL MARKET	GENERAL MARKET	M	WP4044K1	YES	YES	NO	NO	YES	
AUSTRALIA	AUSTRALIA	X	WP4044K1	NO	NO	YES	NO	NO	
U.K.	U.K.	T	WP4044K1	NO	NO	YES	NO	NO	
EUROPE	EUROPE	E	WP4044K1	NO	NO	YES	NO	NO	

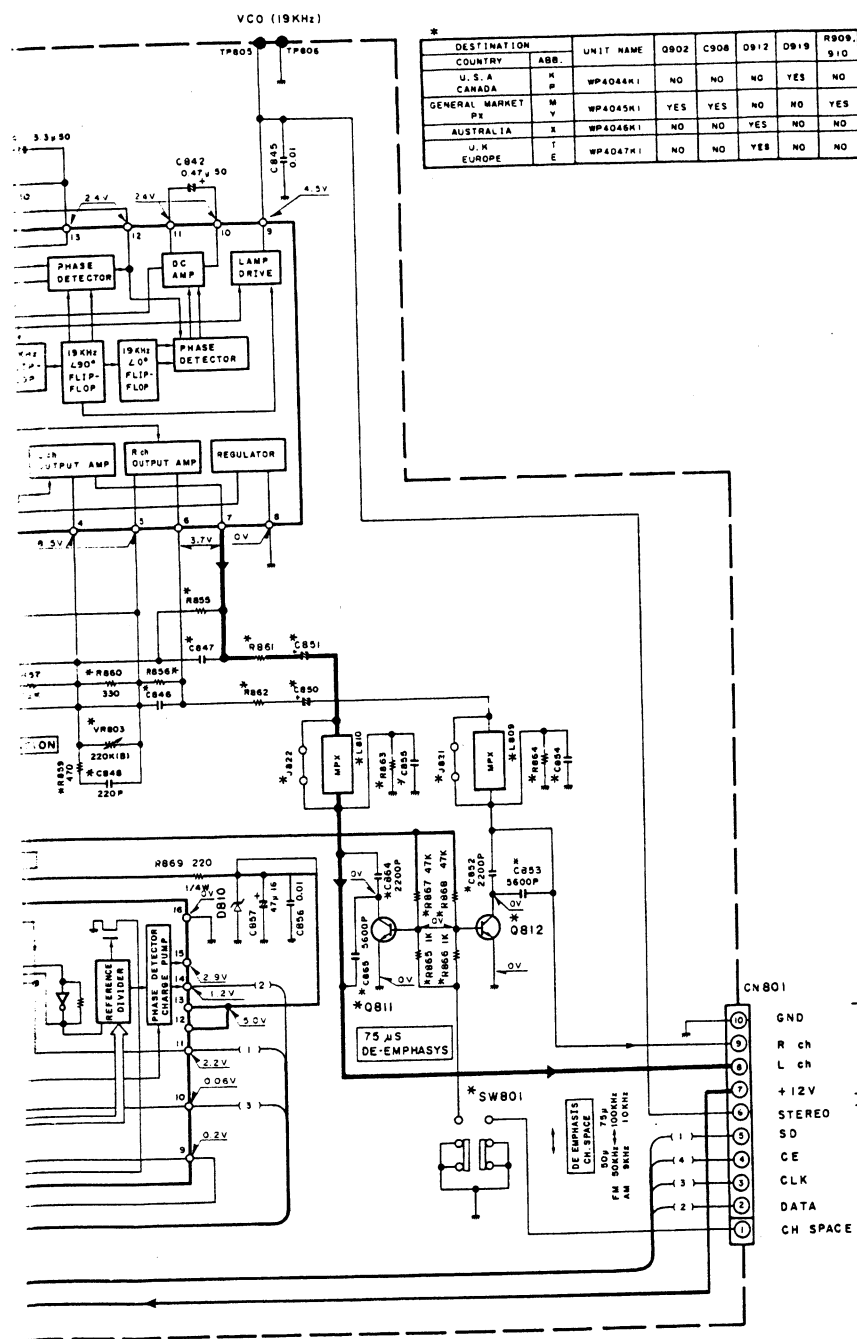
DESTINATION	COUNTRY	ABB.	UNIT NAME	Q902	D905	D908	R907	R908
U.S.A.	U.S.A.	K	WP4052K1	NO	NO	YES	NO	NO
CANADA	CANADA	P	WP4052K1	NO	NO	YES	NO	NO
GENERAL MARKET	GENERAL MARKET	M	WP4052K1	YES	NO	NO	YES	YES
AUSTRALIA	AUSTRALIA	X	WP4052K1	NO	YES	NO	NO	NO
U.K.	U.K.	T	WP4052K1	NO	YES	NO	NO	NO
EUROPE	EUROPE	E	WP4052K1	NO	YES	NO	NO	NO

IC901 : CXP5016-531S
 IC902 : RST529C
 Q901 : 2SC1740S (Q,R)
 Q902 : 2SA933S (Q,R)
 D901 : RD10ES (B2)
 D902 : IS5133
 FLT901 : CPF5425GR
 SIGNAL LINE
 GND LINE
 +B LINE
 -B LINE

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



Q901	R880	R881, 862	R883, 864	R885 -888	C846, 847	C848, 866, 867	C850, 851	C854, 855	C852, 853, 864, 865	L808, 810	J814, 821, 822	VR803	SW801	(A)	(B,C)
1	YES	3. 6K	39K	NO	ISOP	NO	1. 50	0. 022	NO	NO	YES	NO	NO	YES	NO
2	YES	3. 6K	39K	YES	ISOP	NO	1. 50	0. 015	YES	NO	YES	NO	YES	YES	NO
3	YES	3. 6K	39K	NO	ISOP	NO	1. 50	0. 015	NO	NO	YES	NO	NO	YES	NO
4	NO	3. 3K	3. 3K	NO	1000P	YES	2. 2, 50	4700P	NO	YES	NO	YES	NO	NO	YES

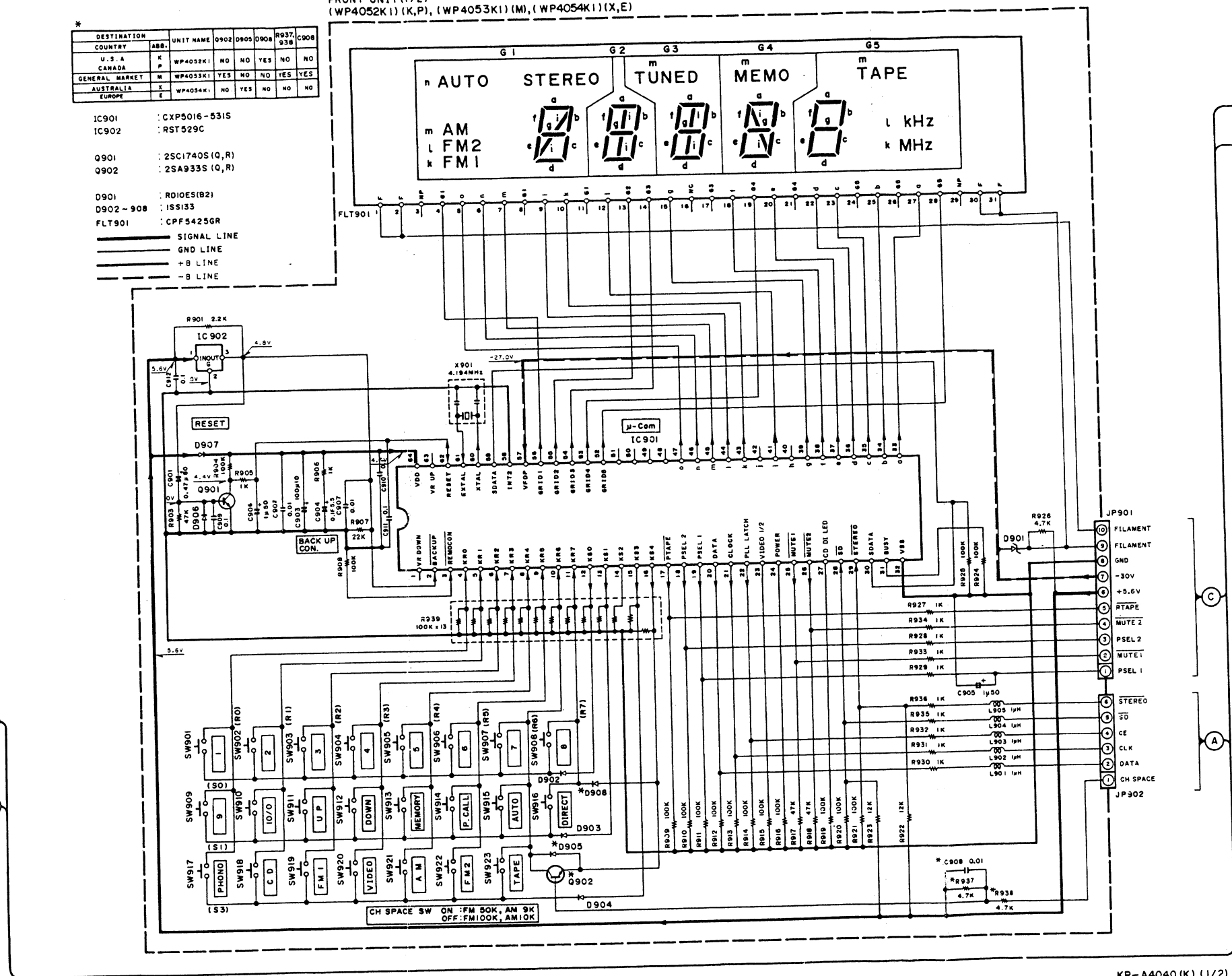


DESTINATION	UNIT NAME	Q902	Q905	Q908	R937	C908
U.S.A	WP4052K1	NO	NO	YES	NO	NO
CANADA	WP4052K1	NO	NO	YES	NO	NO
GENERAL MARKET	WP4053K1	YES	NO	NO	YES	YES
AUSTRALIA	WP4054K1	NO	YES	NO	NO	NO
EUROPE	WP4054K1	NO	YES	NO	NO	NO

IC901 : CXP5016-53IS
 IC902 : RST529C
 Q901 : 2SC1740S (Q,R)
 Q902 : 2SA933S (Q,R)
 D901 : RD10ES (B2)
 D902 ~ 908 : ISS133
 FLT901 : CPF5425GR

— SIGNAL LINE
 — GND LINE
 — +B LINE
 — -B LINE

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



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

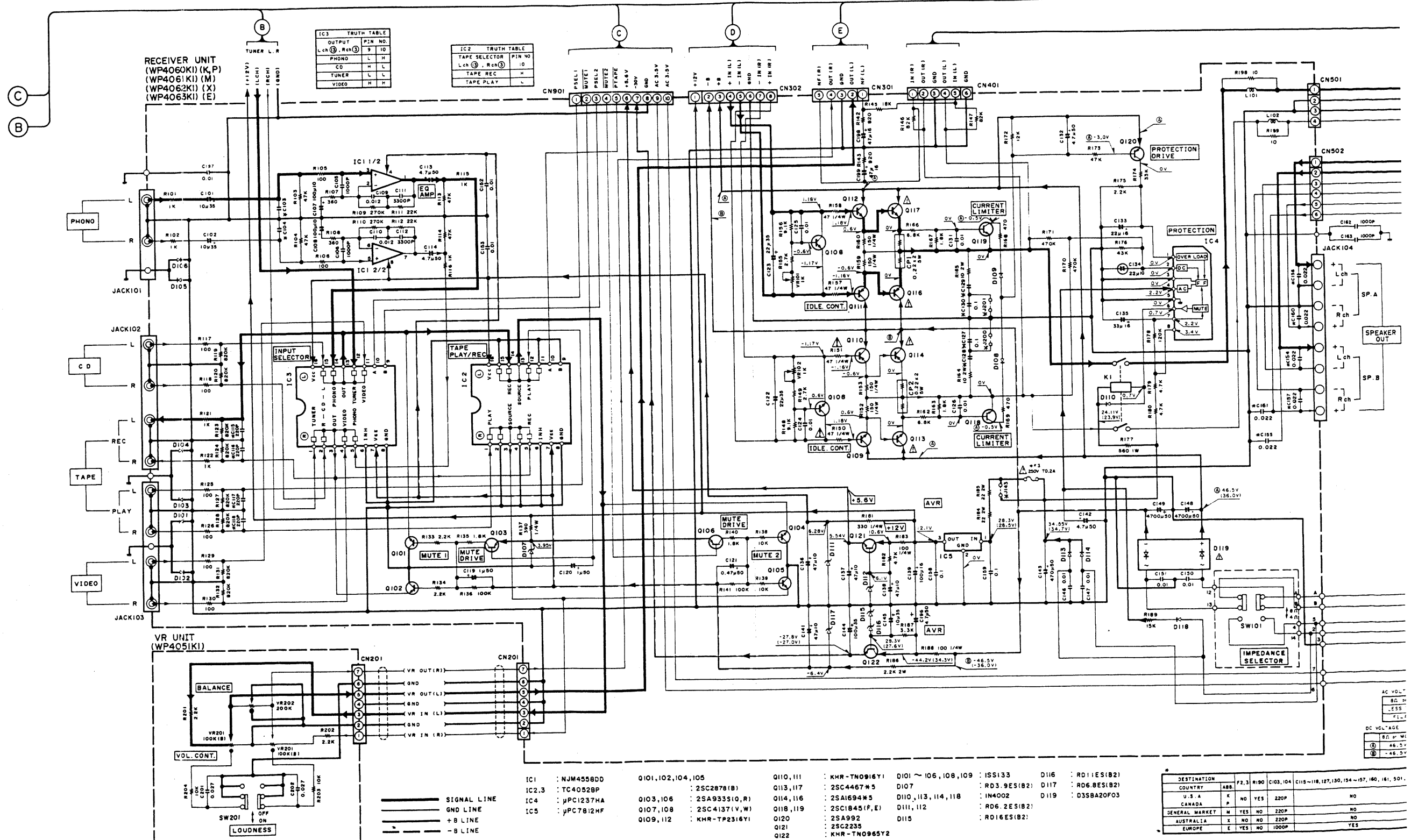
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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 hochohmhigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

Y05-2650-10

KR-A4040
KENWOOD



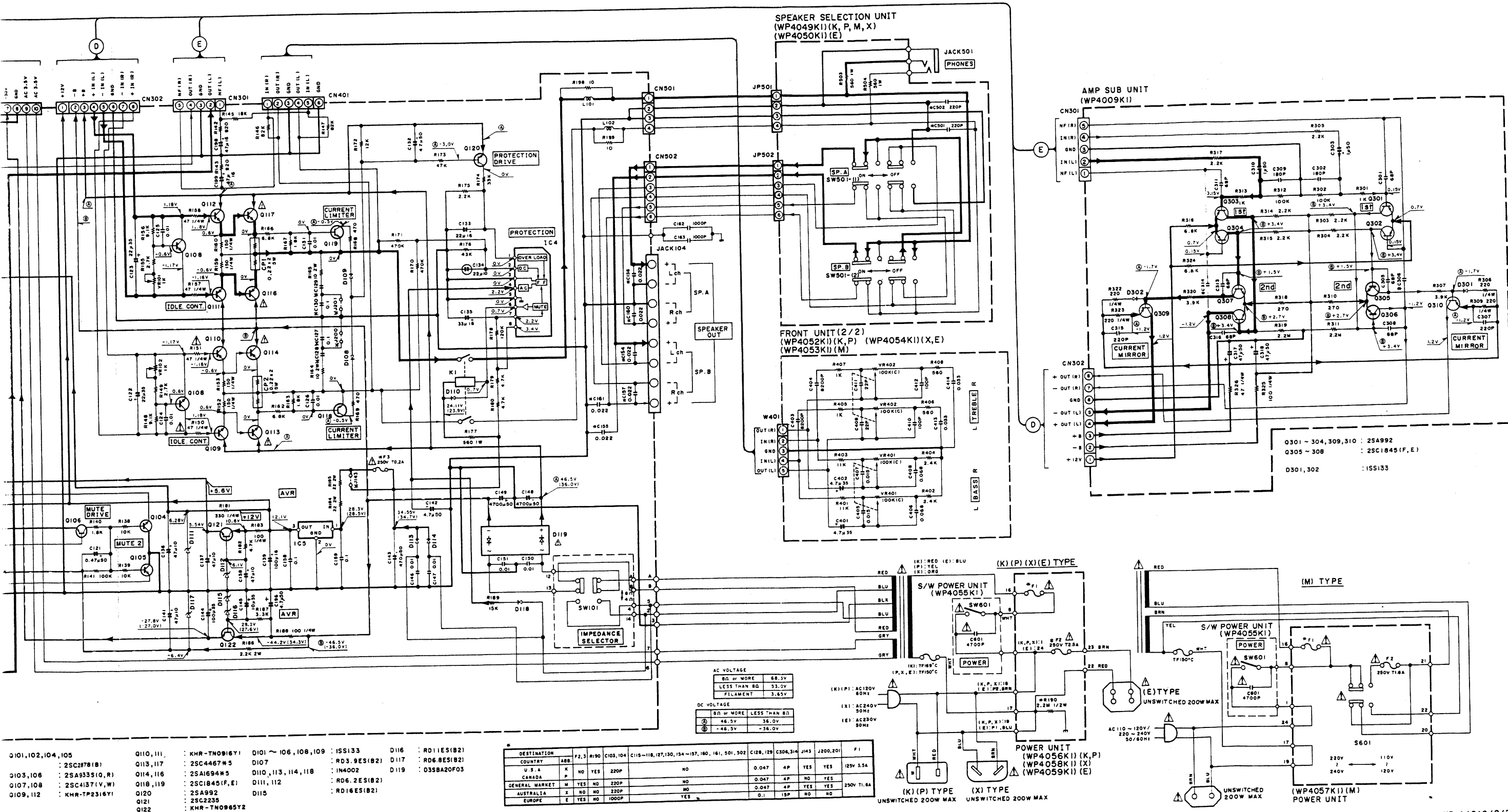
IC3 TRUTH TABLE

OUTPUT	PIN NO.
PHONO	1
CD	2
TUNER	3
VIDEO	4

IC2 TRUTH TABLE

TAPE SELECTOR	TAPE REC	TAPE PLAY
1	2	3

DESTINATION	FR. 3	R190	C103, 104	C115-118, 127, 130, 134-137, 160, 161, 501
COUNTRY	AB			
U.S.A.	K	NO	YES	220P
CANADA	P	NO	YES	220P
GENERAL MARKET	M	YES	NO	220P
AUSTRALIA	X	NO	NO	220P
EUROPE	E	YES	NO	1000P



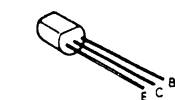
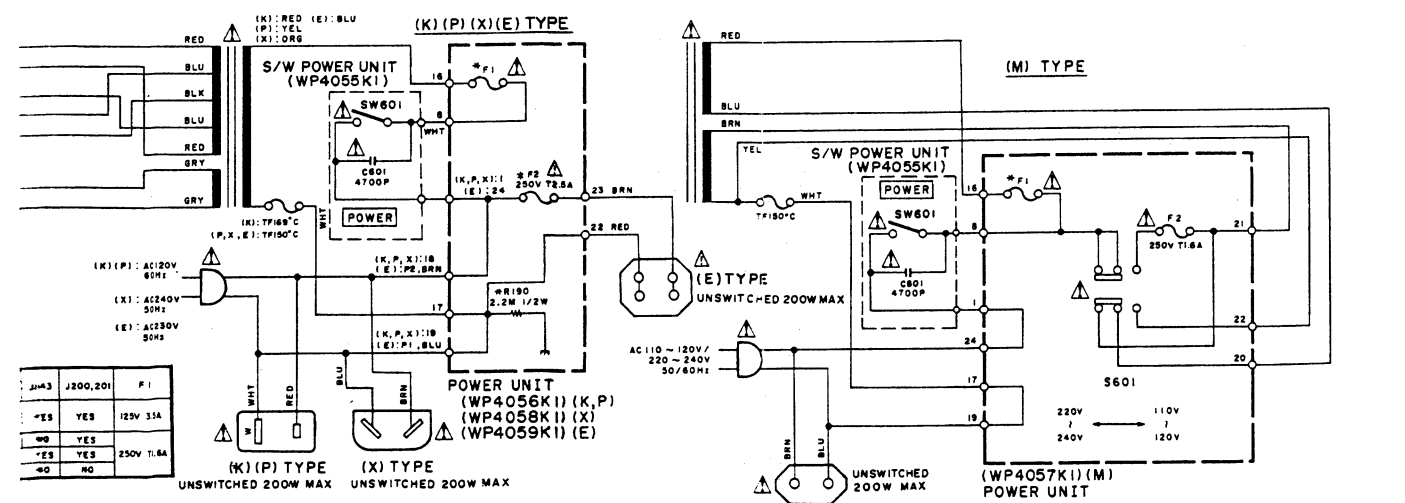
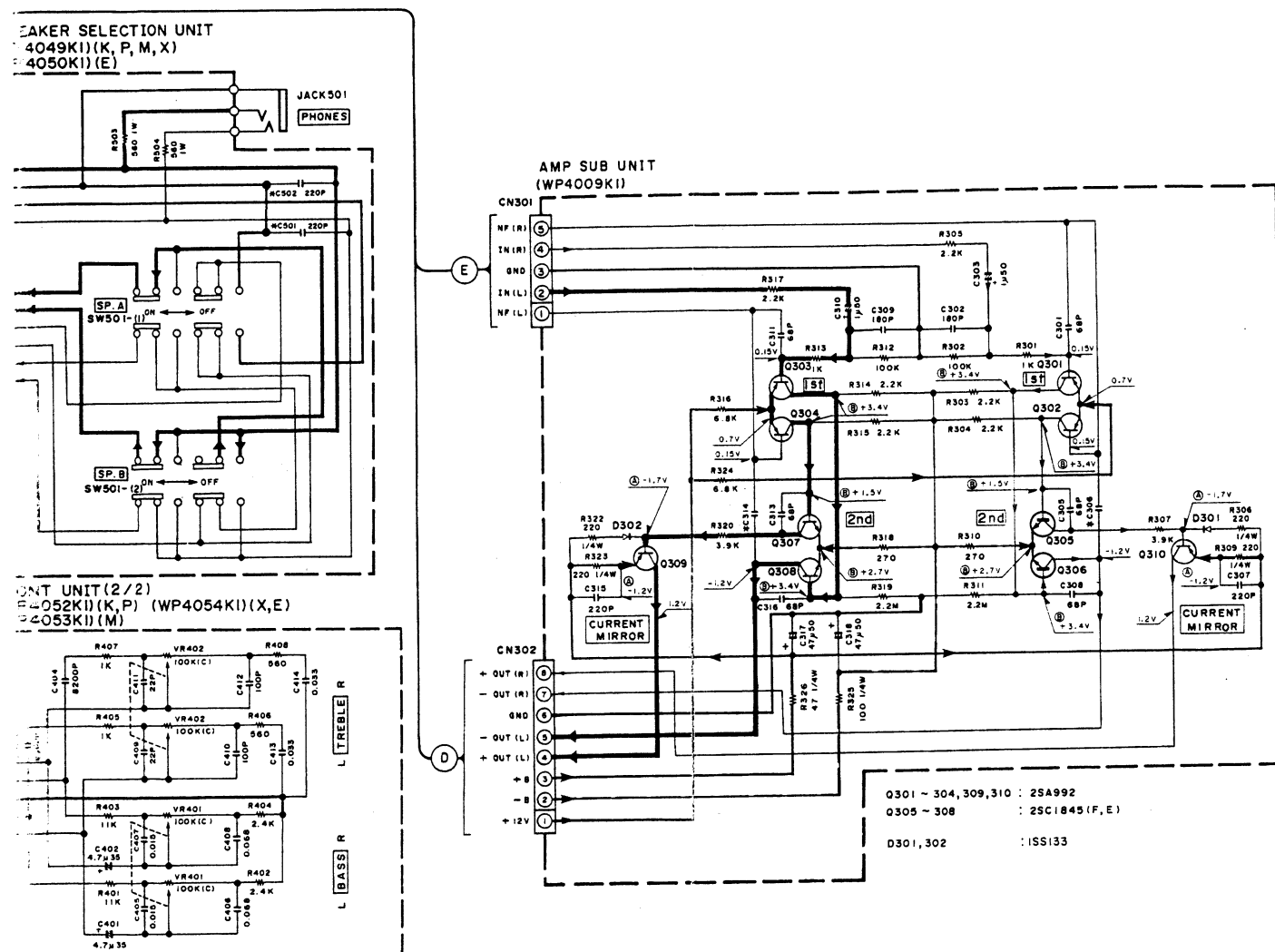
Q101, 102, 104, 105	Q110, 111	Q113, 117	Q114, 116	Q118, 119	Q120	Q121	Q122
2SC2878(B)	2SC4467(M)	2SA1694(M)	2SC1845(F, E)	2SA992	2SC2235	KHR-TN0916Y1	KHR-TN0965Y2

DESTINATION	AB	F2, 3	R190	C103, 104	C115-118, 127, 130, 134-137, 160, 161, 501, 502	C128, 129	C306, 314	J43	J200, 201	F1
U.S.A.	K	NO	YES	220P	NO	0.047	4P	YES	YES	125V 3.5A
CANADA	P	NO	YES	220P	NO	0.047	4P	NO	YES	250V 11.8A
GENERAL MARKET	M	YES	NO	220P	NO	0.047	4P	YES	YES	250V 11.8A
AUSTRALIA	X	NO	NO	220P	YES	0.1	15P	NO	NO	
EUROPE	E	YES	NO	1000P	YES					

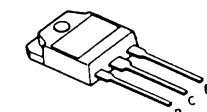
AC VOLTAGE	80 W MORE	LESS THAN 80
①	48.5V	36.0V
②	48.5V	36.0V

DC VOLTAGE	80 W MORE	LESS THAN 80
①	48.5V	36.0V
②	48.5V	36.0V

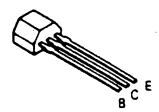
POWER UNIT	(K) (P) (X) (E) TYPE	(M) TYPE
POWER	UNSWITCHED 200W MAX	UNSWITCHED 200W MAX



2SA992
2SC1845
2SC1923
2SC2235
2SC2878



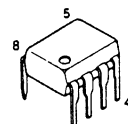
2SA1694*5
2SC4467*5



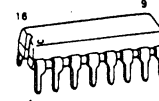
2SA933S
2SC1740S



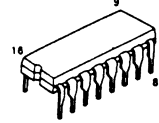
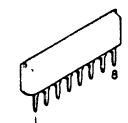
2SC4137



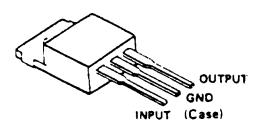
NJM4558DC



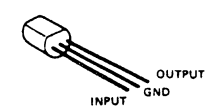
LM7001

AN7470
TC4052BE

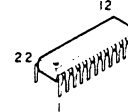
UPC1237HA



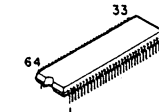
UPC7812H



RST5290



LA1265



CXP5016-5319

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.

EXPLODED VIEW



* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés 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	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 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)	PE	
-	-	*	B60-0856-08	INSTRUCTION MANUAL(FRENCH)	E	
-	-	*	B60-0857-08	INSTRUCTION MANUAL(G, D, I)	M	
-	-	*	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	KNØB(VIDEO, TAPE, TUNER, PHONO, CD		
624	2B		K27-2034-08	KNØB(LOUDNESS)		
625	1B		K27-2033-08	KNØB(SPEAKERS A, B ON/OFF)		
626	2B		K29-4273-08	KNØB(VOLUME CONTROL)		
627	1A	*	K27-2083-08	KNØB(POWER ON/OFF)		
628	2B	*	K29-4444-08	KNØB(BALANCE)		
629	2A	*	K29-4445-08	KNØB(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

△ indicates safety critical components

△印は安全部品

Parts without Parts No. are not supplied.

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

L:Scandinavia

K:USA

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Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

△印は安全部品

KR-A4040

PARTS LIST

* New Parts

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Teile ohne Parts No. werden nicht geliefert.

NO. 3

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C822			CK45FF1H223Z	CERAMIC 0.022UF Z		
C823			CE04KW1H100M	ELECTR0 10UF 50WV		
C824			CK45FF1H223Z	CERAMIC 0.022UF Z		
C825			CF92FV1H153J	MF 0.015UF J		
C826			CE04KW1H100M	ELECTR0 10UF 50WV		
C827			CE04KW1HR47M	ELECTR0 0.47UF 50WV		
C828-830			CK45FF1H103Z	CERAMIC 0.010UF Z		
C831			CC45FCH1H101J	CERAMIC 100PF J		
C832			CK45FF1H103Z	CERAMIC 0.010UF Z		
C833			CE04KW1C470M	ELECTR0 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	ELECTR0 2.2UF 50WV		
C841			CE04KW1H3R3M	ELECTR0 3.3UF 50WV		
C842			CE04KW1HR47M	ELECTR0 0.47UF 50WV		
C843			CF92FV1H473J	MF 0.047UF J		
C844			CK45FB1H471K	CERAMIC 470PF K		
C845			CK45FF1H103Z	CERAMIC 0.010UF Z	KPMX	
C846, 847			CC45FSL1H151J	CERAMIC 150PF J	E	
C846, 847			CK45FB1H102K	CERAMIC 1000PF K	E	
C848			CC45FCH1H221J	CERAMIC 220PF J	E	
C849			CE04KW1C221M	ELECTR0 220UF 16WV		
C850, 851			CE04KW1H010M	ELECTR0 1.0UF 50WV	KPMX	
C850, 851			CE04KW1H2R2M	ELECTR0 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	ELECTR0 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	ELECTR0 22UF 16WV	E	
C868			CC45FCH1H101J	CERAMIC 100PF J	E	
JACK101	1C		E13-0249-05	PHONO JACK(2P)(PHONO)		
JACK102	1C		E13-0445-05	PHONO JACK(4P)(CD, TAPE)		
JACK103	1C		E13-0445-05	PHONO JACK(4P)(TAPE, VIDEO)		
JACK104	1C		E70-0006-08	LOCK TERMINAL BOARD(SPEAKERS)		
JACK801	1C		E70-0005-08	LOCK TERMINAL BOARD(ANTENNA)	KPMX	
JACK801	1C	*	E70-0023-08	LOCK TERMINAL BOARD(ANTENNA)	E	
F3			F05-2015-05	FUSE(250V T0.2A)	ME	
-			J13-0075-05	FUSE CLIP	ME	
CF801, 802			L72-0531-05	CERAMIC FILTER	KPMX	
CF801, 802		*	L72-0570-08	CERAMIC FILTER	E	

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

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Teile ohne Parts No. werden nicht geliefert.

NO. 4

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
CF803			L72-0096-05	CERAMIC FILTER		
L101, 102			L39-1303-08	SMALL FIXED INDUCTOR		
L801			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L802			L39-0169-05	COMBINATION COIL		
L804			L30-0468-05	AM IFT		
L806			L30-0439-05	FM IFT(DISCRIMINATOR ADJ.)		
L809, 810		*	L72-0569-08	LC FILTER	E	
L811		*	L33-0375-08	SMALL FIXED INDUCTOR(5.6mH)	E	
L812		*	L33-0376-08	SMALL FIXED INDUCTOR(6.8mH)	E	
X801			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
CP1, 2			R90-0187-05	MULTI-COMP 0.22X2 K 5W		
R137			RD14GB2E391J	FL-PROOF RD 390 J 1/4W		
R150, 151			RD14GB2E470J	FL-PROOF RD 47 J 1/4W		
R152, 153			RD14GB2E151J	FL-PROOF RD 150 J 1/4W		
R157, 158			RD14GB2E470J	FL-PROOF RD 47 J 1/4W		
R159, 160			RD14GB2E151J	FL-PROOF RD 150 J 1/4W		
R164, 165			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R177			RS14KB3A561J	FL-PROOF RS 560 J 1W		
R181			RD14GB2E331J	FL-PROOF RD 330 J 1/4W		
R183			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R184, 185			RS14KB3D220J	FL-PROOF RS 22 J 2W		
R186			RS14KB3D222J	FL-PROOF RS 2.2K J 2W		
R188			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R806			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R810			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R836			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R851			RD14GB2E820J	FL-PROOF RD 82 J 1/4W		
R869			RD14GB2E221J	FL-PROOF RD 220 J 1/4W		
VR101, 102			R12-1066-05	POTENTIOMETER(1K)(IDLE CURRENT)		
VR801			R12-3166-08	POTENTIOMETER(33K)(FM T-LEVEL)		
VR802			R12-1053-05	POTENTIOMETER(47K)(VCO)		
VR803		*	R12-5079-08	POTENTIOMETER(220K)(SEPARATION)	E	
VR804			R12-3071-05	POTENTIOMETER(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	DIODE		
D107			RD3.9ES(B2)	ZENER DIODE		
D108, 109			1SS133	DIODE		
D110			1N4002	DIODE		
D111, 112			RD6.2ES(B2)	ZENER DIODE		
D113, 114			1N4002	DIODE		
D115			RD16ES(B2)	ZENER DIODE		
D116			RD11ES(B2)	ZENER DIODE		
D117			RD6.8ES(B2)	ZENER DIODE		
D118			1N4002	DIODE		
△D119			D3SBA20F03	DIODE		
D801, 802			1SS133	DIODE		
D804			1SS133	DIODE		
D810			RD5.1ES(B2)	ZENER DIODE		
D811, 812			1SS133	DIODE		
IC1			NJM4558DD	IC(OP AMP X2)		
IC2, 3			TC4052BP	IC(4CH MPX/DE-MPX)		
IC4			UPC1237HA	IC(POWER AMP)		

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PARTS LIST

KR-A4040

× New Parts
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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	Desti- nation 仕向	Re- marks 備考
IC5 IC801 IC802 IC803 Q101, 102			UPC7812HF LA1265 AN7470 LM7001 2SC2878(B)	IC(VOLTAGE REGULATOR/ +12V) IC(FM/AM TUNER) IC(FM MPX) IC(PLL FREQUENCY SYNTHESIZER) TRANSISTOR		
Q103 Q104, 105 Q106 Q107, 108 Q109			2SA933S(Q,R) 2SC2878(B) 2SA933S(Q,R) 2SC4137(V,W) KHR-TP2316Y1	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q110, 111 Q112 Q113 Q114 Q116		*	KHR-TN0916Y1 KHR-TP2316Y1 2SC4467*5 2SA1694*5 2SA1694*5	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q117 Q118, 119 Q120 Q121 Q122		*	2SC4467*5 2SC1845(F,E) 2SA992 2SC2235 KHR-TN0965Y2	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q801 Q803 Q804 Q807 Q808, 809			2SC1923 2SC1740S(Q,R) 2SC1845(F,E) 2SC1740S(Q,R) 2SA933S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	E	
Q811, 812			2SC1740S(Q,R)	TRANSISTOR	M	
TU801 TU801	2C 2C	*	W02-1042-05 W02-1146-08	FM FRONT-END ASSY FM FRONT-END ASSY	KPMX E	
FRONT UNIT						
C401, 402 C403, 404 C405 C406 C407			CE04KW1V4R7M CF92FV1H022J CF92FV1H153J CF92FV1H683J CF92FV1H153J	ELECTRO 4.7UF 35WV MF 8200PF J MF 0.015UF J MF 0.068UF J MF 0.015UF J		
C408 C409 C410 C411 C412			CF92FV1H683J CC45FCH1H220J CC45FCH1H101J CC45FCH1H220J CC45FCH1H101J	MF 0.068UF J CERAMIC 22PF J CERAMIC 100PF J CERAMIC 22PF J CERAMIC 100PF J		
C413, 414 C901 C902 C903 C904			CF92FV1H333J CE04JW1HR47M CK45FF1H103Z CE04KW1A101M KHR-PX0001N3	MF 0.033UF J ELECTRO 0.47UF 50WV CERAMIC 0.010UF Z ELECTRO 100UF 10WV ELECTRO 0.1F 5.5WV		
C905, 906 C907 C908			CE04KW1H010M CK45FF1H103Z CK45FF1H103Z	ELECTRO 1.0UF 50WV CERAMIC 0.010UF Z CERAMIC 0.010UF Z		M
L901-905 X901			L40-1091-17 L78-0209-05	SMALL FIXED INDUCTOR(1UH) RESONATOR(4.194MHz)		
R939 VR401, 402	2A	*	R90-0483-05 KHR-VR0430G1	MULTI-COMP 100KX13 J 1/6W POTENTIOMETER(100K)(BASS, TREB)		
SW901-923	2A, 2B		KHR-ST0340M1	TACT SWITCH		

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D901 D902-904 D905 D906, 907 D908			RD10ES(B2) 1SS133 1SS133 1SS133 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		XE KP
FLT901 IC901 IC902 Q901 Q902	2B		CPF5425GR CKP5016-531S RST529C 2SC1740S(Q,R) 2SA933S(Q,R)	FLUORESCENT INDICATOR TUBE IC(4BIT MICROPROCESSOR) IC(RESET) TRANSISTOR TRANSISTOR		M
VR UNIT						
C201, 202			CF92FV1H273J	MF 0.027UF J		
VR201 VR202	2B 2B		R06-5200-08 R01-5084-08	POTENTIOMETER 100K(VOLUME) POTENTIOMETER 200K(BALANCE)		
SW201	2B		S40-2376-05	PUSH SWITCH(LOUDNESS)		
SPEAKER SELECTION UNIT						
C501, 502			CC45FSL1H221J	CERAMIC 220PF J	E	
JACK501	1B		E11-0223-08	PHONE JACK(PHONES)		
R503, 504			RS14KB3A561J	FL-PROOF RS 560 J 1W		
SW501	1B		S42-2156-05	PUSH SWITCH(SPEAKERS ON/OFF)		
AMP SUB UNIT						
C301 C302 C303 C305 C306			CC45FSL1H680J CC45FCH1H181J CE04KW1H010M CC45FSL1H680J CC45FCH1H040J	CERAMIC 68PF J CERAMIC 180PF J ELECTRO 1.0UF 50WV CERAMIC 68PF J CERAMIC 4.0PF J		
C307 C308 C309 C310 C311			CC45FCH1H221J CC45FSL1H680J CC45FCH1H181J CE04KW1H010M CC45FSL1H680J	CERAMIC 220PF J CERAMIC 68PF J CERAMIC 180PF J ELECTRO 1.0UF 50WV CERAMIC 68PF J		
C313 C314 C315 C316 C317, 318			CC45FSL1H680J CC45FCH1H040J CC45FCH1H221J CC45FSL1H680J CE04KW1H470M	CERAMIC 68PF J CERAMIC 4.0PF J CERAMIC 220PF J CERAMIC 68PF J ELECTRO 47UF 50WV		
R306 R309 R310 R318 R322, 323			RD14GB2E221J RD14GB2E221J RD14GB2E271J RD14GB2E271J RD14GB2E221J	FL-PROOF RD 220 J 1/4W FL-PROOF RD 220 J 1/4W FL-PROOF RD 270 J 1/4W FL-PROOF RD 270 J 1/4W FL-PROOF RD 220 J 1/4W		
R325 R326			RD14GB2E470J RD14GB2E101J	FL-PROOF RD 47 J 1/4W FL-PROOF RD 100 J 1/4W		
D301, 302 Q301-304 Q305-308 Q309, 310			1SS133 2SA992(F,E) 2SC1845(F,E) 2SA992(F,E)	DIODE TRANSISTOR TRANSISTOR TRANSISTOR		
S/W POWER UNIT						
C601			KHR-QM4726M6	CERAMIC 4700PF P		

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NO. 7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 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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PARTS LIST

KR-A4040

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 + 55 W

Total Harmonic Distortion
..... 0.09% (30 Hz - 20 kHz, 50 W, 8 Ω)

Input Sensitivity/Impedance
PHONO (MM) 2.5 mV/47 k Ω
CD, TAPE, VIDEO 200 mV/47 k Ω

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 μ V at 75 Ω)
50 dB Quieting Sensitivity

MONO 16.2 dBf (3.5 μ V at 75 Ω)
STEREO 38.2 dBf (45 μ V 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 μ V (400 μ V/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) x 129 (H) x 284 (D) mm
(17-5/16" x 5-1/16" x 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 k Ω
CD, TAPE, VIDEO 200 mV/47 k Ω

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 μ V
(STEREO) 40 μ V

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 μ V/(400 μ V/m)
Signal to Noise Ratio 50 dB
Total Harmonic Distortion 0.5%
Selectivity 22 dB

GENERAL

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

KENWOOD CORPORATION

Shonogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku Tokyo 150 Japan

KENWOOD U.S.A. CORPORATION
2201 East Dominguez Street, Long Beach, CA 90810,
550 Clark Drive, Mount Olive, NJ 07828, U.S.A.

KENWOOD ELECTRONICS CANADA INC.
P.O. BOX 1075, 959 Gana Court, Mississauga, Ontario Canada L4T 4C2

TRIO-KENWOOD U.K. LIMITED
KENWOOD House, Dwight Road, Watford, Herts., WD1 8ES United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.
Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrucker Str. 15 6056 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France

KENWOOD LINEAR S.p.A.
20125 MILANO-VIA ARBE 50 ITALY

KENWOOD ELECTRONICS AUSTRALIA PTY LTD INCORPORATED IN N.S.W.
P.O. Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS LTD
Wang Kee Building, 4th Floor, 34-37 Connaught Road Central, Hong Kong