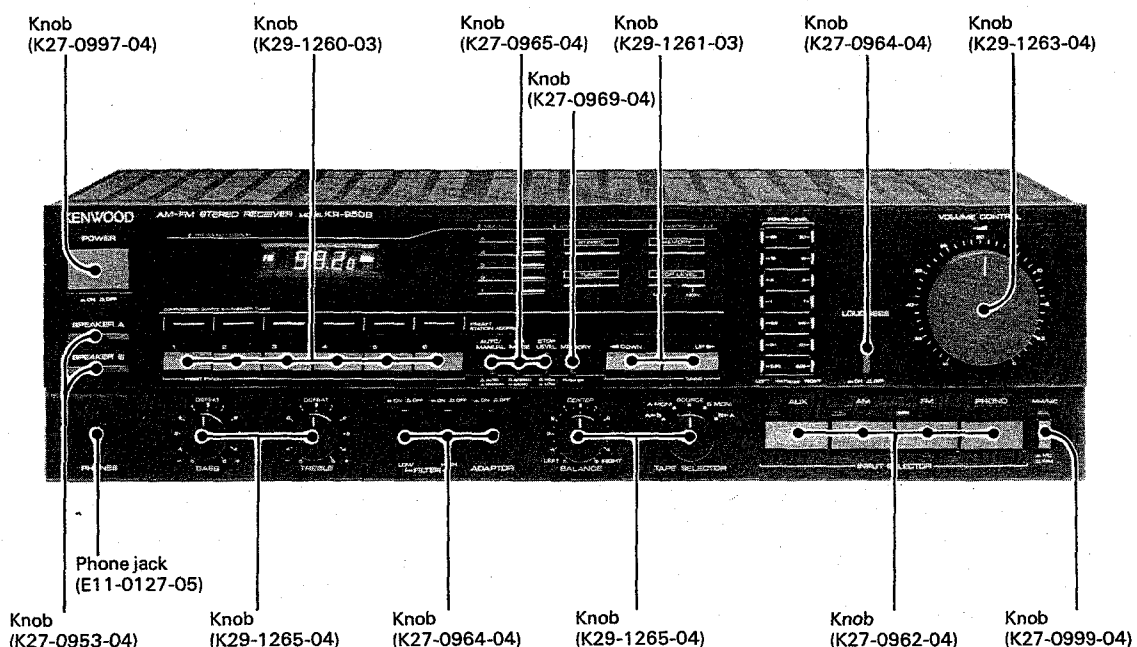
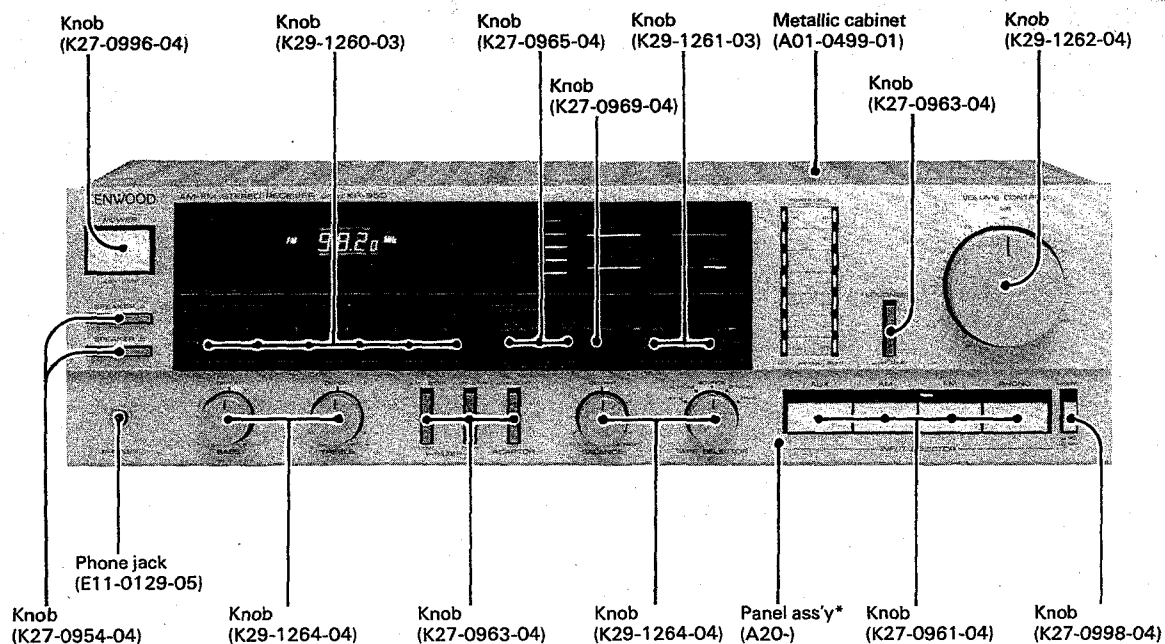


KENWOOD

KR-950 KR-950B

AM-FM STEREO RECEIVER

KENW-00459



Rear panel drawing is on the last page (P-20).
*Refer to parts list on page 12.

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION INPUT SELECTOR: FM MODE: STEREO							
1	DISCRIMINATOR (1)	(A) 100.1 MHz 1 kHz $\pm$ 75 kHz dev	(B)	MONO 100.1 MHz	Frequency fine-control of FM-SG	Adjust the frequency fine-control of FM SG so that the same amount of noise is observed at the top and bottom of the output waveform with a weak signal.	
2	DISCRIMINATOR (2)	(A) 100.1 MHz 1 kHz $\pm$ 75 kHz dev 60 dB (ANT input)	Connect a DC voltmeter between TP27 and 28.	MONO 100.1 MHz	L4	0V	(a)
3	DISCRIMINATOR (3)	(A) 100.1 MHz 1 kHz $\pm$ 75 kHz dev 60 dB (ANT input)	(B)	MONO 100.1 MHz	L5	Minimum distortion	
Repeat alignments 2 and 3 several times.							
4	VCO	(A) 100.1 MHz 0 dev 60 dB (ANT input)	Connect a resistor (330 k Ω) to TP29. Connect a frequency counter to the resistor via an AC voltmeter.	100.1 MHz	VR 1	76.00 kHz	(b)
VCO: Voltage Controlled Oscillator							
5	SEPARATION	(C) 100.1 MHz 1 kHz $\pm$ 68.25 kHz dev Selector: L or R Pilot: $\pm$ 6.75 kHz dev 60 dB (ANT input)	(B)	100.1 MHz	VR2	Minimum crosstalk. A compromise adjustment may be required if left-to-right and right-to-left separations are unequal.	
6	DISTORTION (STEREO)	(C) 100.1 MHz 1 kHz $\pm$ 68.25 kHz dev Selector: L or R Pilot: $\pm$ 6.75 kHz dev 60 dB (ANT input)	(B)	100.1 MHz	T1 (Front end)	Minimum distortion	
AM SECTION Keep the loop antenna installed. INPUT SELECTOR: AM							
(1)	BAND EDGE (1)	—	Connect a DC voltmeter to TP22	520 kHz (522 kHz)	L3	2.0V	(c)
(2)	BAND EDGE (2)	—	Connect a DC voltmeter to TP22	1610 kHz (1602 kHz)	TC2	21.0V	(c)
520 kHz, 1610 kHz: for 10 kHz step area 522 kHz, 1602 kHz: for 9 kHz area							
(3)	RF ALIGNMENT (1)	(D) 630 kHz 400 Hz, 30% mod	(B)	630 kHz	L1	Maximum amplitude and symmetry of the oscilloscope display.	
(4)	RF ALIGNMENT (2)	(D) 1440 kHz 400 Hz, 30% mod	(B)	1440 kHz	TC1	Maximum amplitude and symmetry of the oscilloscope display.	
Repeat alignments (3) and (4) several times.							
(5)	IF TRANSFORMER	(D) 990 kHz 400 Hz, 30% mod	(B)	990 kHz	L2	Maximum amplitude and symmetry of the oscilloscope display.	
AUDIO SECTION							
i	OFFSET	—	Connect a DC voltmeter between TP41 and GND (L), TP38 and GND (R). (X07-2070-10)	VOLUME: 0	VR3 (L) VR2 (R) (X08-2080-10)	0V	(d) (e)
ii	IDLE CURRENT	—	Connect a DC voltmeter between TP40 and 41 (L), TP38 and 39 (R). (X07-2070-10)	VOLUME: 0	VR5 (L) VR4 (R) (X08-2080-10)	10 ~ 15 mV	(f) (g)

REGLAGES

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU AMPLI-TUNER	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF SELECTEUR DES ENTRESS: FM MODE: STEREO							
1	DISCRIMINATEUR (1)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz dév	(B)	MONO 100,1 MHz	Réglage fin de fréquence de générateur FM.	Ajuster le réglage fin de fréquence de générateur FM SG de façon que la même quantité de bruit puisse être observée au sommet en bas de la forme d'onde de sortie sous des conditions d'alimentation de signal faible.	
2	DISCRIMINATEUR (2)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz dév 60 dB (Entrée ANT)	Connecter un voltmètre CC entre TP27 et 28.	MONO 100,1 MHz	L4	0V	(a)
3	DISCRIMINATEUR (3)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz dév 60 dB (Entrée ANT)	(B)	MONO 100,1 MHz	L5	Distorsion minimale	
Répéter les points 2 et 3 plusieurs fois.							
4	OSCILLATEUR CONTROLE PAR LA TENSION	(A) 100,1 MHz 0 dév 60 dB (Entrée ANT)	Relier une résistance de (330 k Ω) à TP29. Raccorder un fréquencesmètre à une résistance par l'intermédiaire d'un voltmètre CA.	100,1 MHz	VR1	76,00 kHz	(b)
5	SEPARATION	(C) 100,1 MHz 1 kHz $\pm$ 68,25 kHz dév Sélection: L ou R Signal pilote: $\pm$ 6,75 kHz dév 60 dB (Entrée ANT)	(B)	100,1 MHz	VR2	Diaphonie minimale. Un compromis de réglage peut être nécessaire si les séparations de gauche à droite et de droite à gauche sont inégales.	
6	DISTORSION (STEREO)	(C) 100,1 MHz 1 kHz $\pm$ 68,25 kHz dév Sélection: L ou R Signal pilote: $\pm$ 6,75 kHz dév 60 dB (Entrée ANT)	(B)	100,1 MHz	T1 (Tête H.F.)	Distorsion minimale	
SECTION MA Laisser l'antenne bouche MA installée. SELECTEUR: AM							
(1)	BORD DE BANDE (1)	—	Connecter un voltmètre CC à la tige 22.	520 kHz (522 kHz)	L3	2,0V	(c)
(2)	BORD DE BANDE (2)	—	Connecter un voltmètre CC à la tige 22.	1610 kHz (1602 kHz)	TC2	21,0V	(c)
520 kHz, 1610 kHz: pour zone de 10 kHz cran 522 kHz, 1602 kHz: pour zone de 9 kHz cran							
(3)	ALIGNEMENT H.T. (1)	(D) 630 kHz 400 Hz, 30% mod	(B)	630 kHz	L1	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(4)	ALIGNEMENT H.T. (2)	(D) 1440 kHz 400 Hz, 30% mod	(B)	1440 kHz	TC1	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
Répéter les points (3) et (4) plusieurs fois.							
(5)	TRANS-FORMATEUR F.I.	(D) 990 kHz 400 Hz, 30% mod	(B)	990 kHz	L2	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
SECTION AUDIO							
i	DECALAGE	—	Connecter un voltmètre CC entre la tige 41 et GND (G), la tige 38 et GND (D). (X07-2070-10)	VOLUME: 0	VR3 (G) VR2 (D) (X08-2080-10)	0V	(d) (e)
ii	COURANTE DE POLARISATION	—	Connecter un voltmètre CC entre la tige 40 et 41 (G), la tige 38 et 39 (D). (X07-2070-10)	VOLUME: 0	VR5 (G) VR4 (D) (X08-2080-10)	10 ~ 15 mV	(f) (g)

ABGLEICH

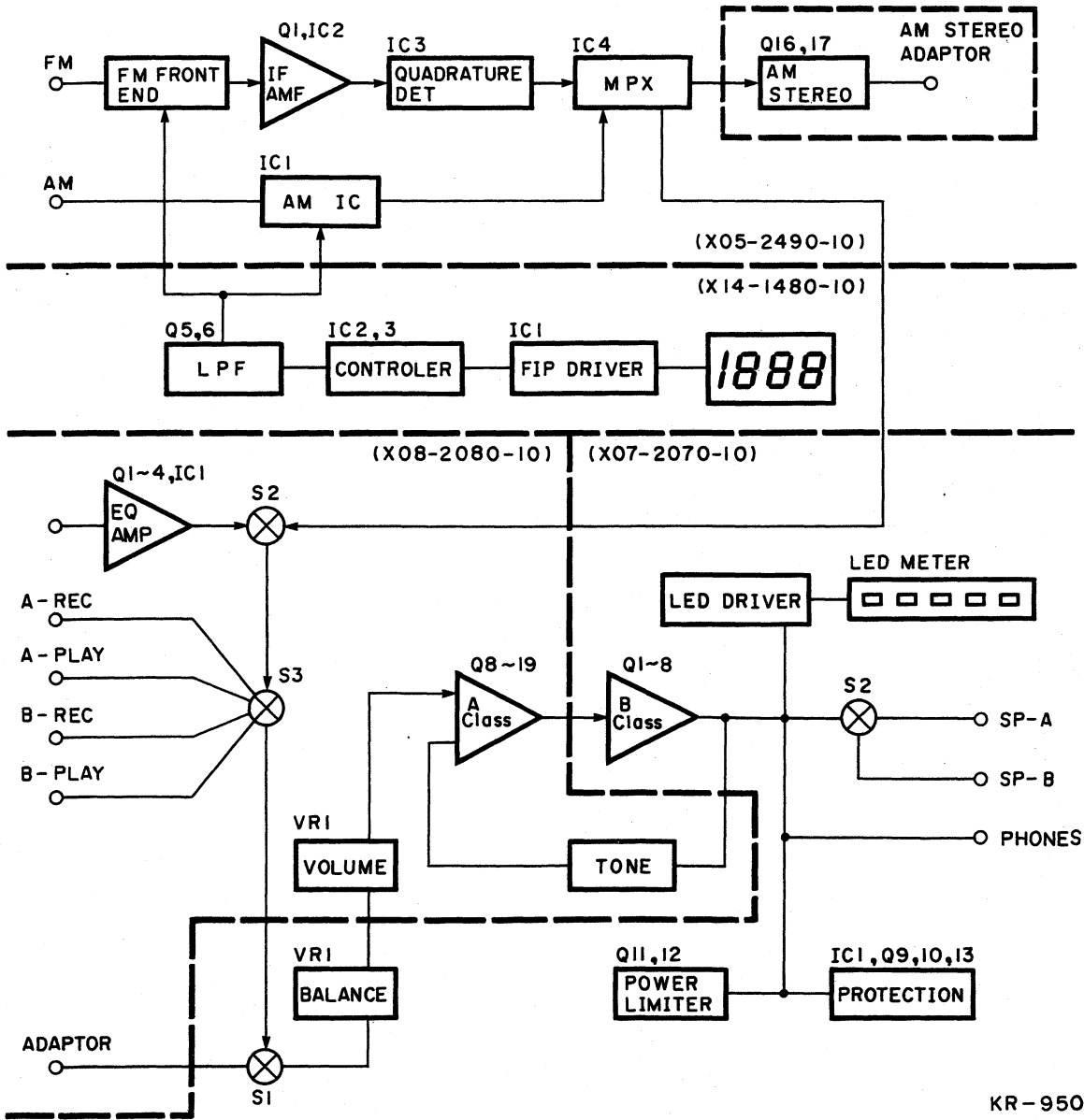
NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	RECEIVER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
UKW-EMPFANGSABTEILUNG EINGANGSUMSCHALTER: FM MODE: STEREO							
1	DISKRIMINATOR (1)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz Hub	(B) des FM-Signal- generators	MONO 100,1 MHz	Feinabstimmregler	Den Feinabstimmregler des FM-Signalgenerators so einstellen, daß an der oberen und unteren Grenze der Ausgangswellenform bei schwachem Signal dasselbe Geräusch auftritt.	
2	DISKRIMINATOR (2)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz Hub 60 dB (ANT-Eingang)	Einen Gleichspannungsmesser zwischen TP27 und 28 anschließen.	MONO 100,1 MHz	L4	0V	(a)
3	DISKRIMINATOR (3)	(A) 100,1 MHz 1 kHz $\pm$ 75 kHz Hub 60 dB (ANT-Eingang)	(B)	MONO 100,1 MHz	L5	Minimaler Klirrfaktor	
Abstimmungen 2 und 3 mehrere Male wiederholen.							
4	SPANNUNGS-GEREGELTER OSZILLATOR	(A) 100,1 MHz 0 Hub 60 dB (ANT-Eingang)	Einen Widerstand (330 k Ω) an den Prüfpunkt TP29 anschließen. Einen Frequenzzähler über einen Wechselspannungsmesser an den Widerstand anschließen.	100,1 MHz	VR1	76,00 kHz	(b)
5	STEREO KANAL TRENNUNG	(C) 100,1 MHz 1 kHz $\pm$ 68,25 kHz Hub Wähler: L oder R Pilotton: $\pm$ 6,75 kHz Hub 60 dB (ANT-Eingang)	(B)	100,1 MHz	VR2	Minimales Übersprechen. Eine Ausgleichregelung kann notwendig sein, falls links-zu-rechts und rechts-zu-links trennungen ungleich sind.	
6	KLIRRFAKTOR (STEREO)	(C) 100,1 MHz 1 kHz $\pm$ 68,25 kHz Hub Wähler: L oder R Pilotton: $\pm$ 6,75 kHz Hub 60 dB (ANT-Eingang)	(B)	100,1 MHz	T1 (Frontende)	Minimaler Klirrfaktor	
MW-EMPFANGSABTEILUNG Die MW-Rahmenantenne angebracht lassen. WÄHLER: AM							
(1)	BANDKANTE (1)	—	Einen Gleichspannungsmesser zur Stift 22 anschließen.	520 kHz (522 kHz)	L3	2,0V	(c)
(2)	BANDKANTE (2)	—	Einen Gleichspannungsmesser zur Stift 22 anschließen.	1610 kHz (1602 kHz)	TC2	21,0V	(c)
520 kHz, 1610 kHz: für der Zone vom 10 kHz-Kanal der Zone vom 10 kHz-Kanalabstand 522 kHz, 1602 kHz: für der Zone vom 9 kHz-Kanalabstand							
(3)	HF-ABGLEICH (1)	(D) 630 kHz 400 Hz, 30% mod	(B)	630 kHz	L1	Maximale Amplitude und Symmetrie des Oszilloskopbildes	
(4)	HF-ABGLEICH (2)	(D) 1440 kHz 400 Hz, 30% mod	(B)	1440 kHz	TC1	Maximale Amplitude und Symmetrie des Oszilloskopbildes	
Abstimmungen (3) und (4) mehrere Male wiederholen.							
(5)	ZF-ÜBERTRAGER	(D) 990 kHz 400 Hz, 30% mod	(B)	990 kHz	L2	Maximale Amplitude und Symmetrie des Oszilloskopbildes.	

ABGLEICH/BLOCK DIAGRAM

PC BOARD

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	RECEIVER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
AUDIO-ABTEILUNG							
i	BERSCHIEBUNG	-	Einen Gleichspannungsmesser zwischen den Stift 41 und GND (L), den Stift 38 und GND (R) anschließen. (X07-2070-10)	VOLUME: 0	VR3 (L) VR2 (R) (X08-2080-10)	0V	(d) (e)
ii	LEERLAUFSTROM	-	Einen Gleichspannungsmesser zwischen den Stift 40 und 41 (L), den Stift 38 und 39 (R) anschließen. (X07-2070-10)	VOLUME: 0	VR5 (L) VR4 (R) (X08-2080-10)	10 ~ 15 mV	(f) (g)

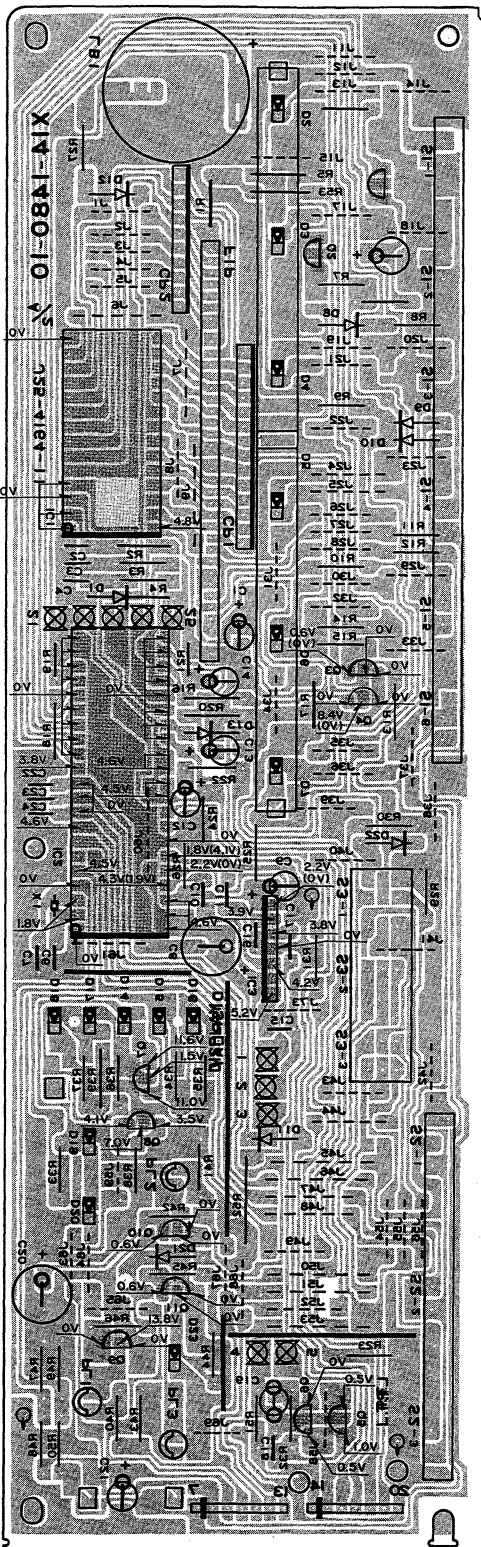
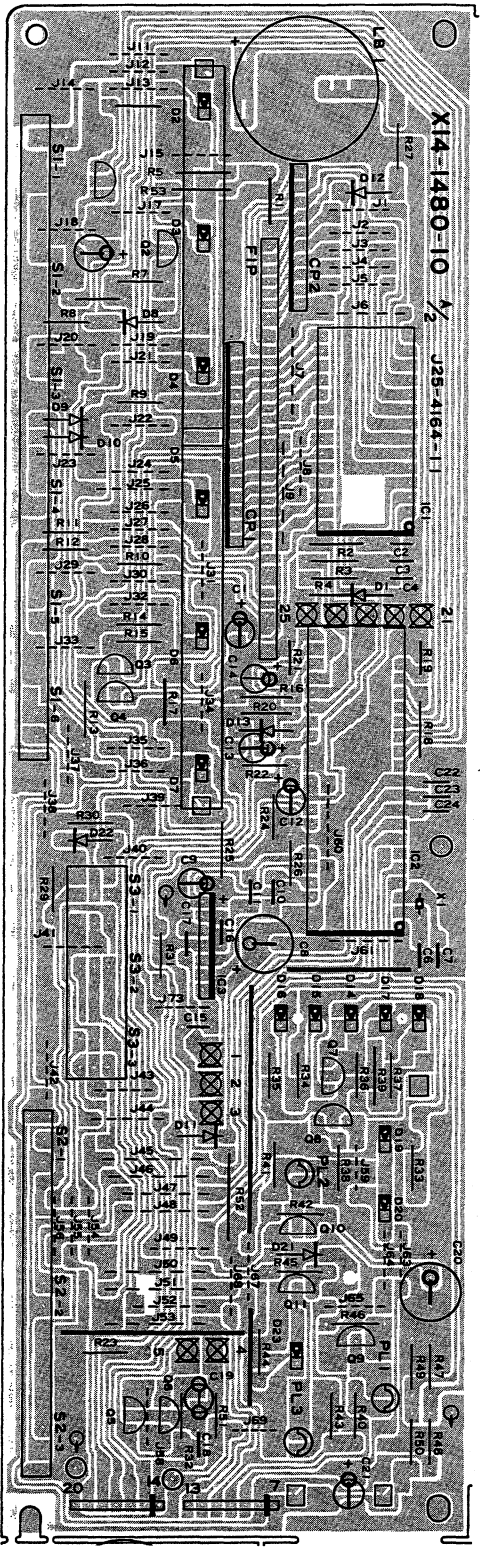
BLOCK DIAGRAM



SYNTHESIZER UNIT (X14-1480-10)

Component side view

Foil side view

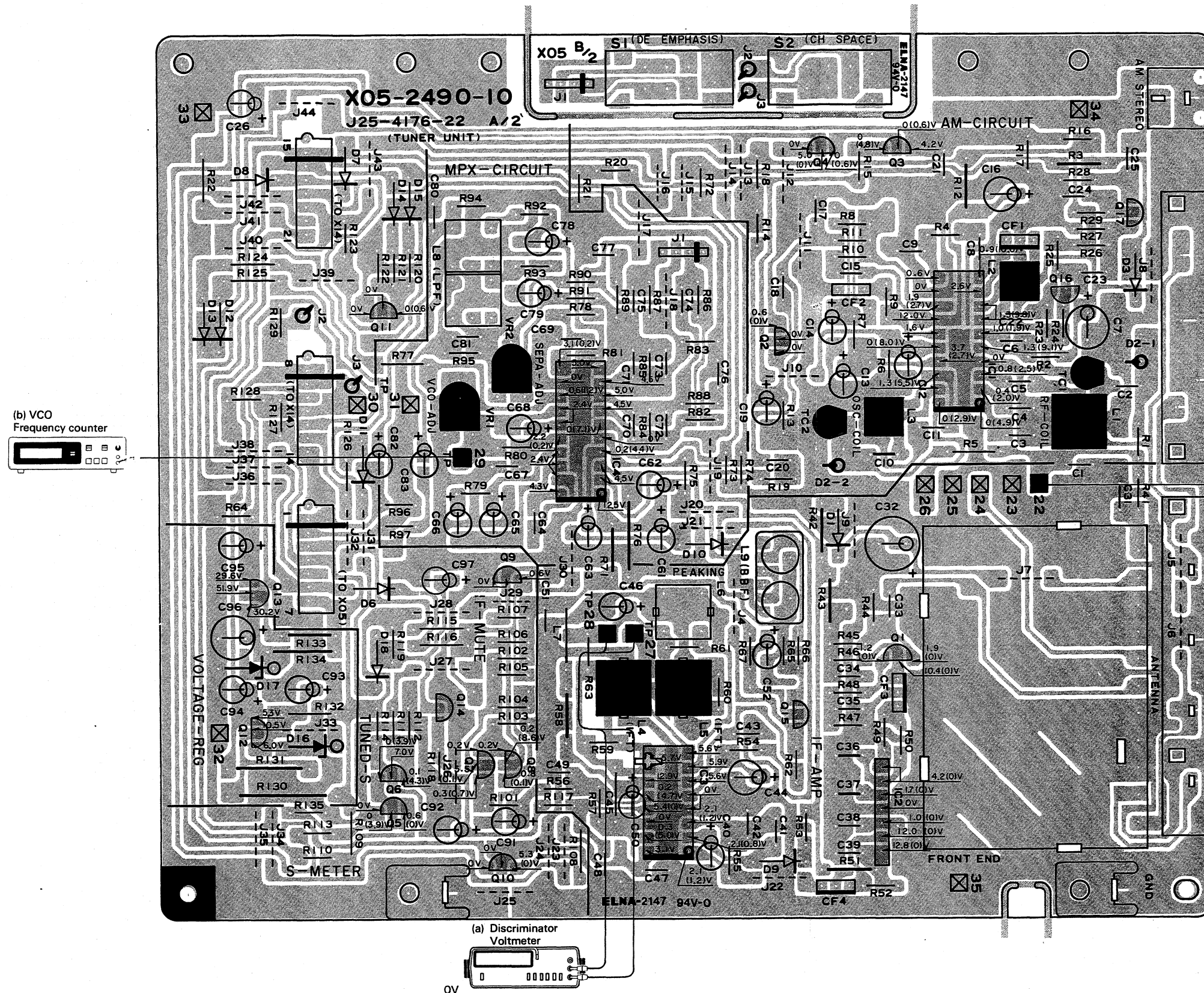
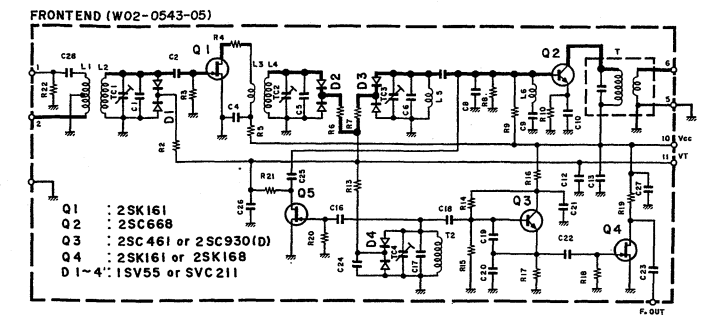


Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

KR-950/B KR-950/B

PC BOARD

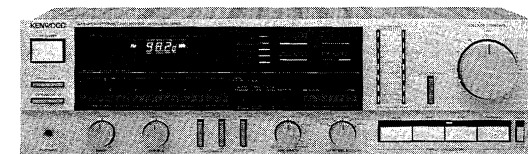
TUNER UNIT (X05-2490-10)
Component side view



Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

AM-FM STEREO RECEIVER

KR-950/B



SPECIFICATIONS

Signal-to-Noise Ratio at 65 dBf	
Mono	80 dB
Stereo	74 dB
Total Harmonic Distortion at 1 kHz	
Mono	0.07%
Stereo	0.08%
Frequency Response	
	30 Hz to 15 kHz
	+0.5 dB, -2.0 dB
Image Rejection Ratio	
	80 dB
Spurious Response Ratio	
	95 dB
IF Response Ratio	
	95 dB
Alternate Channel Selectivity	
	60 dB at ± 400 kHz
AM Suppression Ratio	
	60 dB
Stereo Separation	
	50 dB at 1 kHz
	40 dB at 50 Hz to 10 kHz
Antenna Impedance	
	300 ohms balanced and
	75 ohms unbalanced
FM Frequency Range	
	87.5 MHz to 108 MHz
AM Tuner Section	
Usable Sensitivity	
	10 μ V (400 μ V/m)
Signal-to-Noise Ratio	
	48 dB
Image Rejection Ratio	
	40 dB
Selectivity	
	25 dB
General	
Power Consumption	
	3.5A (UL and CSA)
	450W (IEC)
	450W (Others)
	65W (No Signal)
AC Outlet	
	Switched 2, Unswitched 1
Dimensions	
	W: 480 mm (18-29/32")
	H: 142 mm (5-19/32")
	D: 350 mm (13-25/32")
Weight (Net)	
	9.0 kg (19.8 lb)
(Gross)	
	10.2 kg (22.5 lb)

* Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier in U.S.A.

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

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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.

Audio Section

Power Output
80 watts* per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20 kHz with no more than 0.015% total harmonic distortion.

Both Channels Driven
Into 8 ohms at 1 kHz..... 85W + 85W

Dynamic Power Output
at 4 ohms..... 250W

Total Harmonic Distortion (20 Hz to 20 kHz from AUX)

Rated power into 8 ohms..... 0.015%

1 watt power into 8 ohms..... 0.01%

Intermodulation Distortion (60 Hz : 7 kHz = 4 : 1 SMPTE)

Rated power into 8 ohms..... 0.01%

Damping Factor..... 40 at 1 kHz, 8 ohms

Transist Response

Rise Time..... 2 μ s

Slew Rate..... ± 50 V/ μ s

Input Sensitivity/Impedance

PHONO (MM)..... 2.5 mV/50k ohms

PHONO (MC)..... 0.25 mV/100 ohms

TUNER, AUX, TAPE PLAY..... 150 mV/50k ohms

Signal to Noise Ratio (A weighted)

PHONO (MM)..... 86 dB for 2.5 mV input

PHONO (MM)..... 92 dB for 5.0 mV input

PHONO (MC)..... 68 dB for 0.25 mV input

TUNER, AUX, TAPE PLAY..... 104 dB for 150 mV input

PHONO Maximum Input Level

at 1 kHz MM..... 200 mV (RMS), THD 0.01%

at 1 kHz MC..... 30 mV (RMS), THD 0.1%

Frequency Response

PHONO RIAA Standard

Curve..... 20 Hz to 20 kHz

± 0.3 dB

DC Hz to 160 kHz

+0 dB, -3 dB

Over all [AUX $\rightarrow$ SPKR]

± 8 dB at 100 Hz

± 8 dB at 10 kHz

Filter

LOW..... 6 dB/oct at 18 Hz

HIGH..... 6 dB/oct at 5 kHz

Loudness Control

(VOL - 30 dB)..... +10 dB at 100 Hz

Output Level/Impedance

TAPE REC Out (Pin)..... 150 mV/1.0 kohms

FM Tuner Section

Usable Sensitivity..... 10.8 dBf (1.9 μ V)

50 dB Quieting Sensitivity

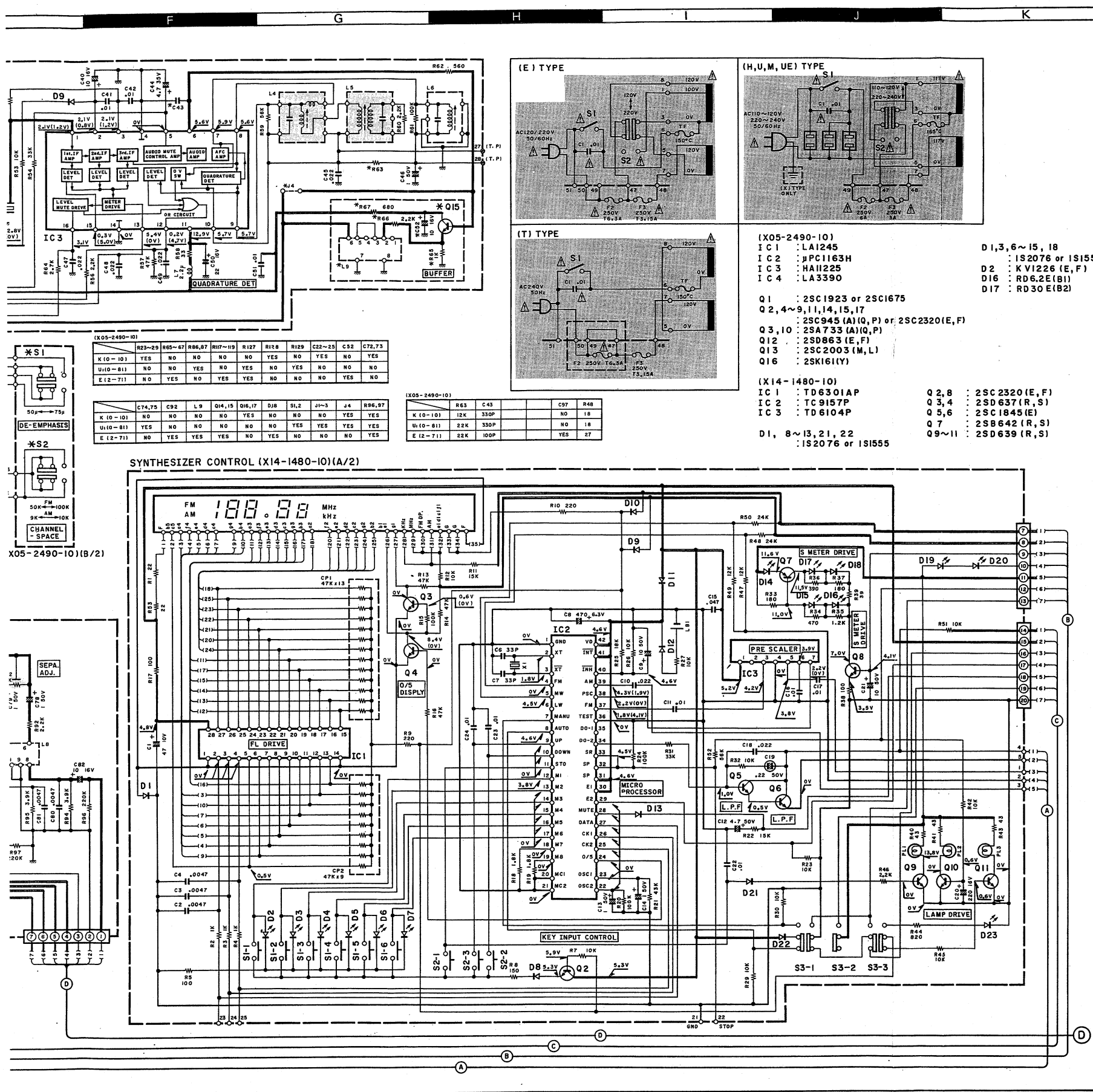
Mono..... 14.2 dBf (2.8 μ V)

Stereo..... 36.8 dBf (38 μ V)

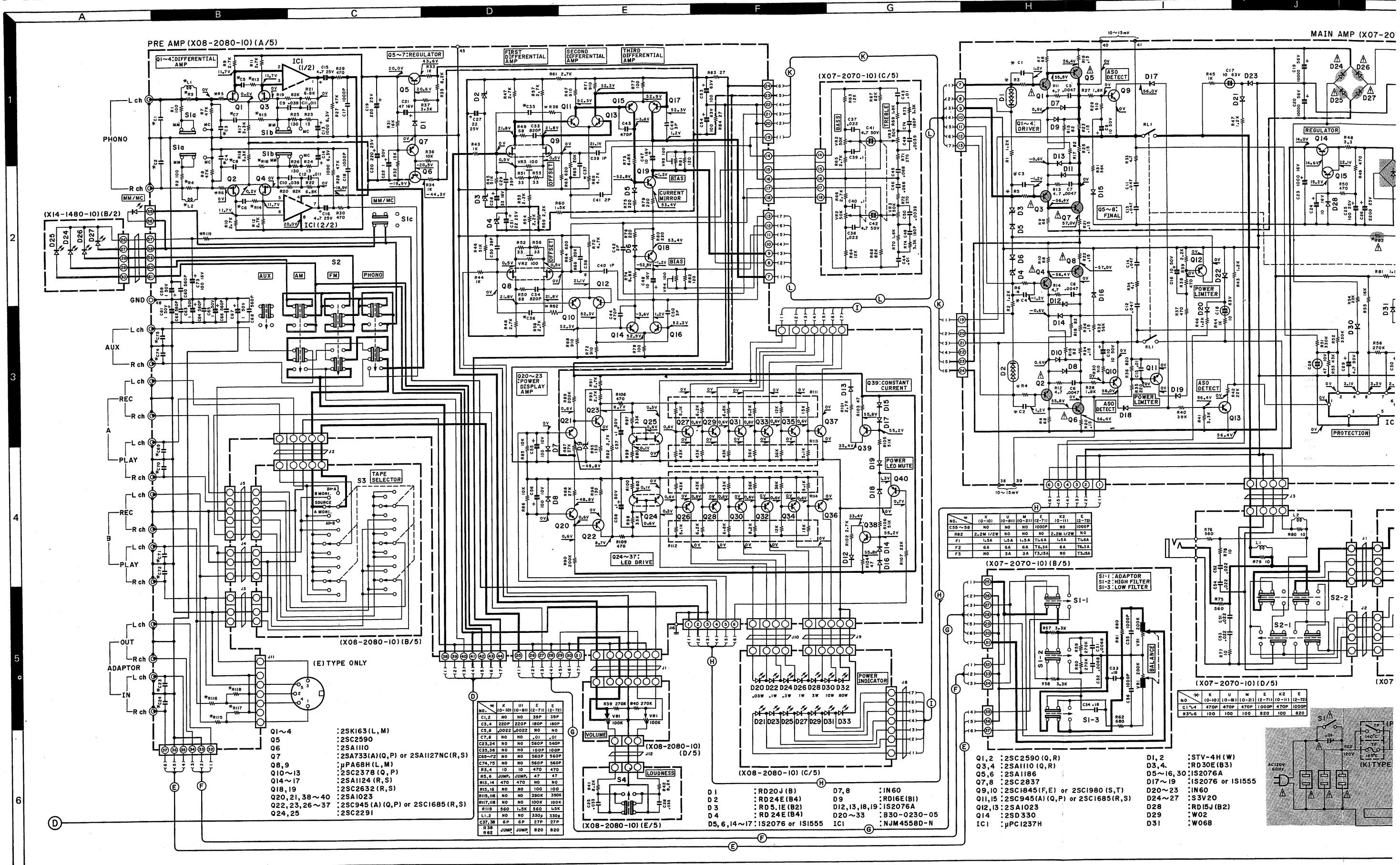
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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.

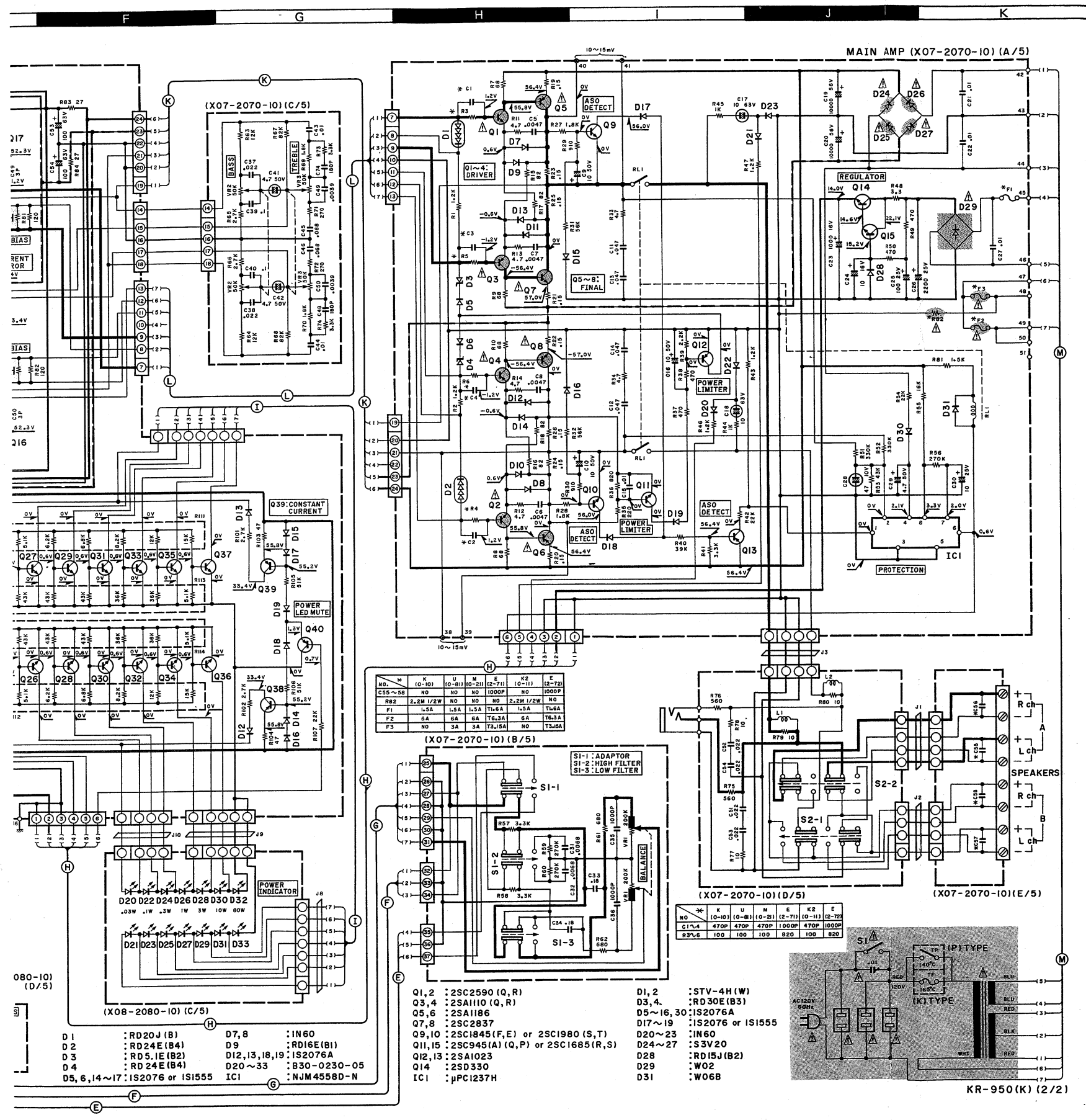
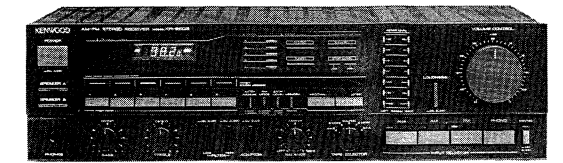


AM-FM STEREO RECEIVER



AM-FM STEREO RECEIVER

KR-950/B



2SA1023
 2SA1124
 2SA1127NC
 2SA733
 2SC1675
 2SC1685
 2SC1845
 2SC1923
 2SC1980
 2SC2003
 2SC2320
 2SC2378
 2SC2632
 2SC945
 2SD863

2SA1110
 2SC2590

2SD330

2SA1186
 2SC2837

2SB642
 2SD637
 2SD639

2SC2291

2SK163

μ PA68H

2SK161

NJM4558D-N

LA1245
 LA3390

TD6104P

μ PC1163H

HA11225

μ PC1237H

TD6301AP

TC9157P

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.

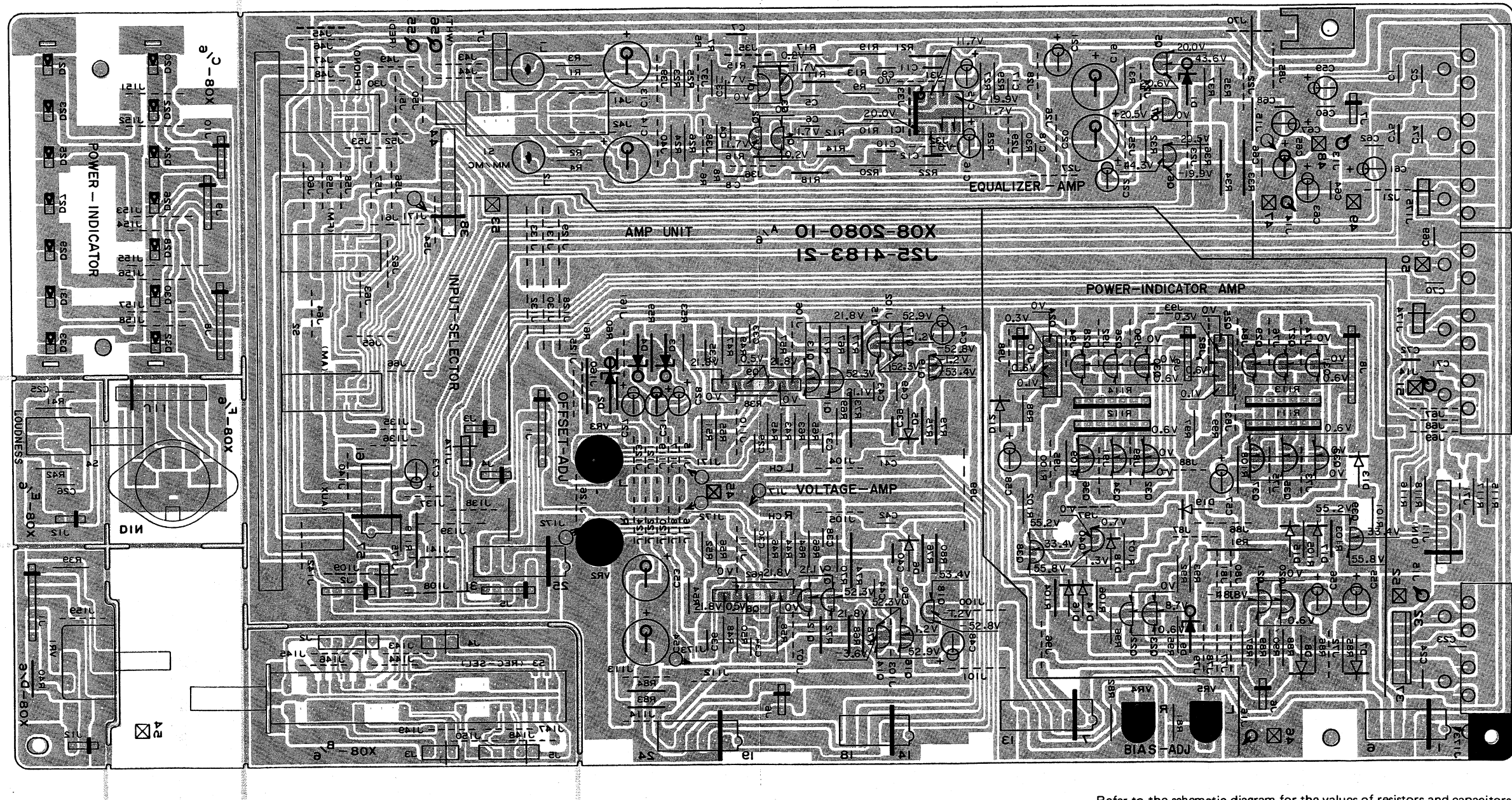
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

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.

KR-950/B KR-950/B

PC BOARD

PREAMP UNIT (X08-2080-10)
Foil side view

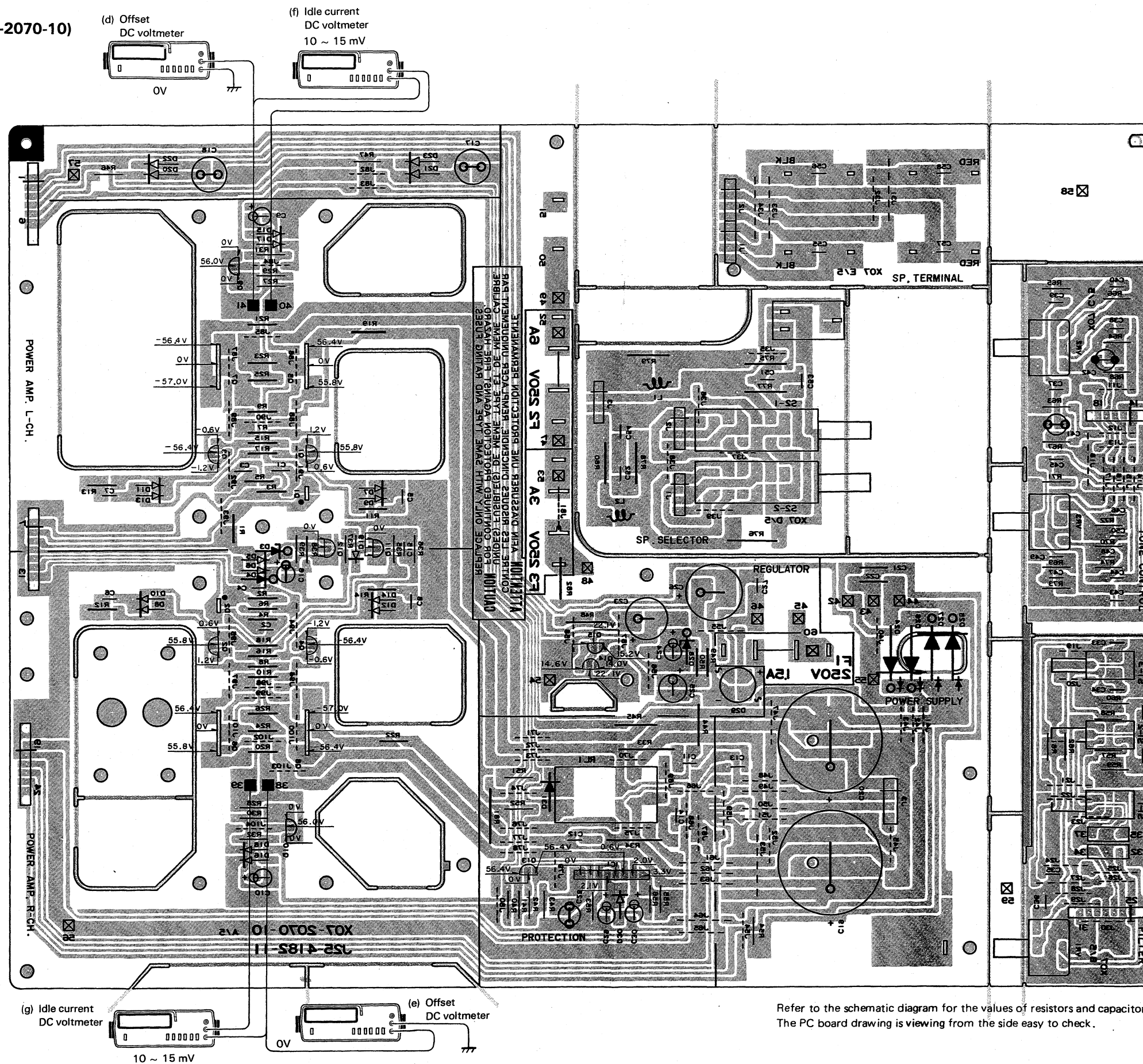


Refer to the schematic diagram for the values of resistors and capacitors.
The PC board drawing is viewing from the side easy to check.

KR-950/B KR-950/B

PC BOARD

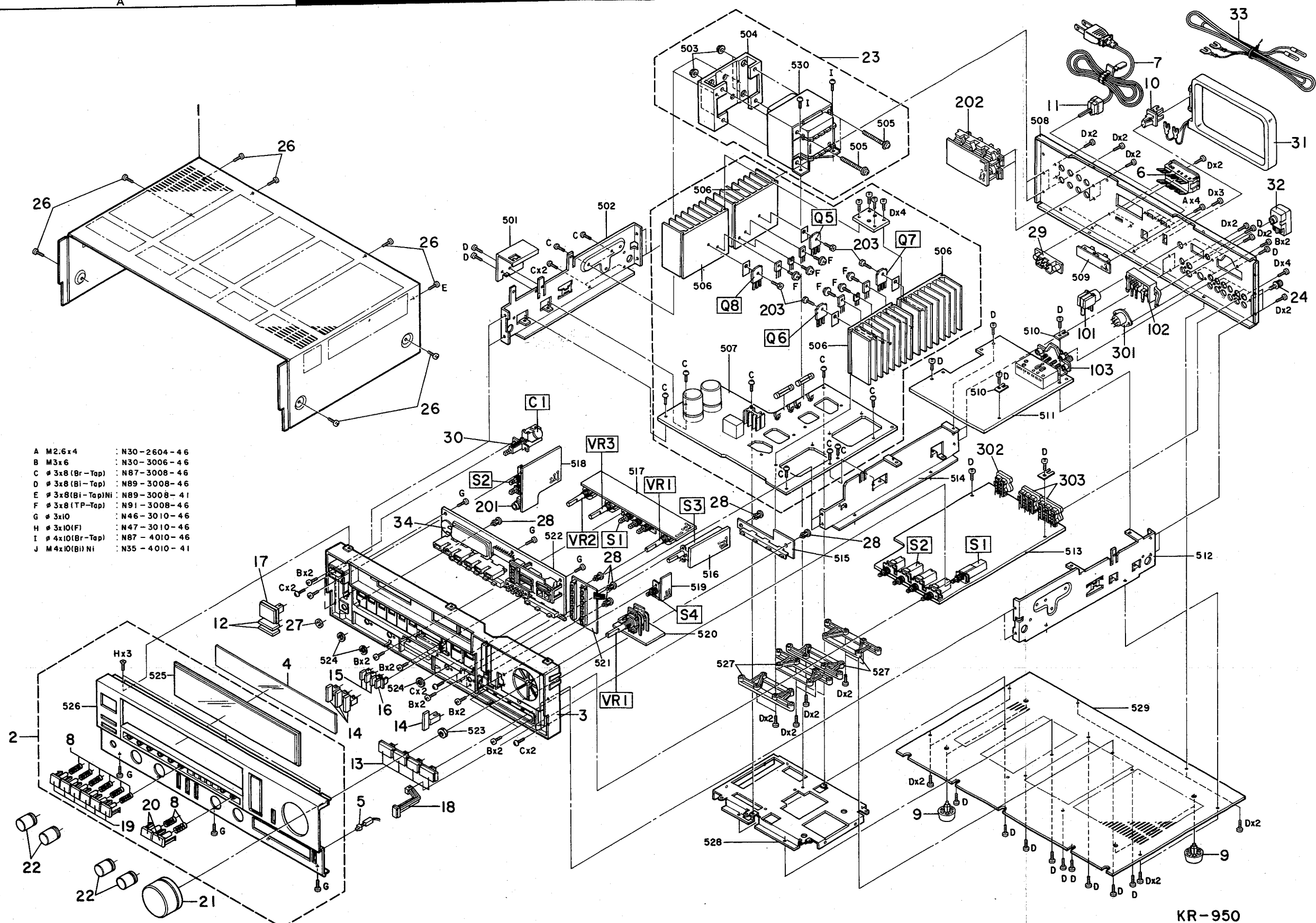
POWER AMP UNIT (X07-2070-10)
Foil side view



KR-950/B KR-950/B

EXPLODED VIEW

Exploded No. larger than 500 are not supplied.



KR-950/B KR-950/B

PARTS LIST

* 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.

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
参照番号	位置	新	部品番号	部品名/規格	仕向	備考
KR-950/950B						
1	1A	*	A01-0499-01	METALLIC CABINET	KPMXT	
1	1A	*	A01-0499-01	METALLIC CABINET	E	
1	1A	*	A01-0500-01	METALLIC CABINET	UHUEK	
1	1A	*	A01-0500-01	METALLIC CABINET	E	
2	3A	*	A20-3504-02	PANEL ASSY	KPMXE	
2	3A	*	A20-3505-02	PANEL ASSY	UHUEK	
2	3A	*	A20-3505-02	PANEL ASSY	E	
2	3A	*	A20-3506-02	PANEL ASSY	T	
3	3B	*	A22-0379-01	SUB PANEL		
4	3A	*	B20-0543-04	SCALE	UHUEK	
5	3B	*	B30-0230-05	LED (MM/MC)	E	
5	3B	*	B30-0230-05	LED (MM/MC)	KPMXT	
5	3B	*	B30-0231-05	LED (MM/MC)	E	
5	3B	*	B30-0231-05	LED (MM/MC)		
-	-	-	B46-0092-03	WARRANTY CARD	KK	
-	-	-	B46-0093-03	WARRANTY CARD	P	
-	-	-	B46-0094-03	WARRANTY CARD	UHUE	
-	-	-	B46-0095-03	WARRANTY CARD	UHUE	
-	-	-	B46-0096-03	WARRANTY CARD	X	
-	-	-	B46-0097-03	WARRANTY CARD	T	
-	-	-	B46-0098-03	WARRANTY CARD	EE	
-	-	-	B50-4708-00	INSTRUCTION MANUAL	KPUMH	
-	-	-	B50-4708-00	INSTRUCTION MANUAL	UEXK	
-	-	-	B50-4709-00	INSTRUCTION MANUAL	PMXEE	
-	-	-	B50-4710-00	INSTRUCTION MANUAL	M	
-	-	-	B50-4711-00	INSTRUCTION MANUAL	T	
-	-	-	B50-4712-00	INSTRUCTION MANUAL	EE	
-	-	-	B59-0092-00	SERVICE DIRECTORY	UHUE	
△ C1	2B	*	C91-0023-05	CERAMIC 0.01UF AC250V	UMHUE	
△ C1	2B	*	C91-0023-05	CERAMIC 0.01UF AC250V	X	
△ C1	2B	*	C91-0079-05	CERAMIC 0.01UF AC125V	KPTEK	
△ C1	2B	*	C91-0079-05	CERAMIC 0.01UF AC125V	E	
△ 6	1D	*	E03-0061-05	AC OUTLET	KPUMH	
△ 6	1D	*	E03-0061-05	AC OUTLET	UEXK	
△ 7	1D	*	E30-0181-05	AC POWER CORD	KK	
△ 7	1D	*	E30-0580-05	AC POWER CORD	EE	
△ 7	1D	*	E30-0587-15	AC POWER CORD	T	
△ 7	1D	*	E30-0649-05	AC POWER CORD	X	
△ 7	1D	*	E30-0780-05	AC POWER CORD	P	
△ 7	1D	*	E30-0812-05	AC POWER CORD	UMHUE	
8	3A	*	G01-1378-04	COMPRESSION SPRING		
-	-	*	H01-4754-04	ITEM CARTON CASE	KPMXE	
-	-	*	H01-4755-04	ITEM CARTON CASE	UHUEK	
-	-	*	H01-4755-04	ITEM CARTON CASE	E	
-	-	*	H01-4756-04	ITEM CARTON CASE	T	
-	-	*	H10-1661-02	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H10-1678-02	POLYSTYRENE FOAMED FIXTURE		
-	-	*	H20-0454-04	PROTECTION COVER		
-	-	*	H25-0078-04	PROTECTION BAG		
9	3C, 3D	*	J02-0103-05	FOOT		
10	1D	*	J19-0626-12	ANTENNA HOLDER		

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参照番号	位置	新	部品番号	部品名/規格	仕向	備考
△ 11	1D	*	J42-0083-05	POWER CORD BUSHING	KPUMH	
△ 11	1D	*	J42-0083-05	POWER CORD BUSHING	UEXK	
△ 11	1D	*	J42-0083-05	POWER CORD BUSHING	E	
△ 11	1D	*	J42-0085-05	POWER CORD BUSHING	X	
12	2A	*	K27-0953-04	KNØB (SPEAKER)	UHUEK	
12	2A	*	K27-0953-04	KNØB (SPEAKER)	E	
12	2A	*	K27-0954-04	KNØB (SPEAKER)	KPMXT	
12	2A	*	K27-0954-04	KNØB (SPEAKER)	E	
13	3B	*	K27-0961-04	KNØB (INPUT SELECTOR)	KPMXT	
13	3B	*	K27-0961-04	KNØB (INPUT SELECTOR)	E	
13	3B	*	K27-0962-04	KNØB (INPUT SELECTOR)	UHUEK	
13	3B	*	K27-0962-04	KNØB (INPUT SELECTOR)	E	
14	3B	*	K27-0963-04	KNØB (LOUDNESS)	KPMXT	
14	3B	*	K27-0963-04	KNØB (LOUDNESS)	E	
14	3B	*	K27-0964-04	KNØB (LOUDNESS)	UHUEK	
14	3B	*	K27-0964-04	KNØB (LOUDNESS)	E	
15	3B	*	K27-0965-04	KNØB		
16	3B	*	K27-0969-04	KNØB (MEMORY)		
17	2A	*	K27-0996-04	KNØB (POWER)	KPMXT	
17	2A	*	K27-0996-04	KNØB (POWER)	E	
17	2A	*	K27-0997-04	KNØB (POWER)	UHUEK	
17	2A	*	K27-0997-04	KNØB (POWER)	E	
18	3B	*	K27-0998-04	KNØB (MM/MC)	KPMXT	
18	3B	*	K27-0998-04	KNØB (MM/MC)	E	
18	3B	*	K27-0999-04	KNØB (MM/MC)	UHUEK	
18	3B	*	K27-0999-04	KNØB (MM/MC)	E	
19	3A	*	K29-1260-03	KNØB (PRESET)		
20	3A	*	K29-1261-03	KNØB (UP, DOWN)		
21	3A	*	K29-1262-04	KNØB (VOLUME)	KPMXT	
21	3A	*	K29-1262-04	KNØB (VOLUME)	E	
21	3A	*	K29-1263-04	KNØB (VOLUME)	UHUEK	
21	3A	*	K29-1263-04	KNØB (VOLUME)	E	
22	3A	*	K29-1264-04	KNØB (TONE)	KPMXT	
22	3A	*	K29-1264-04	KNØB (TONE)	E	
22	3A	*	K29-1265-04	KNØB (TONE)	UHUEK	
22	3A	*	K29-1265-04	KNØB (TONE)	E	
△ 23	1C	*	L01-3171-05	POWER TRANSFORMER	KK	
△ 23	1C	*	L01-3175-05	POWER TRANSFORMER	UMHUE	
△ 23	1C	*	L01-3175-05	POWER TRANSFORMER	X	
△ 23	1C	*	L01-3176-05	POWER TRANSFORMER	TEE	
△ 23	1C	*	L01-3177-05	POWER TRANSFORMER	P	
24	2D	*	N08-0128-35	GND TERMINAL		
26	1A, 1B	*	N09-0304-05	TAPTITE SCREW	UHUEK	
26	1A, 1B	*	N09-0304-05	TAPTITE SCREW	E	
26	1A, 1B	*	N09-0363-05	TAPTITE SCREW	KPMXT	
26	1A, 1B	*	N09-0363-05	TAPTITE SCREW	E	
27	2A	*	N14-0134-05	HEXAGON NUT		
28	2B, 2C	*	N29-0216-05	PUSH RIVET		
△ 29	1D	*	S31-2050-05	SLIDE SWITCH (VOLTAGE SELECTOR)	UMHUE	
△ 29	1D	*	S31-2050-05	SLIDE SWITCH (VOLTAGE SELECTOR)	EE	
△ 30	2B	*	S40-1073-05	PUSH SWITCH (POWER)		
31	1D	*	T90-0111-15	LOOP ANTENNA		
32	1D	*	T90-0122-05	ANTENNA ADAPTOR	TEE	

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33	1D	*	T90-0132-05	T TYPE ANTENNA		
34	2B	*	WD9-0024-05	BATTERY		
TUNER (X05-2490-10)						
C1			CK45FF1H223Z	CERAMIC 0.022UF Z		
C2			CK45FF1H103Z	CERAMIC 0.01UF Z		
C3			CK45FB1H102K	CERAMIC 0.001UF K		
C4 -6			CK45FF1H223Z	CERAMIC 0.022UF Z		
C8			CK45FF1H223Z	CERAMIC 0.022UF Z		
C9			CK45FB1H102K	CERAMIC 0.001UF K		
C10			CQ09FS1H431J	POLYSTY 430PF J		
C11			CK45FF1H103Z	CERAMIC 0.01UF Z		
C17			CQ93FM1H473K	MYLAR 0.047UF K		
C18			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CQ93FM1H103J	MYLAR 0.010UF J		
C21			CK45FF1H103Z	CERAMIC 0.01UF Z		
C22			CC45FSL1H100D	CERAMIC 10PF D	KPK	
C23 -25			CK45FF1H223Z	CERAMIC 0.022UF Z	KPK	
C31			CQ93FM1H223K	MYLAR 0.022UF K		
C33 -35			CK45FF1H103Z	CERAMIC 0.01UF Z		
C36 ,37			CK45F1H103Z	CERAMIC 0.01UF Z		
C38 ,39			CK45FF1H103Z	CERAMIC 0.01UF Z		
C41 ,42			CK45FF1H103Z	CERAMIC 0.01UF Z		
C43			CC45FSL1H101J	CERAMIC 100PF J	TEE	
C43			CC45FSL1H331J	CERAMIC 330PF J	KPUMH	
C43			CC45FSL1H331J	CERAMIC 330PF J	UEXK	
C45			C91-0085-05	CERAMIC 0.022UF N		
C47 -49			CK45FF1H223Z	CERAMIC 0.022UF Z		
C51			CK45FF1H103Z	CERAMIC 0.01UF Z		
C64			CQ93FM1H473K	MYLAR 0.047UF K		
C67			CQ09FS1H102J	POLYSTY 1000PF J		
C69			CC45FSL1H561J	CERAMIC 560PF J		
C70 ,71			CC45FSL1H471J	CERAMIC 470PF J	KPK	
C72 ,73			CC45FSL1H221J	CERAMIC 220PF J		
C74 ,75			CC45FSL1H221J	CERAMIC 220PF J	UMHUE	
C74 ,75			CC45FSL1H221J	CERAMIC 220PF J	X	
C76 ,77			CK45FF1H103Z	CERAMIC 0.01UF Z		
C80 ,81			CQ93FM1H472J	MYLAR 4700PF J		
TC1 ,2			C05-0303-05	CERAMIC TRIMMER CAPACITOR		
101	2D	*	E13-0119-05	PHONE JACK	KPK	
102	2D	*	E20-0318-05	TERMINAL BOARD (ANTENNA)	TEE	
103	2D		E20-0439-05	TERMINAL BOARD (ANTENNA)	KPUMH	
103	2D		E20-0439-05	TERMINAL BOARD (ANTENNA)	UEXK	
CF1			L72-0099-05	CERAMIC FILTER		
CF2			L72-0096-05	CERAMIC FILTER		
CF3			L72-0190-05	CERAMIC FILTER	TEE	
CF3 ,4			L72-0120-05	CERAMIC FILTER	KPUMH	
CF3 ,4			L72-0120-05	CERAMIC FILTER	UEXK	
CF4			L72-0195-05	CERAMIC FILTER	TEE	
L1			L31-0487-05	MW-RF COIL		
L2			L30-0362-05	AM IFT		
L3			L32-0258-05	MW OSCILLATING COIL		
L4			L30-0327-15	FM IFT		
L5			L30-0328-05	FM IFT		

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L6 L7 L8 L9			L39-0089-05 L40-2292-14 L79-0154-05 L79-0125-05	PEAKING COIL SMALL FIXED INDUCTOR LC FILTER LC FILTER	TEE	
R3 R12 R42 R43 R51			RD14GB2E331J RD14GB2E101J RD14GB2E101J RD14GB2E331J RD14GB2E101J	FL-PROOF RD 330 J 2E FL-PROOF RD 100 J 2E FL-PROOF RD 100 J 2E FL-PROOF RD 330 J 2E FL-PROOF RD 100 J 2E		
R58 R71 R76 R130 R131			RD14GB2E330J RD14GB2E390J RC05GF2H106M RS14GB3D330J RS14GB3A181J	FL-PROOF RD 33 J 2E FL-PROOF RD 39 J 2E RC 10M M 2H FL-PROOF RS 33 J 3D FL-PROOF RS 180 J 3A		
R133 R134 VR1 VR2			RD14GB2E102J RD14GB2H222J R12-3312-05 R12-4306-05	FL-PROOF RD 1K J 2E FL-PROOF RD 2.2K J 2H TRIMMING POT. (VCO) TRIMMING POT. (SEPARATION)		
S1 ,2 S1 ,2			S31-2072-05 S31-2072-05	SLIDE SWITCH SLIDE SWITCH	UMHUE X	
D1 D1 D2 D3 D3			1S1555 1S2076 KV1226(EF) 1S1555 1S2076	DIODE DIODE VARIABLE CAPACITANCE DIODE DIODE DIODE		
D6 -15 D6 -15 D16 D17 D18			1S1555 1S2076 RD6. 2E(B1) RD30E(B2) 1S1555	DIODE DIODE ZENER DIODE ZENER DIODE DIODE	TEE TEE	
D18 IC1 IC2 IC3 IC4			1S2076 LA1245 UPC1163H HA11225 LA3390	DIODE IC IC IC IC		
Q1 Q1 Q2 Q2 Q3			2SC1675 2SC1923 2SC2320(E,F) 2SC945(A)(Q,P) 2SA733(A)(Q,P)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q4 -9 Q4 -9 Q10 Q11 Q11			2SC2320(E,F) 2SC945(A)(Q,P) 2SA733(A)(Q,P) 2SC2320(E,F) 2SC945(A)(Q,P)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q12 Q13 Q14 ,15 Q14 ,15 Q16			2SD863(E,F) 2SC2003(M,L) 2SC2320(E,F) 2SC945(A)(Q,P) 2SK161(Y)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR FET	TEE TEE KPK KPK	
Q17 Q17			2SC2320(E,F) 2SC945(A)(Q,P)	TRANSISTOR TRANSISTOR	KPK KPK	
-		*	W02-0542-05	FM FRONT-END ASSY	KPUMH	

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-		*	W02-0542-05	FM FRONT-END ASSY	UEXK	
-		*	W02-0543-05	FM FRONT-END ASSY	TEE	
POWER AMP (X07-2070-10)						
C1 -4			CK45FB1H102K	CERAMIC 0.001UF K	TEE	
C1 -4			CK45FB1H471K	CERAMIC 470PF K	KPUMH	
C1 -4			CK45FB1H471K	CERAMIC 470PF K	UEXK	
C5 -8			CQ93FM1H472J	MYLAR 4700PF J		
C11 -14			CQ93FM1H473J	MYLAR 0.047UF J		
C15			CQ93FM1H103J	MYLAR 0.010UF J		
C17 ,18		*	CE04HW1J100M	NP-ELEC 10UF 63WV		
C19 ,20			C90-0492-05	ELECTRON 10000UF 56WV		
C21 ,22			CK45E2H103P	CERAMIC 0.01UF P		
C27			CK45FF1H103Z	CERAMIC 0.01UF Z		
C28			CE04HW1A470M	NP-ELEC 47UF 10WV		
C31 ,32			CQ93FM1H682J	MYLAR 6800PF J		
C33 ,34		*	CQ93FM1H184J	MYLAR 0.18UF J		
C35 ,36			CK45FB1H102K	CERAMIC 0.001UF K		
C37 ,38			CQ93FM1H223J	MYLAR 0.022UF J		
C39 ,40			CQ93FM1H104J	MYLAR 0.10UF J		
C41 ,42		*	CE04HW1H477M	NP-ELEC 4.7UF 50WV		
C43 ,44			CQ93FM1H103J	MYLAR 0.010UF J		
C45 ,46			CQ93FM1H683J	MYLAR 0.068UF J		
C47 ,48			CC45FSL1H181J	CERAMIC 180PF J		
C49 ,50			CQ93FM1H392J	MYLAR 3900PF J		
C51 -54			CQ93FM1H223J	MYLAR 0.022UF J		
C55 -58			CK45FB1H102K	CERAMIC 0.001UF K	TEE	
201	2B	*	E11-0127-05	PHONE JACK	UHUEK	
201	2B	*	E11-0127-05	PHONE JACK	E	
201	2B	*	E11-0129-05	PHONE JACK	KPMXT	
201	2B	*	E11-0129-05	PHONE JACK	EE	
202	1C		E20-0816-05	TERMINAL BOARD (SPEAKER)		
△ F1			F05-1521-05	FUSE (1.5A)	UMHUE	
△ F1			F05-1521-05	FUSE (1.5A)	X	
△ F1			F05-1623-05	FUSE (SEMKN) (T1.6A)	TEE	
△ F1			F06-1521-05	FUSE (UL) (1.5A)	KPK	
△ F2			F05-6021-05	FUSE (6A)	UMHUE	
△ F2			F05-6021-05	FUSE (6A)	X	
△ F2			F05-6027-05	FUSE (UL) (6A)	KPK	
△ F2			F05-6321-05	FUSE (SEMKN) (T6.3A)	TEE	
△ F3			F05-3022-05	FUSE (3A)	UMHUE	
△ F3			F05-3022-05	FUSE (3A)	X	
△ F3			F05-3121-05	FUSE (SEMKN) (T3.15A)	TEE	
-			J13-0055-05	FUSE CLIP		
L1 ,2			L39-0085-05	PHASE-COMPENSATION COIL		
203	1C,2C		N09-0321-05	TAPPING SCREW		
R1 ,2			RD14GB2E122J	FL-PROOF RD 1.2K J 2E		
R3 -6			RD14GB2E101J	FL-PROOF RD 100 J 2E	KPUMH	
R3 -6			RD14GB2E101J	FL-PROOF RD 100 J 2E	UEXK	
R3 -6			RD14GB2E821J	FL-PROOF RD 820 J 2E	TEE	
R7 -10			RD14GB2E680J	FL-PROOF RD 68 J 2E		
R11 -14			RD14GB2E4R7J	FL-PROOF RD 4.7 J 2E		

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R15 -18 R19 -26 R33 ,34 R44 ,45 R48			RD14GB2E820J R92-0242-05 RS14GB3D4R7J RS14GB3A102J RS14GB3A3R3J	FL-PROOF RD 82 J 2E METAL-PLATE 0.15 K 3D FL-PROOF RS 4.7 J 3D FL-PROOF RS 1K J 3A FL-PROOF RS 3.3 J 3A		
R49 ,50 R75 ,76 R77 -80 R81 R82			RD14GB2E471J RS14GB3A561J RS14GB3A100J RS14GB3D152J R92-0173-05	FL-PROOF RD 470 J 2E FL-PROOF RS 560 J 3A FL-PROOF RS 10 J 3A FL-PROOF RS 1.5K J 3D RC 2.2M M 2H	KPK	
VR1 VR2 VR3		*	RD6-5111-05 RD6-4055-05 RD6-4056-05	VARIABLE RESISTOR (BALANCE) VARIABLE RESISTOR (BASS) VARIABLE RESISTOR (TREBLE)		
RL1 S1 S2		* * *	S51-2060-05 S42-3072-05 S42-2094-05	MAGNETIC RELAY MULTIPLE PUSH SWITCH (FILTER) MULTIPLE PUSH SWITCH (SPEAKER)		
D1 ,2 D3 ,4 D5 -16 D17 -19 D17 -19		*	STV-4H(W) RD30E(B3) 1S2076A 1S1555 1S2076	VARISTOR ZENER DIODE DIODE DIODE DIODE		
D20 -23			1N60	DIODE		
△ D24 -27			53V20	DIODE		
D28			RD15J(B2)	ZENER DIODE		
△ D29			WD2	DIODE		
D30			1S2076A	DIODE		
D31 IC1			WD6B UPC1237H	DIODE IC		
△ Q1 ,2 △ Q3 ,4 △ Q5 ,6			2SC2590(D,R) 2SA1110(D,R) 2SA1186	TRANSISTOR TRANSISTOR TRANSISTOR		
△ Q7 ,8 Q9 ,10 Q9 ,10 Q11 Q11			2SC2837 2SC1845(F,E) 2SC1980(S,T) 2SC1685(R,S) 2SC945(A)(Q,P)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q12 ,13 Q14 Q15 Q15			2SA1023 2SD330 2SC1685(R,S) 2SC945(A)(Q,P)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
PREAMP (X08-2080-10)						
D20 -33			B30-0230-05	LED		
C1 ,2 C3 ,4 C3 ,4 C3 ,4 C5 ,6			CC45FSL1H390J CC45FSL1H181J CC45FSL1H221J CC45FSL1H221J CQ93FM1H222J	CERAMIC 39PF J CERAMIC 180PF J CERAMIC 220PF J CERAMIC 220PF J MYLAR 2200PF J	TEE TEE KPUMH UEXK KPUMH	
C5 ,6 C7 ,8 C9 C10 C11 ,12		*	CQ93FM1H222J CQ93FM1H103J CQ93FM1H393J CQ93FM1H393J CQ93FM1H113J	MYLAR 2200PF J MYLAR 0.010UF J MYLAR 0.039UF J MYLAR 0.039UF J MYLAR 0.011UF J	UEXK TEE	
C15 ,16			CED4GW1E4R7M	LL-ELEC 4.7UF 25WV		

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C17 ,18 C23 ,24 C25 ,26 C29 ,30 C33 ,34			CK45FB1H102K CK45FB1H561K CQ93FM1H333J CC45FSL1H390J CK45FB1H821K	CERAMIC 0.001UF K CERAMIC 560PF K MYLAR 0.033UF J CERAMIC 39PF J CERAMIC 820PF K	TEE	
C35 ,36 C37 ,38 C37 ,38 C37 ,38 C39 ,40			CC45FSL1H101J CC45FSL1H060D CC45FSL1H060D CC45FSL1H270J CC45FSL1H010C	CERAMIC 100PF J CERAMIC 6.0PF D CERAMIC 6.0PF D CERAMIC 27PF J CERAMIC 1.0PF C	TEE KPMH UEXK TEE	
C41 ,42 C43 ,44 C49 ,50 C60 C62			CC45FSL1H020C CK45FB1H471K CC45FSL1H030C CK45FB1H561K CK45FB1H561K	CERAMIC 2.0PF C CERAMIC 470PF K CERAMIC 3.0PF C CERAMIC 560PF K CERAMIC 560PF K		
C64 C66 C68 C69 -71 C72			CK45FB1H561K CK45FB1H561K CK45FB1H561K CK45FB1H561K CK45FB1H561K	CERAMIC 560PF K CERAMIC 560PF K CERAMIC 560PF K CERAMIC 560PF K CERAMIC 560PF K	TEE TEE	
C74 C75			CK45FB1H561K CK45FB1H561K	CERAMIC 560PF K CERAMIC 560PF K	TEE TEE	
301 302 303	2D 2C 2D	*	E06-0510-05 E13-0497-05 E13-0621-05	REC/PLAY JACK PHONE JACK PHONE JACK	TEE	
L1 ,2			L40-3311-43	SMALL FIXED INDUCTOR	TEE	
R33 ,34 R59 R60 R61 R67 ,68			RS14GB2E331J RD14GB2E222J RS14GB3A152J RS14GB3A272J RD14GB2E911J	FL-PROOF RS 330 J 2E FL-PROOF RD 2.2K J 2E FL-PROOF RS 1.5K J 3A FL-PROOF RS 2.7K J 3A FL-PROOF RD 910 J 2E		
R71 ,72 R73 ,74 R75 ,76 R77 ,78 R79 ,80			RD14GB2E911J RS14GB3A682J RD14GB2E221J RD14GB2E101J RD14GB2E221J	FL-PROOF RD 910 J 2E FL-PROOF RS 6.8K J 3A FL-PROOF RD 220 J 2E FL-PROOF RD 100 J 2E FL-PROOF RD 220 J 2E		
R83 ,84 R91 R103,104 R111,112 R113,114			RD14GB2E270J RS14GB3A272J RD14GB2E470J R90-0242-05 R90-0243-05	FL-PROOF RD 27 J 2E FL-PROOF RS 2.7K J 3A FL-PROOF RD 47 J 2E MULTI-COMP MULTI-COMP		
R119 R119 VR1 VR2 ,3 VR4 ,5		*	RS14GB3A561J RS14GB3A561J R06-5112-05 R12-0502-05 R12-0088-05	FL-PROOF RS 560 J 3A FL-PROOF RS 560 J 3A VARIABLE RESISTOR (MAIN VR) TRIMMING PQT. (OFFSET) TRIMMING PQT. (BIAS)	KPMXT E	
S1 S2 S3 S4		*	S40-6019-05 S42-4032-05 S29-6007-05 S40-2185-05	PUSH SWITCH (MM/MC) MULTIPLE PUSH SW. (INPUT SEL) ROTARY SLIDE SWITCH(REC SEL) PUSH SWITCH (LOUDNESS)		
D1 D2 D3		*	RD20J(B) RD24E(B4) RD5.1E(B2)	ZENER DIODE ZENER DIODE ZENER DIODE		

E: Scandinavia & Europe

H: Audio Club (KR-950B)

S: South Africa

X: Australia

E: Scandinavia & Europe (KR-950B)

K: USA

T: England

M: Other Areas

K: USA (KR-950B)

U: PX (Far East, Hawaii)

(KR-950B)

△ indicates safety critical components.

P: Canada

UE: AAFES (Europe) (KR-950B)

PARTS LIST

* 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.

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
D4 D5 .6 D5 .6 D7 .8 D9			RD24E(B4) 1S1555 1S2076 1N60 RD16E(B1)	ZENER DIODE DIODE DIODE DIODE ZENER DIODE		
D12 .13 D14 -17 D14 -17 D18 .19 IC1			1S2076A 1S1555 1S2076 1S2076A NJM4558D-N	DIODE DIODE DIODE DIODE IC		
Q1 -4 Q5 Q6 Q7 Q7			2SK163(L,M) 2SC2590 2SA1110 2SA1127NC(R,S) 2SA733(A)(Q,P)	FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q8 .9 Q10 -13 Q14 -17 Q18 .19 Q20 .21			UPA68H(L,M) 2SC2378(Q,P) 2SA1124(R,S) 2SC2632(R,S) 2SA1023	DUAL FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q22 .23 Q24 .25 Q26 -37 Q38 -40			2SC945(A)(Q,P) 2SC2291 2SC945(A)(Q,P) 2SA1023	TRANSISTOR DUAL TRANSISTOR TRANSISTOR TRANSISTOR		
SYNTHESIZER (X14-1480-10)						
D2 -7 D14 -18 D19 .20 D23 D24 -27		*	B30-0491-05 B30-0492-05 B30-0491-05 B30-0491-05 B30-0230-05	LED LED LED LED LED	UHUEK	
D24 -27 D24 -27 D24 -27 PL1 -3		*	B30-0230-05 B30-0231-05 B30-0231-05 B30-0490-05	LED LED LED LAMP	E KPMXT E	
C2 -4 C6 .7 C10 C11 C15			CK45B1H472K CC45FCH1H330J CK45FF1H223Z CK45FF1H103Z CK45FF1H473Z	CERAMIC 0.0047UF K CERAMIC 33PF J CERAMIC 0.022UF Z CERAMIC 0.01UF Z CERAMIC 0.047UF Z		
C16 .17 C18 C19 C22 -24		*	CK45FF1H103Z CK45FF1H223Z CED4HW1HR22M CK45FF1H103Z	CERAMIC 0.01UF Z CERAMIC 0.022UF Z NP-ELEC 0.22UF 50WV CERAMIC 0.01UF Z		
X1			L77-0578-05	CRYSTAL RESONATOR		
CP1 CP2 R17			R90-0192-05 R90-0193-05 RD14GB2E101J	MULTI-COMP 47KX13 J 2B MULTI-COMP 47KX9 J 2B FL-PROOF RD 100 J 2E		
S1 S2 S3		*	S42-6015-05 S42-3069-05 S42-3068-05	MULTIPLE PUSH SW. (PRESET) MULTI. PUSH SW. (UP, DOWN, MEMORY) MULTIPLE PUSH SW.		
D1 D1 D8 -13			1S1555 1S2076 1S1555	DIODE DIODE DIODE		

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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
D8 -13			1S2076	DIODE		
D21 ,22			1S1555	DIODE		
D21 ,22			1S2076	DIODE		
FL1			FIP7B8CS	FLUORESCENT INDICATOR TUBE		
IC1			TD6301AP	IC		
IC2		*	TC9157P	IC		
IC3			TD6104P	IC		
Q2			2SC2320(E,F)	TRANSISTOR		
Q3 ,4		*	2SD637(R,S)	TRANSISTOR		
Q5 ,6			2SC1845(E)	TRANSISTOR		
Q7		*	2SB642(R,S)	TRANSISTOR		
Q8			2SC2320(E,F)	TRANSISTOR		
Q9 -11		*	2SD639(R,S)	TRANSISTOR		

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K: USA (KR-950B)

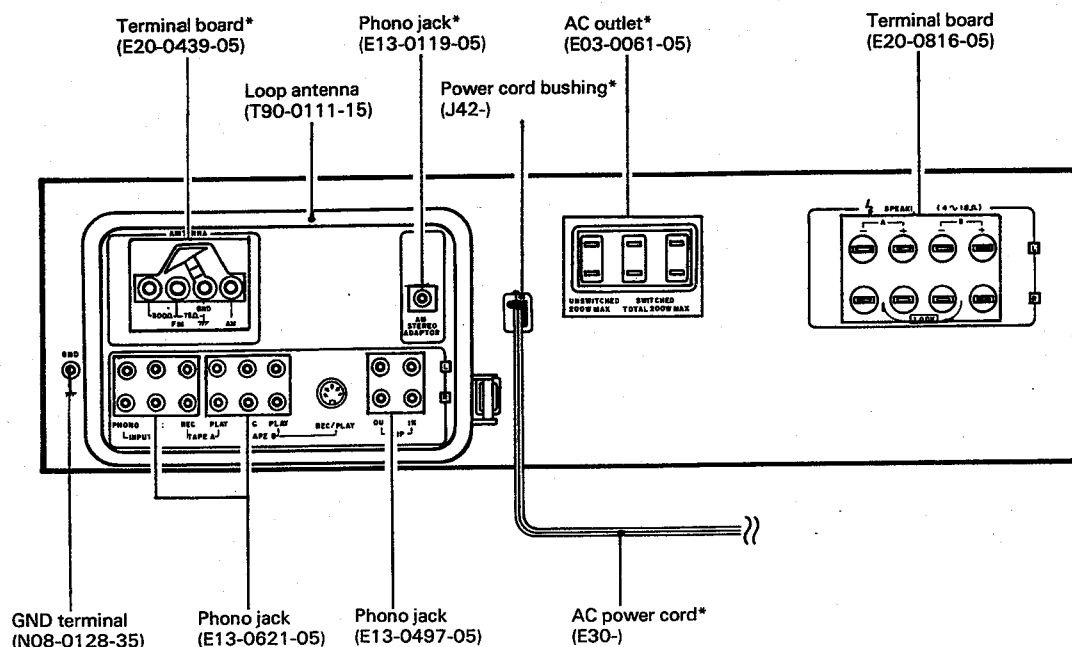
U: PX (Far East, Hawaii)

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Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S. (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.

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