

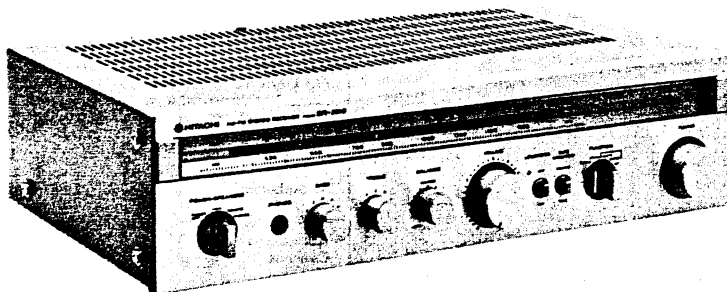


SR-2010

SERVICE MANUAL

English
Deutsch
Français

No. 184



SPECIFICATIONS

Specifications and designs may be changed without notice for improvement.

FM SECTION

Frequency range	88 — 108 MHz	() is indicated IHF '58
Usable sensitivity	Mono: 10.8 dBf (1.9 μ V)	Stereo: 20 dBf (5.5 μ V)
50 dB quieting sensitivity	Mono: 17 dBf (3.9 μ V)	Stereo: 37 dBf (39 μ V)
Signal-to-noise ratio (at 65 dBf)	Mono: 74 dB	Stereo: 68 dB
Harmonic distortion (at 65 dBf)		
100 Hz	Mono: 0.2%	Stereo: 0.3%
1 kHz	Mono: 0.15%	Stereo: 0.3%
10 kHz	Mono: 0.25%	Stereo: 0.3%
Frequency response	30 Hz — 12 kHz (± 2 dB)	
Image response ratio	98 MHz : 50 dB	
Spurious response ratio	80 dB	
IF response ratio	80 dB	
Alternate channel selectivity	55 dB	
Capture ratio	1 dB	
AM suppression	55 dB	
Stereo separation	40 dB (1 kHz)	
Subcarrier suppression	40 dB	
SCA rejection	60 dB	
Muting threshold	20 dBf (5.5 μ V)	
Antenna input	300 ohms balanced, 75 ohms unbalanced	

Power bandwidth

10 Hz — 40 kHz (1/2 RMS power, T.H.D. 0.3% at 8 ohms)
15 Hz — 30 kHz (± 2 dB)

Frequency characteristics

Harmonic distortion (at rated output)
(at 1/2 rated output)
Less than 0.3%
Less than 0.05%

Intermodulation distortion

(at rated output)
(at 1/2 rated output)
0.3%
0.05%

Input sensitivity

(at 15 W output, 1 kHz)
PHONO
TAPE
3 mV (50 k ohms)
150 mV (30 k ohms)
130 mV (T.H.D. 0.3% at 1 kHz)

Max. input level (PHONO)

Output level

TAPE OUT
150 mV (PHONO at rated input)
150 mV (FM 400 Hz, 30% dev. input: 1 mV)
150 mV (AM 400 Hz, 30% mod. input: 5 mV/m)

Signal-to-noise ratio

(IHF, A network, rated power)

PHONO
TAPE
75 dB
92 dB

Damping factor

25 (1 kHz, 8 ohms)

Equalizer

RIAA ± 0.5 dB

Bass control

± 10 dB (100 Hz)

Treble control

± 8 dB (10 kHz)

Loudness control

± 9 dB (100 Hz)

FM Muting

Provided

Tape monitor

1

Signal indicators

5 LEDs

Speaker switch

MAIN, REMOTE

AC outlet

1 (50 W unswitched) (for U.S.A., Canada and some other countries)

Power requirements

AC 120 V 60 Hz, ~ 220 V 50/60 Hz,
 ~ 240 V 50/60 Hz or
 ~ 120 V/220 V/240 V 50/60 Hz

Power consumption

80W (at 1/3 rated output), 125 W (at rated output)

Dimensions

435 (W) x 110 (H) x 278 (D) mm

Weight

17-1/8 (W) x 4-5/16 (H) x 10-15/16 (D) in.
4.9 kg (10.8 lbs.)

AM SECTION

Frequency range	530 — 1,605 kHz
Sensitivity	20 μ V (IHF, ext. Antenna)
Image rejection	45 dB
IF rejection	35 dB
Selectivity	34 dB
Signal-to-noise ratio	40 dB
Antenna	Ferrite antenna and separate terminal

AUDIO SECTION

Output

RMS Power

(Both channels driven)

15 Watts per channel, min. RMS, at 8 ohms from 20 Hz to 20 kHz, with no more than 0.3% total harmonic distortion.

18W + 18W (8 ohms, 1 kHz, T.H.D. 0.3%)

20W + 20W (4 ohms, 1 kHz, T.H.D. 0.3%)

FEATURES

1. LED Signal Strength Meter
2. Integrated Power Output Stage
3. High-quality FM tuner
4. Always stable FM MPX circuit
5. Equalizer circuit with high-performance IC
6. Connection facilities for two speaker systems

STEREO RECEIVER

July 1979

CIRCUIT DIAGRAM · SCHALTPLAN · PLAN DE CIRCUIT

PRODUCT SAFETY NOTE: Components marked with a have special characteristics important to safety.

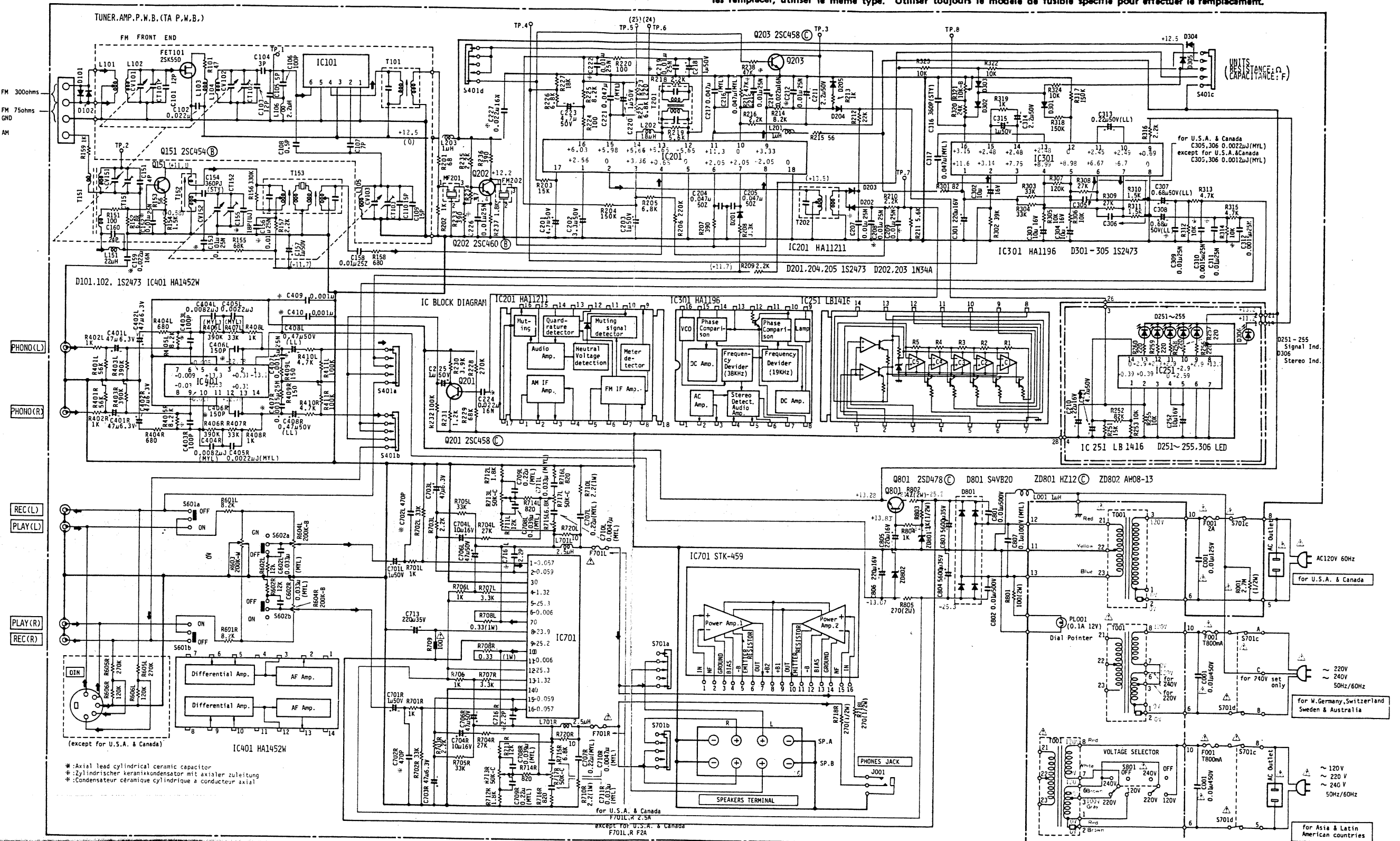
SICHERHEITSHINWEIS: Die mit gekennzeichneten Komponenten haben wichtige Sicherheitsaufgaben.

NOTICE DE SECURITE DE FABRICATION: Les composants qui sont accompagnés du symbole Δ possèdent des caractéristiques spéciales.

CAUTION: Fuse resistors are used to improve safety (to protect the circuit). When replacing them with new ones, be sure to use the designated type. Always use the designated fuse without fail.

ZUR BEACHTUNG: Schmelzwiderstände sind zur Erhöhung der Sicherheit vor gesehen (zum Schutz der Schaltung). Bei Austausch bitte nur die vorgeschriebene Type benutzen. Vergewissern Sie sich, daß die richtige Type gewählt ist.

ATTENTION: Les résistances à fusible sont faites pour améliorer la sécurité de l'appareil (protection de circuit). Pour les remplacer, utiliser le même type. Utiliser toujours le modèle de fusible spécifié pour effectuer le remplacement.



S401a-d FUNCTION SW.

S601a-b TAPE MONITORSW.

S602a-d LOUDNESS SW.

S701a-d SPEAKERS SW. & POWER SW.

R603 BALANCE CONTROL

R604,R VOLUME CONTROL

27121 B. BASS CONTROL

R717L,R TREBLE CONTROL

DC voltage: FM (MUTE ON) position, no signal (): AM position
Gleichspannung: FM MODE (MUTE ON) Position, Kein Signal (): AM Position
Tension CC: Position FM MODE (MUTE ON), non-signal (): Position AM

The circuit diagram is subject to change for improvement without notice.

Änderungen des Schaltplans im Sinne ständiger Verbesserung vorbehalten.

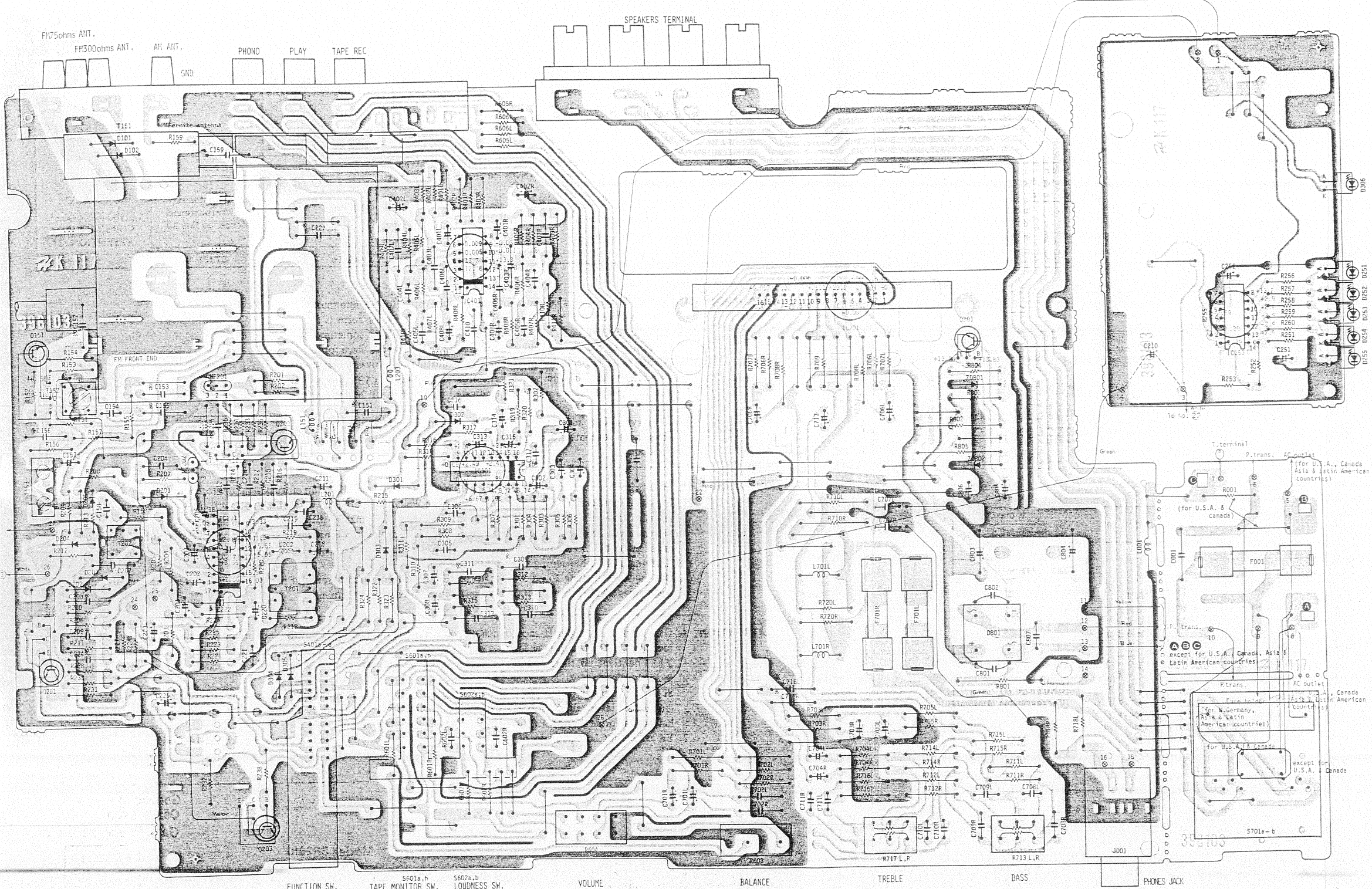
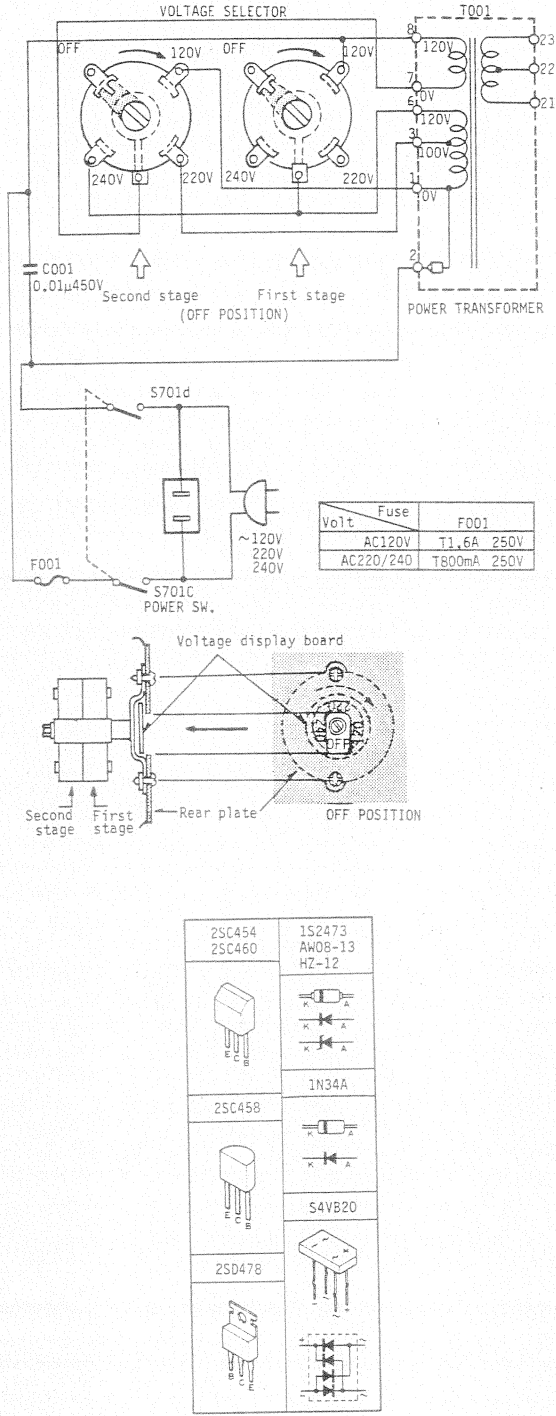
Le schéma de montage est sujet à modification sans préavis, pour des raisons d'amélioration.

PRINTED WIRING BOARD · PRINTPLATTEN · PLAN DE BASE

[: +B, : -B, : Earth, : Other]

The circuit symbol () means a fuse resistor. When replacing it with new one, refer to the CAUTION on page 8.
Das Schaltsymbol () steht für Schmelzwiderstand. Beim Austausch bitte Seite 8 ZUR BEACHTUNG nachlesen.
Le symbole de circuit () signifie qu'il s'agit d'une résistance à fusible. Consulter les instructions "ATTENTION" de la page 8 pour effectuer son remplacement.

PRIMARY CIRCUIT DIAGRAM
(FOR ASIA & LATIN AMERICAN COUNTRIES)



- *: Axial lead cylindrical ceramic capacitor
- *: Zylindrischer Keramik Kondensator mit axialer Zuleitung
- *: Condensateur céramique cylindrique à conducteur axial

The terminal No. shows the stamp on the printed wiring board. This number matches the number in the circuit diagram.

Die Anschlussklemmen sind auf der gedruckten Schaltung numeriert. Die Nummern stimmen mit den Nummern im Schaltplan überein.

Le N° de borne correspond à l'indication de la plaquette à circuit imprimé. Ce numéro correspond au numéro du schéma de montage.