



# HITACHI

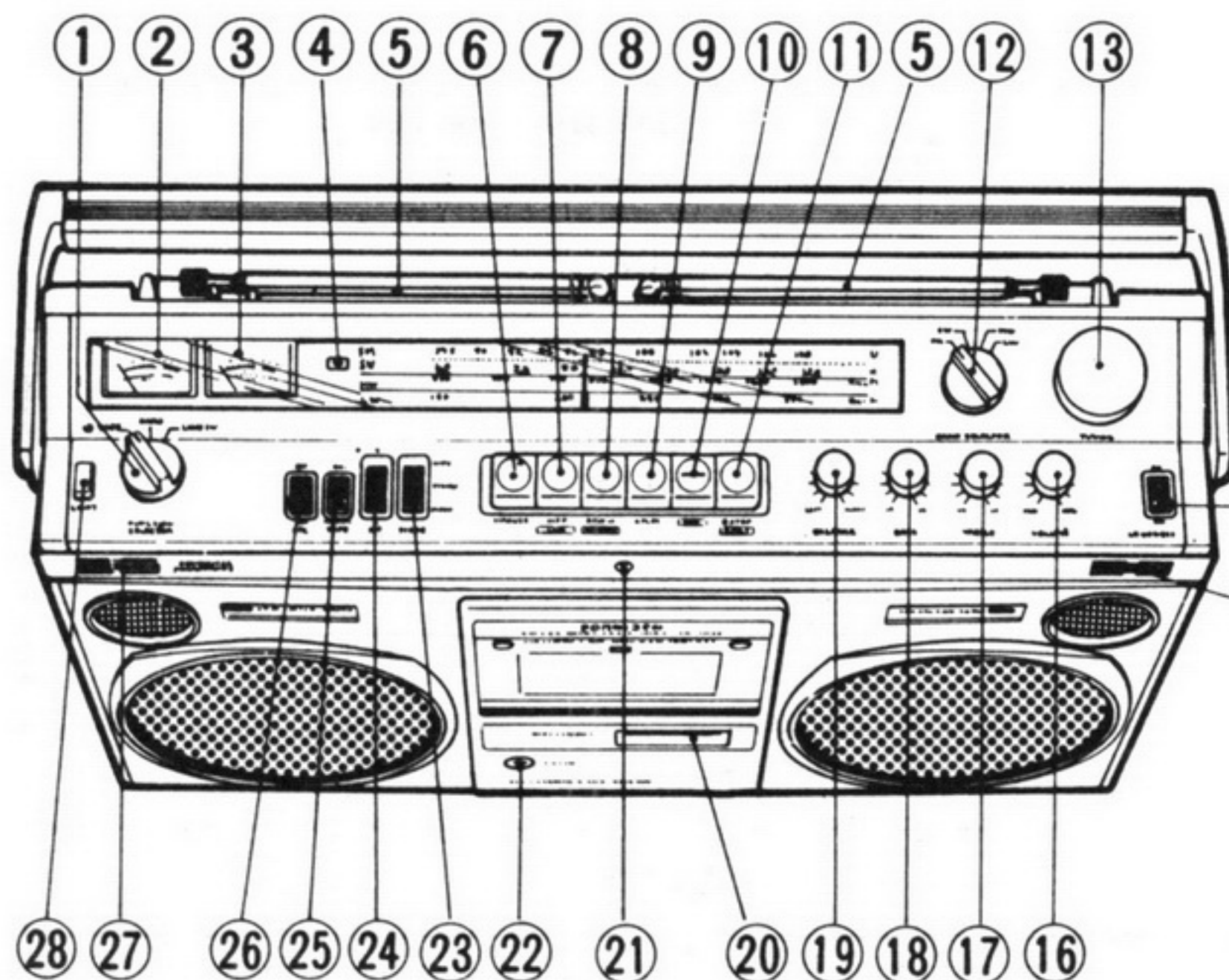
# TRK-8080E, E(BS)

## SERVICE MANUAL

English  
Deutsch  
Français

No. 1032

### KEY TO ILLUSTRATIONS



- |                               |                               |  |
|-------------------------------|-------------------------------|--|
| ① FUNCTION SELECTOR           | ⑩ RECORD BUTTON               | ①⑥ VOLUME CONTROL                                  |
| ② LEVEL (L)/BATTERY METER     | ⑪ STOP/EJECT BUTTON           | ①⑦ TREBLE CONTROL                                  |
| ③ LEVEL (R)/TUNING METER      | ⑫ BAND SELECTOR               | ①⑧ BASS CONTROL                                    |
| ④ FM STEREO INDICATOR         | ⑬ TUNING CONTROL              | ①⑨ BALANCE CONTROL                                 |
| ⑤ TELESCOPIC ANTENNA (AERIAL) | ⑭ LOUDNESS SWITCH             | ②① TAPE COUNTER                                    |
| ⑥ PAUSE BUTTON                | ⑮ BUILT-IN MICROPHONE (RIGHT) | ②② OPERATION INDICATOR                             |
| ⑦ FAST FORWARD/CUE BUTTON     |                               | ②③ HEADPHONE SOCKET                                |
| ⑧ REWIND/REVIEW BUTTON        |                               | ②④ MODE SWITCH                                     |
| ⑨ PLAYBACK BUTTON             |                               | ②⑤ RIF SWITCH                                      |
|                               |                               | ②⑥ TAPE SELECTOR SWITCH (CrO <sub>2</sub> -NORMAL) |
|                               |                               | ②⑦ AFC SWITCH                                      |
|                               |                               | ②⑧ BUILT-IN MICROPHONE (LEFT)                      |
|                               |                               | ②⑨ DIAL LIGHT BUTTON                               |

### SPECIFICATIONS

#### GENERAL SECTION

Semi-conductors :

IC's : 7

Transistors : 11

Diodes : 21

Vari-cap : 1

Zener diode : 1

LED : 1

Power (Mains) Supply :

240V AC, 50 Hz For E (BS)

220V AC, 50 Hz For E

DC : 12V (IEC R20×8 or equivalent)

16W

Power (Mains) Consumption :

27.2(H)×48.9(W)×13.1(D)cm

Dimensions :

Weight :

6.7kg (with Batteries)

Output :

4W/CH

Speaker :

16cm 4 ohms×2, 5cm 8 ohms×2

#### TUNER SECTION

Circuit System :

FM/SW/MW/LW 4-band superheterodyne

Tuning Range :

FM : 87.5 to 108 MHz

SW : 6.0 to 18 MHz

MW : 530 to 1605 kHz

LW : 150 to 350 kHz

Sensitivity :

FM : 12 dB (pra.) 0 dB (max.)

SW : 25 dB (pra.) 20 dB (max.)

MW : 48 dB (pra.) 36 dB (max.)

LW : 55 dB (pra.) 46 dB (max.)

Intermediate Frequency :

FM : 10.7 MHz

AM : 465 kHz

Antennas (Aerials) :

FM/SW : Telescopic antenna (aerial)

MW/LW : Built-in ferrite-core antenna (aerial)

#### TAPE RECORDER

Tape :

Cassette tape

Tape Speed :

4.75cm/s

Recording System and Bias Frequency :

AC bias, 57 kHz

Erasing System :

AC erase

Track System :

4 track 2 channel

Frequency Response :

CrO<sub>2</sub> : 50 Hz to 12 kHz

Normal : 50 Hz to 10 kHz

S/N (Signal to Noise Ratio) :

50 dB

Wow and Flutter :

0.1% WRMS

Cross Talk :

40 dB

Erase Ratio :

65 dB

Input Sensitivity and Impedance :

Microphone : -55 dB, 500 ohms

DIN : 30mV, 50K ohms

Output Impedance :

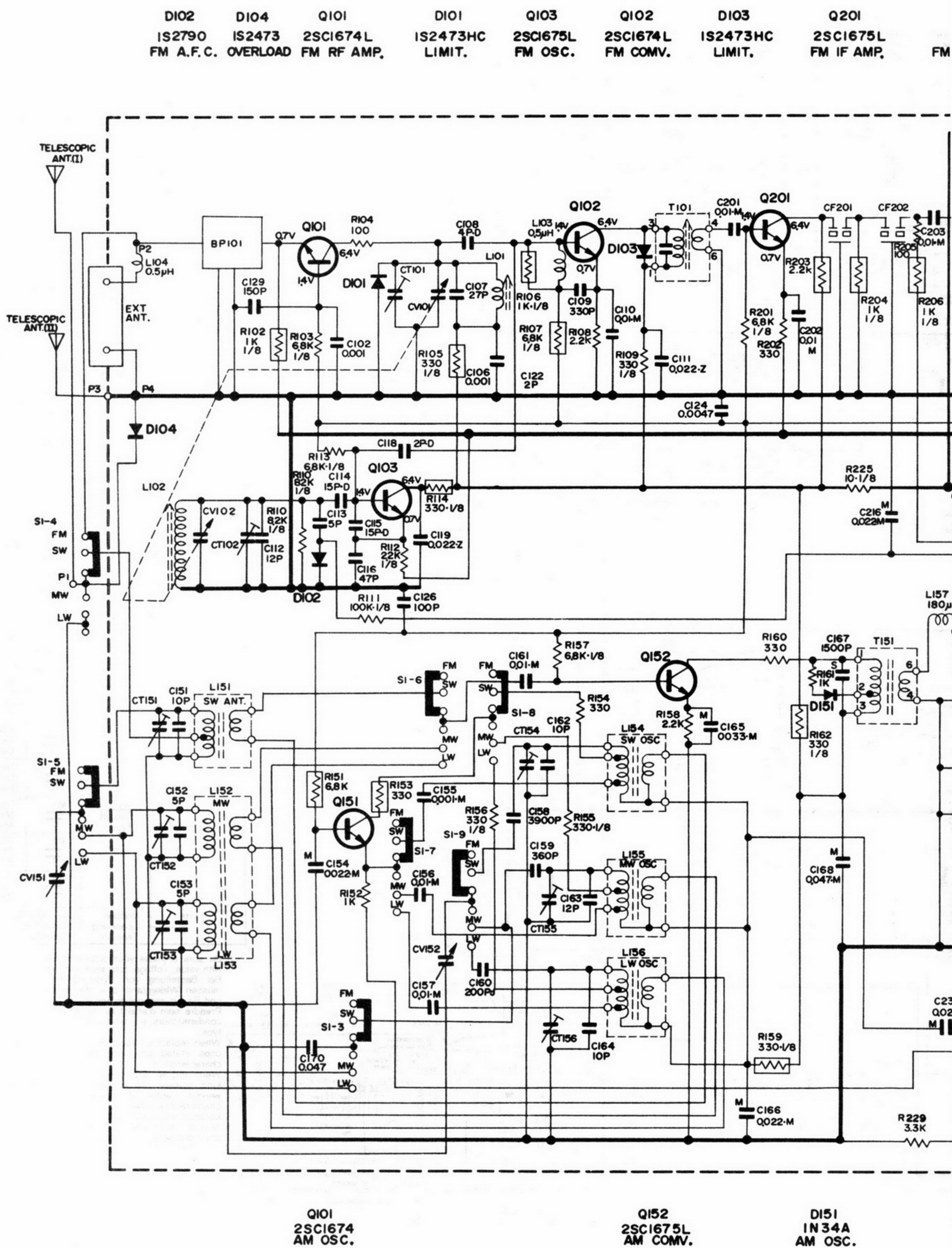
DIN : 0.7V, 10K ohms

## TAPE RECORDER WITH FM/SW/MW/LW RADIO



SCHEMATIC DIAGRAM

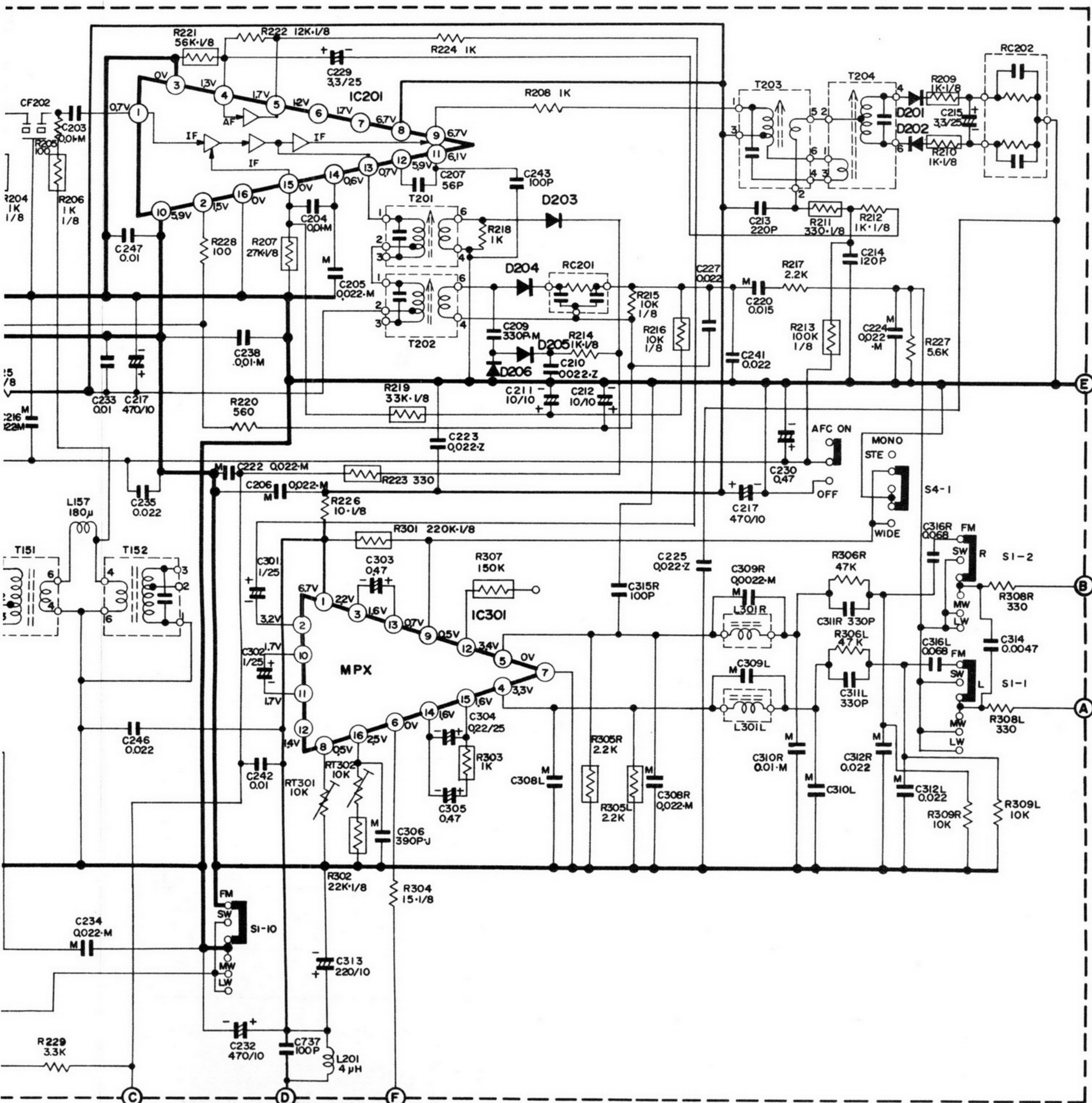
Stromlaufplan





# Schéma de montage

75L MP.	IC201 AN-253 FM/AM IF AMP.	D203 IN60 FM TUNING METER DRIVE	D204 IN60 AM DET.	D205 IN60 FM TUNING METER DRIVE	D206 IN60 FM TUNING METER DRIVE	D201 IN 60P FM DISCRI.	D202 IN60P FM DISCRI.
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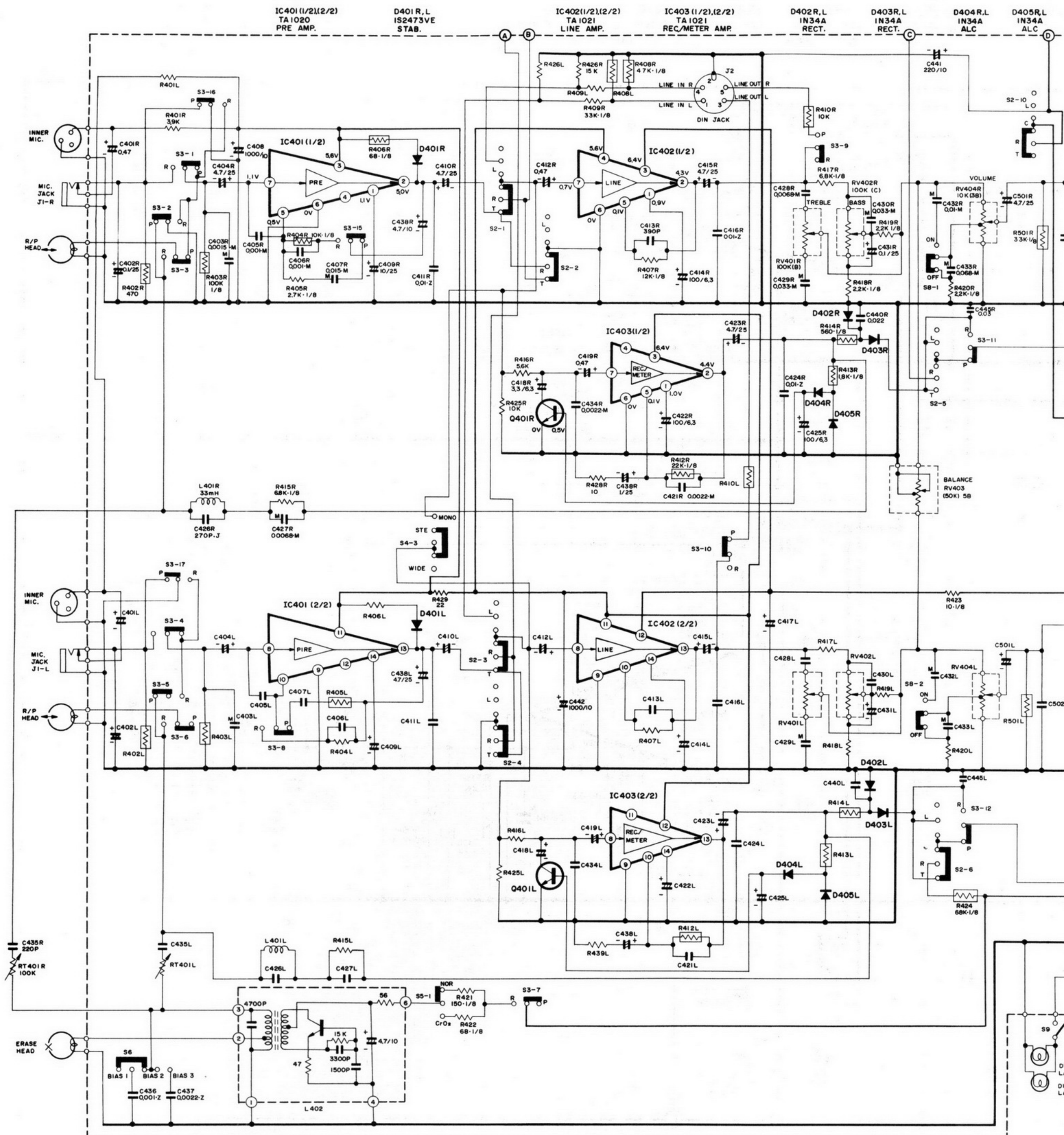
IC301  
AN-362  
MPX.



## SCHEMATIC DIAGRAM

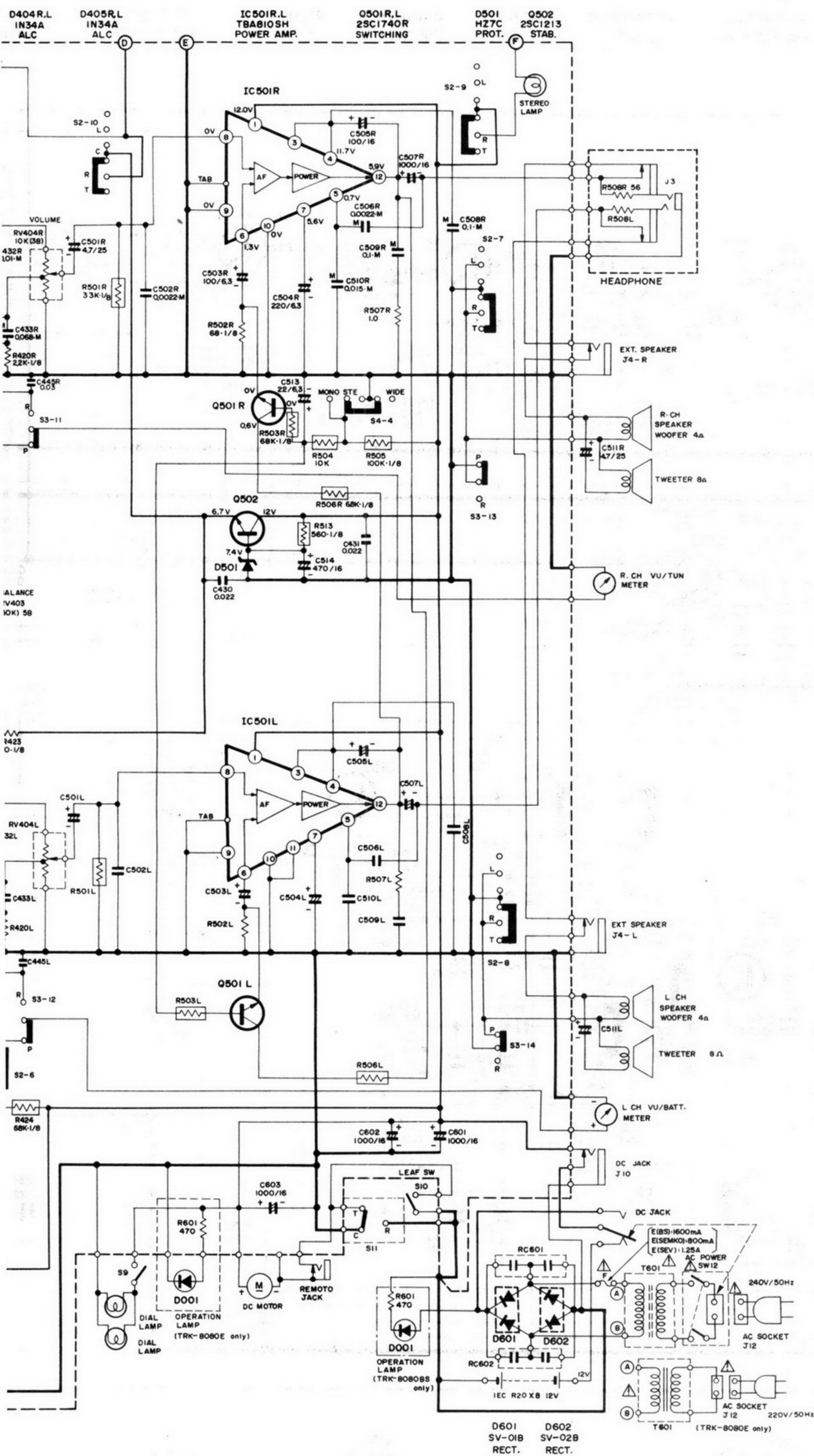
## Stromlaufplan

## Sch





# Schéma de montage



## Note

1. Voltage measured at base of chassis with minimum volume control and no signal.  
Die Spannung wird am Chassiseingang bei minimaler Lautstärke und ohne Angangssignal gemessen.  
Tension mesurée à la base du châssis avec un réglage minimum de la commande de volume et absence de signal.
2. Nomenclature of Resistors and Capacitors.  
Benennung der Widerstände und Kondensatoren.  
Nomenclature de résistances et de condensateurs.

Circuit No. Schaltkreis-Nr No de circuit	
Value Widerstand Valeur	No indicated Keine Bezeichnung No indiqué M : 1000 kΩ
Tolerance Toleranz Tolérance	No indicated Keine Bezeichnung No indiqué K : ±10% M : ±20%
Wattage Watt Puissance	No indicated Keine Bezeichnung No indiqué ¼W
Sort Bauart Type	No indicated Carbon film Keine Bezeichnung Kohlefilm No indiqué Film de carbon RC : Composition Komposition Composition RW : Wire wound Draht Bobinées film RS : Oxide metal film Metalloxid Oxyde métallique RN : Fixed metal film Metallfest Métallique fixe

Circuit No. Schaltkreis-Nr No de circuit	
Value Widerstand Valeur	No indicated Keine Bezeichnung No indiqué P : PF
Tolerance Toleranz Tolérance	No indicated Keine Bezeichnung No indiqué J : ± 5% M : ±20% Z : +80%, -20% D : ±0.5pF C : ±0.25pF
Sort Bauart Type	<div> </div> <div> </div> <div> </div> <div> </div> <div> </div>
Voltage Spannung Tension	No indicated Keine Bezeichnung No indiqué 50WV

3. Be sure to make your orders of resistors and capacitors with value, voltage, tolerance and sort.  
Bei Bestellung von Widerständen und Kondensatoren müssen Widerstand bzw. Kapazität, Spannung, Toleranz und Bauart angegeben werden.  
Prendre soin d'effectuer vos commandes le résistances et condensateurs en précisant valeur, tension, tolérance et type.
4. When replacing capacitors marked with ※, use specified ones stated on parts list since required temperature characteristics.  
Wenn mit ※ bezeichnete Kondensatoren auszuwechseln sind müssen die vorgeschriebenen Kondensatoren verwendet werden, da diese unterschiedliche Temperaturcharakteristik haben.  
Lorsque les condensateurs portant le repère ※, utiliser ceux qui sont précisés dans la liste de pièces détachées étant donné leurs caractéristiques de température.