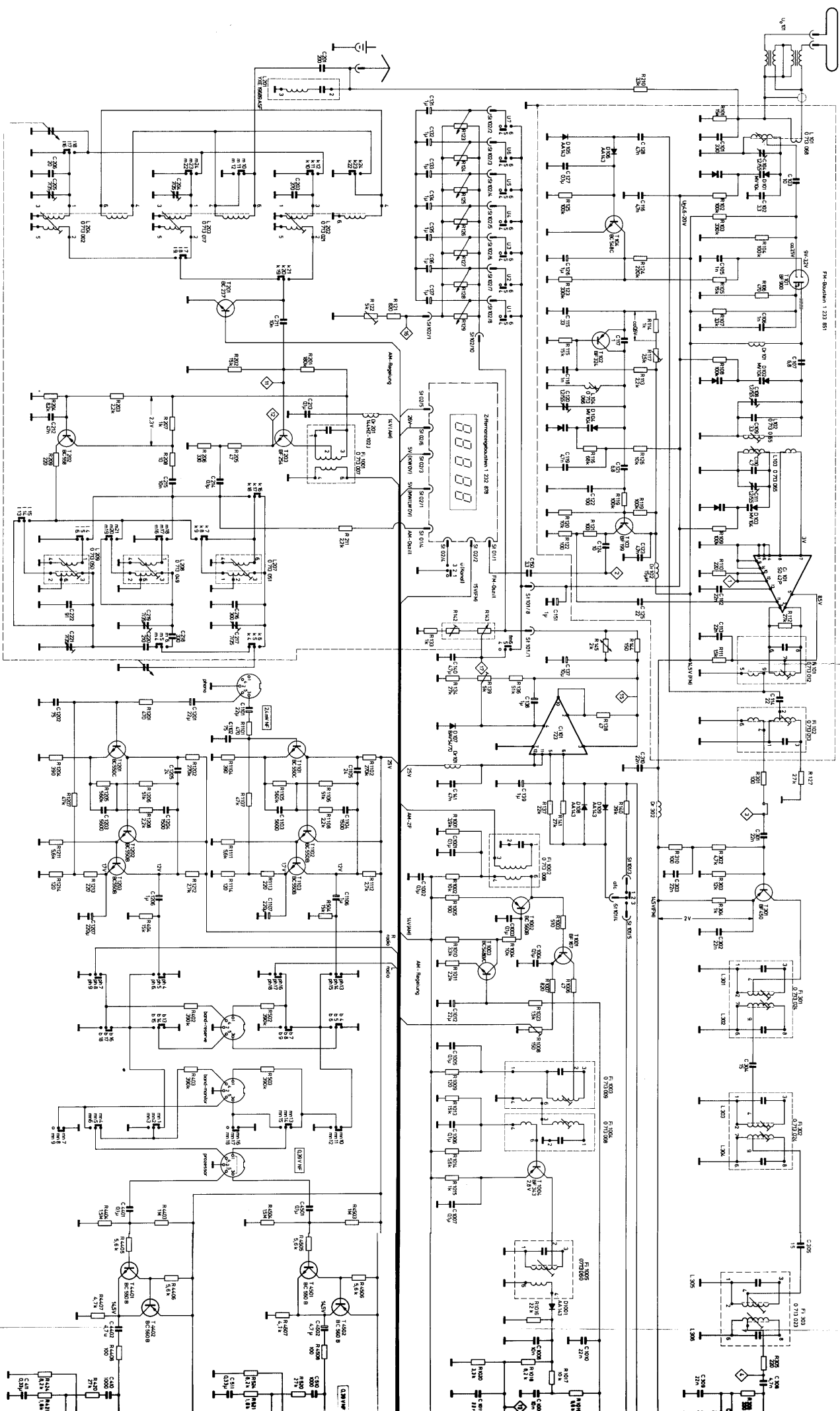


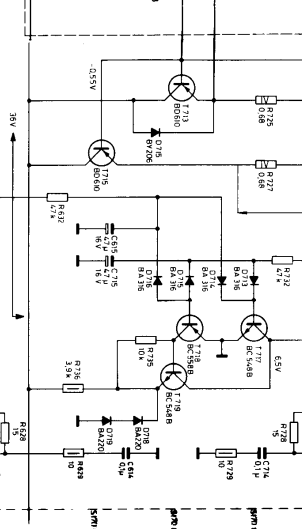
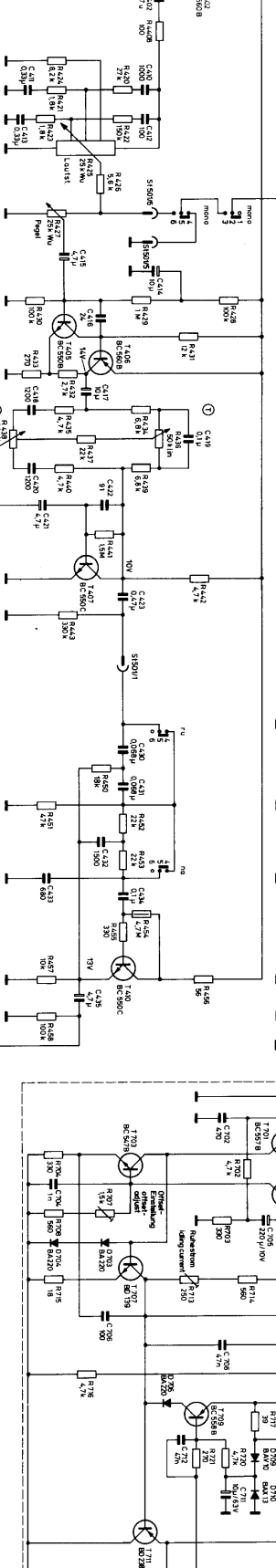
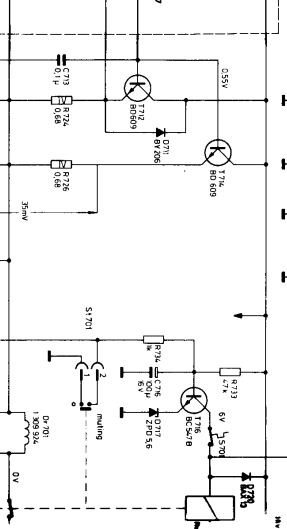
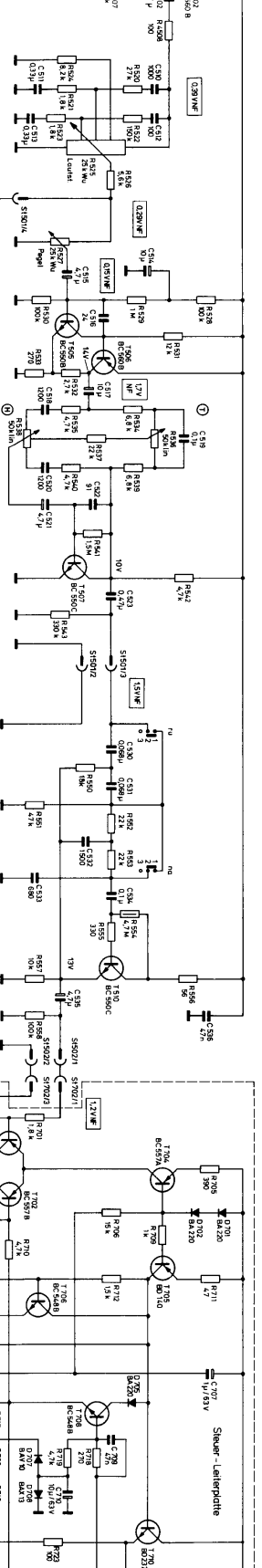
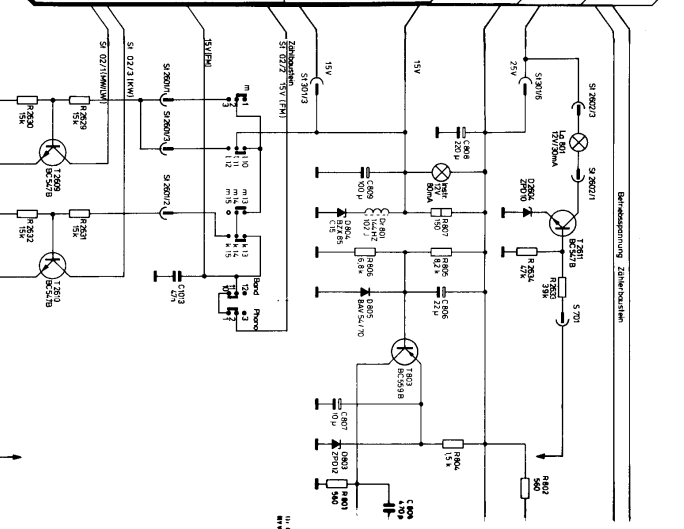
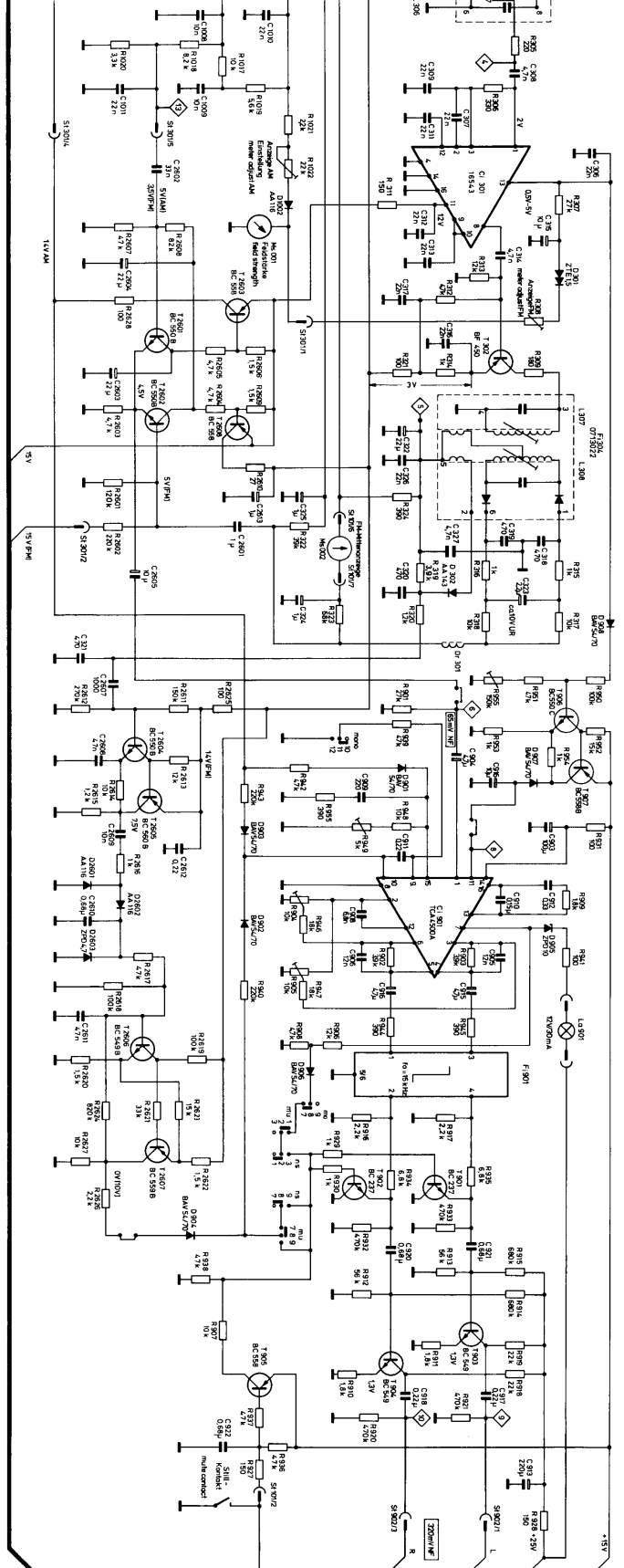
Technische Information
Stromlaufplan

Typ/Type: regie 550 digital

Service Manual
Circuit Diagram

Stromlaufplan Circuit Diagram





Notes to Schematic Diagram

Switch positions shown:

Receiver turned on (exception: mains switch contacts S 802)
FM (UKW) button depressed

Loudspeaker pair "1" selected

Voltages indicated are measured with a meter of $\geq 30 \text{ k}\Omega/\text{V}$ with 220 V mains and ambient temperature approx. 25 °C (77 °F).

measurments made without signal, except ADC, e.g. 0.8... 10 V, and switching state, e.g. 0 V (10 V).

High impedance circuits (e.g. tuning diode voltage) measure

with DC meter with input resistance $> 1 \text{ M}\Omega$.

Voltages without reference lines are measured with respect to ground.

Indicated voltages may vary $\pm 15\%$.

Indicated RF and AF voltages are RMS values.
Audio levels shown boxed are referred to rated output of power

amplifier (16.6 V on 4 Ohms, 220 V mains).

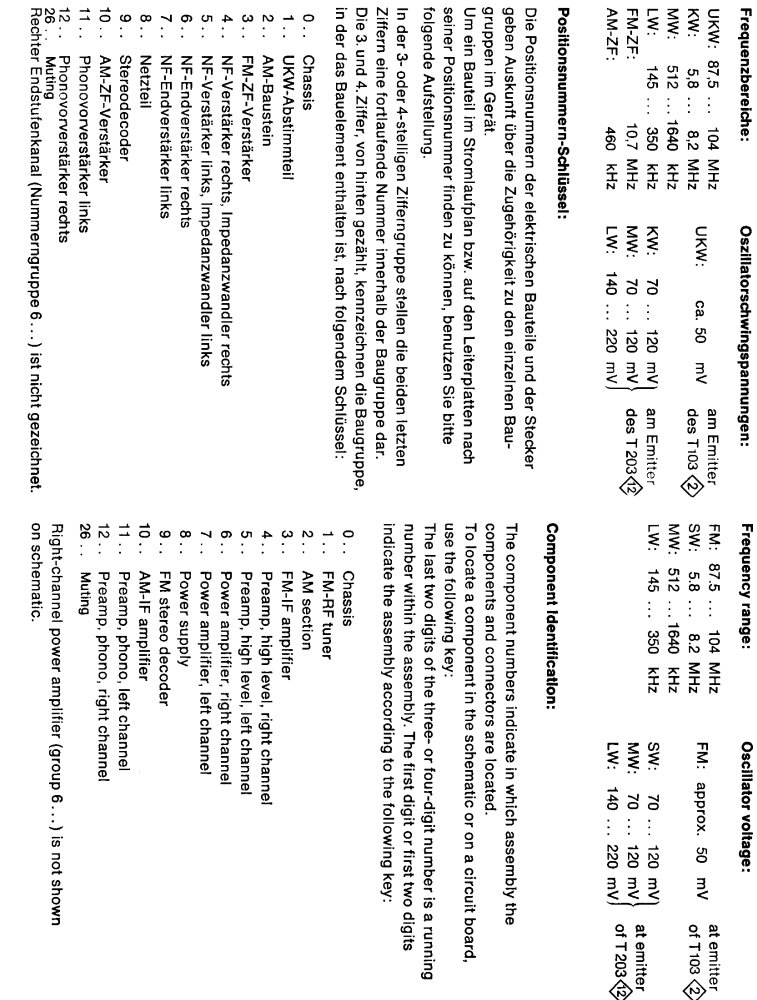
To avoid influencing frequency response, all measurements are made with Loudness (Lautstärke) fully clockwise and with bass and treble set to "0". Output level is adjusted with the Level (Pegel)

controls.

Make certain that the cooling plug is inserted in the Processor Jack!

Jack:

Connect a 1 nF 50 V capacitor from base to emitter of transistors T 1101, T 1103, T 1201, T 1203.



WILLIAM J. HARRIS

The component numbers indicate in which assembly the components and connectors are located.

To locate a component in the schematic or on a circuit board, use the following key:

The last two digits of the three- or four-digit number is a runni

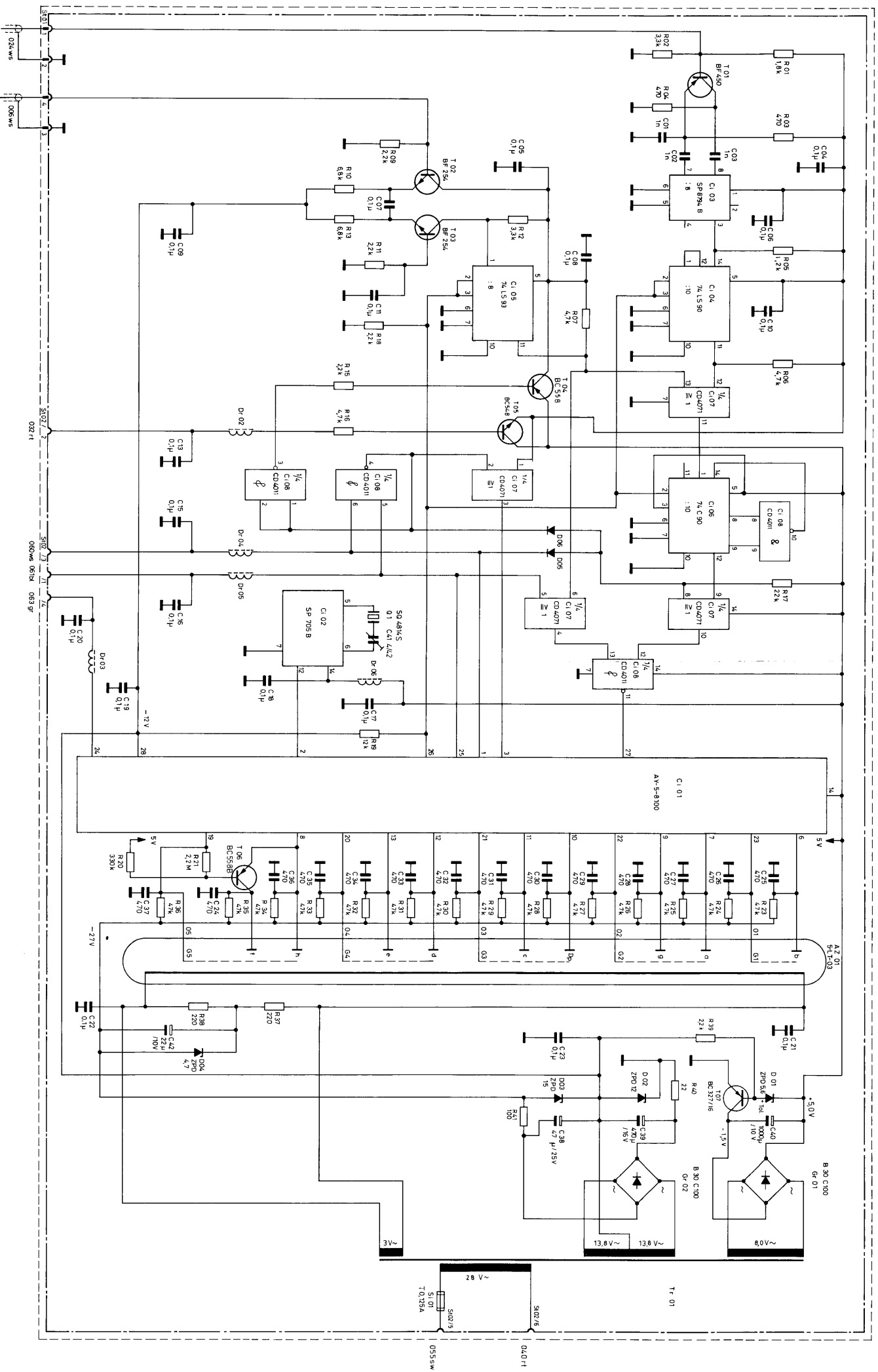
number within the assembly. The first digit or first two digits indicate the assembly according to the following key:

Chassis

1 :: FM-RF tuner
2 AM section

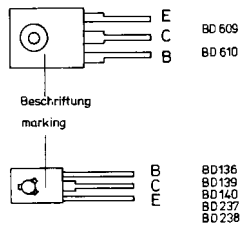
- 3... FM-IF amplifier
- 4... Preamp, high level, right channel
- 5... Preamp, high level, left channel
- 6... Power amplifier, right channel
- 7... Power amplifier, left channel
- 8... Power supply
- 9... FM stereo decoder
- 10... AM-IF amplifier
- 11... Preamp, phono, left channel
- 12... Preamp, phono, right channel
- 26... Muting

Differenzanzeigebaustein Digital display module

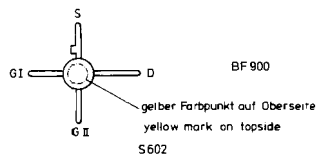
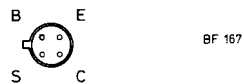
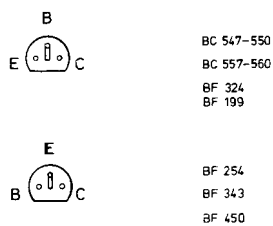


Anschlußcode Connection Code

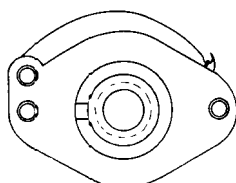
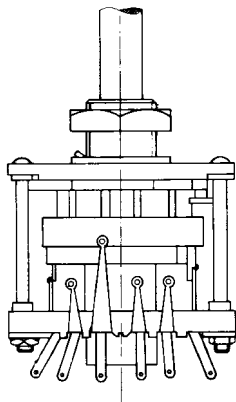
Transistoren transistors



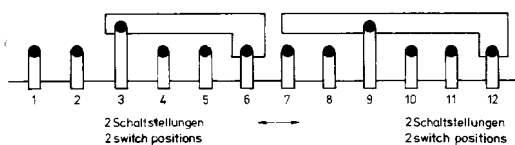
(auf die Anschlüsse gesehen)
(looking at the connections)



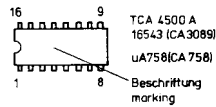
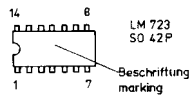
Lautsprecherschalter
loudspeaker switch



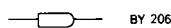
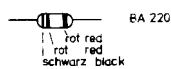
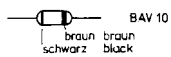
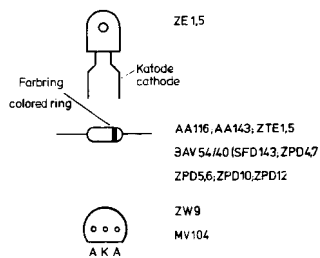
Kontaktenebene
contact level



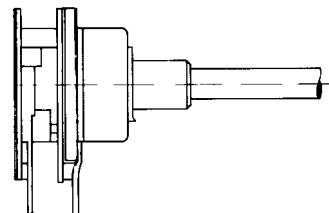
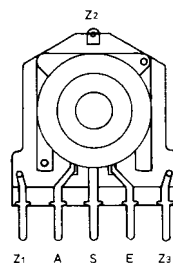
integrierte Schaltungen integrated circuits



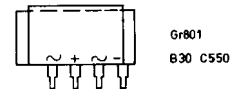
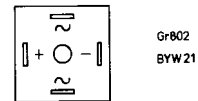
Dioden diodes



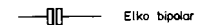
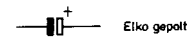
Lautstärkeregler
volume control



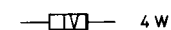
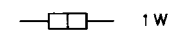
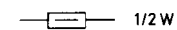
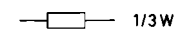
Gleichrichter rectifier



Elektrolytkondensatoren electrolytic capacitor

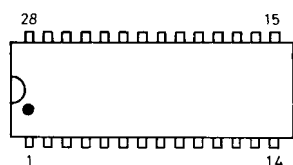


Widerstände resistors

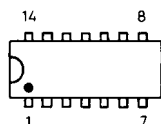


Anschlußcode Connection Code

Integrierte Schaltungen



Frequenzzähler AY-5-8100 0 644 808



Quarz-Oszillator SP 705 B 0 644 809

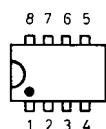
Dezimalzähler SN74 LS90N 0 644 811

Binärzähler SN74 LS93N 0 644 812

Dezimalzähler MM74 C90N 0 644 813

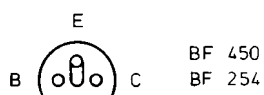
4-fach 2-Eingang
ODER Gatter 4071 0 644 826 WN 32 004 03

4-fach 2-Eingang
NAND Gatter 4011 0 644 782 WN 32 004 03



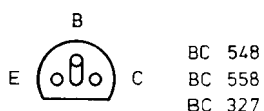
Frequenzteiler SP 8794 B 0 644 810

Transistoren (auf die Anschlüsse gesehen)



BF 450

BF 254

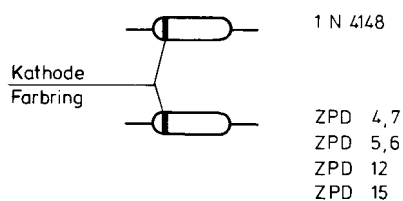


BC 548

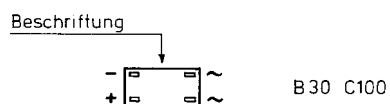
BC 558

BC 327

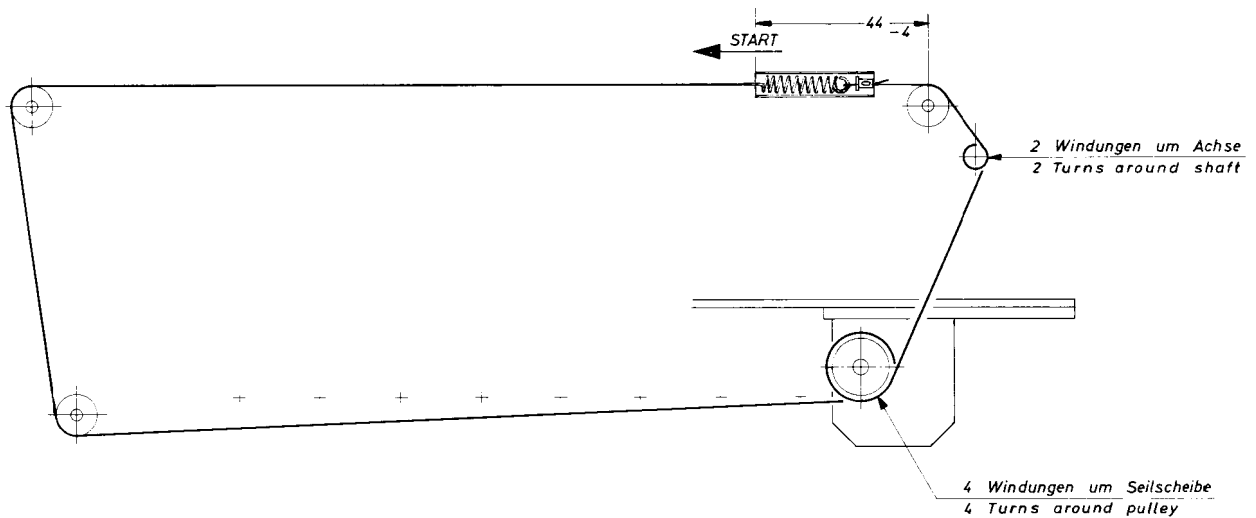
Dioden



Gleichrichter



Antriebsschema Dial drive



1. AM-FM-Antrieb montieren

- 1.1 Drehko-Achse an Anschlag rechts festlegen.
- 1.2 Federmitte rechts im Abstand 44 ± 4 mm festhalten.
- 1.3 Seil in Pfeilrichtung nach links auflegen.
- 1.4 Seil 4 Windungen um die Seilscheibe schlingen.
- 1.5 Seil gegen den Uhrzeigersinn 2 x um die Antriebswelle schlingen.

1. Install AM-FM Dial Cord

- 1.1 Rotate tuning capacitor fully clockwise.
- 1.2 Spring-middle right distance 44 ± 4 mm clockwise.
- 1.3 String cord to the left as shown by arrows.
- 1.4 Wind cord 4 turns around capacitor pulley.
- 1.5 Wind cord 2 turns counterclockwise around drive shaft and attach to pointer.