

# **BRAUN**

**Technische Information  
Stromlaufplan**

**Service Manual  
Circuit Diagram**

**Information Technique  
Schéma**

**Typ/Type: Vollverstärker  
A 501**

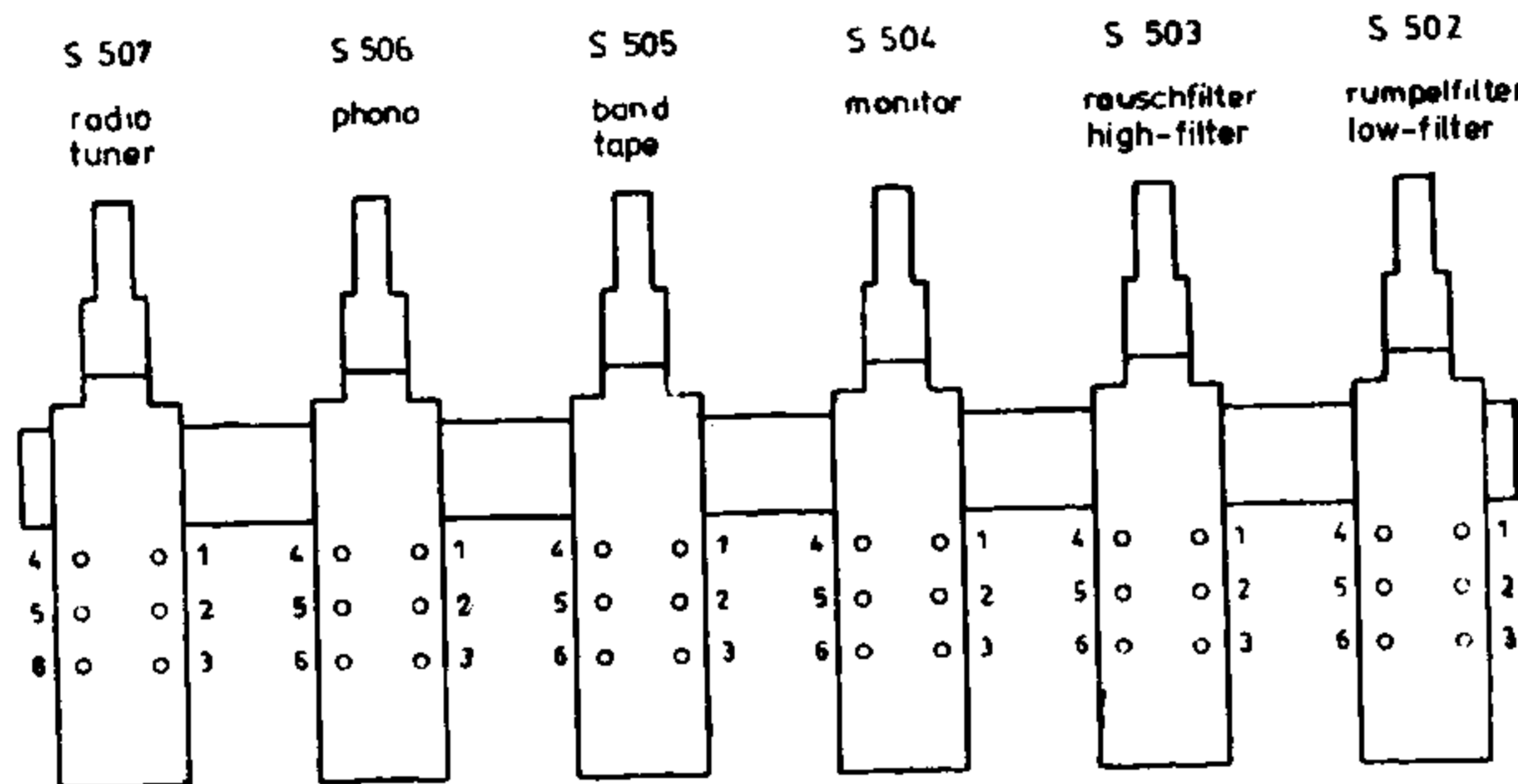
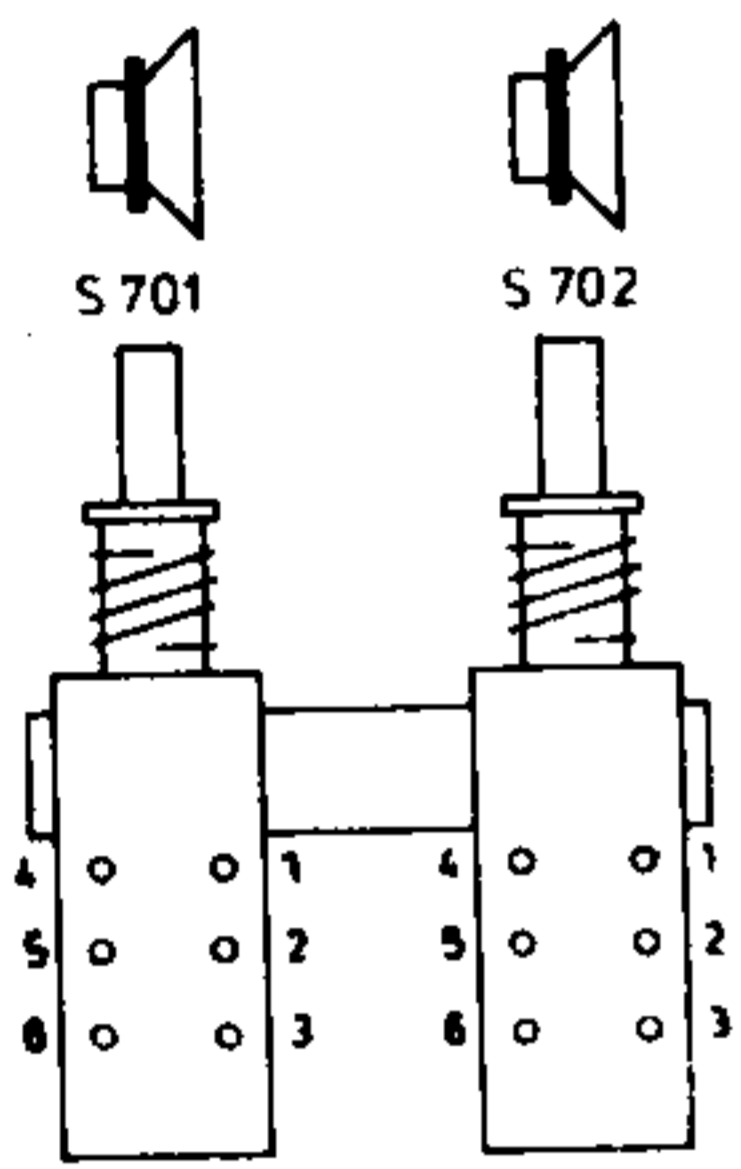
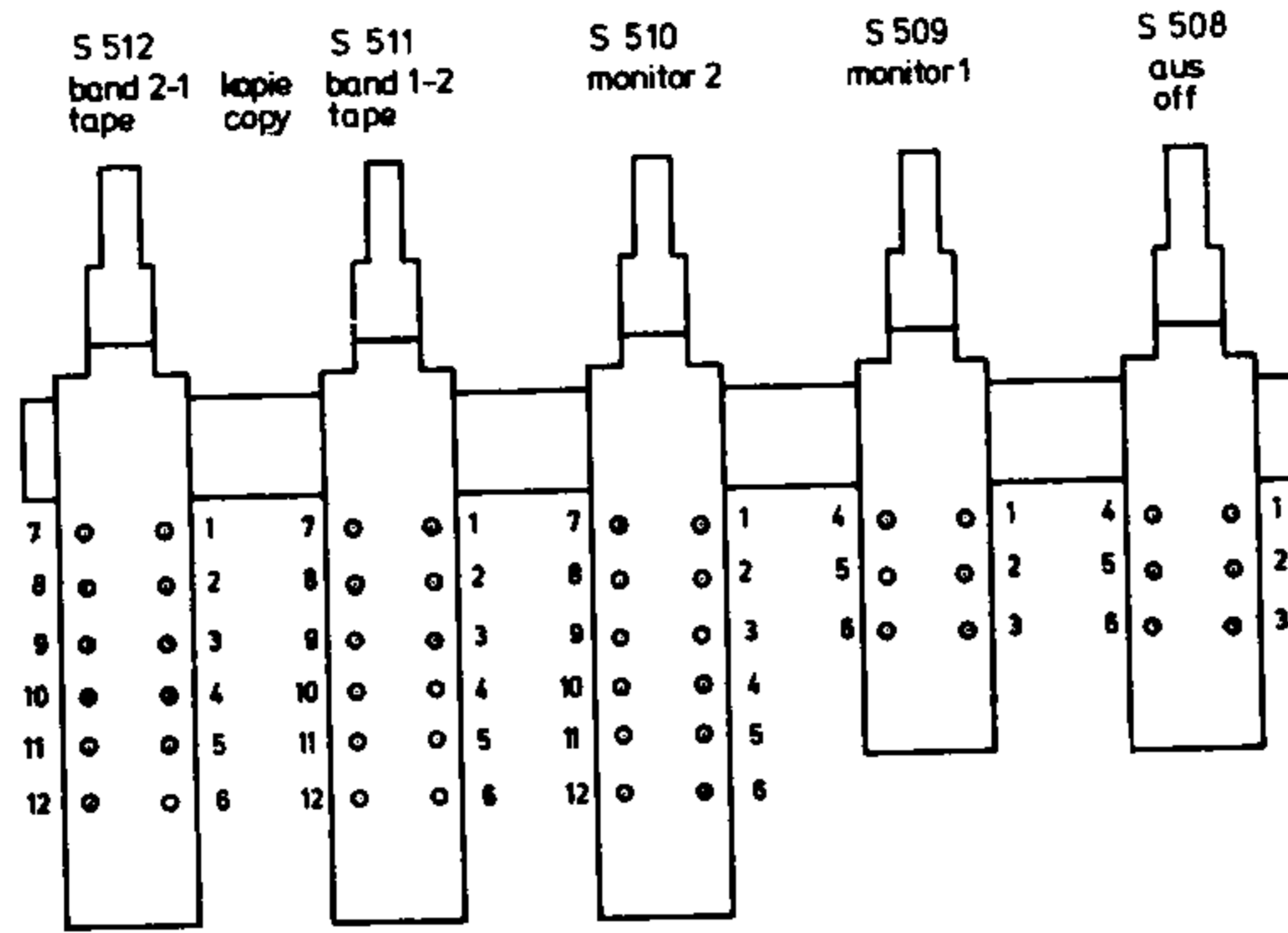
**Amplifier Power  
A 501**

**Amplificateur  
de puissance A 501**

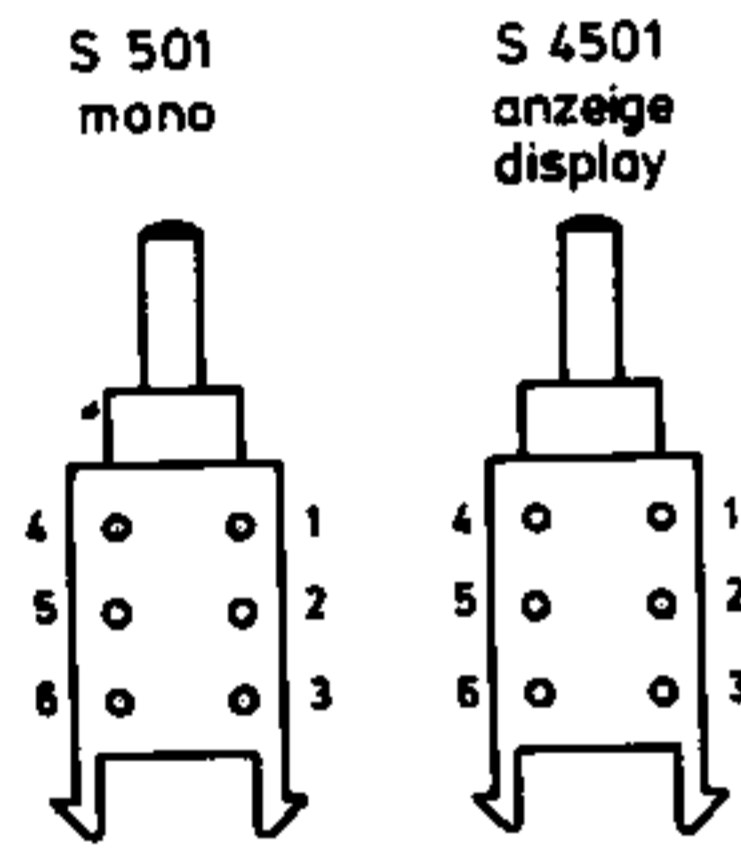
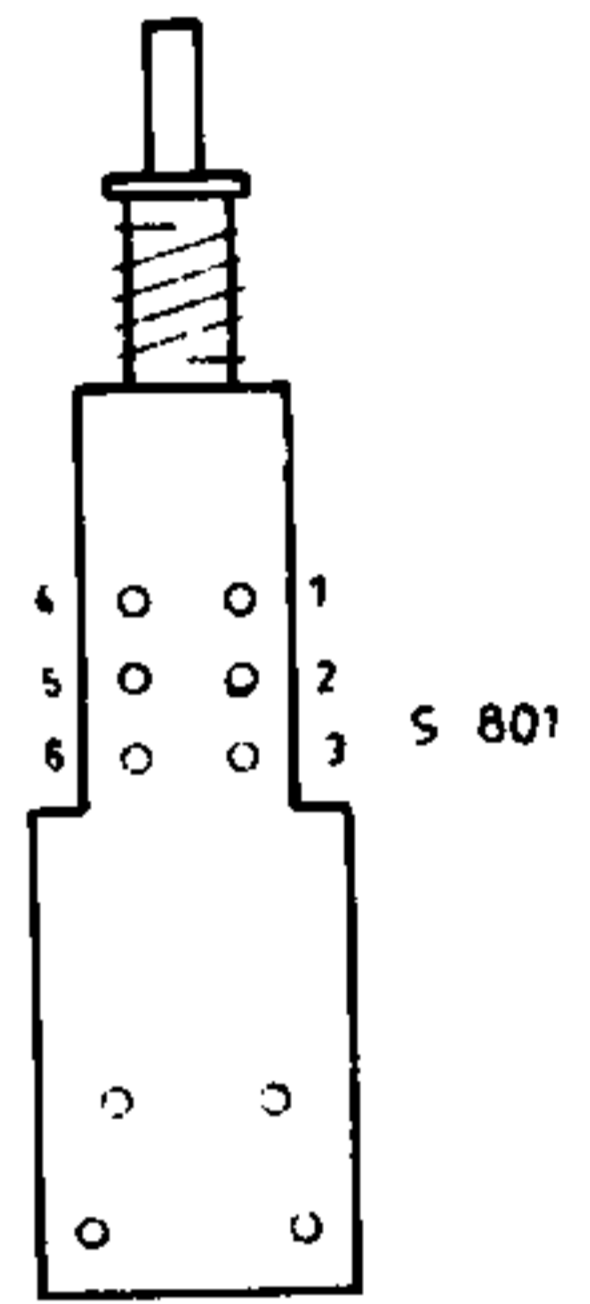


# Anschlußcode Connection Code Code de connexion

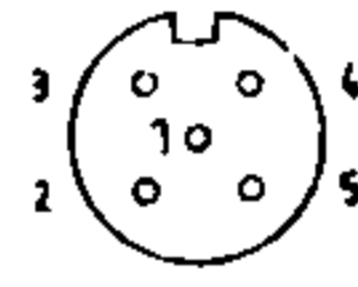
## Tastatur p-b.-switches



## Netzschalter on/off switch



## Steckverbindungen pluggable-connections



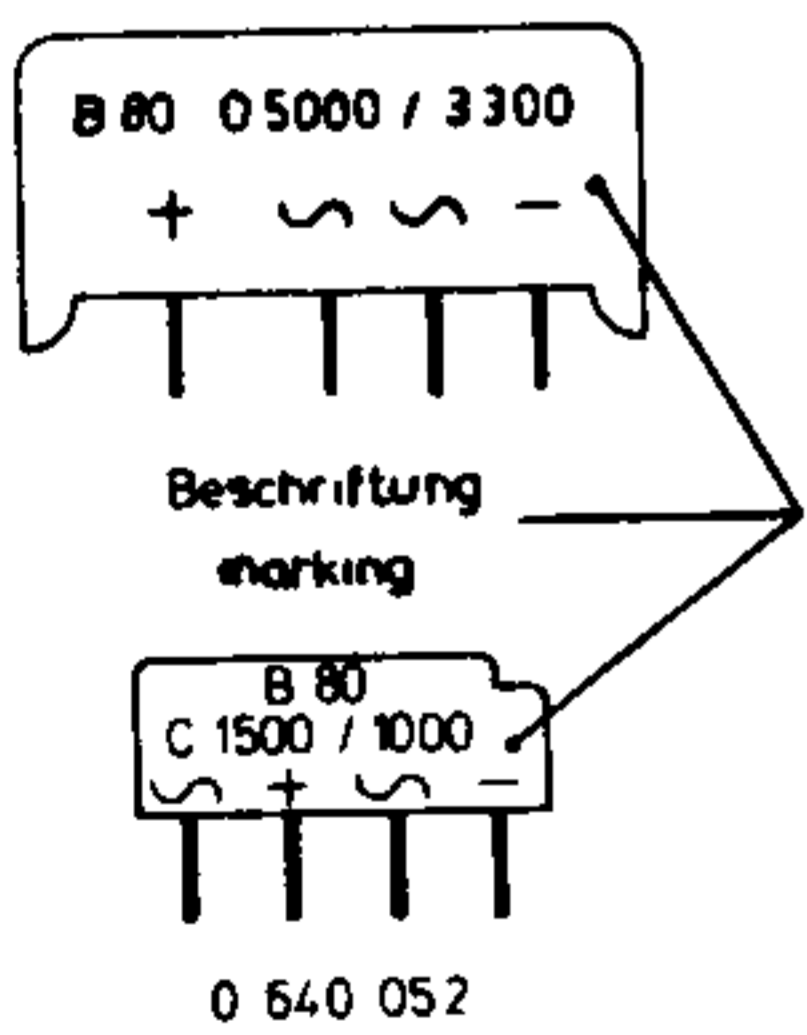
St 1101 phono  
St 1501 band  
St 2001 monitor o  
St 2002 monitor w  
St 4101 tuner

Kopfhörer  
headphone

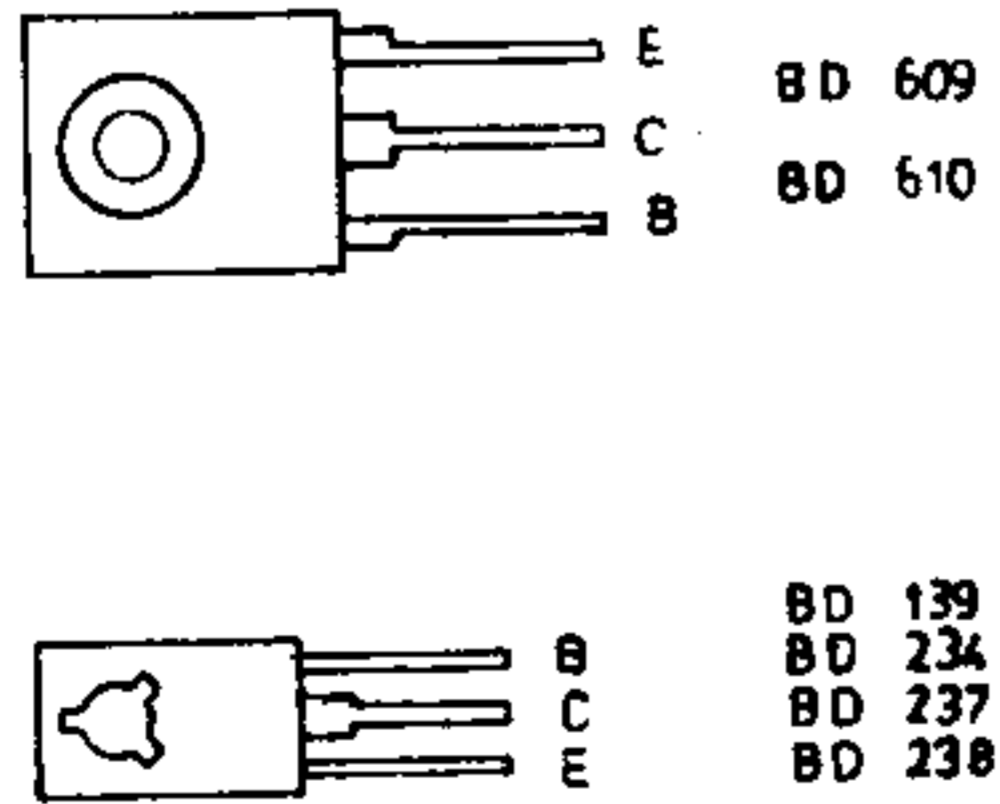
Lautsprecher  
loudspeaker

## Gleichrichter rectifiers

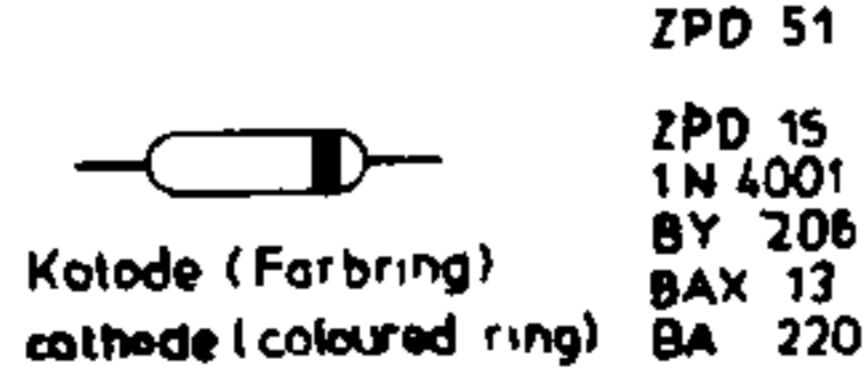
0 640 053



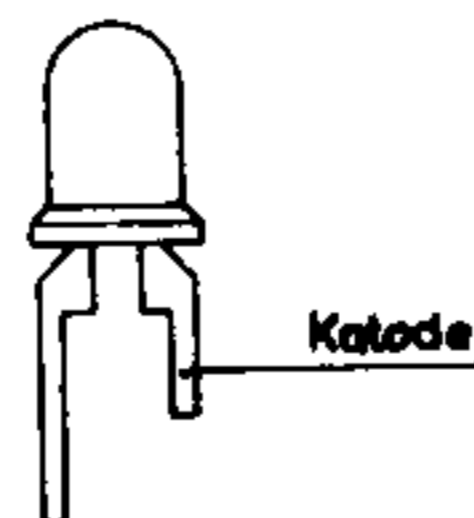
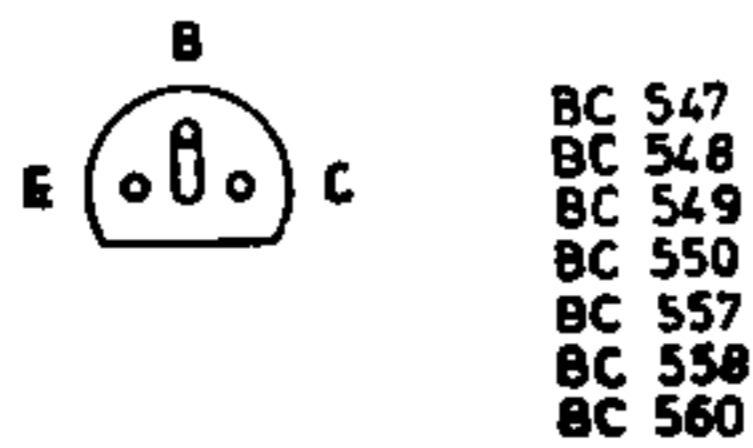
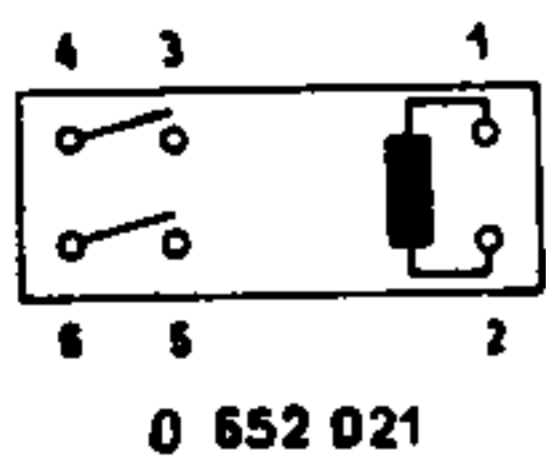
## Transistoren transistors



## Dioden diodes



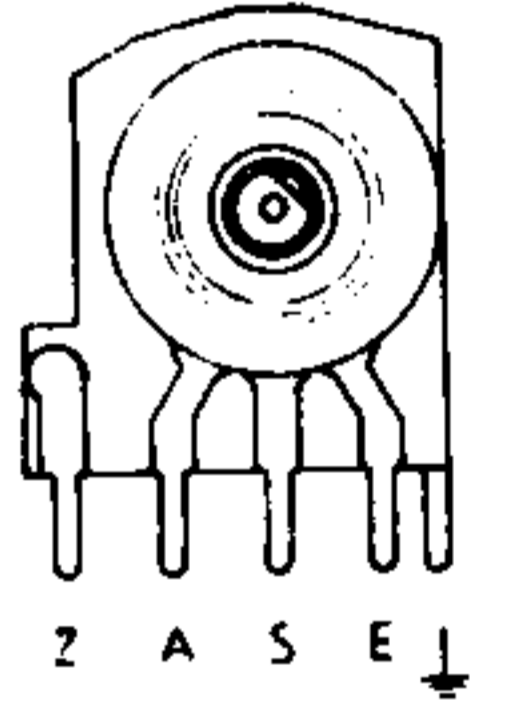
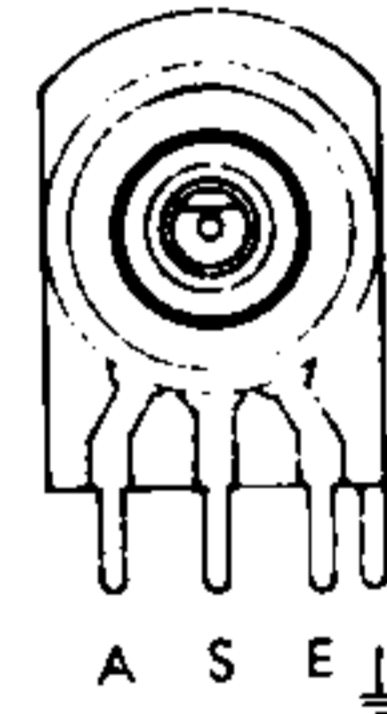
## Relais relay



## Kondensatoren capacitors

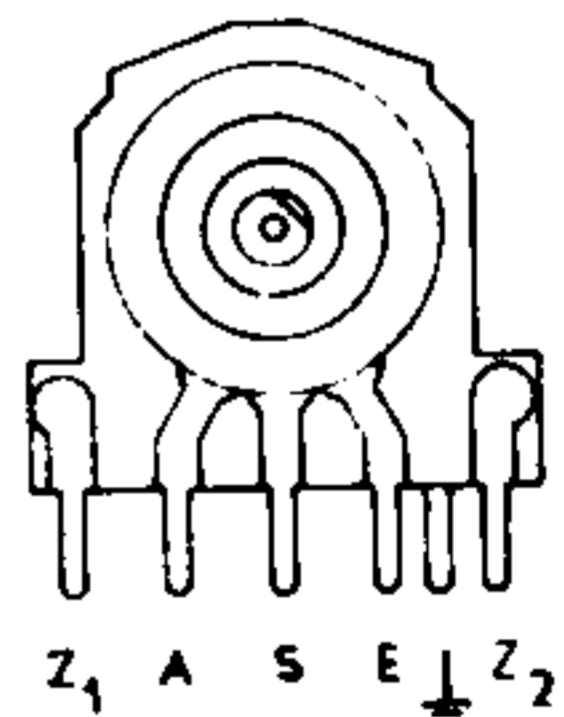


## Drehwiderstände rotary-potentiometers



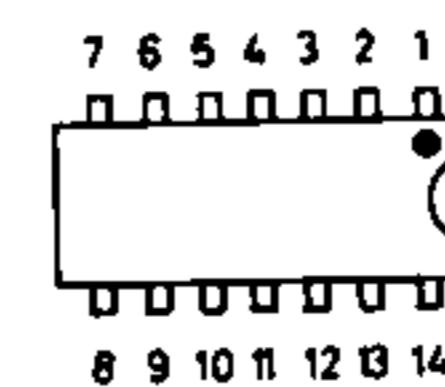
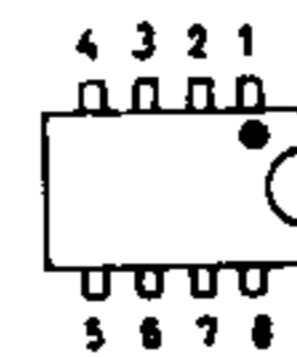
Pegel  
level

Hohen-Tiefen  
treble-bass

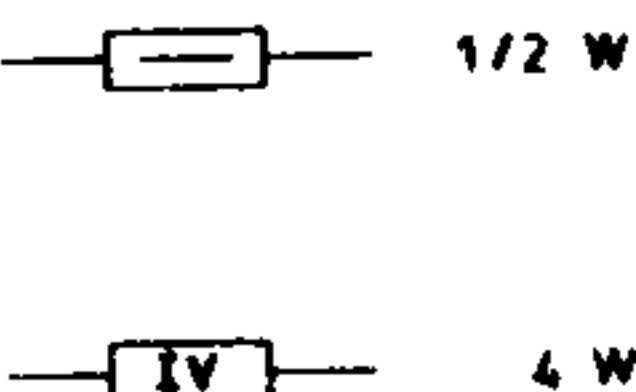
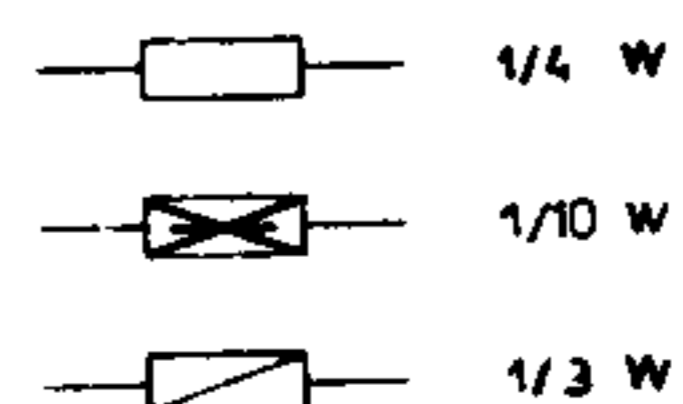


Lautstärke  
volume

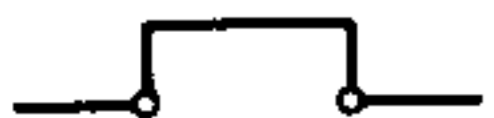
## Integrierte Schaltung integrated circuits



## Widerstände resistors

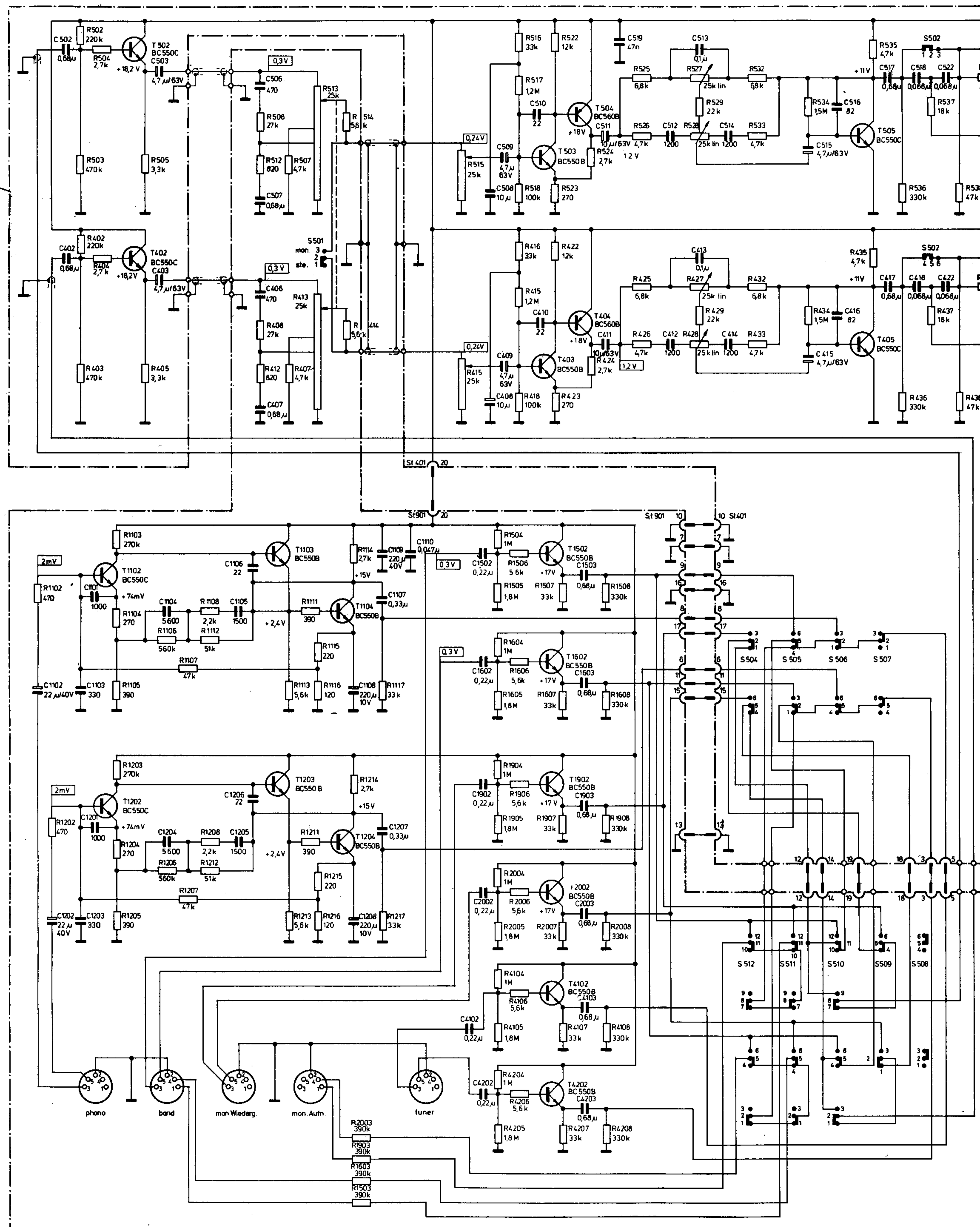


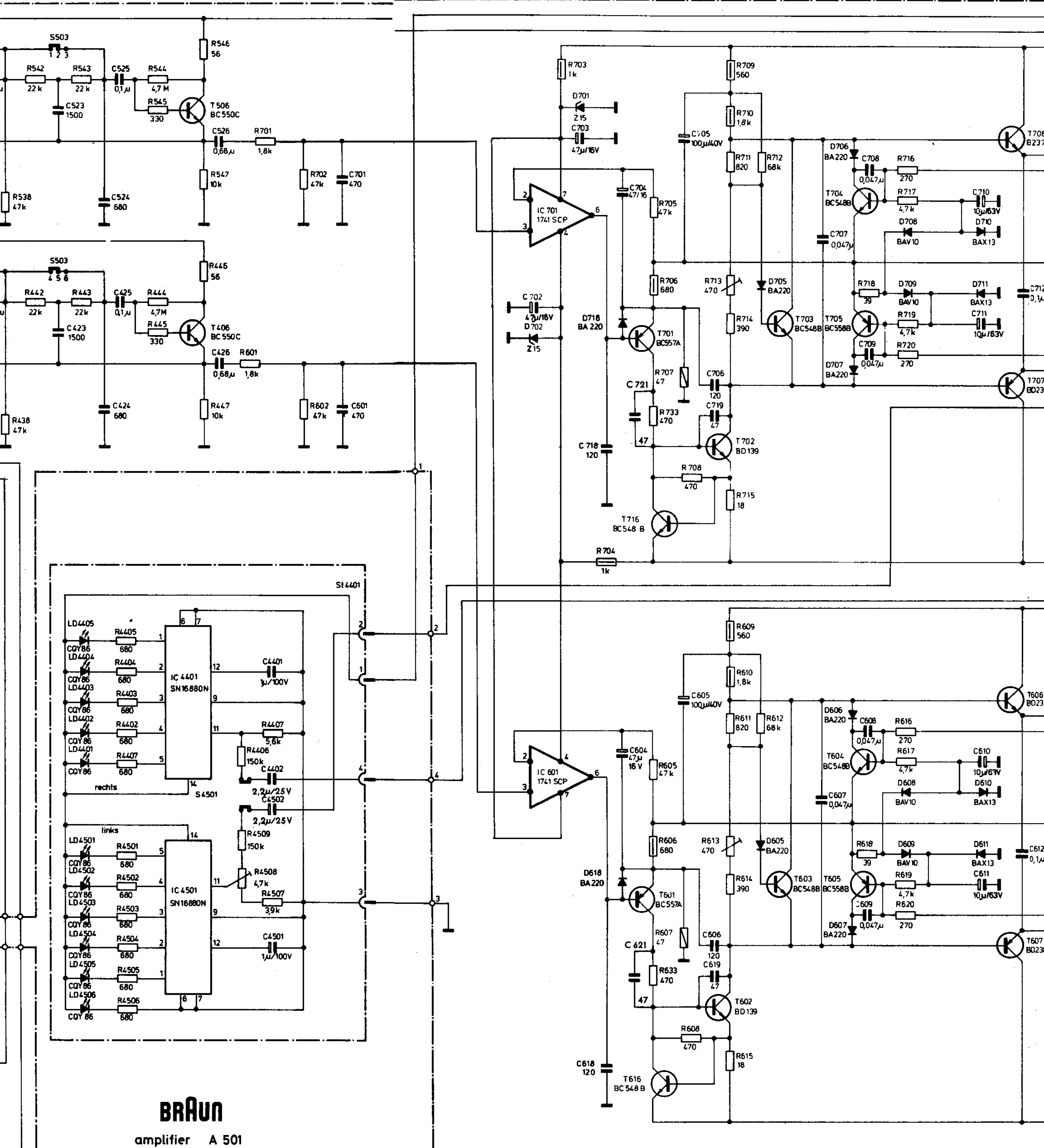
## Trennstelle solder bridge (durch Lotpunkt überbrückt)



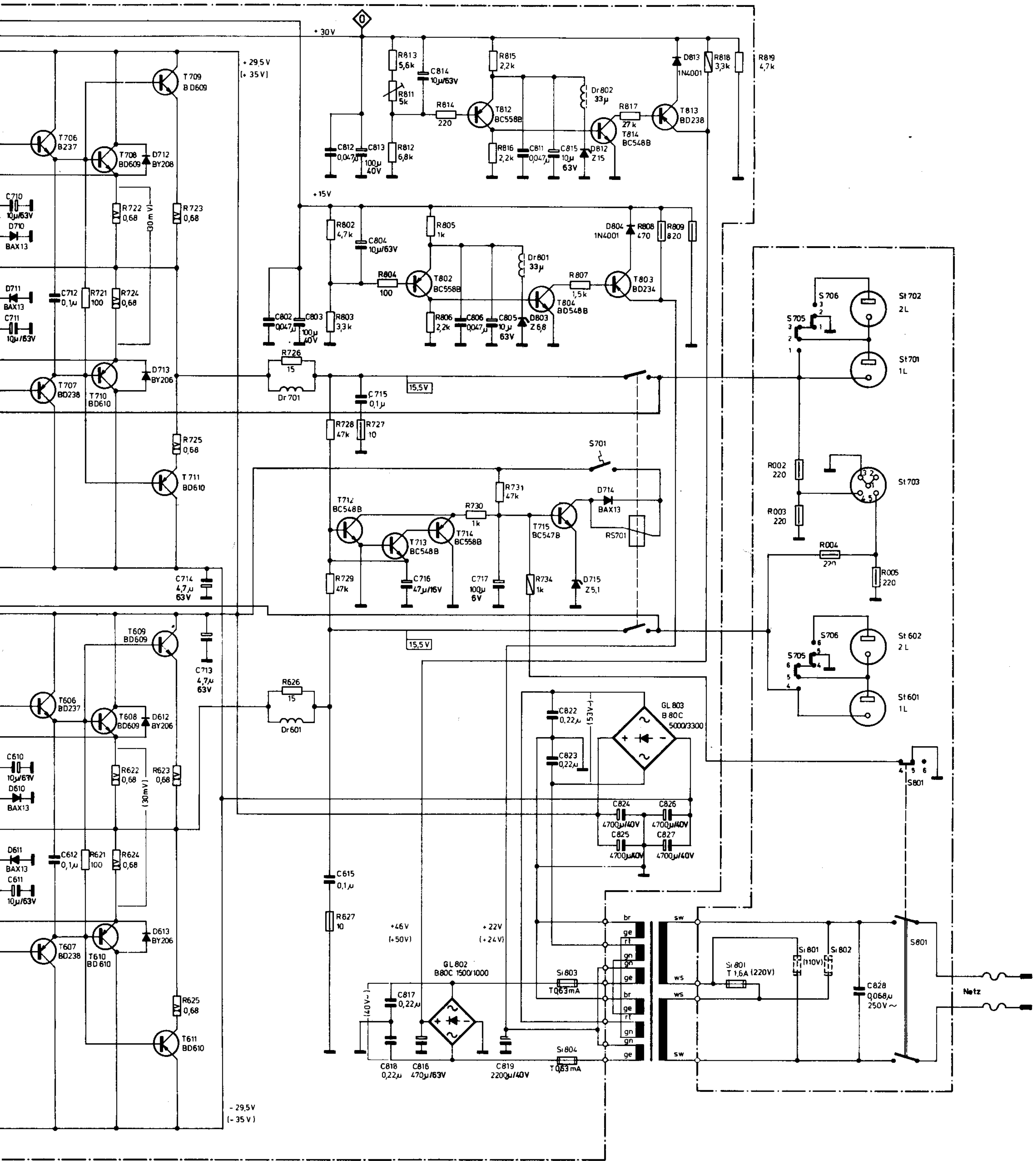


# Stromlaufplan Circuit Diagram Schéma





**BRAUN**  
amplifier A 501



+ 29,5 V  
(+ 35 V)

+ 30 V

+ 15 V

15,5 V

15,5 V

+ 46 V  
(+ 50 V)

+ 22 V  
(+ 24 V)

- 29,5 V  
(- 35 V)

Netz

# Hinweise zum Stromlaufplan A 501

# Notes on Circuit Diagram A 501

# Indications pour le schéma A 501

## Gezeichnete Schalterstellungen:

NF-Tasten: radio gedrückt  
Lautsprechertasten: Lautsprecher 1  
gedrückt

Aus/Überspiel/  
Monitor-Tasten: Aus gedrückt

Die im Endverstärker angegebenen Spannungswerte ohne Klammer sind mit Nennleistung, jene mit runder Klammer sind ohne Signal zu messen. Mittels Rechteck eingerahmte Spannungswerte sind NF-Spannungen (Effektivwert).

Spannungsangaben ohne Bezugslinie sind gegen Masse zu messen. Gemessen wird generell bei 220 V Netzspannung und mit einem Meßinstrument, dessen Eingangswiderstand mindestens 50 kOhm/V beträgt.

## Switch positions shown:

NF push buttons: radio depressed  
Speaker push buttons: Speaker 1  
depressed

Off/replay/  
monitor buttons: released

Voltages as indicated in the output stage not in parentheses are measured with nominal power and those in parentheses are measured without signal.

Voltages in square parentheses are AF voltages (effective value).

Voltages without reference lines are measured to ground (chassis).

Measurements should always be carried out at 220 V mains voltage with a 50 k $\Omega$ /V meter.

## Positions des touches:

Touches BF: radio enfoncée  
Touches HP: HP 1 enfoncée

Touches arrêt/  
reproduction/monitor: arrêt enfoncée

Les valeurs indiquées dans le stage de sortie sans crochets sont mesurées avec puissance nominale; les valeurs entre crochets ronds sont mesurées sans signal; les valeurs entre crochets quadratiques sont tensions BF (valeurs affectives).

Indications de tension sans ligne de base sont mesurés sur potentiel négatif. Les valeurs sont mesurées généralement avec une tension de 220 V et avec un instrument de mesure d'une résistance d'entrée de plus que 50 k $\Omega$ /V.