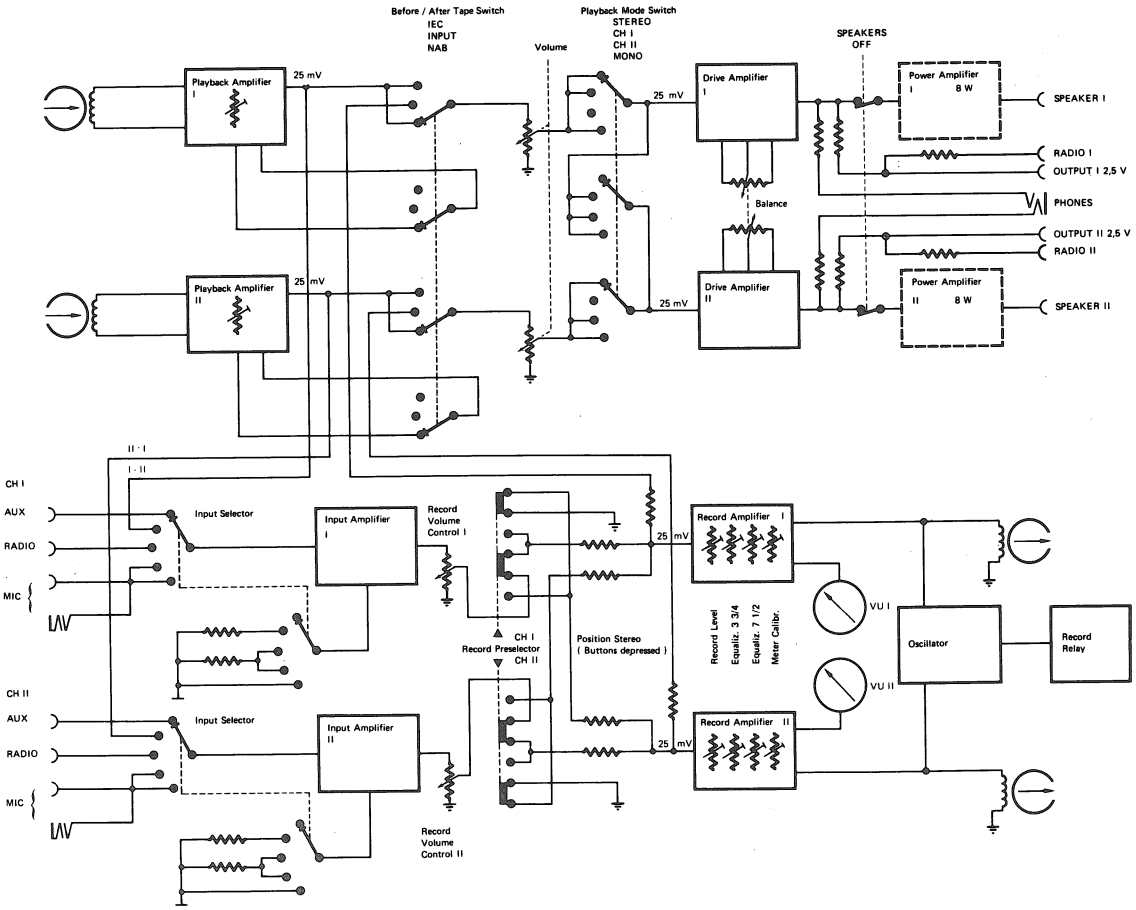
REVOX A77

SET OF SCHEMATICS
SCHALTUNGSSAMMLUNG
RECUEIL DE SCHÉMAS



General Measurement Conditions: **Allgemeine Messbedingungen:** **Conditions générales de mesure:**

(for voltages in rectangular frames)
(für Spannungsangaben in rechteckigen Feldern)
(pour les tensions encadrées)

D.C. Voltages: vertical letters, e.g. +12 V
Gleichspannungen: vertikale Schrift, z. B.
Tensions continues: caractères droits, ex.

A.F. Voltages: slant letters, e.g. *700mV*
Tonfrequenzspannungen: schräge Schrift, z. B.
Tensions basse-fréquence: caractères inclinés, ex.

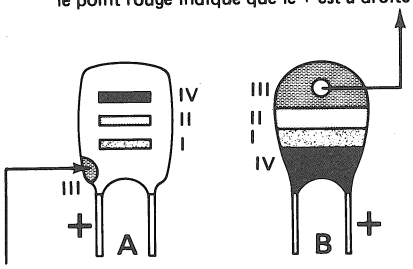
Meter internal resistance 20 kΩ/V min.
Messinstrument minimaler Innenwiderstand 20 kΩ/V
Voltmètre à résistance interne minimum de 20 kΩ/V

Meter: Vac, tube or transistor voltmeter 1 MΩ min.
Messinstrument: Röhren- oder Transistorvoltmeter min.1 MΩ
Voltmètre électronique d'au moins 1 MΩ d'impédance d'entrée

Markings on Tantalum Electrolytic Capacitors
Kennzeichnung der Tantal-Elektrolyt-Kondensatoren
Marquage des condensateurs électrolytiques au tantale

Color Farbe Couleur (pink–rosa–rose**)	Capacitance in µF – Kapazität in µF – Capacité en µF 1st digit 1. Ziffer 1er chiffre I	 2nd digit* 2. Ziffer* 2ème chiffre* II	 Multiplier Multiplikator Multiplicateur III	Working voltage Nennspannung Tension de service IV
black–schwarz–noir	–	0	x1	10 V
brown–braun–brun	1	1	x10	–
red–rot–rouge	2	2	–	–
orange–orange–orange	3	3	–	35 V**
yellow–gelb–jaune	4	4	–	6 V
green–grün–vert	5	5	–	15 V
blue–blau–bleu	6	6	–	20 V
violet–violett–violet	7	7	–	–
gray–grau–gris	8	8	x0,01	25 V
white–weiss–blanc	9	9	x0,1	3 V

Red dot indicates + to the right
Roter Farbpunkt = Pluspol nach rechts
le point rouge indique que le + est à droite



Color dot indicates + and multiplier
Farbpunkt = Pluspol und Multiplikator
le point de couleur indique le + et le multiplicateur

* possibly missing on model B
* Ausführung B: 2. Ziffer nur bei Bedarf
* le 2ème chiffre peut manquer pour le modèle B

** 35 V on model A: pink
** 35 V bei Ausführung A: rosa
** 35 V pour le modèle A: rose

Subjected to change–Änderungen vorbehalten–Sous réserve de modifications

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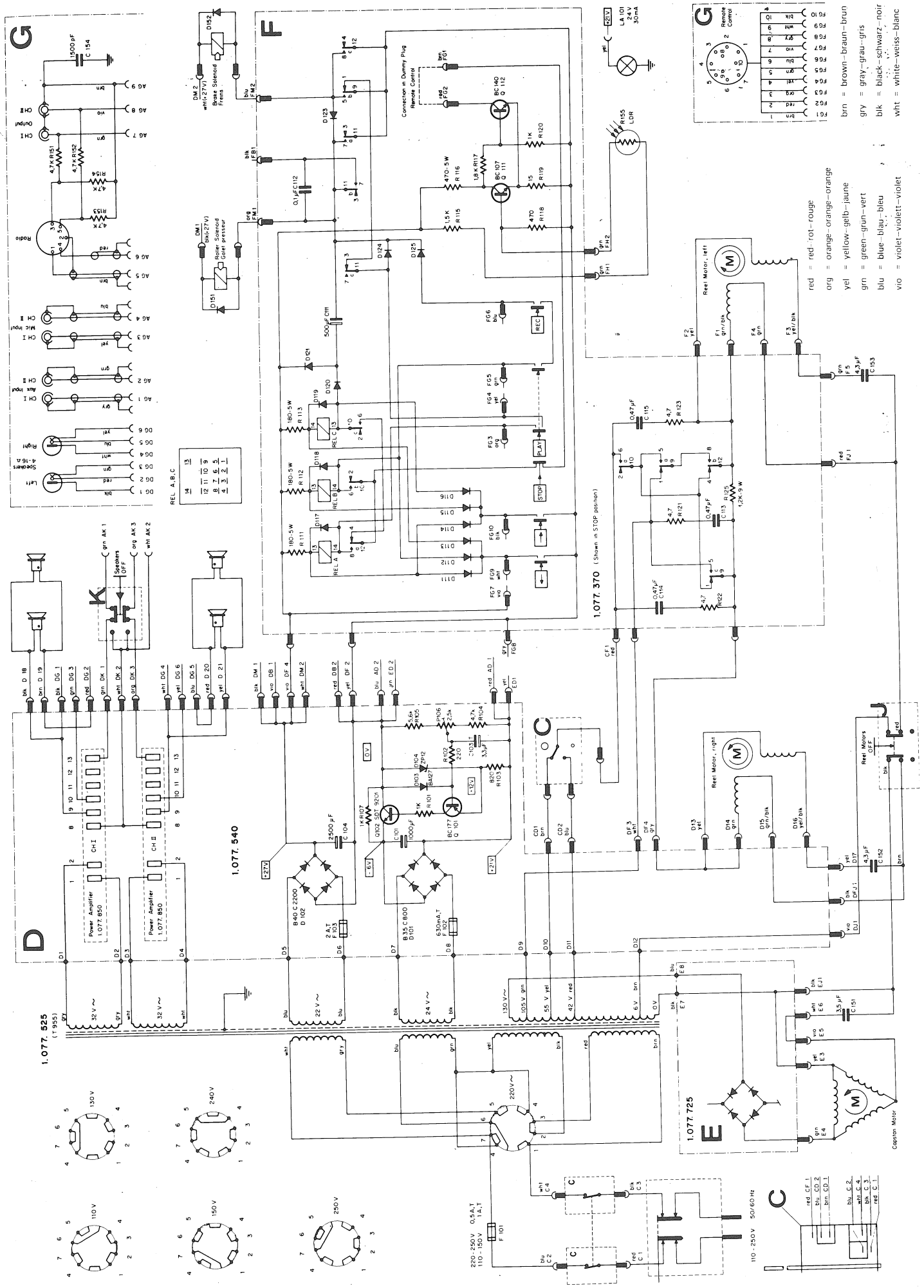
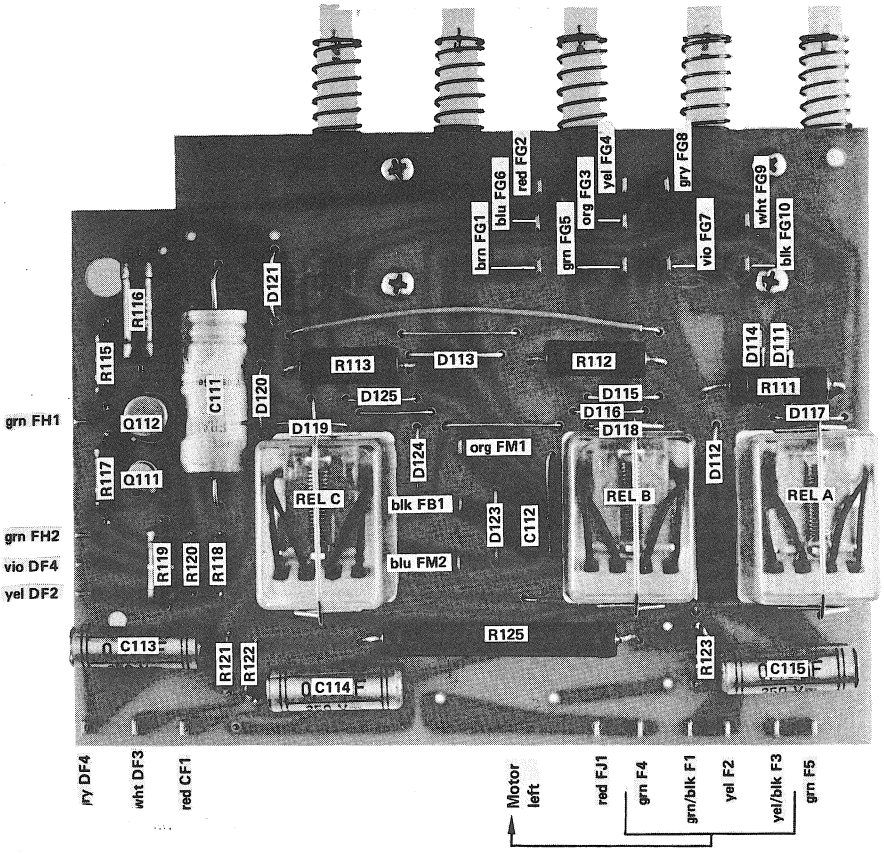
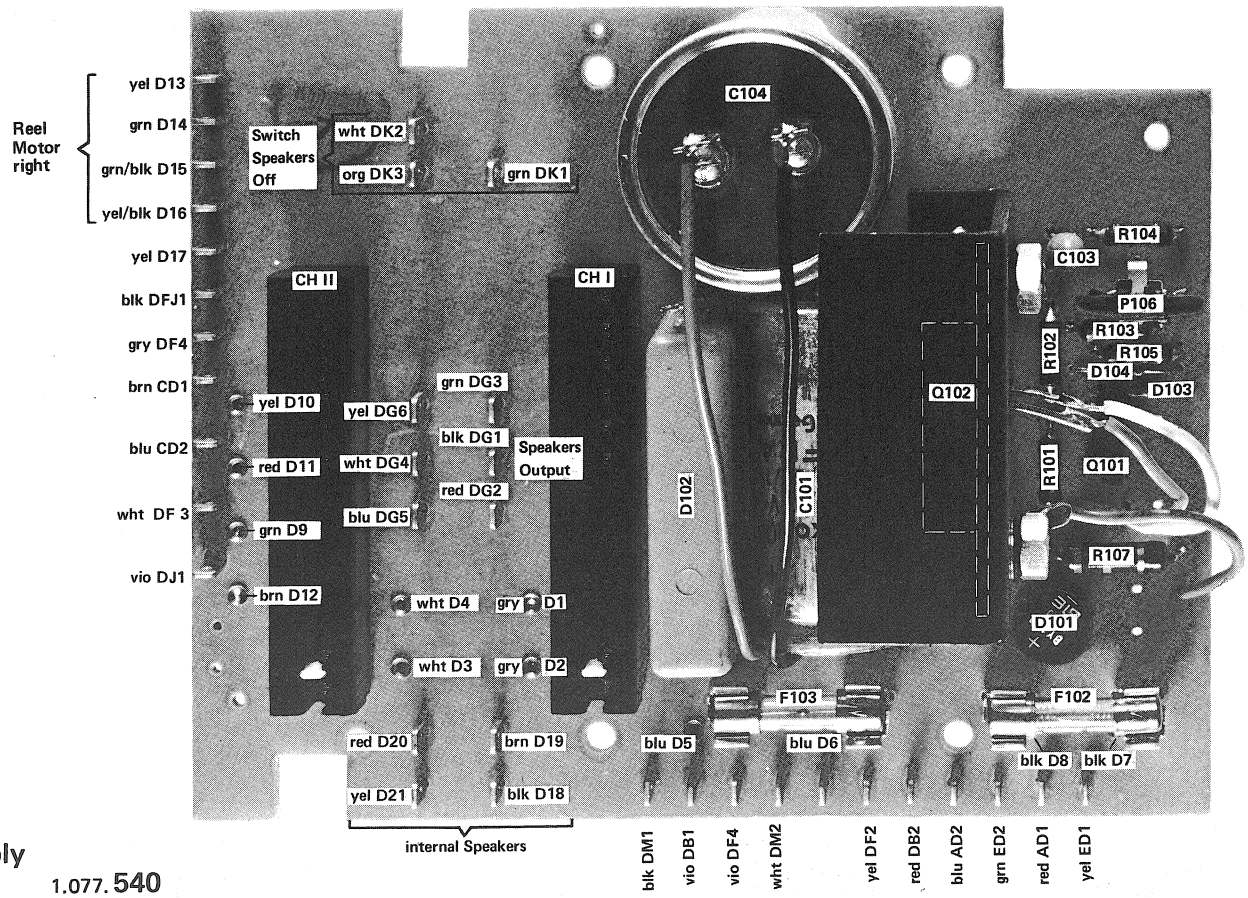
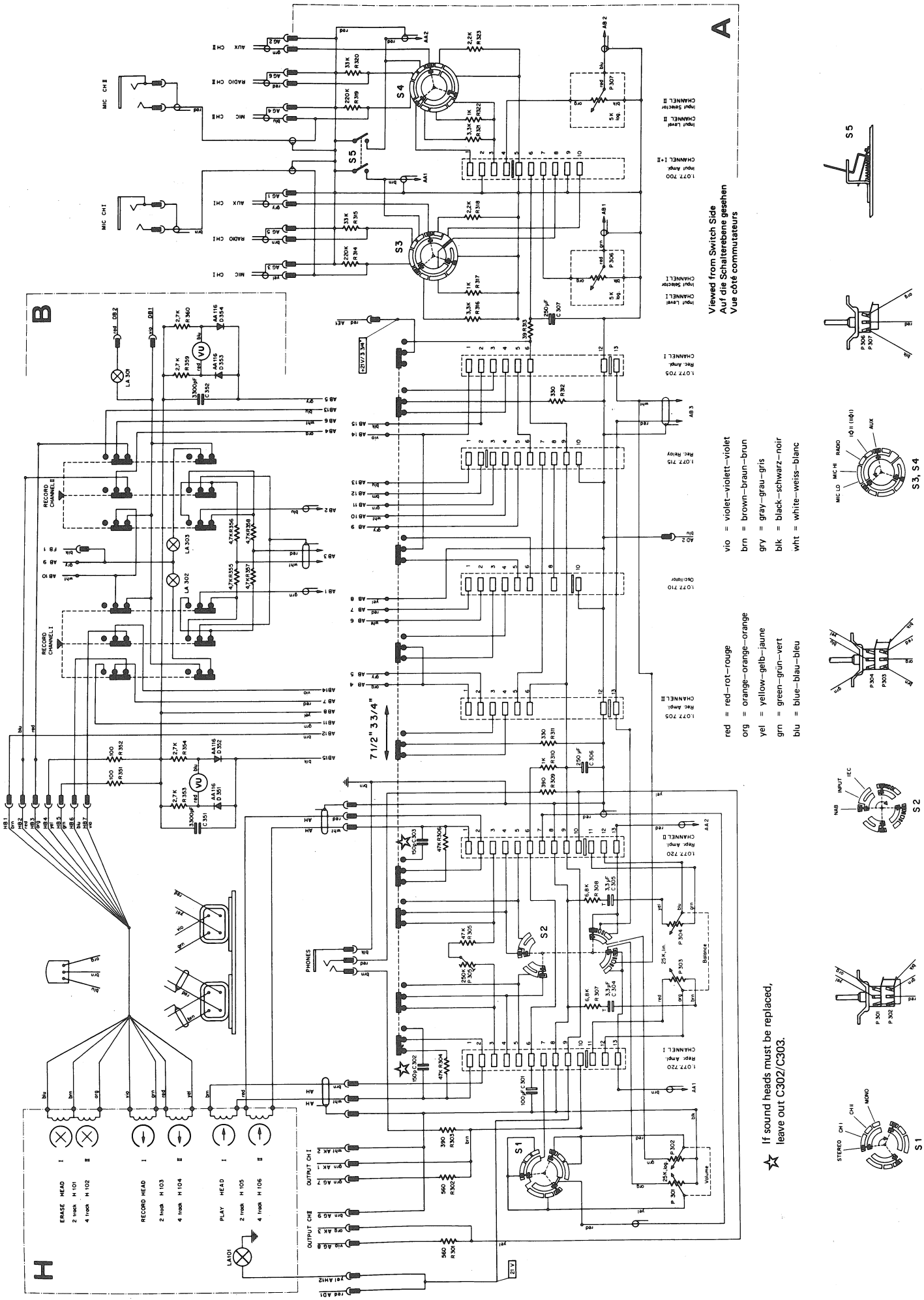

brn = brown–braun–brun
gry = gray–grau–gris
blk = black–schwarz–noir
wht = white–weiss–blanc
red = red–rot–rouge
org = orange–orange–orange
yel = yellow–gelb–jaune
grn = green–grün–vert
blu = blue–blau–bleu
vio = violet–violett–violet
1.077.540
1.077.370
1.077.525
1.077.725
Tape Drive
Laufwerk
Mécanisme
1.077.100
Positions
Positionen
C,D,F,G,J,K



Tape Drive Control
Laufwerksteuerung 1.077.370
Commande du mécanisme



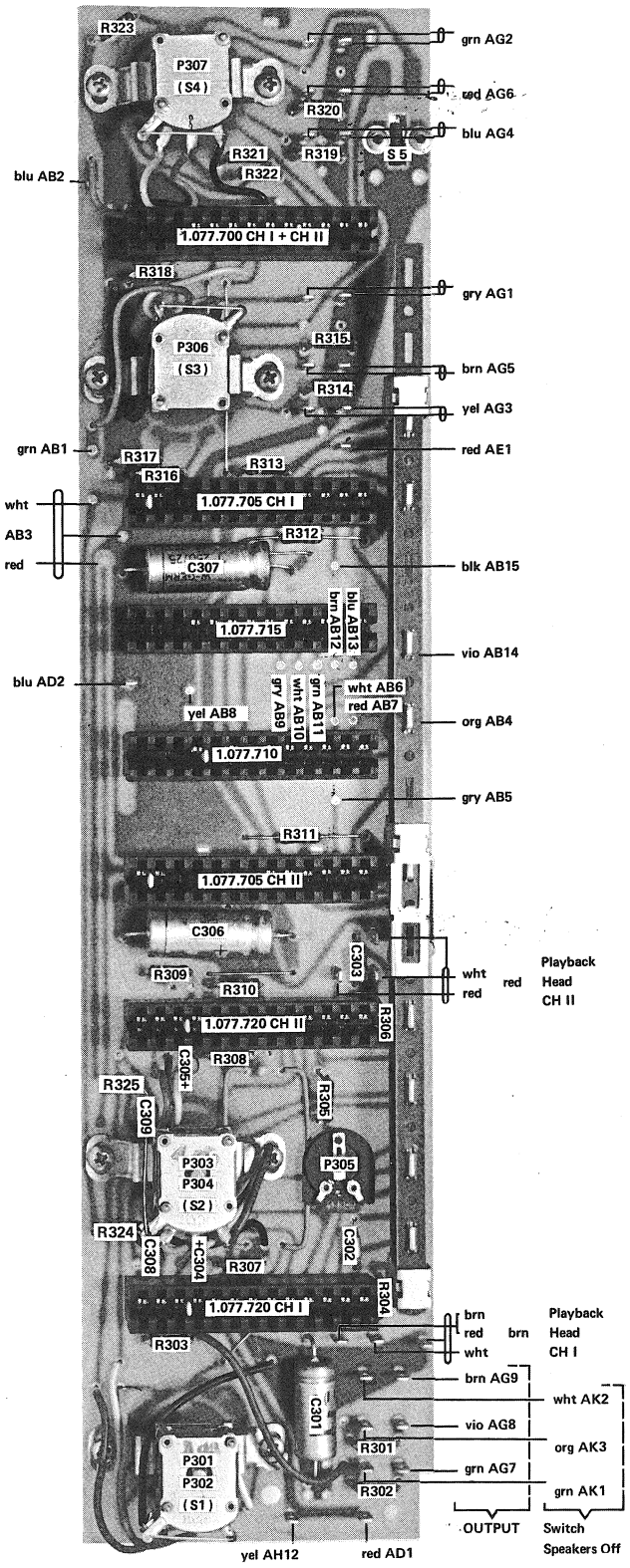
Power Supply
Netzteil 1.077.540
Alimentation



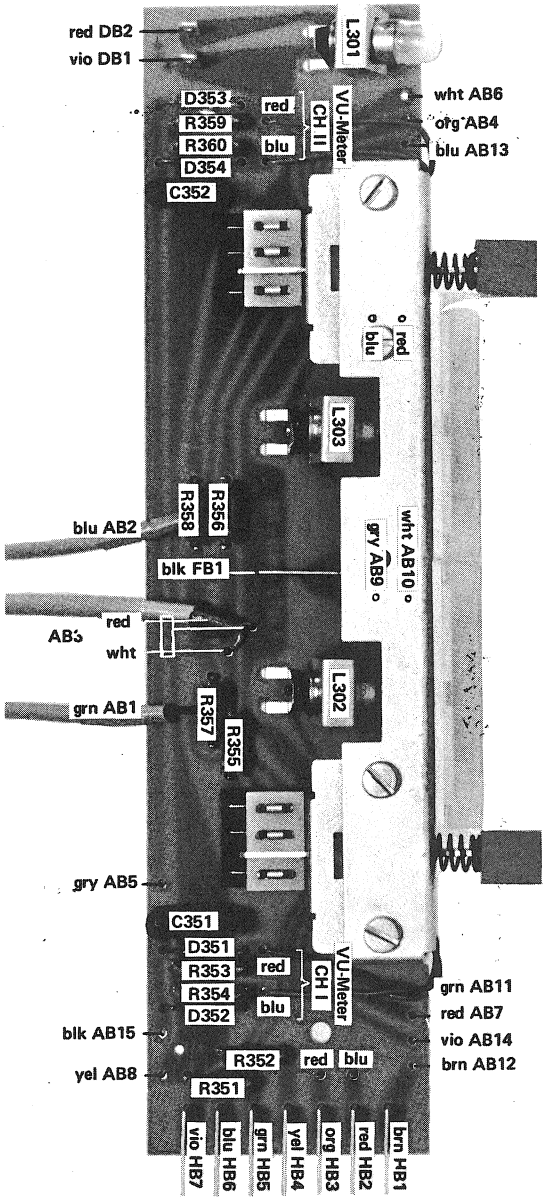
Positions
Positionen A,B,H

Switch Board
Schalterprint
Plaquette des commutateurs
1.077.435

VU - Meter Board
VU - Meterprint
Plaquette des VU - mètres
1.077.480



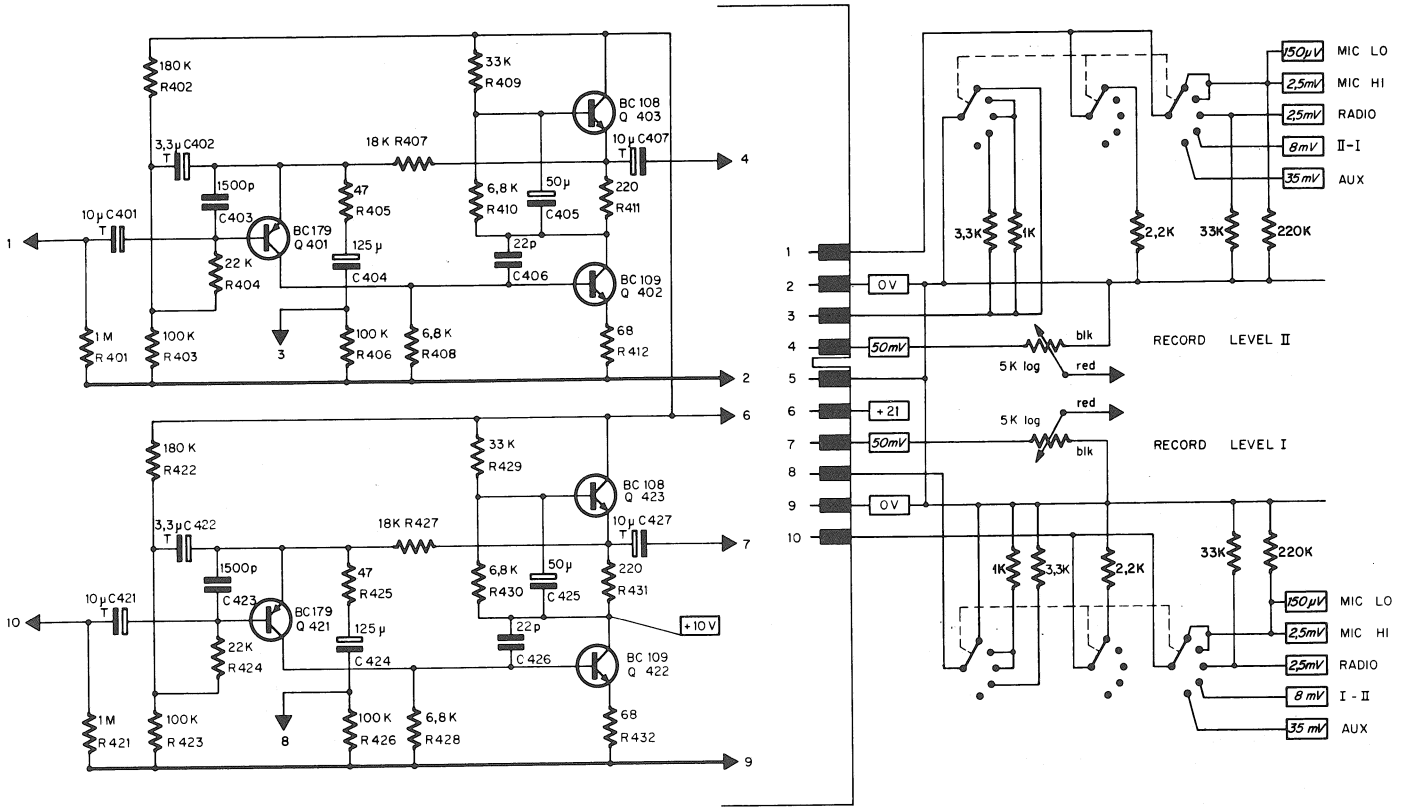
Switch Board
Schalterprint 1.077. 435
Plaquette des commutateurs

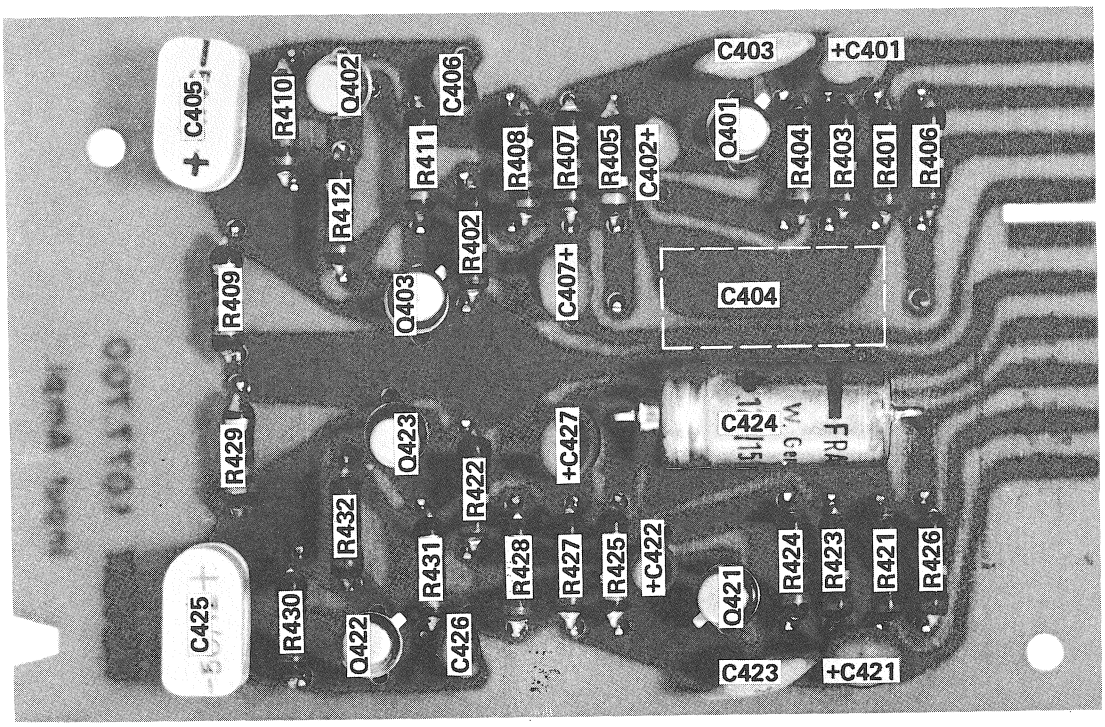


VU - Meter Board
VU - Meterprint 1.077.480
Plaquette des VU - mètres

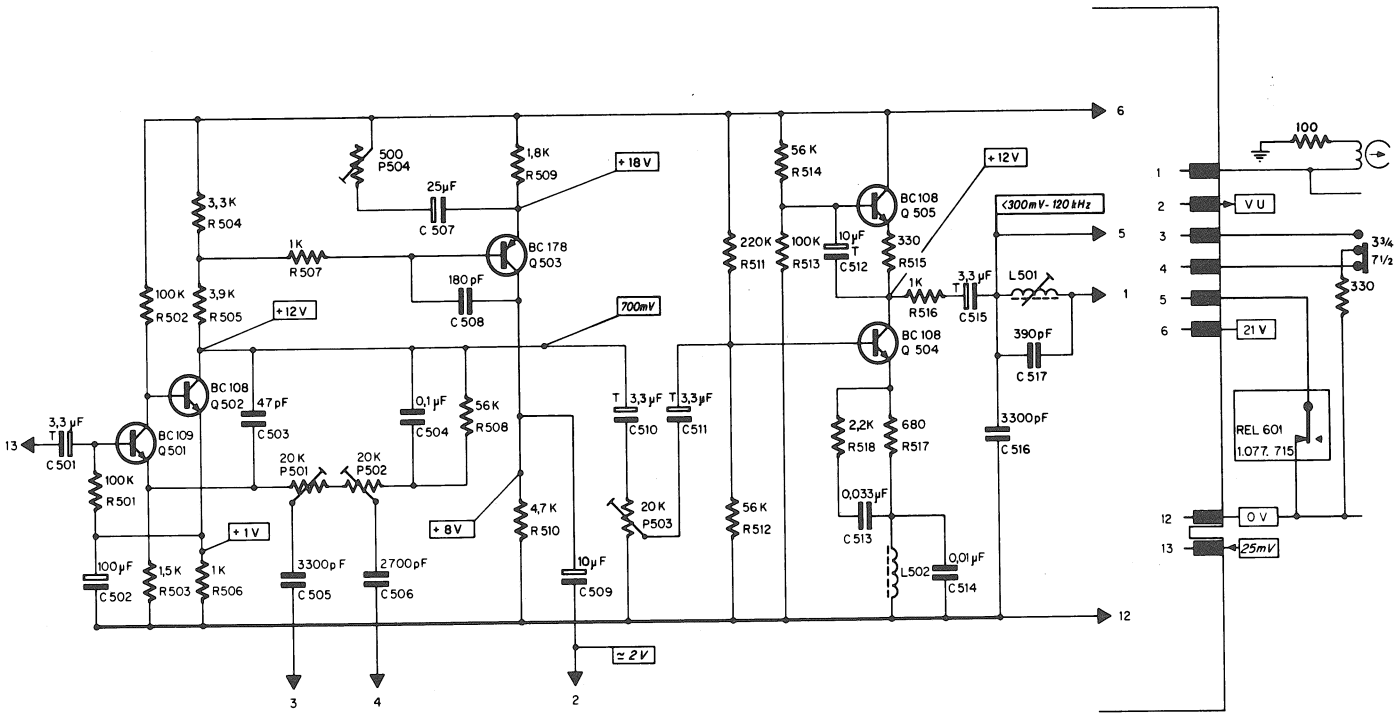
Color Code Farbcode Code des couleurs

red = red—rot—rouge
org = orange—orange—orange
yel = yellow—gelb—jaune
grn = green—grün—vert
blu = blue—blau—bleu
vio = violet—violett—violet
brn = brown—braun—brun
gry = gray—grau—gris
blk = black—schwarz—noir
wht = white—weiss—blanc

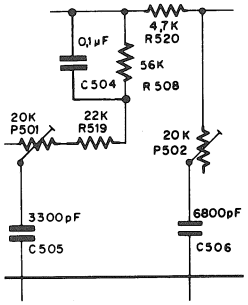




Input Amplifier
Eingangsverstärker 1.077.700
Amplificateur d'entrée

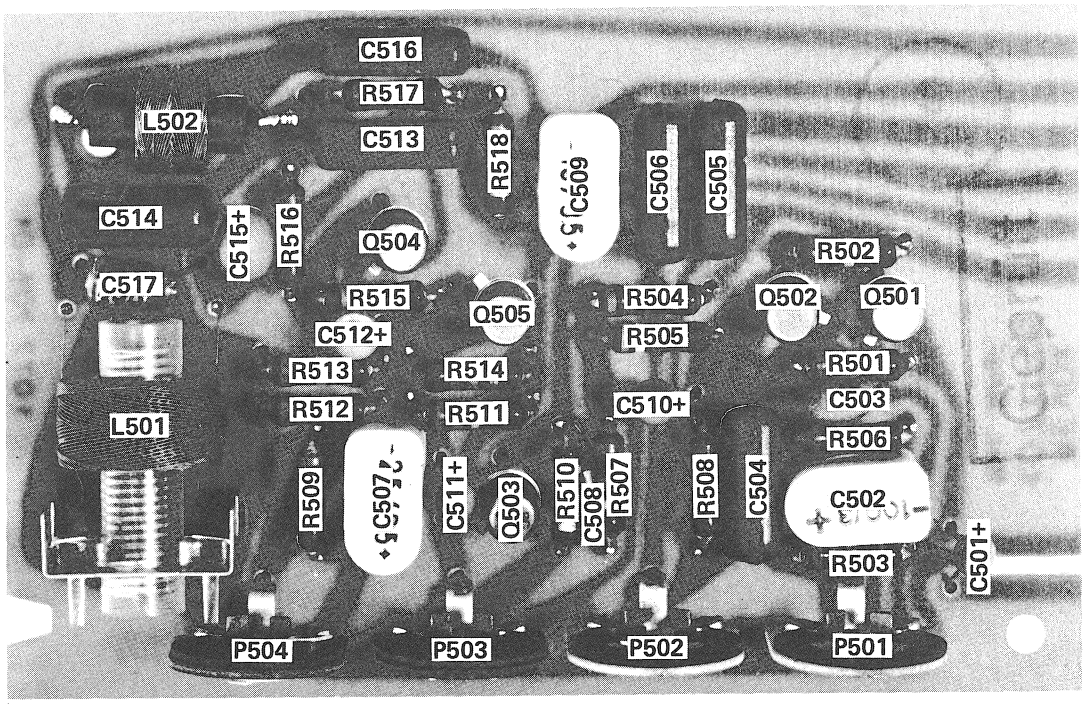


Equalization NAB 7 1/2–15 " (1.077.782)



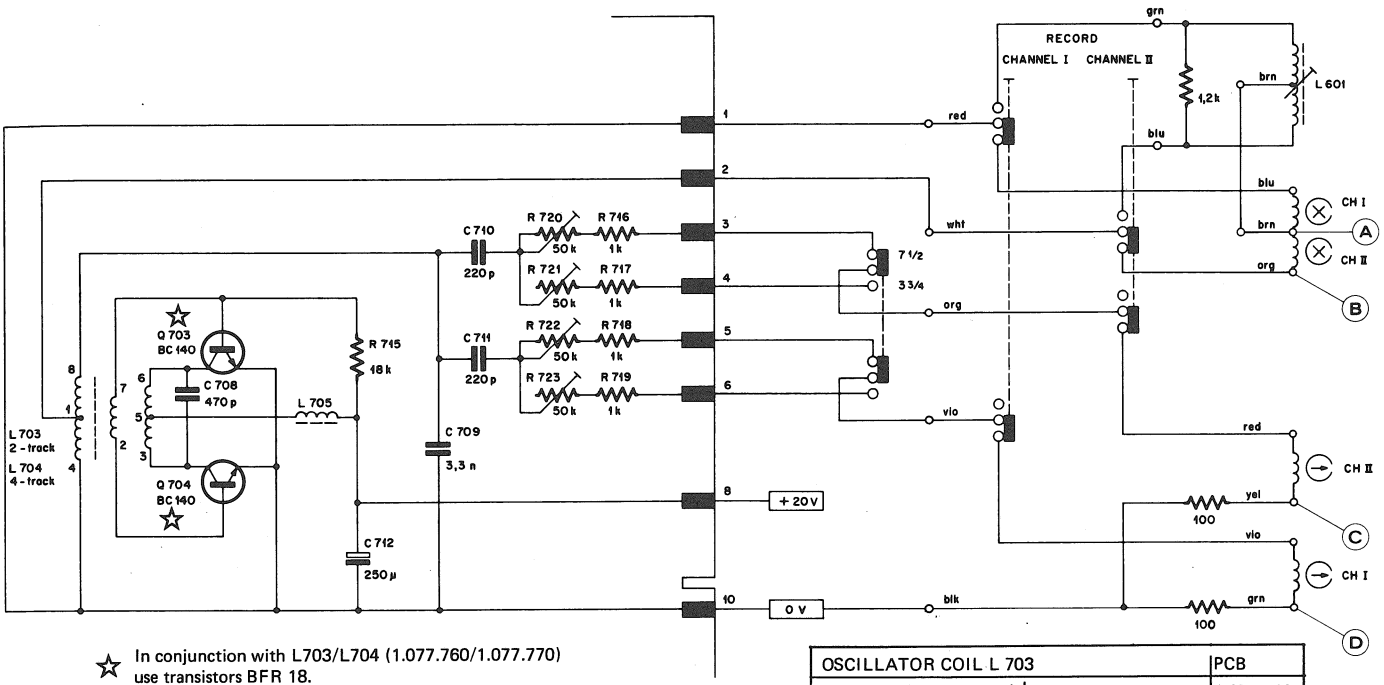
Equalization IEC 7 1/2–15 " (1.077.780)

- R502 change to 150 k
- C504/R508 repalced by wire bridge
- R518 removed



Record Amplifier
Aufnahmeverstärker
Amplificateur d'enregistrement

1.077. 705



☆ In conjunction with L703/L704 (1.077.760/1.077.770) use transistors BFR 18.

Test points Messpunkte Points de mesure	2 - Track 2 - Spur 2 pistes	4 - Track 4 - Spur 4 pistes
Ⓐ	approx. 22V/120 kHz	approx. 18V/120 kHz
Ⓑ	approx. 44V/120 kHz	approx. 36V/120 kHz
Ⓒ + Ⓓ	500 mV/120 kHz 50 mV/ 1 kHz*	400 mV/120 kHz 40 mV/ 1 kHz*

OSCILLATOR COIL L 703		PCB
1.022.110 (older version)	no indication	1.077.710
1.077.760	red point on surface	1.077.712
OSCILLATOR COIL L 704		**PCB**
1.022.112 (older version)	black line on surface	1.077.730
1.077.770	yelou point on surface	1.077.731

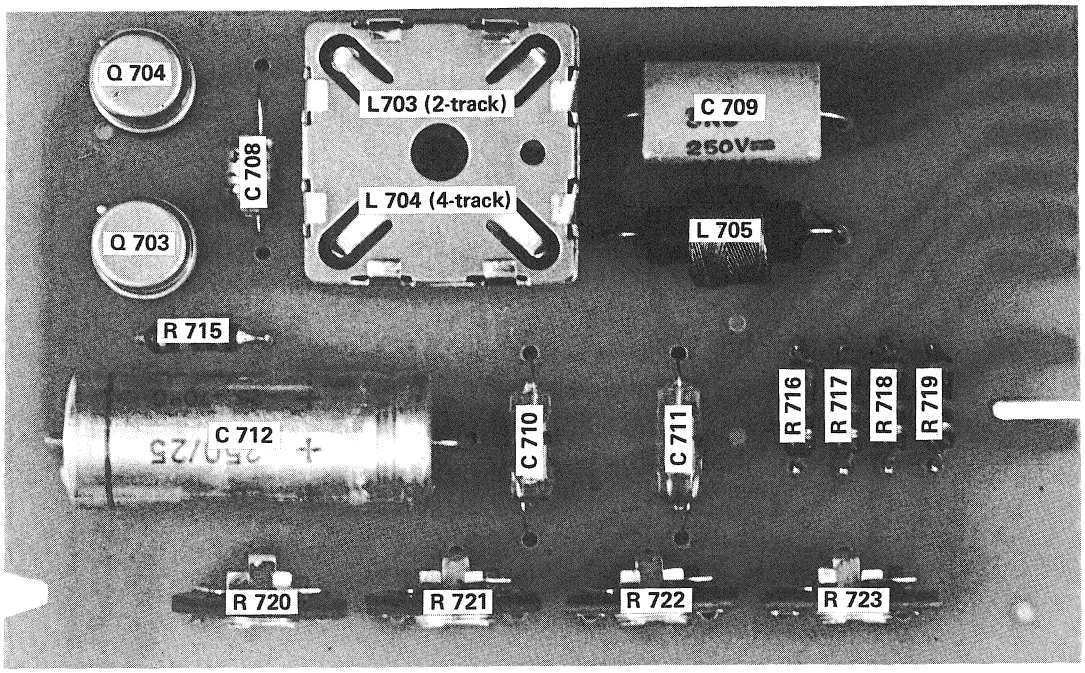
Position " Record - Stereo ", voltages measured against ground (0V)
Position " Aufnahme Stereo", Spannungen gemessen gegen Masse (0V)
Position " enregistrement stéréo ", tensions par rapport à la masse (0V)

* AF - Test (oscillator pulled out), full modulation
* NF - Messung (Oszillator herausgezogen), Vollaussteuerung
* Mesure BF (oscillateur retiré), modulation à 0 dB

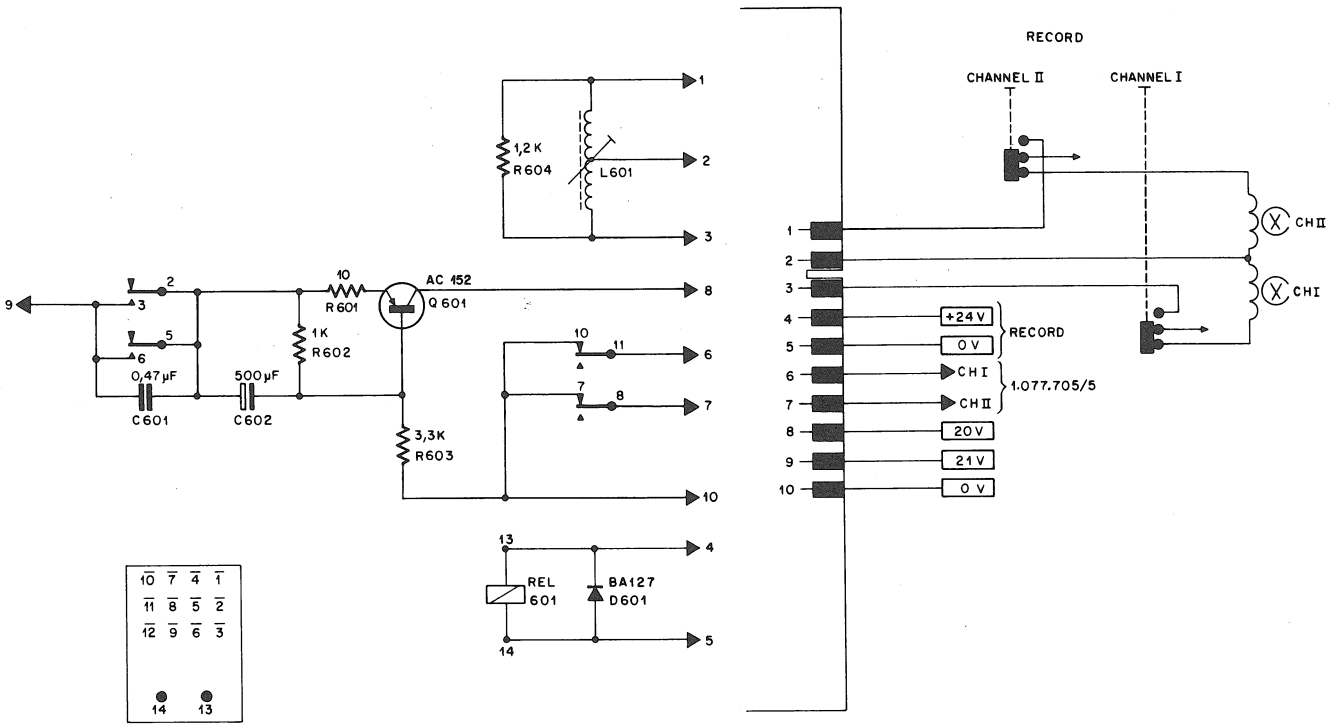
Test values Ⓒ and Ⓓ depend on type and speed of tape; they are to be considered nominal.

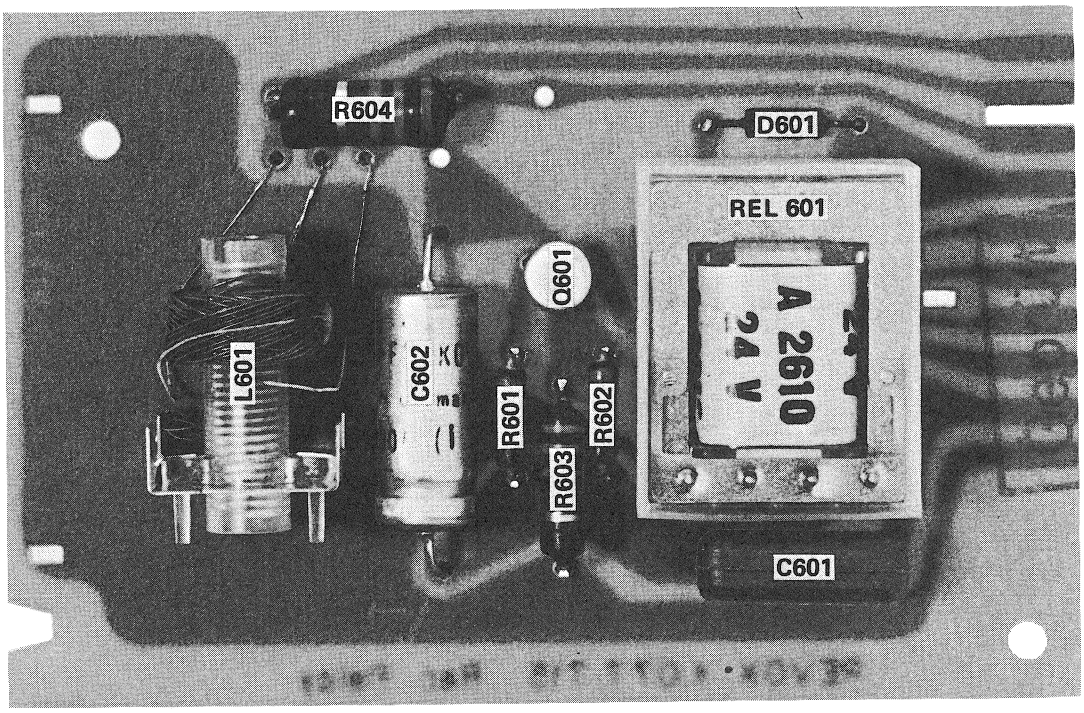
Die Messwerte Ⓒ und Ⓓ sind von der Bandsorte und der Bandgeschwindigkeit abhängig und sind deshalb als Richtwerte zu betrachten.

Les tensions aux points Ⓒ et Ⓓ diffèrent suivant le type et la vitesse de la bande; les valeurs indiquées sont nominales.

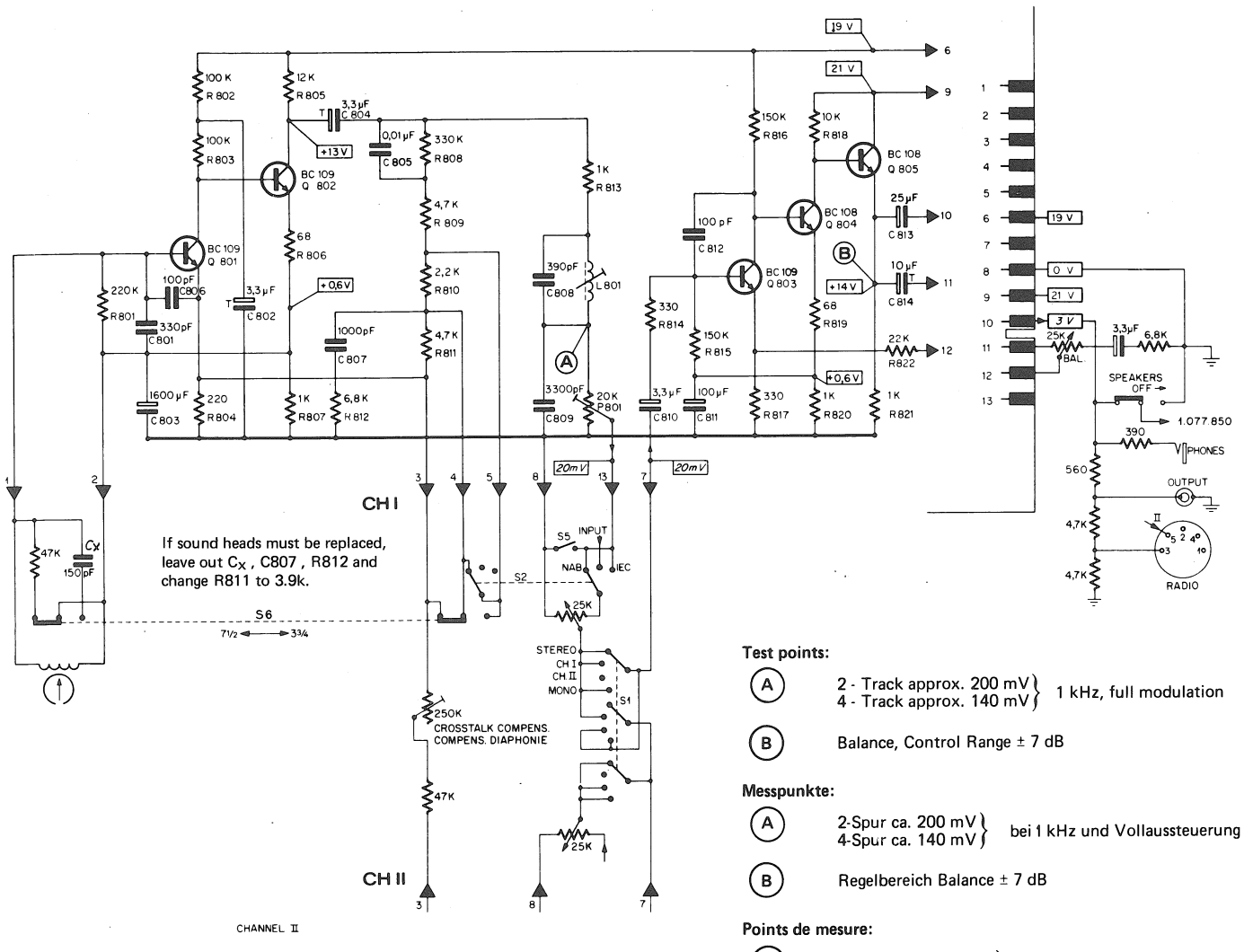


Oscillator
Oszillator 1.077.712
Oscillateur





Record Relay
Aufnahmerelais 1.077.715
Relais d'enregistrement



Test points:

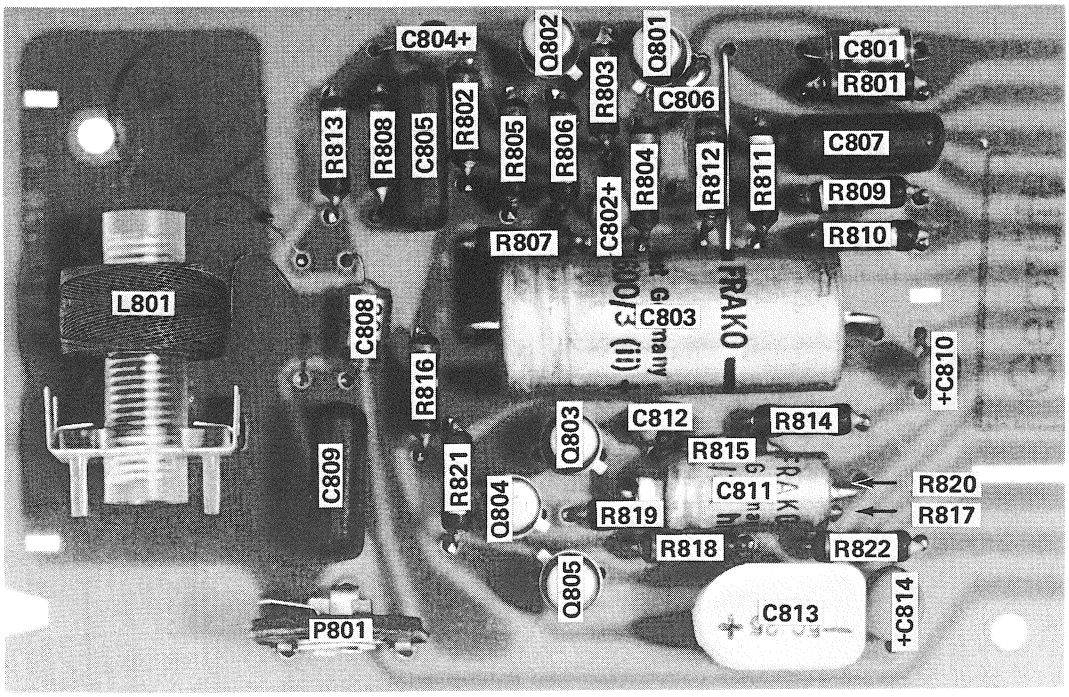
- (A) 2 - Track approx. 200 mV / 4 - Track approx. 140 mV } 1 kHz, full modulation
- (B) Balance, Control Range ± 7 dB

Messpunkte:

- (A) 2-Spur ca. 200 mV / 4-Spur ca. 140 mV } bei 1 kHz und Vollaussteuerung
- (B) Regelbereich Balance ± 7 dB

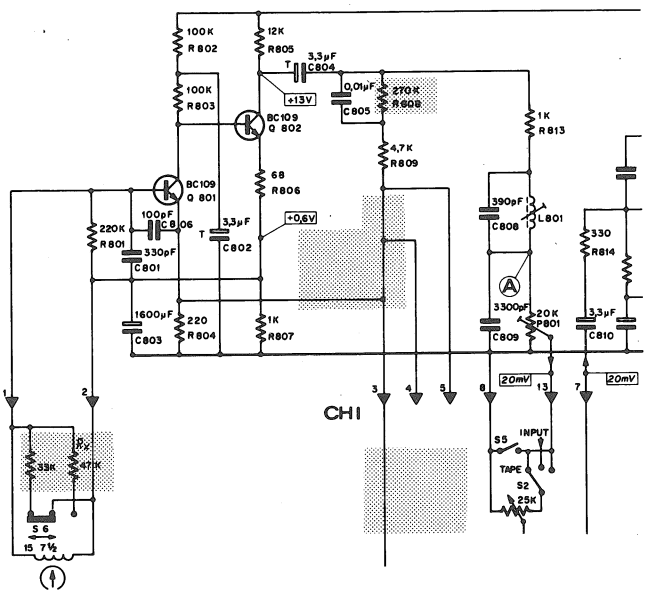
Points de mesure:

- (A) 2 pistes env. 200 mV / 4 pistes env. 140 mV } à 1 kHz et modulation à 0 dB
- (B) plage de réglage de la balance ± 7 dB

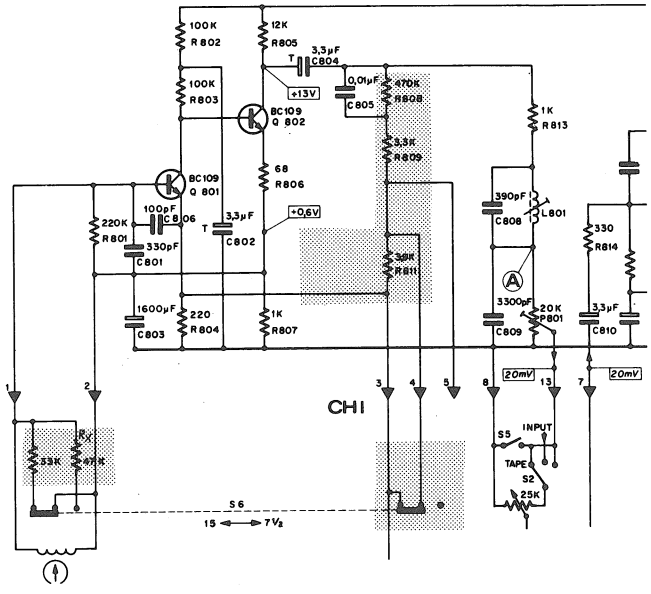


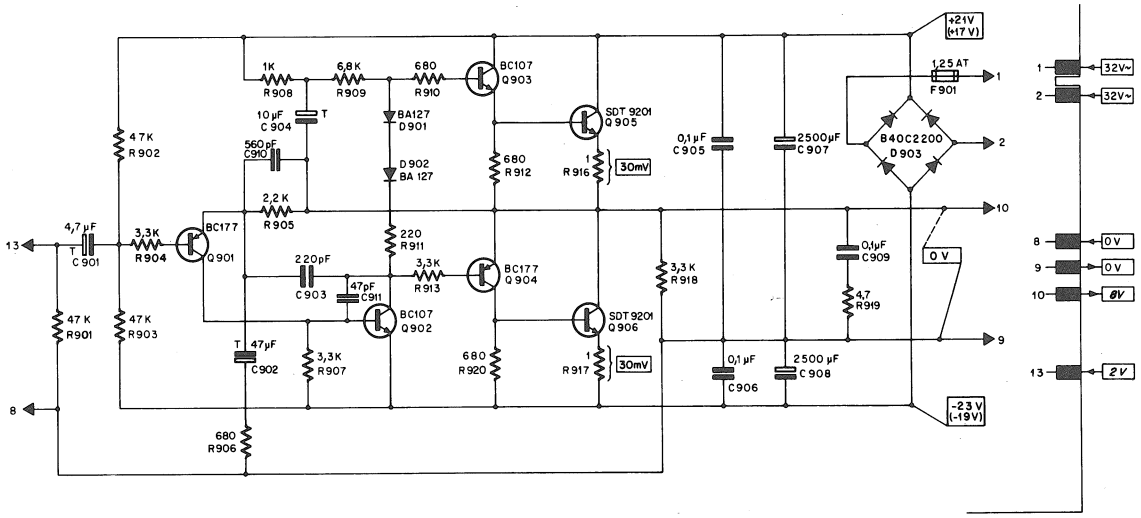
Playback Amplifier
Wiedergabeverstärker 1.077.720
Amplificateur de lecture

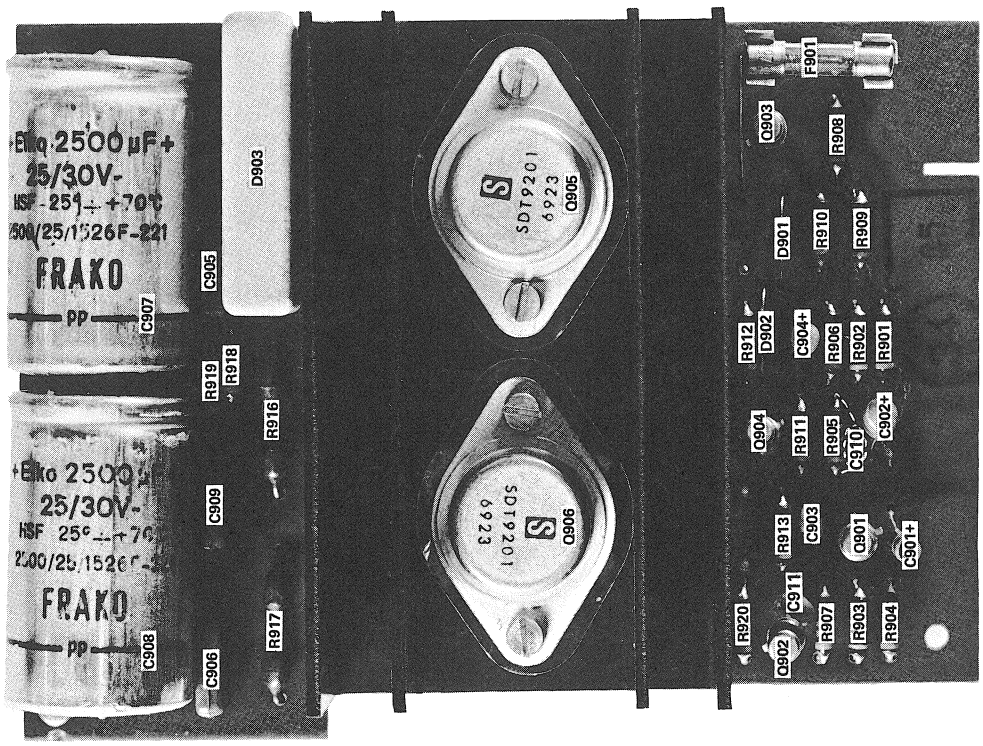
Equalization NAB 7 1/2–15 " (1.077.787)



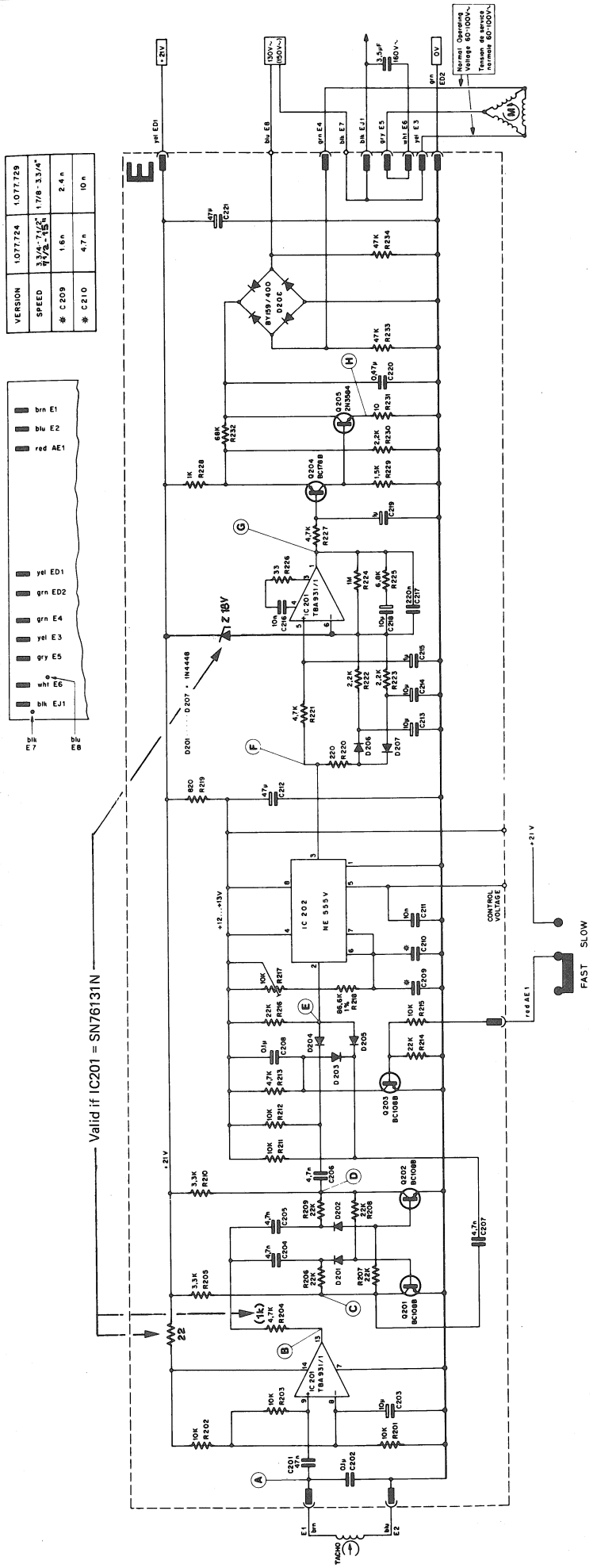
Equalization IEC 7 1/2–15 " (1.077.785)





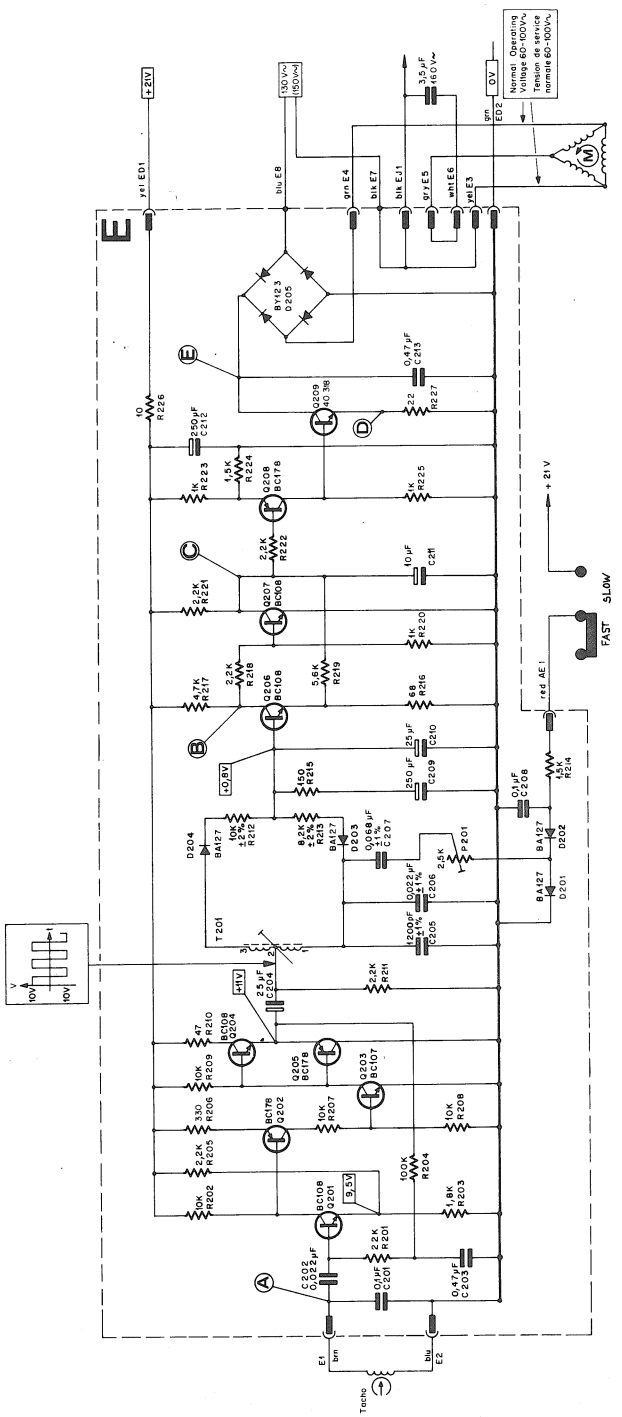


Loudspeaker Amplifier
Lautsprecherverstärker 1.077. **850**
Amplificateur de haut - parleur



Position E

Speed Control 1.077. 724



Speed Control 1.077. 725