

NOKIA GRAETZ GmbH
Service
D-7530 Pforzheim

Service-Manual

ITT NOKIA

STEREO COLOR 70 Ident-No. 5436 09 00
STEREO COLOR 2560 Ident-No. 5435 14 20 / 5435 13 40
STEREO COLOR 2860 Ident-No. 5435 15 10 / 5435 14 40
STEREO COLOR 3489 Ident-No. 5435 98 60
DIGIVISION 3489/3498 I Ident-No. 5435 99 10 / 5435 99 20 / 5435 48 60
STEREO COLOR 3569
 Ident-No. 5435 68 30 / 5435 68 50 / 5435 45 20 / 5435 45 30
STEREO COLOR 3869
 Ident-No. 5435 45 40 / 5435 45 60 / 5435 48 20 / 5435 48 40 / 5435 99 20
DIGIVISION 5550 Ident-No. 5436 70 00 / 5436 83 60
STEREO COLOR 5568 VT Ident-No. 5439 68 21
DIGIVISION 6350 VT Ident-No. 5436 85 10
DIGIVISION 6360
 Ident-No. 5435 68 30 / 5435 68 50 / 5435 45 20 / 5435 45 30 / 5430 93 60
DIGIVISION 6380 Ident-No. 5436 69 80 / 5436 83 80
STEREO COLOR 6387 Ident-No. 5436 36 00 / 5436 36 20
DIGIVISION 7160
 Ident-No. 5435 45 40 / 5435 45 60 / 5435 48 20 / 5435 48 40 / 5430 93 70
DIGIVISION 8588 I Ident-No. 5436 16 50

Graetz

KONGRESS STEREO 4489/4489 I Ident-No. 5437 18 60 / 5437 23 00
21 D 70 Ident-No. 5437 39 10
25 D 70 Ident-No. 5437 39 90
28 D 80 Ident-No. 5437 43 10 / 5437 43 20 / 5437 43 40 / 5437 43 70
PRÄFEKT STEREO 4569 I Ident-No. 5430 96 00
EXZELLENZ STEREO 4869 I Ident-No. 5430 96 10

SCHAUB LORENZ

SOLITÄR T 881 VT Ident-No. 5435 91 90 / 5435 92 60

SALORA

21 D 70 VT Ident-No. 5130 59 20
25 D 70 Ident-No. 5137 40 50
28 D 70 Ident-No. 5137 40 60 / 5137 40 80
28 D 80 Ident-No. 5137 44 00 / 5137 45 80

ITT NOKIA

SFN 3578 UK* Ident-No. 5430 58 70
SFN 6380 UK* Ident-No. 5436 83 70
SFN 3878 UK* Ident-No. 5430 58 60
SFN 7180 UK* Ident-No. 5436 95 00

Zur Reparatur sind folgende Unterlagen erforderlich:
 For service, the following circuit documents are required:
 Per la riparazione sono necessari i seguenti documenti:

A19c

Chassis Compact D/2
 Netzteil, Ablenkung, Decoder
 Bildröhrenanschluß
 Power supply, deflection
 circuits, decoder, picture tube
 connecting
 Sezione di rete, deviazione
 uniforme del campo, decoder,
 collegamento cinescopio

Ersatzteile
Replacement parts
Ricambi

6611 79 57

B21c

HF-ZF Modul / RF-IF module
Modulo MF-BF
 5829 01 18, 5829 04 71,
 5829 04 18
STEREO-Modul / Bedienteil
STEREO module /
Operating unit
Modulo STEREO /
Elemento di comando
 6911 37 89 / 6911 20 89
NICAM 6911 16 07/08

Ersatzteile
Replacement parts
Ricambi

6611 79 58

C30c

IFB 473 / IFB 482 / IFB 485 /
IFB 570 R / IFB 573 / IFB 579
Anzeige + Tasten
Display + buttons
Indicazione + Tasti
IR-Sender
IR transmitter
Trasmettitore IR
IRS 2 / IRS FLOF / D 1 / D 2

Ersatzteile
Replacement parts
Ricambi

6611 79 59

D7a

Videotext-Decoder B-D/2
Decoder Televideo B-D/2
 6911 11 55

Ersatzteile / Replacement parts
Ricambi

6611 79 60

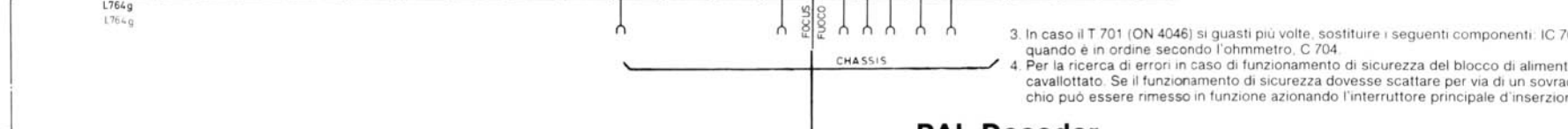
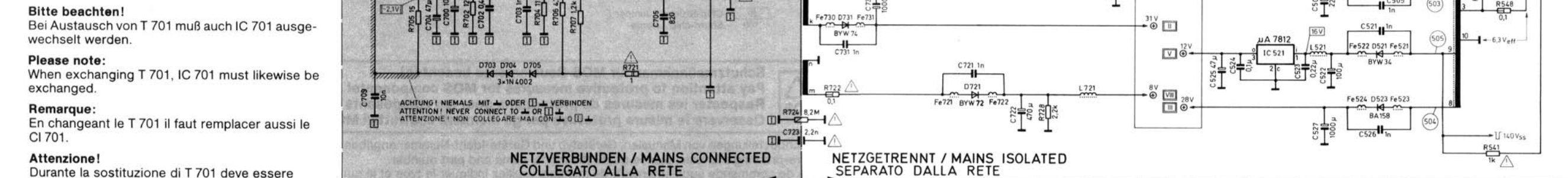
Bei Reparaturen gültige Sicherheitsvorschriften beachten!
 Service and repair work to be performed only in accordance with existing safety
 regulations.
 Osservare le norme di sicurezza vigenti in caso di riparazioni.

Eine Kurzbedienungsanleitung finden Sie auf dem Manualblatt **C 30c**.
 You will find a short set of operating instructions on the manual sheet **C 30c**.
 Brevi istruzioni per l'uso si trovano sul foglio **C 30c** del manuale.

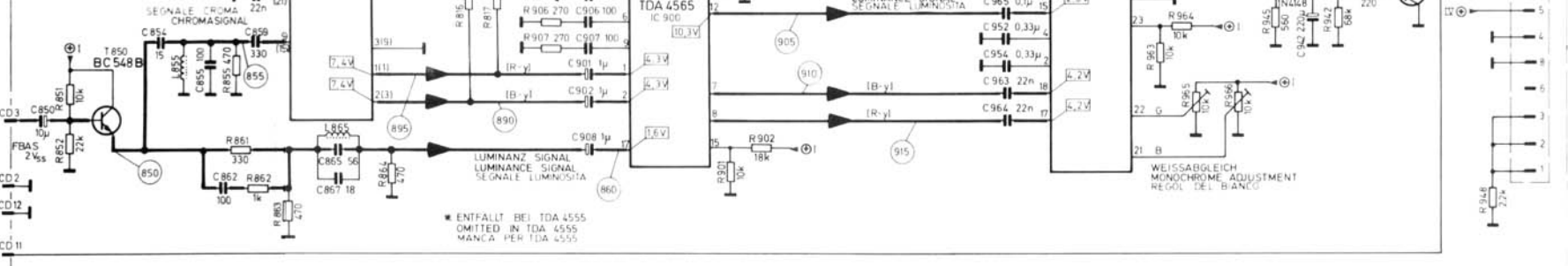
* SL Consumer Electronic (UK) Ltd.
 Paycocke Road, Basildon, Essex, 5514 3 DR
 Basildon 27788 Code 0268

Bei Nachbestellungen von Manualen, Gerätetyp und Geräte-Ident-Nummer angeben.
 When re-ordering manuals, please quote the model name and part number.
 Per riordinare i manuali, indicare il modello dell'apparecchio ed il numero categorico.

6611 80 97 (192) S



6911 30 26



Repair tips

With the switched, power stage T 701 (base open), the power supply is capable of oscillation at 146 kHz. This frequency is determined in this case by the IC 601, which is not connected to ground in other words, the power supply is not synchronised.

Rectangular pulses with approx. 146 kHz are measurable at pin 14 (IC 701).

The IC 601 operates in so-called interrupt mode, i.e. the pulse voltage at pin 14 is interrupted for approx. 200 ms.

N.B.! If the switching stage is disconnected, the electrolytic capacitor C 658 must be discharged prior to the connection of the test equipment.

With disconnected horizontal output stage (e.g. terminal A 7: 501 open) and a replacement load at the cathode of D 733 (60 watt lamp), the power supply delivers approx. 110 V (Compact Di. ca. 80 V (Monoprint Di. ca. 100 V)).

When the horizontal output stage is disconnected, the horizontal output stage must be replaced (e.g. D 733 to D 735) if these are OK according to the ohmmeter, and C 704.

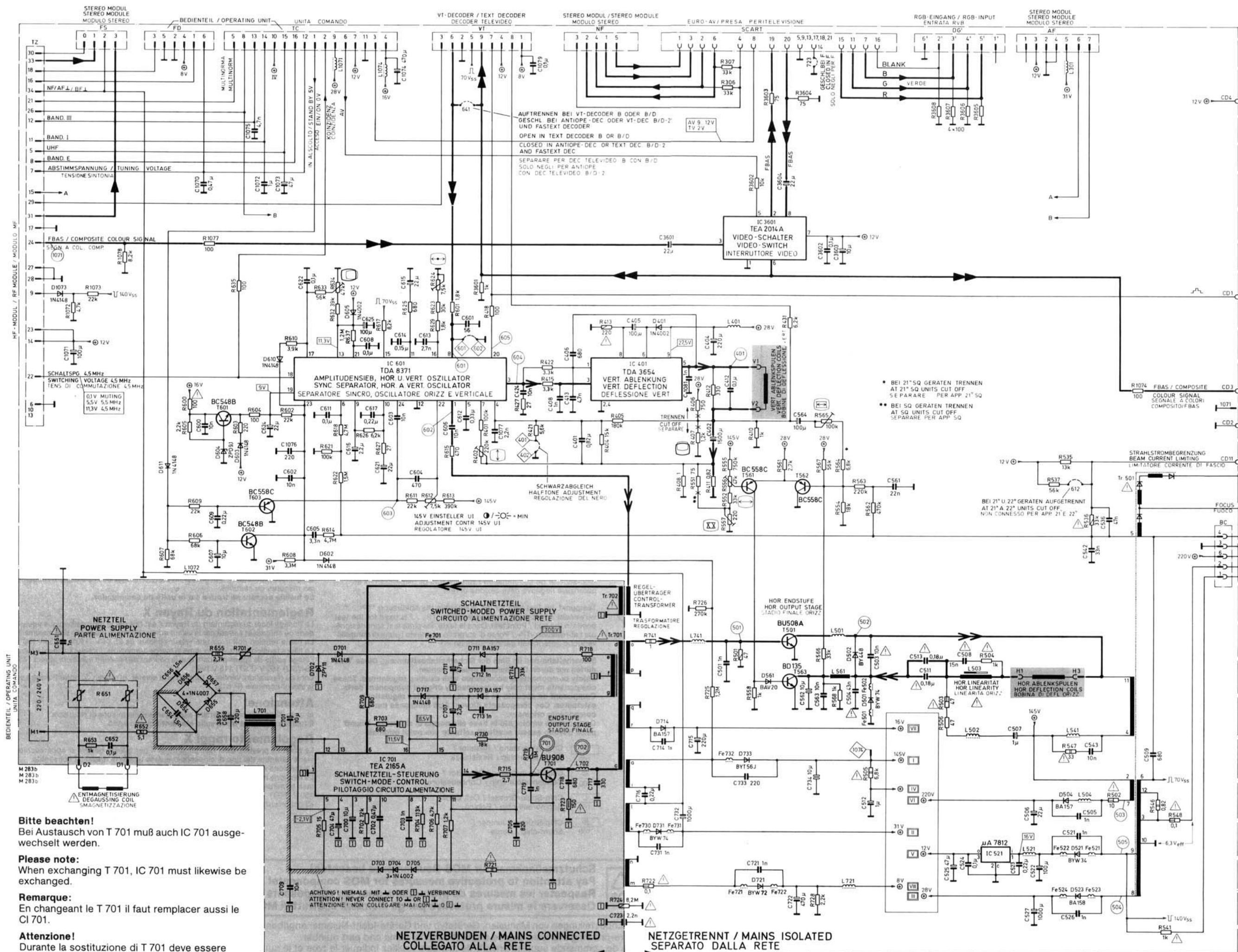
For servicing the set under operating conditions when the electronic fuse has activated, can be connected to the mains supply. The electronic fuse will reset after a momentary overload, the appliance can be re-started by switching the mains switch off and then on again.

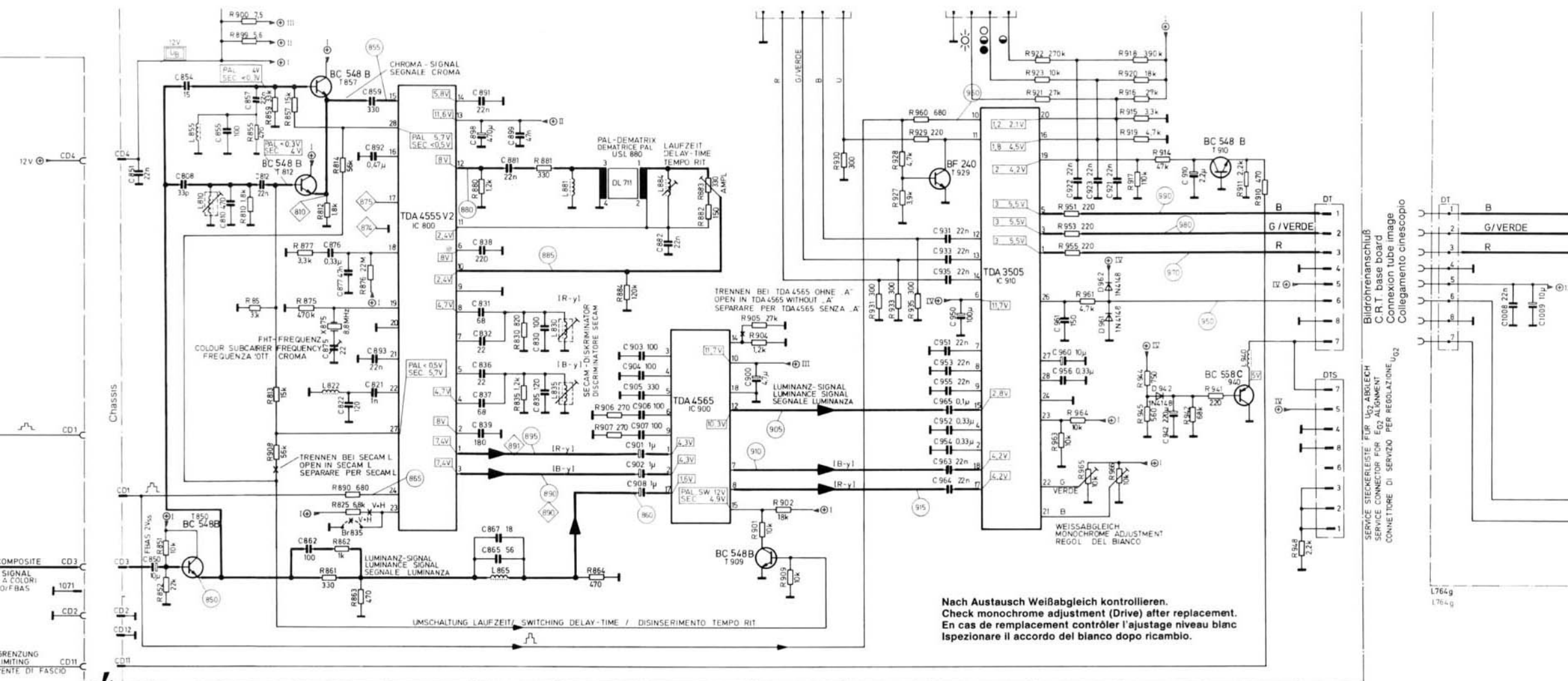
[illegible]

Attenzione: questo elemento di alimentazione può oscillare grazie al grado di commutazione separato I7701 (base aperta) e I7702 (base chiusa). Non possono essere usati separatamente. La tensione di alimentazione è quindi non è in funzione, ciò significa che l'elemento di alimentazione non è sincronizzato Al/Pn 14 (IC701) si possono misurare impulsi rettangolari con circa 14 kV Hz. L'IC funziona però nel cosiddetto funzionamento interrotto, cioè la tensione degli impulsi al Pn 14 viene ridotta a circa il 20%.

Attenzione: in caso di grado di commutazione separato: scaricare il condensatore elettrolitico C 658 prima del collegamento.

Con un grado finale non polarizzato separato (ip. collegamento 4 Tr. 501 aperto) e un campo di emergenza totale da 2733 (lampada da 60 W), l'elemento di alimentazione fornisce una corrente di carica di ca. 80 mA (Monoprint B).





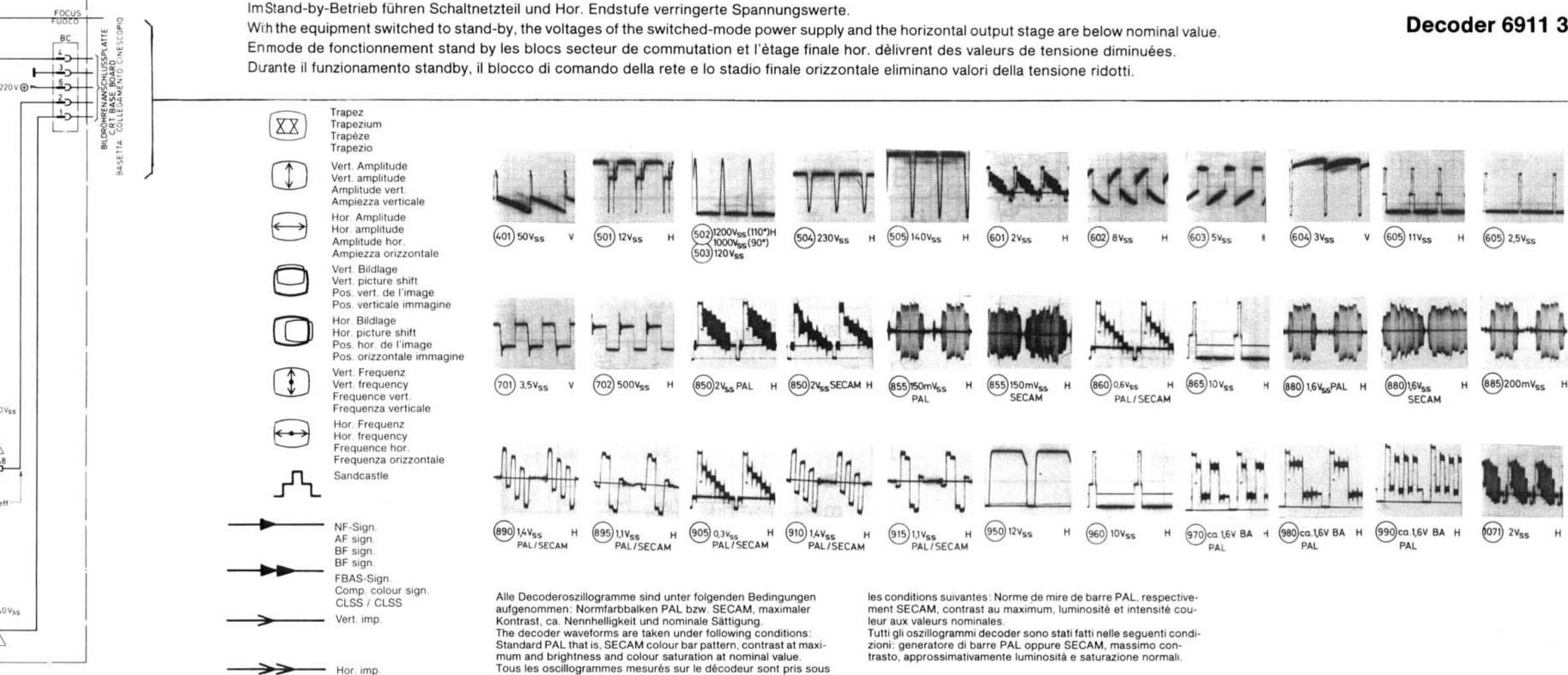
Im Stand-by-Betrieb führen Schaltnetzteil und Hor. Endstufe verringerte Spannungswerte.

With the equipment switched to stand-by, the voltages of the switched-mode power supply and the horizontal output stage are below nominal value.

En mode de fonctionnement stand by les blocs secteur de commutation et l'étage final hor. délivrent des valeurs de tension diminuées.

Durante il funzionamento standby, il blocco di comando della rete e lo stadio finale orizzontale eliminano valori della tensione ridotti.

Decoder 6911 30 28,



Alle Decoderszilloskopie sind unter folgenden Bedingungen aufgenommen: Normfarbbalken PAL bzw. SECAM, maximaler Kontrast, ca. Nennhelligkeit und nominale Sättigung. The decoder waveforms are taken under following conditions: Standard PAL that is, SECAM colour bar pattern, contrast at maximum and brightness and colour saturation at nominal value. Tous les oscillogrammes mesurés sur le décodeur sont pris sous

les conditions suivantes: Norme de mire de barre PAL, respectivement SECAM, contrast au maximum, luminosité et intensité couleur aux valeurs nominales. Tutti gli oscillogrammi decoder sono stati fatti nelle seguenti condizioni: generatore di barre PAL oppure SECAM, massimo contrasto, approssimativamente luminosità e saturazione normali.

Achtung! Bei Ausdrucken der Decoderwellenformen sind die folgenden Bedingungen zu beachten: Normfarbbalken PAL bzw. SECAM, maximaler Kontrast, ca. Nennhelligkeit und nominale Sättigung.

Importante! Following the decoder waveforms are taken under the following conditions: Standard PAL that is, SECAM colour bar pattern, contrast at maximum and brightness and colour saturation at nominal value.

Attenzione! In caso di stampa delle onde dei decoder, si devono osservare le seguenti condizioni: generatore di barre PAL oppure SECAM, massimo contrasto, approssimativamente luminosità e saturazione normali.

Attenzione! In caso di stampa delle onde dei decoder, si devono osservare le seguenti condizioni: generatore di barre PAL oppure SECAM, massimo contrasto, approssimativamente luminosità e saturazione normali.

1 30 28, 6911 30 29 → TV 34b

Achtung!

Bei Austausch oder Reparatur des Farbdecoders ist vor dem Einschalten des Gerätes unbedingt darauf zu achten, daß die zusätzliche Masseverbindung der Bildrohrenanschlusplatte hergestellt ist.

Important:

Following exchange or repair of the colour decoder ensure that the additional earth connection c.r.t. board has been re-established before switching on the set

Attention!

Avant le démarrage de l'appareil, en cas de remplacement ou réparation d'un décodeur, il faut contrôler que la masse supplémentaire de la platine du tube cathodique soit bien présente

Attenzione!

In caso di sostituzione o riparazione del decodificatore di colore bisogna assolutamente fare attenzione, prima di accendere l'apparecchio, che sia garantito il collegamento a massa chassis - circuito stampato di collegamento di cinescopio

Belastbarkeit der Widerstände

Power rating of resistors

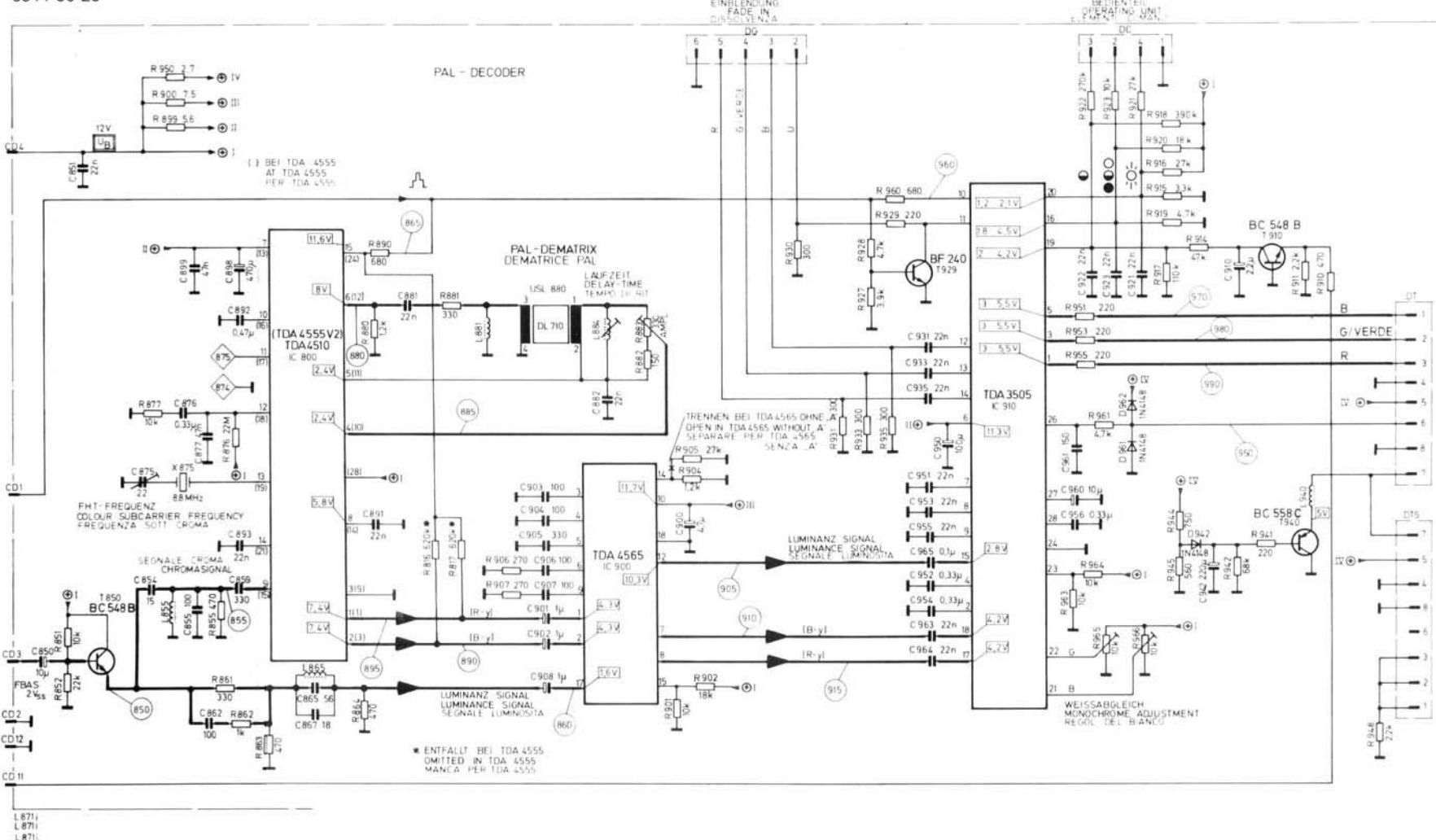
Wattage des résistances

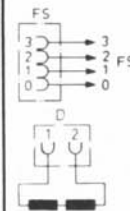
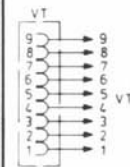
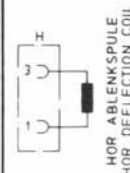
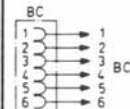
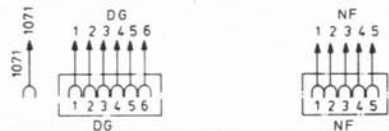
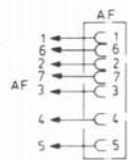
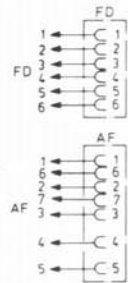
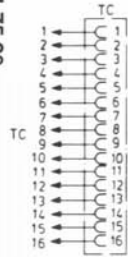
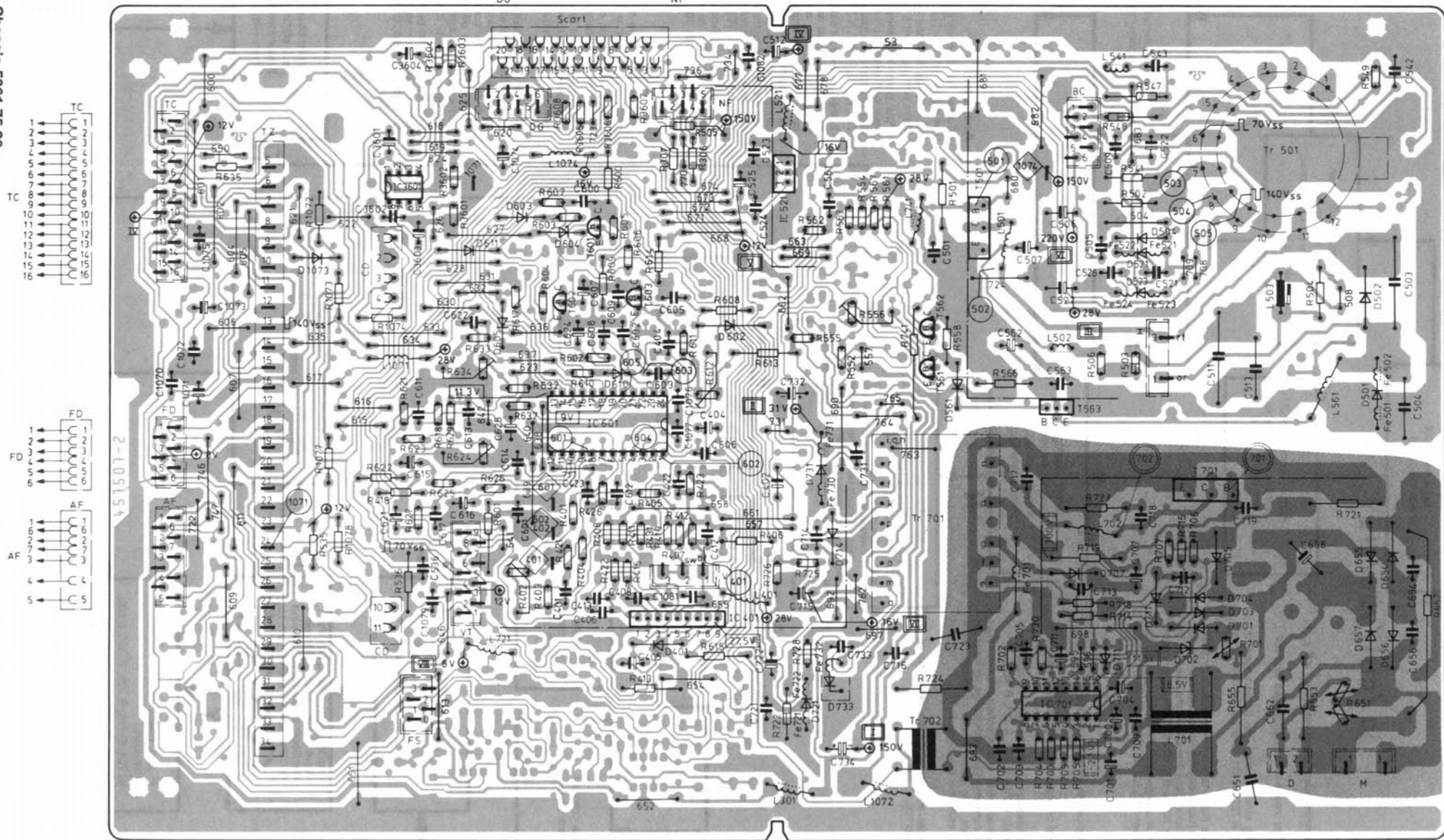
Carico ammissibile per le resistenze

	1/8W		4W
	1/3W		5W
	1/2W		7W
	1W		9W
	2W		11W
	3W		17W

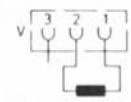
PAL Decoder

6911 30 26





ENTMAGNETISIER
DEGAUSSING CO
SMAGNETIZZAZIO



VERT ABLENSPULE
VERT DEFLECTION COIL
BOBINA DEFLESSIONE VERT

2-105154

M426
M424