

CIRCUIT DIAGRAM

CIRCUITO ELETTRICO

LUXOR

LUXOR

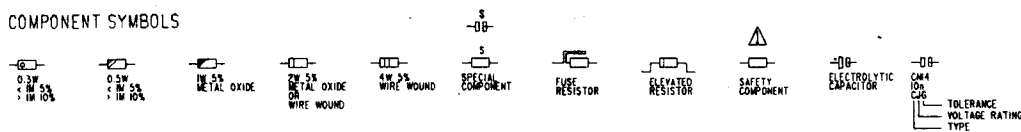
8410

11707

CTV CHASSIS TYPE B3-1 (SX9)
TV A COLORI TELAIO TIPO B3-1

180 **5134, 5634, 6734** Serie 2
5139, 5639, 6739 Serie 2
5644 Serie 1

COMPONENT SYMBOLS



CAPACITOR CLASSIFICATION TABLE

TYPE	CODE	VOLTAGE RATING	CODE	VOLTAGE RATING	CODE	TOLERANCE	CODE
POLYESTER	A	3 V	A	250 V	M	1%	F
POLYCARBONATE	B	6	B	350	N	2	G
CERAMIC	C	10	C	385	O	2.5	H
POLYSTYRENE (STYROL)	D	16	D	400	P	5	J
ELECTROLYTIC	E	25	E	450	R	10	K
POLYPROPYLENE	F	35	F	500	S	20	M
MET. PAPER	P	40	G	630	T	-20·80	Z
TANTALUM	T	50	H	1000	U	-10·50	T
		63	J	1500	W	-10·75	X
		100	K	2000	X		
		160	L				

SIMBOLI DEI COMPONENTI

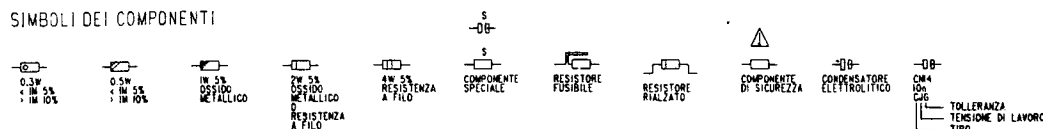
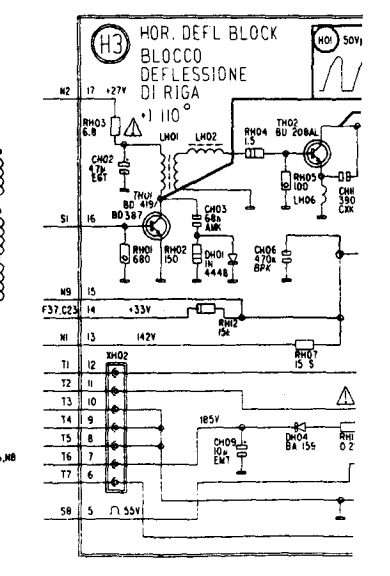
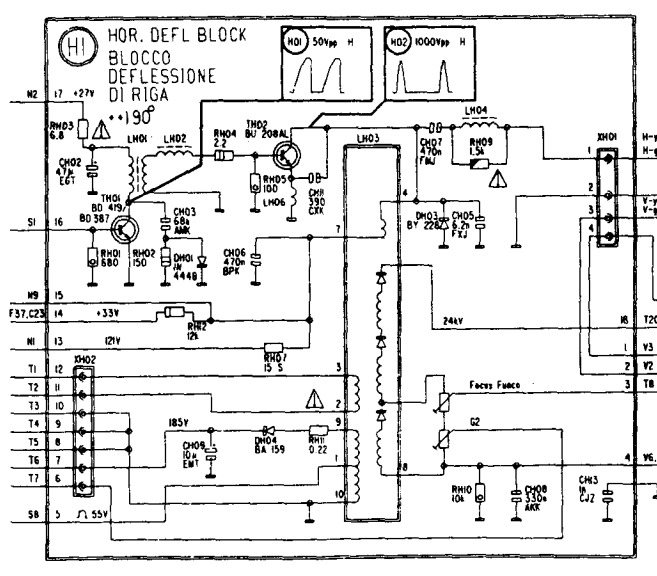
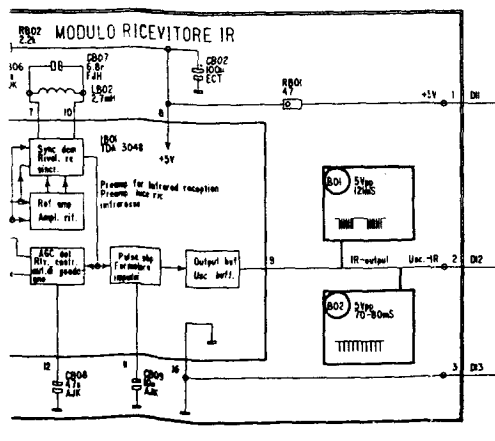
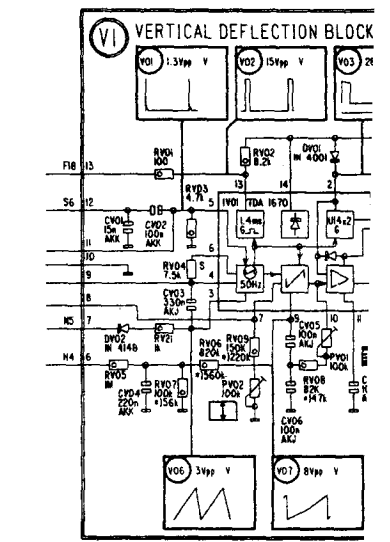
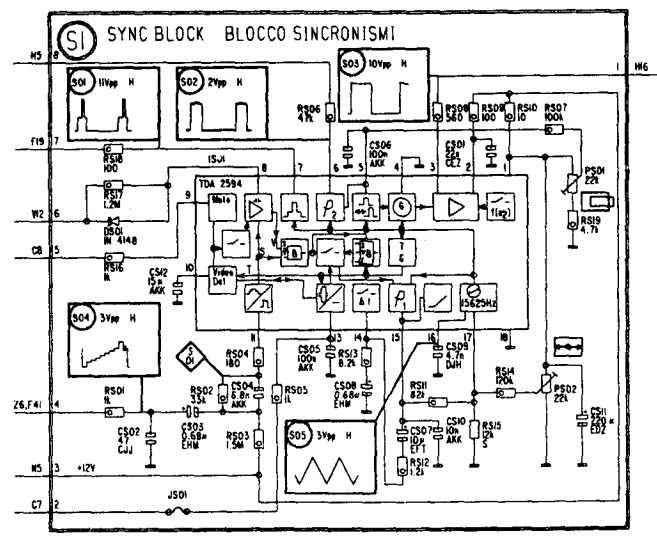
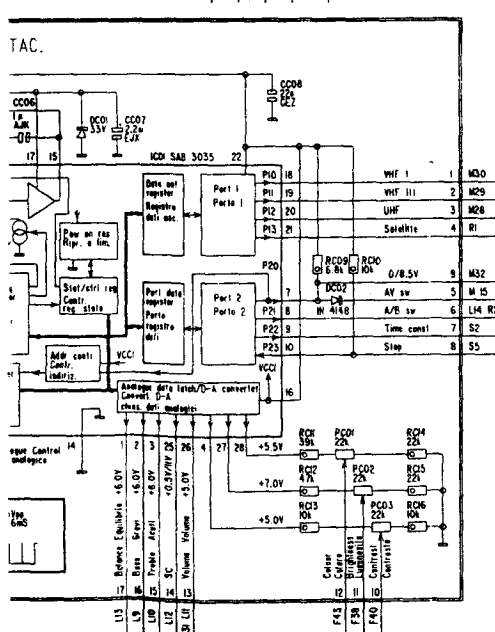
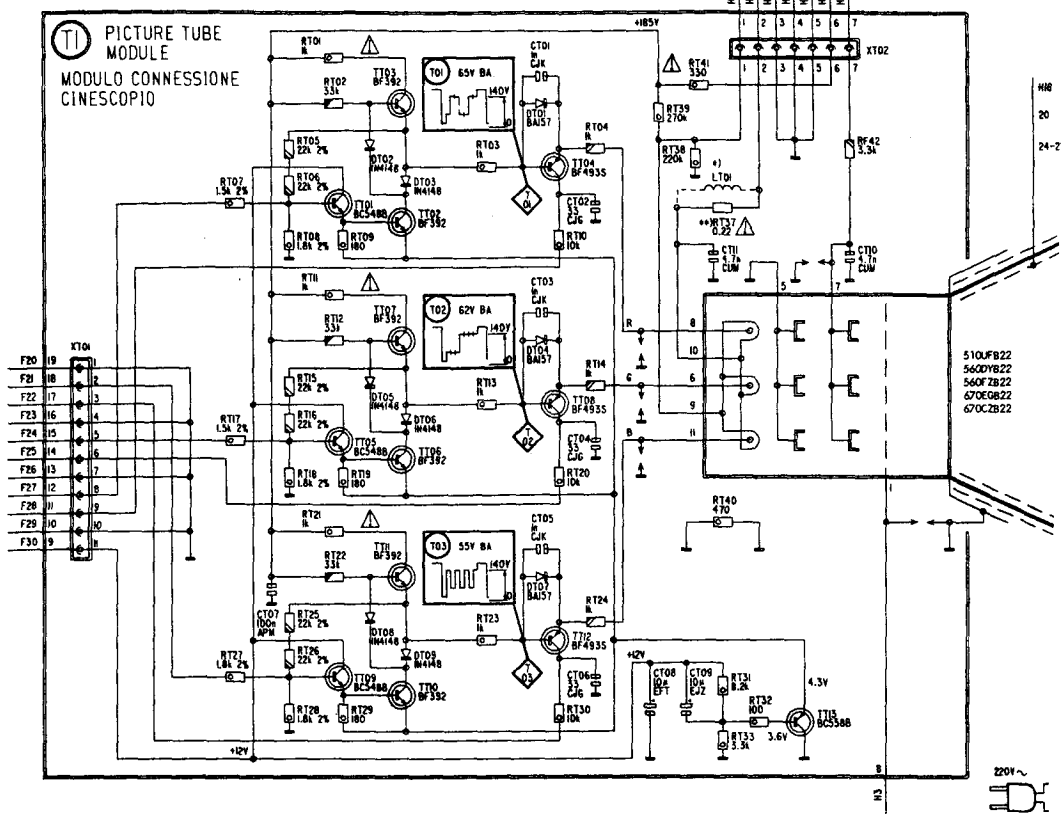
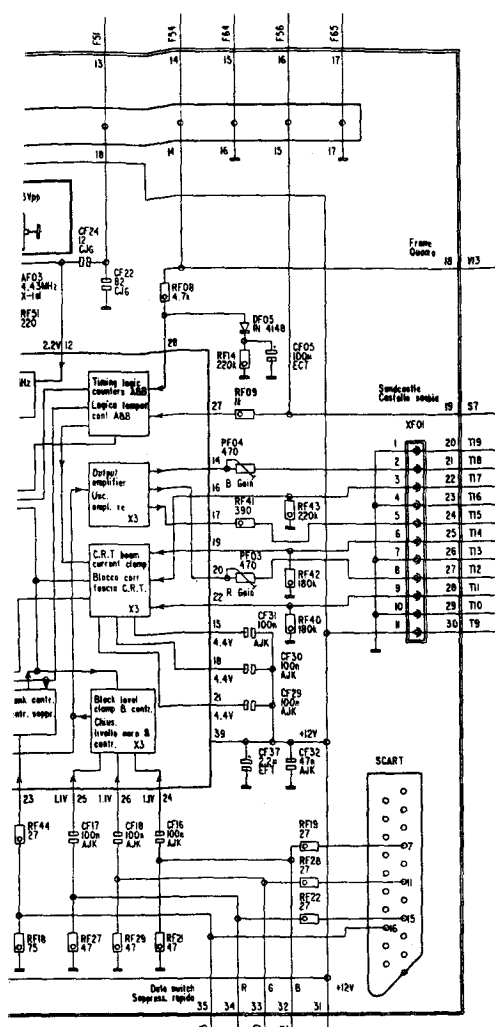
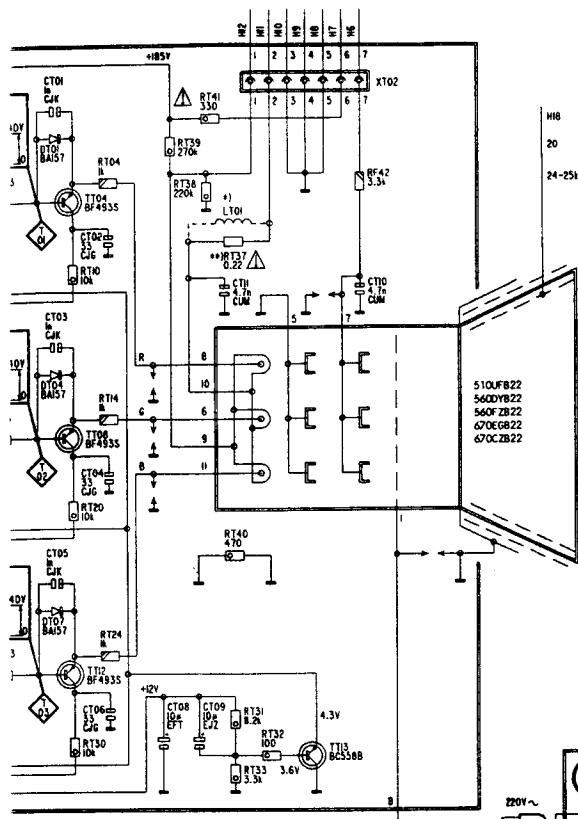


TABELLA DI CLASSIFICAZIONE DEI CONDENSATORI

TIPO	CODICE	TENSIONE DI LAVORO	CODICE	TENSIONE DI LAVORO	CODICE	TOLLERANZA	CODICE
POLIESTERE	A	3 V	A	250 V	M	1%	F
POLICARBONATO	B	6	B	350	N	2	G
CERAMICO	C	10	C	385	O	2.5	H
POLISTIRENE	D	16	D	400	P	5	J
ELETTROLITICO	E	25	E	450	R	10	K
POLIPROPILENE	F	35	F	500	S	20	M
MET. CARTA	P	40	G	630	T	-20·80	Z
TANTALIO	T	50	H	1000	U	-10·50	T
		63	J	1500	W	-10·75	X
		100	K	2000	X		
		160	L				





ADJUSTMENTS

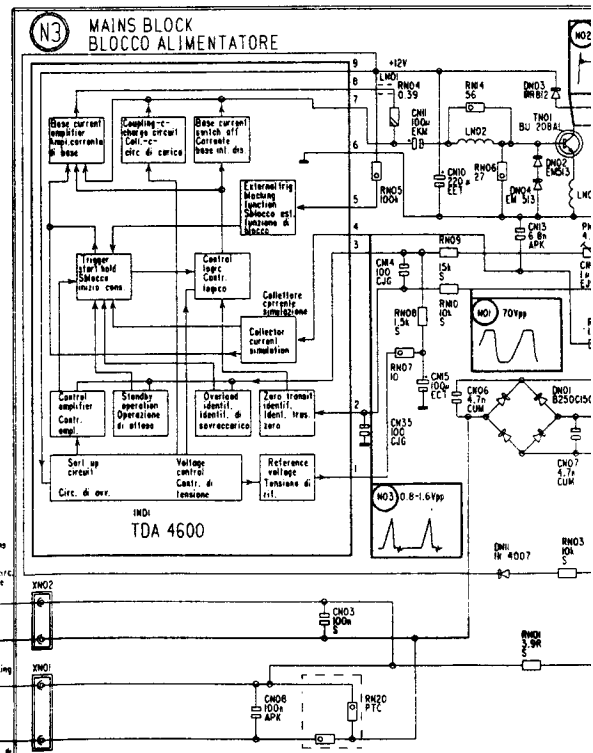
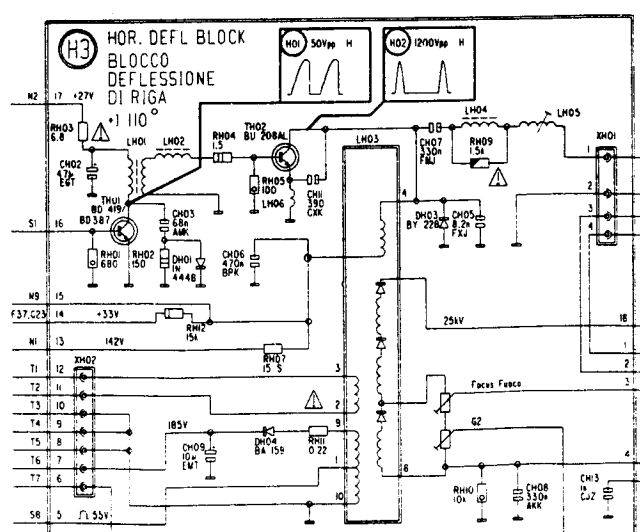
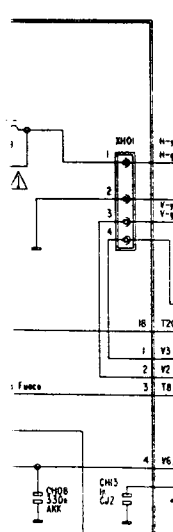
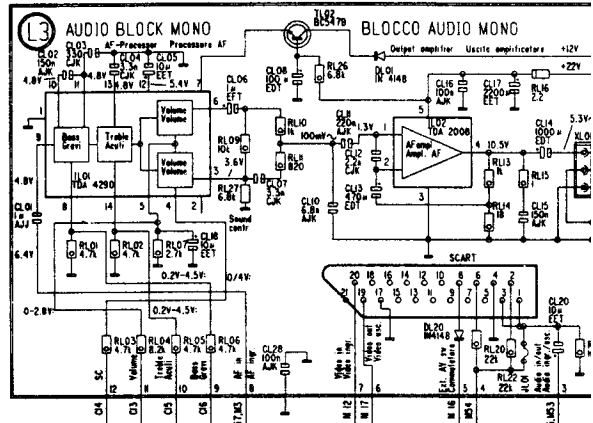
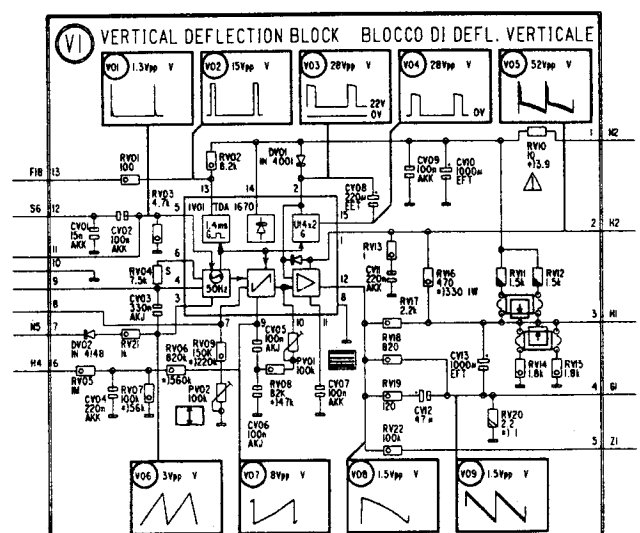
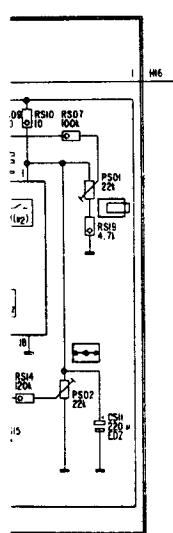
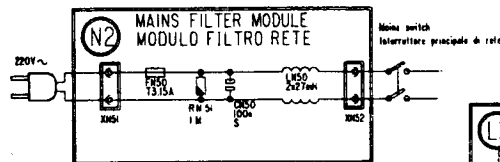
Antenna signal: Test pattern including colour bars and areas of 100% white.

- Power Supply**
Adjust PN01 for 121V, on 90° sets and 142V, on 110° sets respectively in point P1. Brightness and Contrast to minimum.
- Picture adjustments**
H-frequency — use PS02 and connect P2 to ground.
H-phase — PS01 (horizontal centering).
Picture width — LH05 (110° sets only).
Picture height — PV02.
V-linearity — PV01.
V-centering ↓ RV 11 or/and RV 12 connected to the jumper wire.
V-centering ↑ RV 14 or/and RV 15 connected to the jumper wire.
Focus — upper potentiometer on EHT transformer.
- IF adjustments**
AFC-detector
No antenna signal. Feed a 38.9 MHz signal (10mV) to P3 and adjust LM08 for 6V in P4.
Video detector
Connect the antenna again. Adjust LM06 for minimum amplitude black to white in P5, measured with an oscilloscope.

Intercarrier detector, sound
Connect the oscilloscope to P6 and minimize the video components in the signal with LM02.

- Adjustments of signal levels in RGB output stages**
Press the reset button on the front panel.
Check with an oscilloscope which of the three output stages has the highest DC level of the signal in points P7, P8 and P9 respectively. Set the two reference lines (just behind the vertical blanking pulse), at the highest DC level output stage, to 130V with the G2-potentiometer. The G2-potentiometer is the lower one on the EHT transformer. Connect the oscilloscope to P10 and adjust the black level to 10V above the reference lines with PC02.
Lower the ambient light, or cover the area between display and picture tube on the front panel, to avoid activating ambient light sensor (RD20).
With PC03, adjust the amplitude to 55V peak white to black. Connect the oscilloscope to P11 and adjust to 57V with PF03 and then to P12 and adjust 50V with PF04. If the range of PC03 does not cover 55V in P13, change the video amplitude a little in P14 with PM01. The video amplitude must be within 0.9 Vpp—1.3 Vpp.

Segnale
prova in bianco.
1. Allim.
Regolare valore (sets sul
Brillante
2. Regol.
Frequen.
gato a tr
Fase H.
zontale).
Larghez:
110° set:
Altezza i
Linearità
Centratu
gato a t
Centratu
gato a t
Fuoco -
EHT (=)
3. Regol.
Rivelato
Nessun
un segn
e regol.
Rivelato
Ricolleg
per la r
su P13
Rivelato
Collega



ADJUSTMENTS

Antenna signal: Test pattern including four bars and areas of 100% white.

Power Supply

Adjust PN01 for 121V, on 90° sets and 2V, on 110° sets respectively in point > Brightness and Contrast to minimum.

Picture adjustments

frequency — use PS02 and connect to ground.

phase — PS01 (horizontal centering). picture width — LH05 (110° sets only). picture height — PV02.

linearity — PV01. centering — RV 11 or/and RV 12 connected to the jumper wire.

centering — RV 14 or/and RV 15 connected to the jumper wire.

focus — upper potentiometer on EHT transformer.

IF adjustments

IF-detector antenna signal. Feed a 38.9 MHz range (10mV) to \diamond and adjust LM08 for 6V in \diamond.

Video detector

Connect the antenna again. Adjust PM06 for minimum amplitude black to white in \diamond, measured with an oscilloscope.

Intercarrier detector, sound

Connect the oscilloscope to \diamond and minimize the video components in the signal with LM02.

4. Adjustments of signal levels in RGB output stages

Press the reset button on the front panel.

Check with an oscilloscope which of the three output stages has the highest DC level of the signal in points \diamond, \diamond and \diamond respectively.

Set the two reference lines (just behind the vertical blanking pulse), at the highest DC level output stage, to 130V with the G2-potentiometer. The G2-potentiometer is the lower one on the EHT transformer. Connect the oscilloscope to \diamond and adjust the black level to 10V above the reference lines with PC02.

Lower the ambient light, or cover the area between display and picture tube on the front panel, to avoid activating ambient light sensor (RD20).

With PC03, adjust the amplitude to 55V peak white to black. Connect the oscilloscope \diamond and adjust to 57V with PF03 and then to \diamond and adjust 50V with PF04. If the range of PC03 does not cover 55V in \diamond, change the video amplitude a little in \diamond with PM01. The video amplitude must be within 0.9 Vpp—1.3 Vpp.

TARATURA

Segnale antenna: Configurazione di prova incl. barre colore e area 100% bianco.

1. Alimentazione
Regolare PN01 per 121V 90° sets (= valore di regolazione) e 142V 110° sets sul punto \diamond.

Brillantezza e contrasto al minimo.

2. Regolazione dell'immagine
Frequenza H — PS02 e con \diamond collegato a terra.

Fase H — PS01 (reg. centratura orizzontale).

Larghezza immagine — LH05 (solo 110° sets).

Altezza immagine — PV02. Linearità V. PV01.

Centratura V. \downarrow RV11 o/e RV12 collegato al filo di saltellamento.

Centratura V. \uparrow RV14 o/e RV15 collegato al filo di saltellamento.

Fuoco — potenziometro superiore su EHT (=Altissima Tensione).

3. Regolazioni IF
Rivelatore AFC
Nessun segnale di antenna. Inviare un segnale di 38.9 MHz (10 mV) a \diamond e regolare LM08 per 6V su \diamond.

Rivelatore Video
Ricollegare l'antenna. Regolare LM06 per la minima ampiezza bianco a nero su \diamond misurata con un oscilloscopio.

Rivelatore Intercarrier, Suono
Collegare l'oscilloscopio su \diamond e mi-

nimare i componenti video nel segnale con LM02.

4. Regolazione livelli segnale in stadi uscita RGB

Premere il pulsante di ripristino sul pannello frontale.

Con un oscilloscopio, controllare quale dei tre stadi d'uscita ha il livello di segnale DC (CC) più alto nei punti \diamond, \diamond e \diamond.

Disporre le due linee di riferimento (subito dietro l'impulso di soppressione verticale) a 130V, con il potenziometro G2 allo stadio di uscita più alto.

Il potenziometro G2 è quello più basso sul trasformatore EHT (=Altissima Tensione).

Collegare l'oscilloscopio su \diamond e regolare con PC02 il livello di nero a 10V sopra le linee di riferimento.

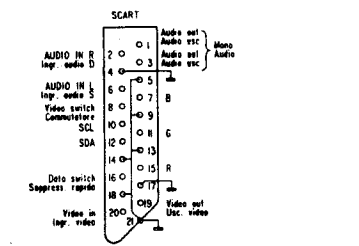
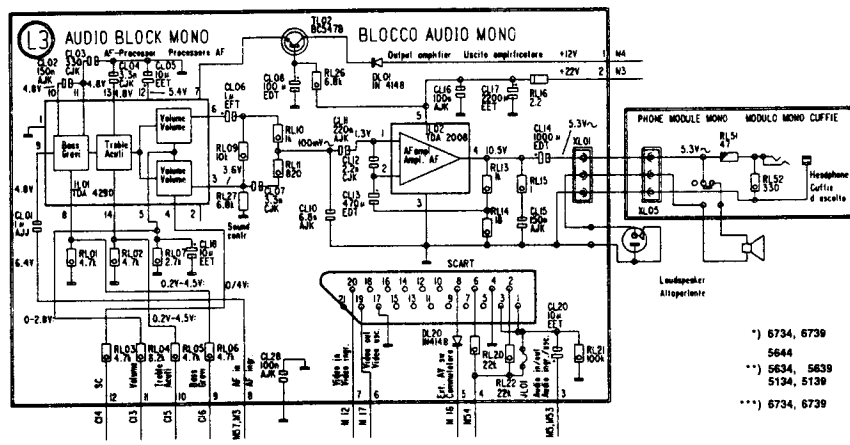
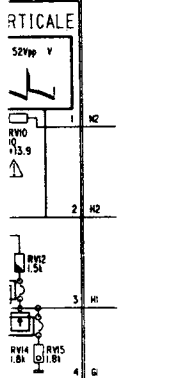
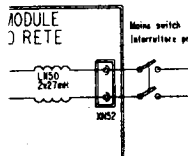
Diminuire la luce ambiente o mascherare l'area tra display e cinescopio sul pannello frontale, per non attivare il sensore per la luce ambiente (RD20).

Regolare con PC03 l'ampiezza a 55V picco bianco a nero.

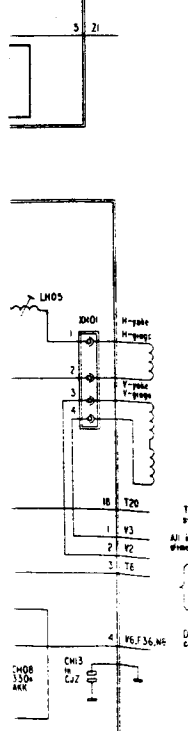
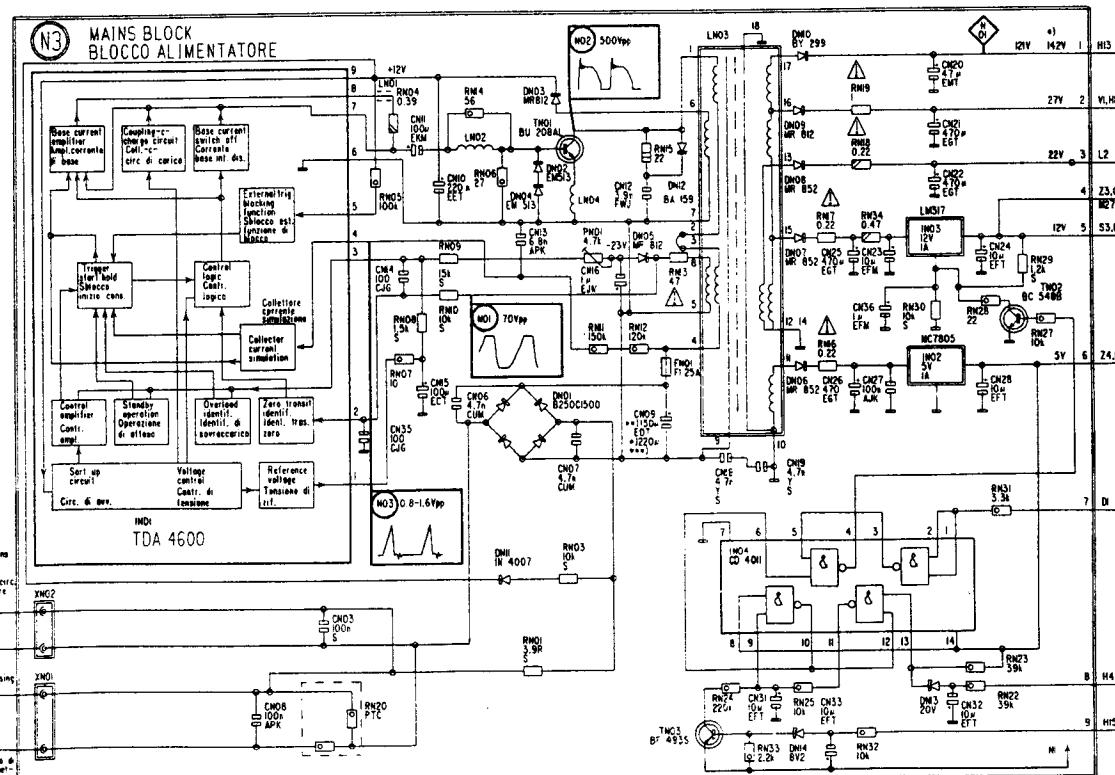
Collegare l'oscilloscopio su \diamond e regolare a 57V con PF03, dopodiché su \diamond e a 50V con PF04.

Se la distanza di PC03 non comprende 55V su \diamond cambiare un po' con PM01 l'ampiezza video su \diamond.

L'ampiezza video deve essere tra 0.9 Vpp e 1.3 Vpp.



- *) 6734, 6739 PICTURE TUBE (670EGB22)
- 5644 CINESCOPIO (560FZB22)
- **) 5634, 5639 PICTURE TUBE (670CZB22)
- 5134, 5139 CINESCOPIO
- **) 6734, 6739 PICTURE TUBE (670CZB22)



IAGRAM 'LETRICO



07

8410

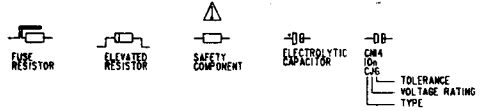
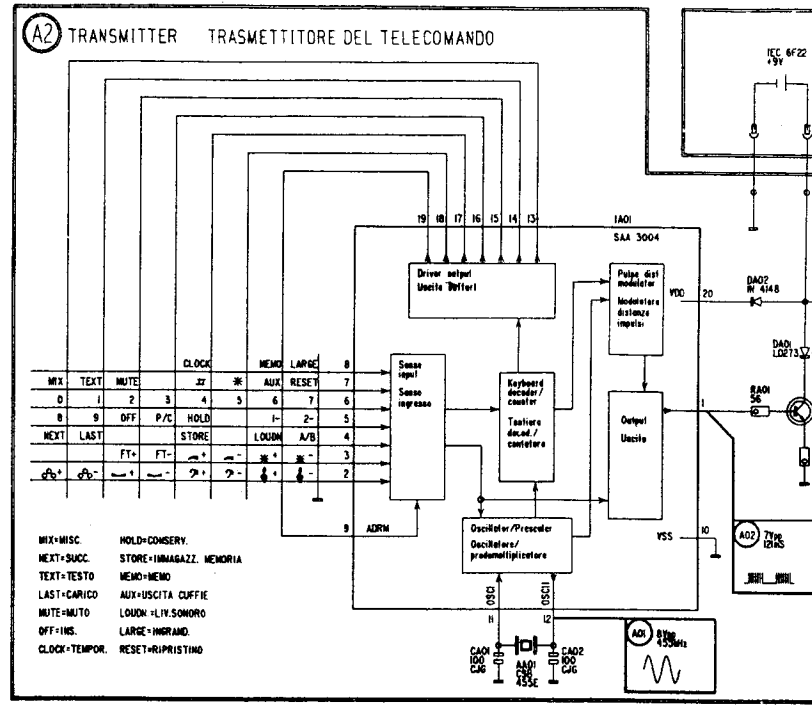
PE B3-1 (SX9)

AIO TIPO B3-1

6734 Serie 2

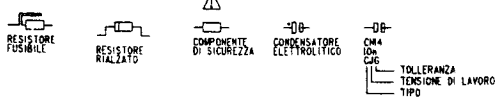
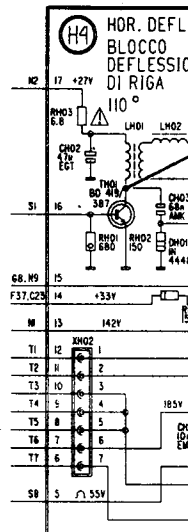
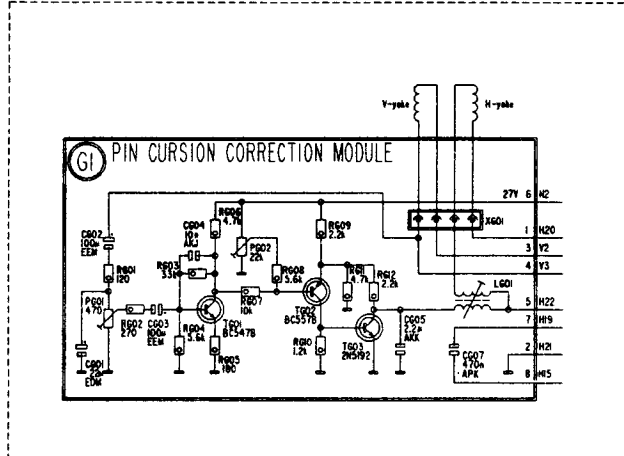
6739 Serie 2

Serie 1



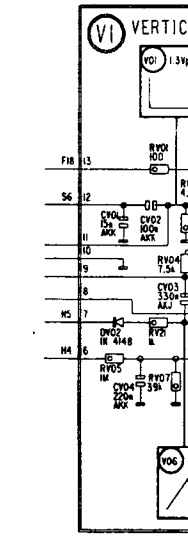
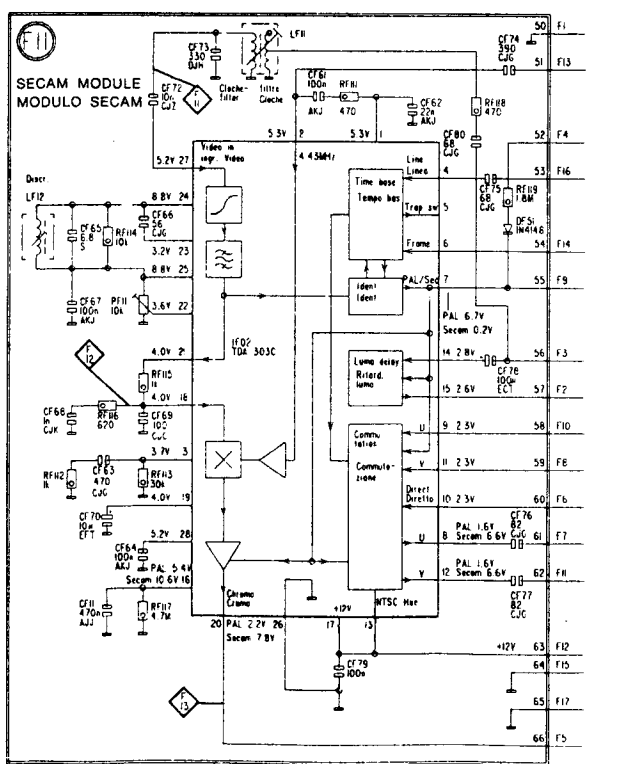
IN TABLE

CODICE	TOLERANCE	CODE
V	1%	F
	2	G
	2.5	H
	5	J
	10	K
	20	M
	-20+80	Z
	-10+50	T
	-10+75	X



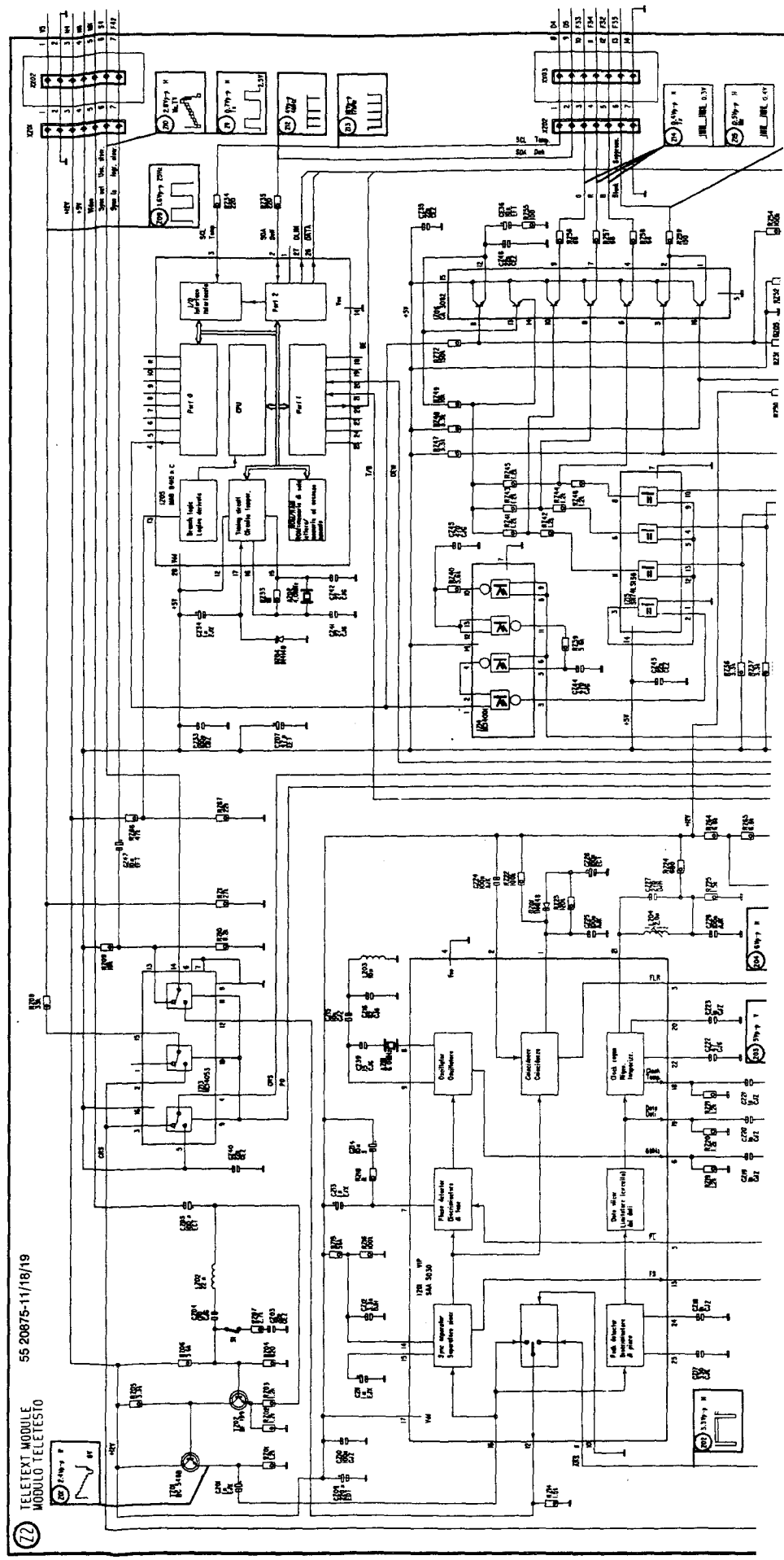
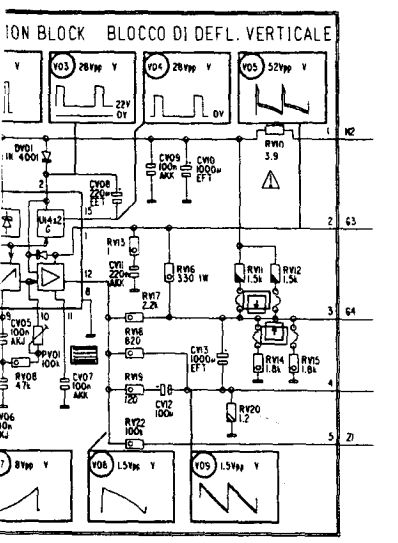
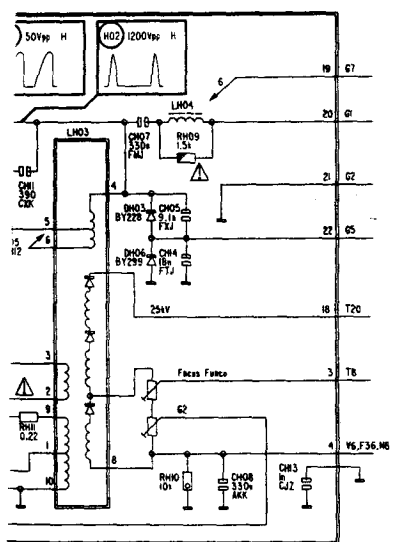
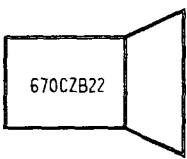
CONDENSATORI:

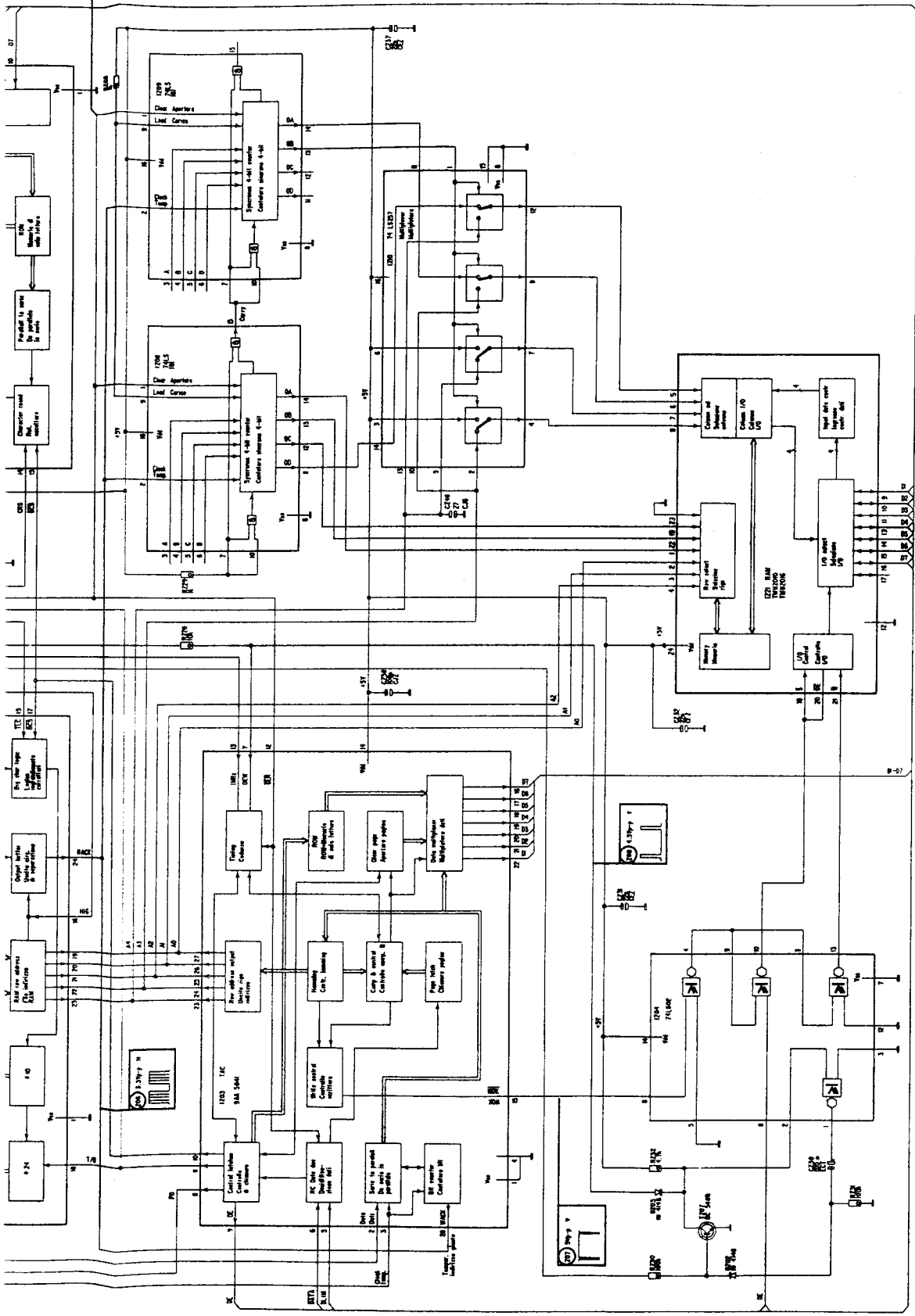
CODICE	TOLLERANZA	CODICE
V	1%	F
	2	G
	2.5	H
	5	J
	10	K
	20	M
	-20+80	Z
	-10+50	T
	-10+75	X



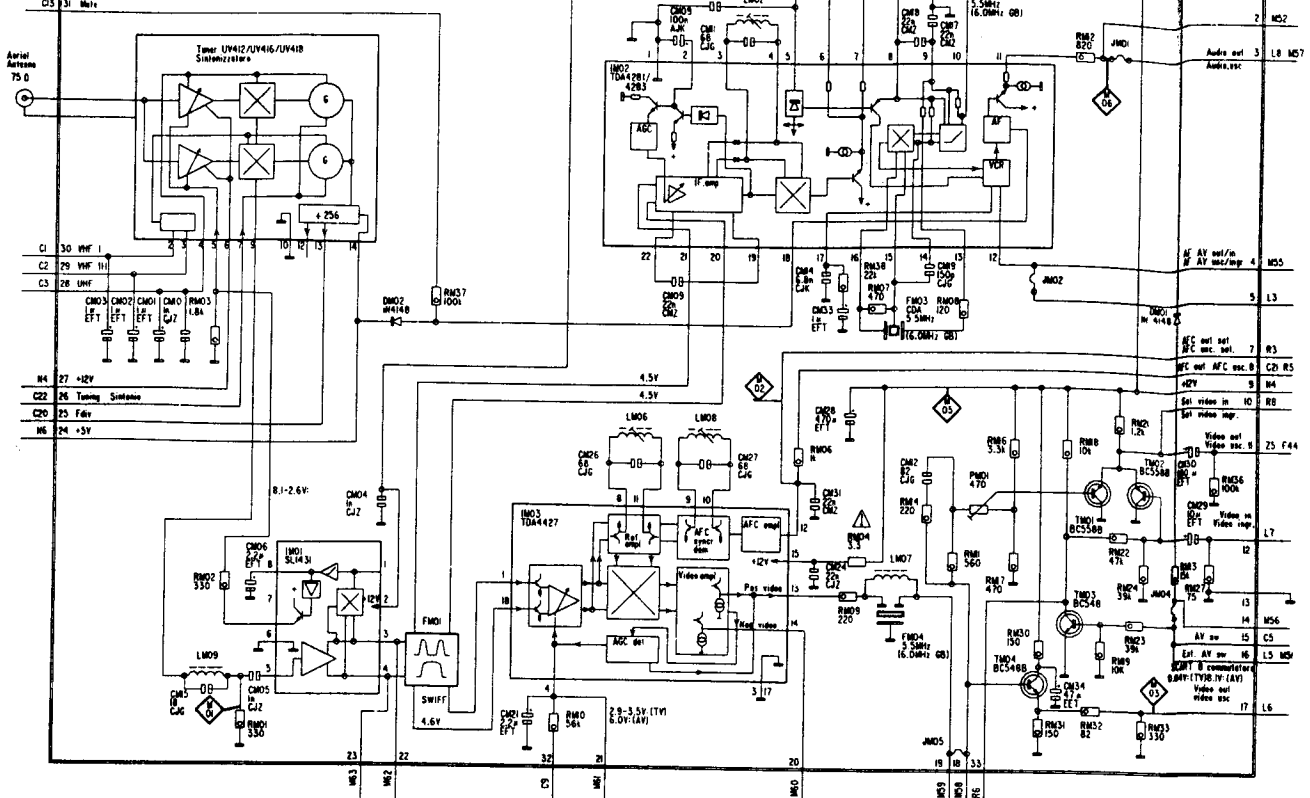
- *) 6734, 6739 PICTURE TUBE (670EQB22)
- CINESCOPIO (560FZB22)
- *) 5834, 5839 PICTURE TUBE (670CZB22)
- CINESCOPIO (670CZB22)
- *) 6734, 6739 PICTURE TUBE (670CZB22)
- CINESCOPIO (670CZB22)

PICTURE TUBE ***
CINESCOPIO

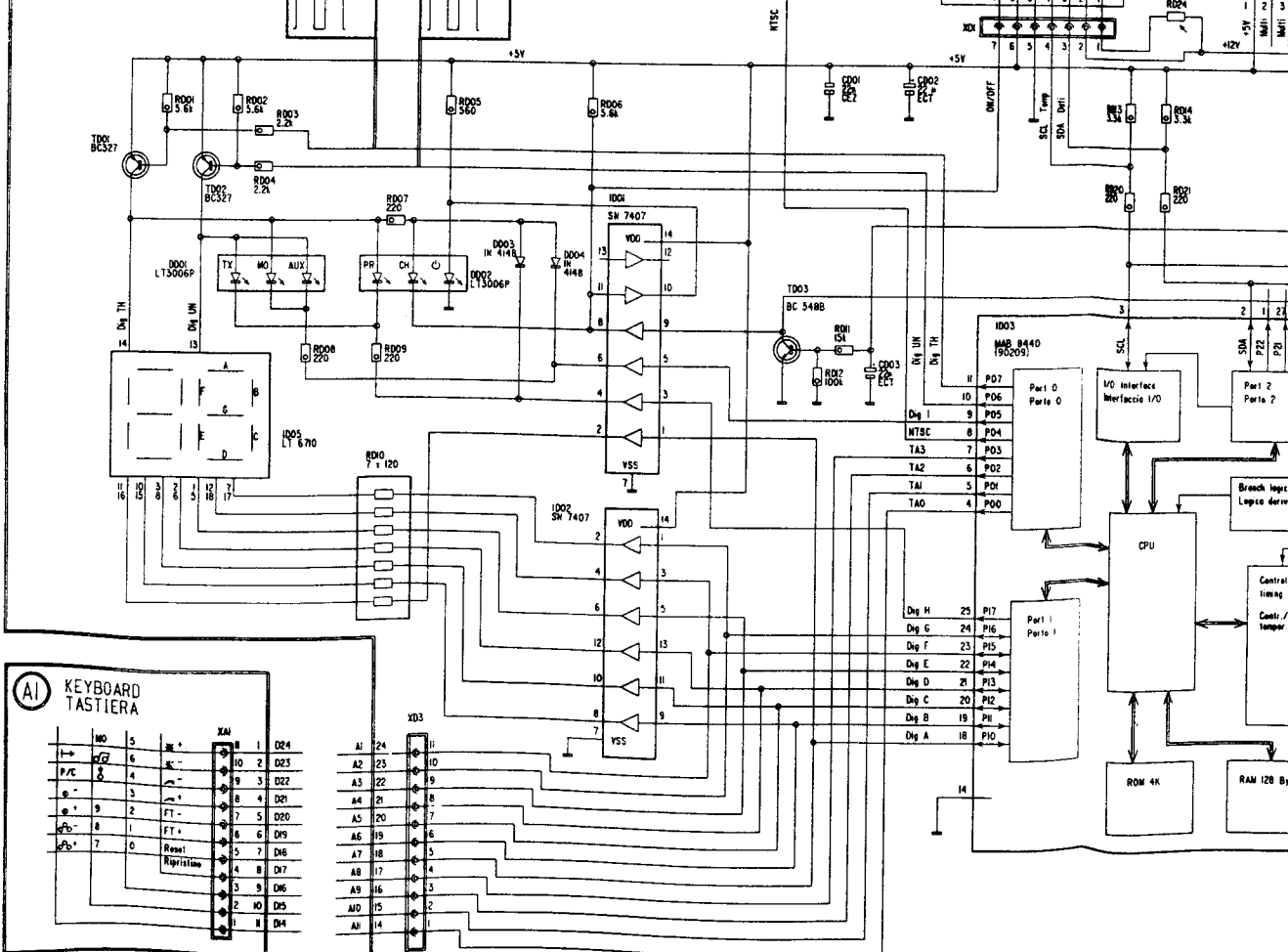




(M1) TUNER, VIDEO IF-BLOCK, SOUND IF-BLOCK, VIDEO SWITCH BLOCK
 SINTONIZZATORE, BLOCCO VIDEO MEDIA FREQUENZA
 BLOCCO AUDIO MEDIA FREQUENZA
 BLOCCO COMMUTATORE VIDEO



(D1) CONTROL PANEL MODULE
 PANNELLO DEI COMANDI



(A1) KEYBOARD
 TASTIERA

