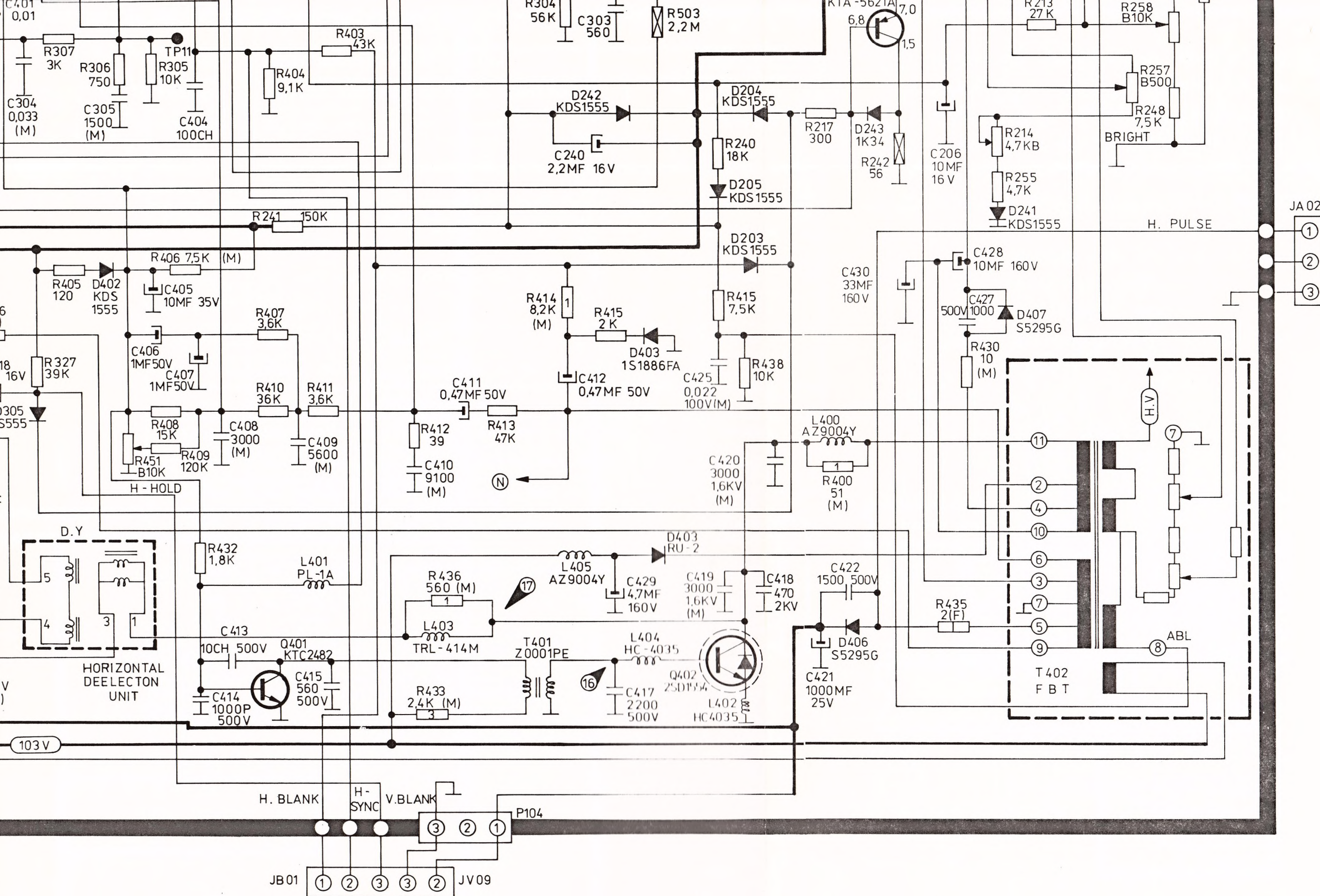
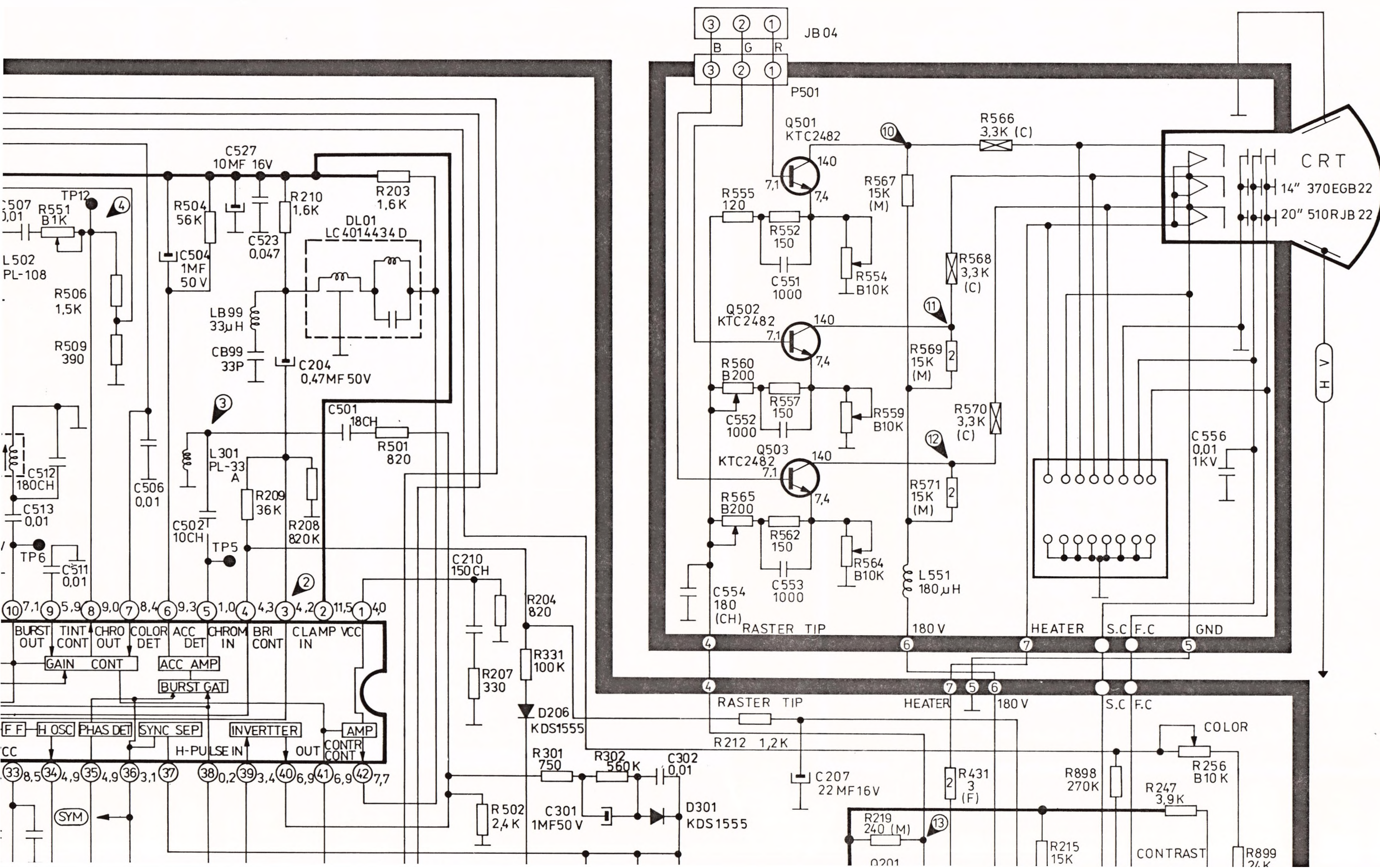
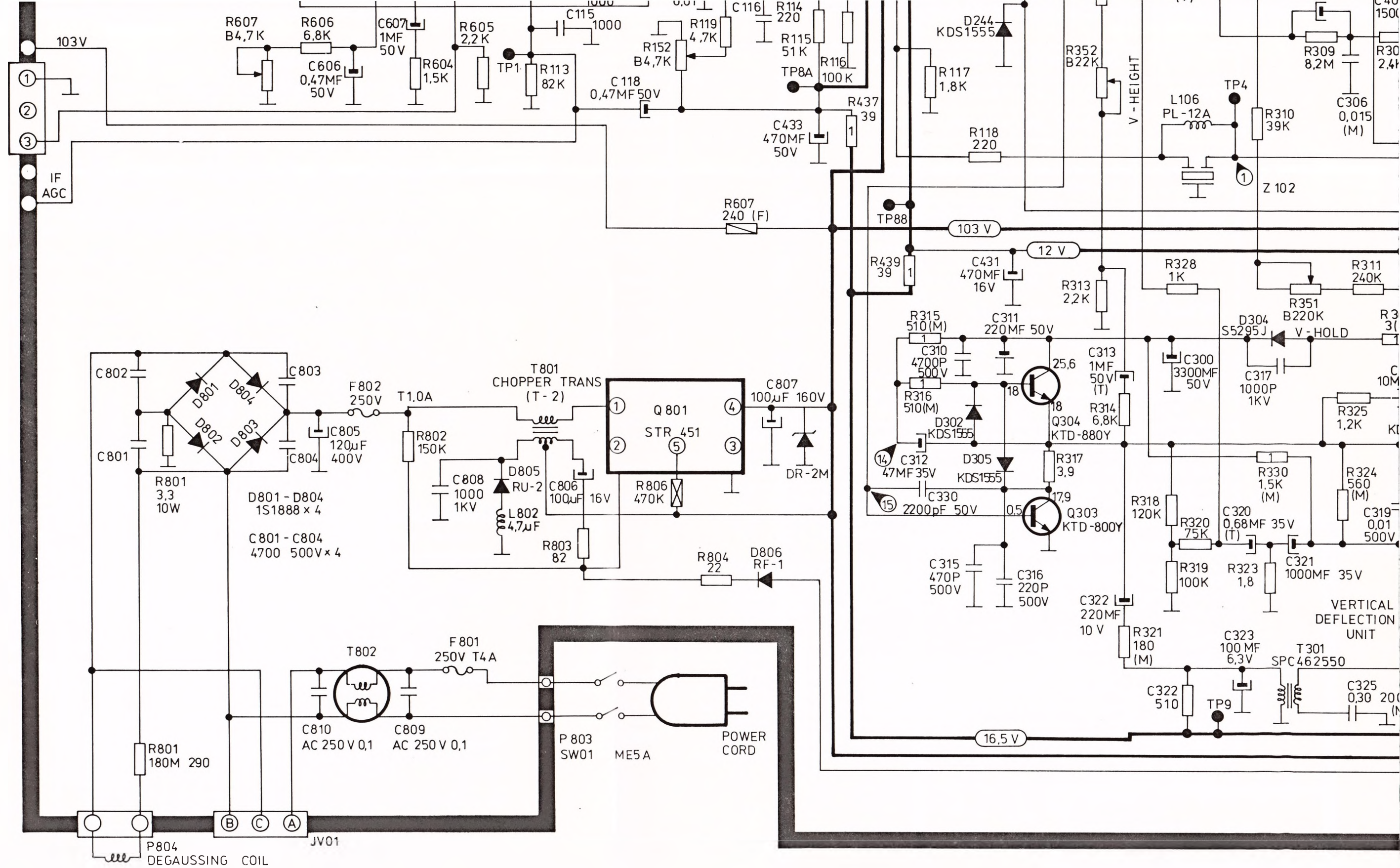
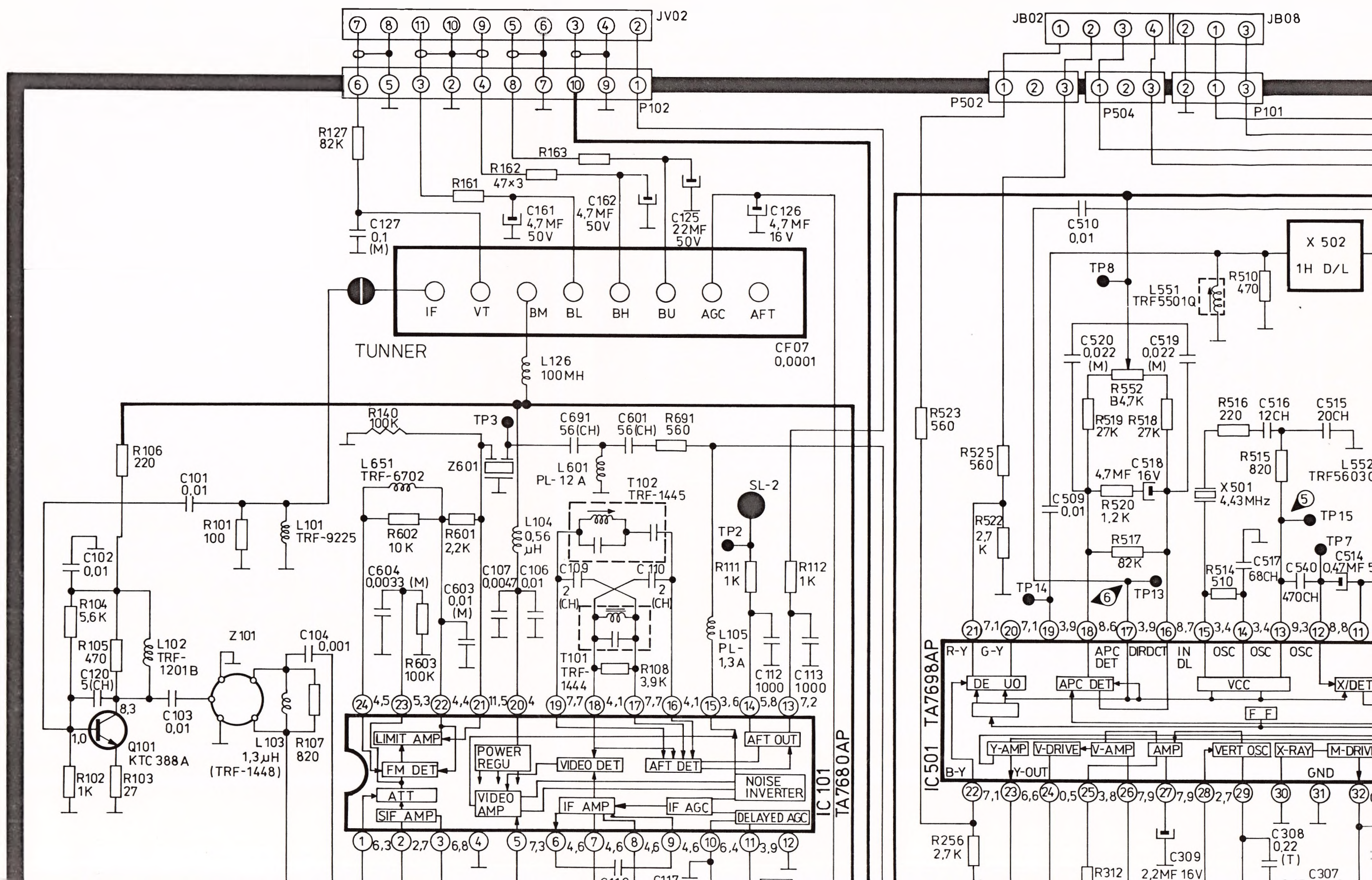




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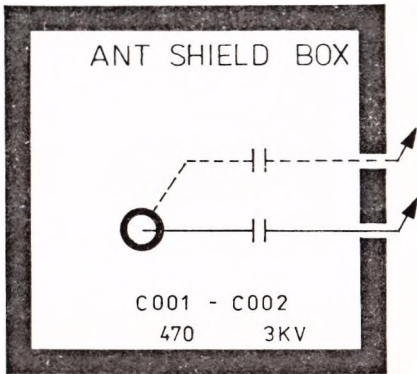
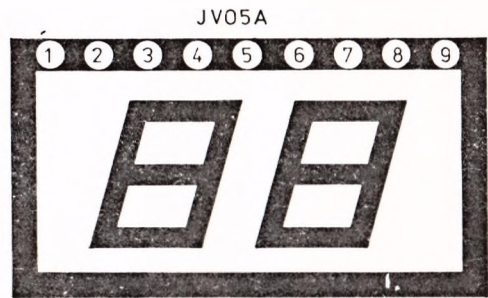
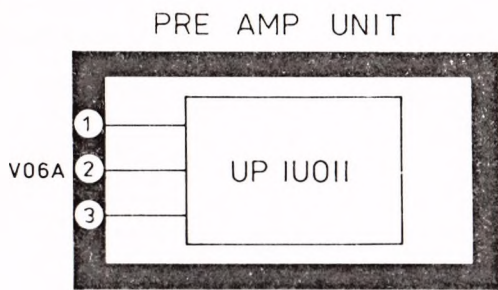


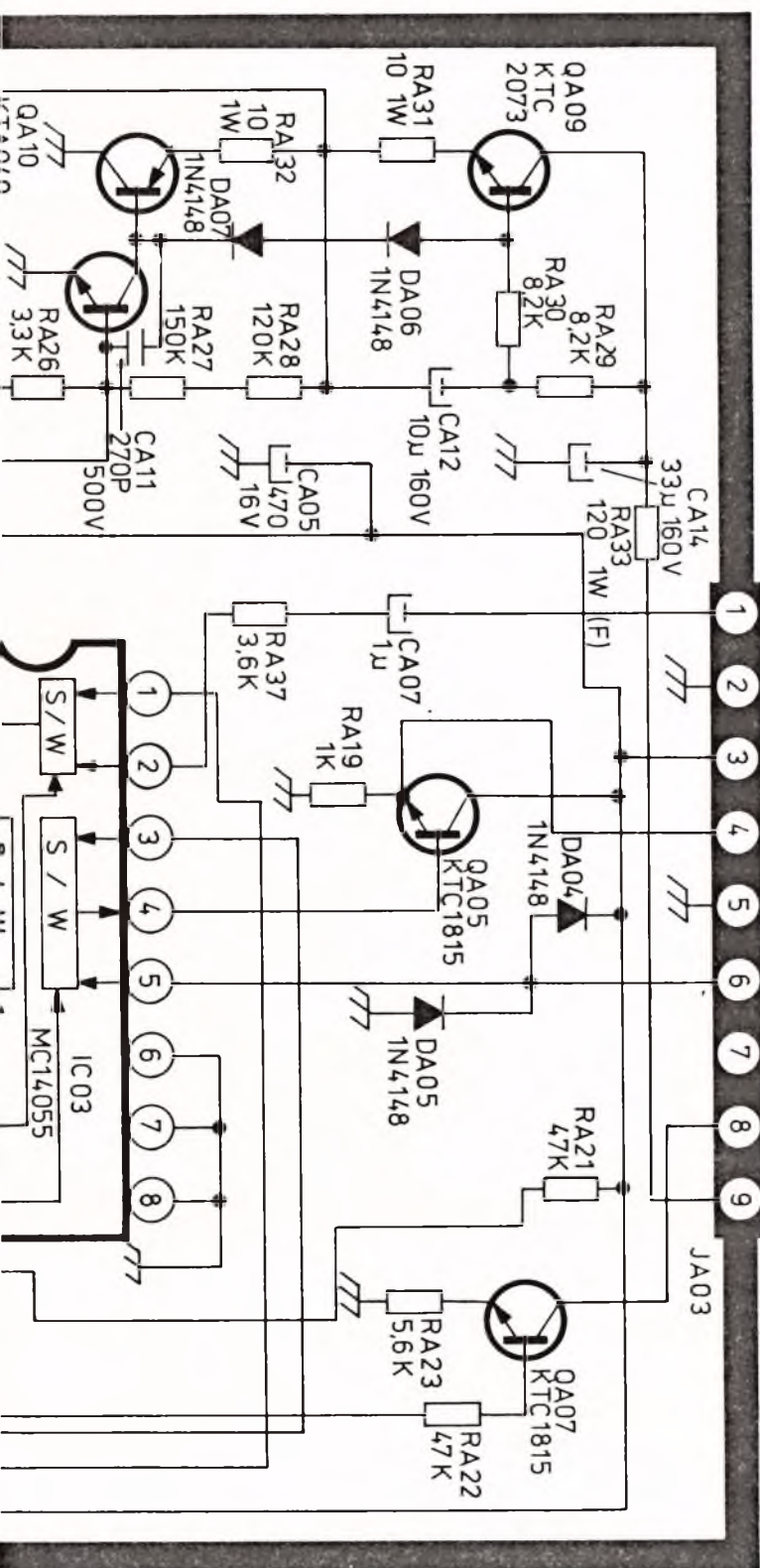
LIST OF DIODES AND TRANSISTORS

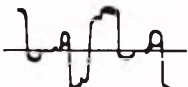
TYPE	SHORT DESCRIPTION , DATA	EQUIVALENTS
KDS555	VARICAP, AUTOMATIC FREQ. CONTROL	
KDS1555	Si, FAST SWITCH DET., 200V, 016A	1N4148
LD271		
RU-2	Si, RECT, 1A, 600V	
SS295G, J	Si, GENERAL PURP. RECT., FAST, 600V, 1A, 200nS	
1K34	Ge, GENERAL PURP. DEM, 75V, 50mA	AA133
1N4148	Si, FAST SWITCH, 100V, 0.2A, <4nS	BAY61
1S1886A	Si, RECT, 200V, 1A	BY133
1S1888	Si, RECT, 600V, 1A	BY133
ZPD2.7-51	ZENER DIODE 2.7-51V, 5%, 0.5W	
	TRANSISTORS	
KTA940	Si, PNP, TV-VERTICAL, 1.5A, 150V, 25W, 4MHz	2SA940
KTA1015Y	Si, PNP, GENERAL PURP., 0.15A, 50V, 0.4W	BC307
KTA562TA	Si, PNP, GENERAL PURP., 0.4A, 30V, 0.3W	BC327, BC328
KTC388A	Si, NPN, TV-IF applicat., 400MHz	BF115, BF199 BF224
KTC2120Y	Si, NPN, GENERAL PURP., 30V, 0.8A, 0.6W	BC337
KTC2073	Si, NPN, TV-VERT., 1.5A, 150V, 25W, 4MHz	BD239D
KTC2230	Si, NPN, AF-driver stages, 0.1A, 200V, 0.8A	BF298
KTC1815Y	Si, NPN, GENERAL PURP., 60V, 0.15A, 0.4W	BC237
KTC2482	Si, NPN, Vid, TV-HORIZ. DRIVER, 0.1A, 300V, 0.1W	BF259
KTD880Y	Si, NPN, AF switch-power stg., 3A, 60V, 30W	BD243A

NOTES:

1. RESISTANCE VALUES ARE IN OHMS K= 1000, M= 1,000,000
2. CAPACITANCE VALUES 1.0 AND ABOVE ARE IN P^F, THOSE BELOW ARE IN μ F EXCEPT AS INDICATED.
3. INDUCTOR VALUES IN μ H EXCEPT AS INDICATED.
4. VOLTAGES ARE MEASURED FROM CHASSIS GROUND TO POINT INDICATED WITH A "VTVM" WHILE RECEIVING A COLOR BAR SIGNAL WITH ALL CONTROLS SET TO THE MAXIMUM POSITION. (FOR A NOMINAL LINE VOLTAGE AC 110-260 V, 50 HZ).
5. SINCE THE CIRCUIT DIAGRAM IS A STANDARD ONE, THE CIRCUIT AND CIRCUIT CONSTANS MAY BE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT ANY NOTICE.





		
1. $2.3 V_{p-p}$ (H)	2. $0.55 V_{p-p}$ (H)	3. $1.4 V_{p-p}$ (H)
		
4. $0.6 V_{p-p}$ (H)	5. $1.7 V_{p-p}$ (H)	6. $0.15 V_{p-p}$ (H)
		
7. $3.2 V_{p-p}$ (H)	8. $1.8 V_{p-p}$ (H)	9. $4.0 V_{p-p}$ (H)
		
10. $85 V_{p-p}$ (H)	11. $90 V_{p-p}$ (H)	12. $90 V_{p-p}$ (H)
		
13. $5.8 V_{p-p}$ (H)	14. $30 V_{p-p}$ (H)	15. $0.8 V_{p-p}$ (H)
		
16. $10 V_{p-p}$ (H)	17. $890 V_{p-p}$ (H)	

PRODUCT SAFETY NOTE:

SHADED COMPONENTS HAVE SPECIAL CHARACTERISTICS
IMPORTANT TO SAFETY AND SHOULD BE REPLACED ONLY
WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR
SPECIFIED IN THE PARTS LIST.

DON'T DEGRADE THE SAFETY OF THE SET THROUGH
IMPROPER SERVICING.

LOCAT- ION NO	14.16 INCH	20 INCH	LOCAT- ION NO	14.16 INCH	20 INCH
Q402	2SD1554	2SD1555			
T301	SPC462550	SPC462548	R241	150 K OHM	120 K OHM
T402	DCF 1551 P	DCF 2052 P	R431	2W 3 OHM (F)	2W 1 OHM (F)
C325	0,30 200 V	0,33 200 V			
C420	3000 1.6 KV	3900 1.6 KV	CRT	14": 370 EGB22	510 RJB 22
				16": 420 BKB22A	

SAFETY CAUTION:

BEFORE SERVICING THIS CHASSIS, IT IS IMPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE "X-RAY RADIATION PRECAUTION. "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

1. WAVEFORMS TAKEN USING SIGNAL FROM A STANDARD COLOR BAR GENERATOR.
2.  INDICATES WAVEFORM CHECK POINTS.

