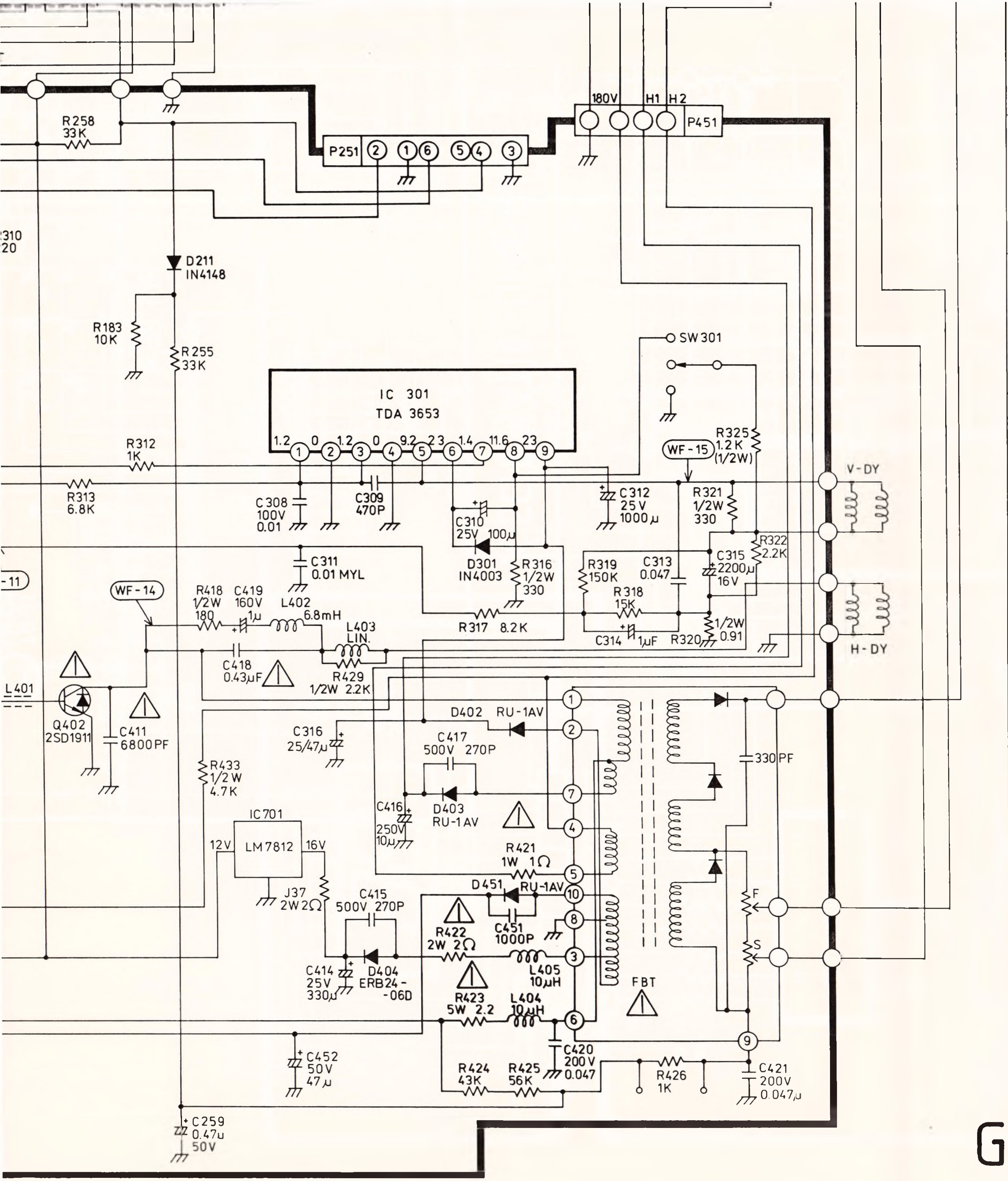
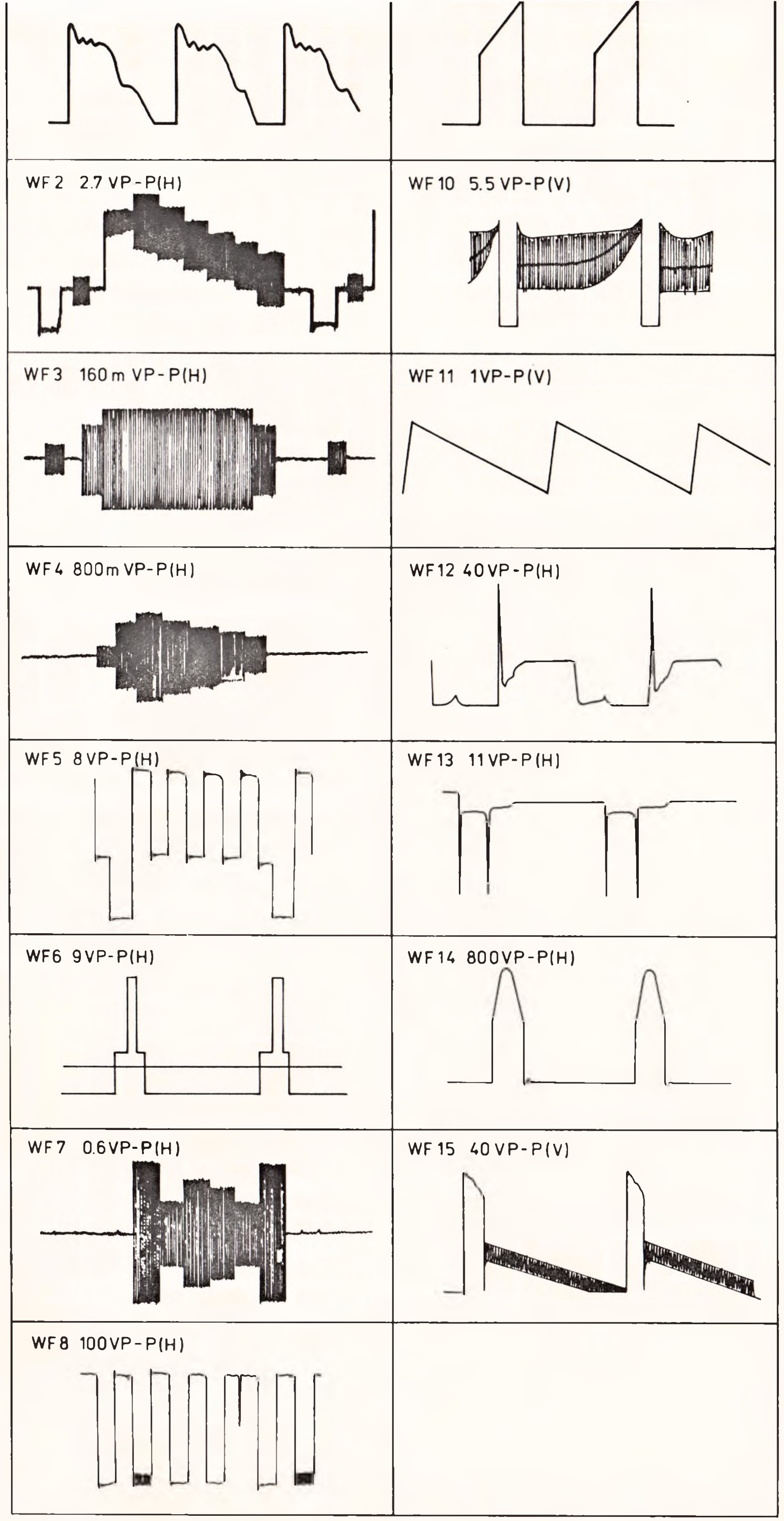


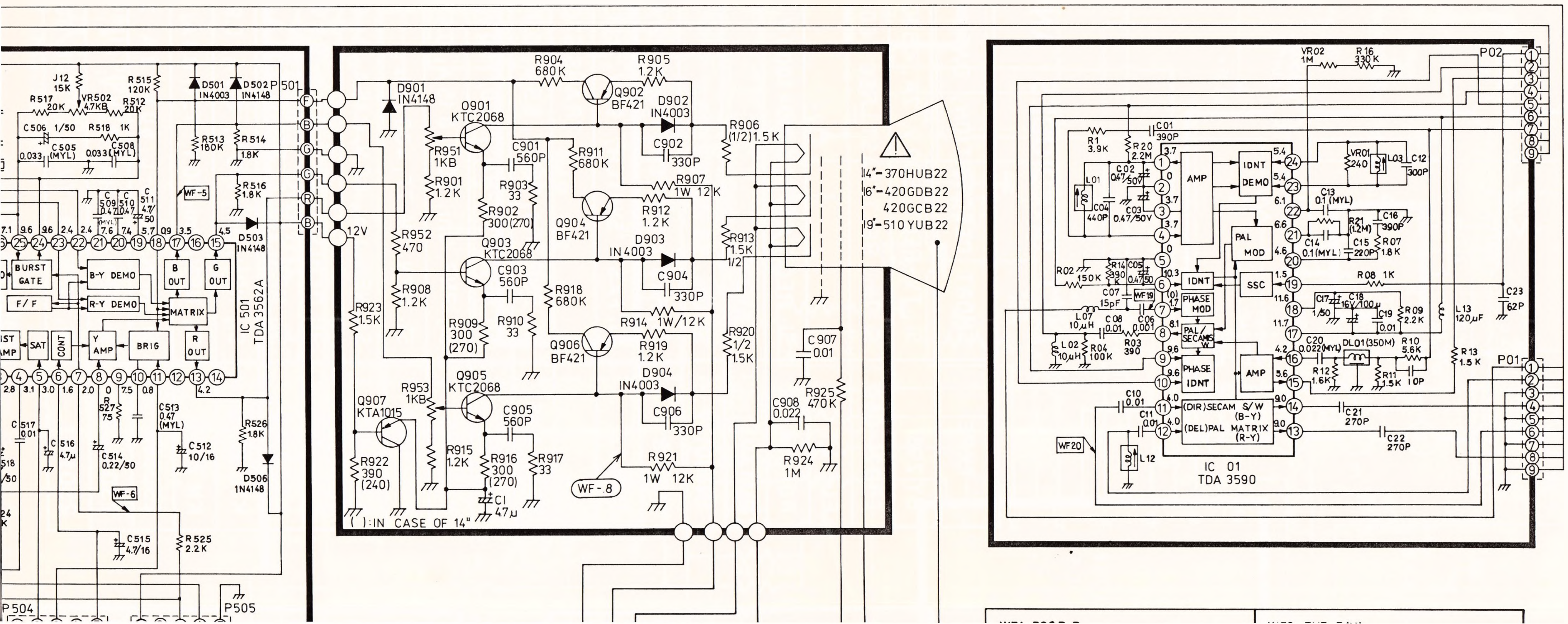


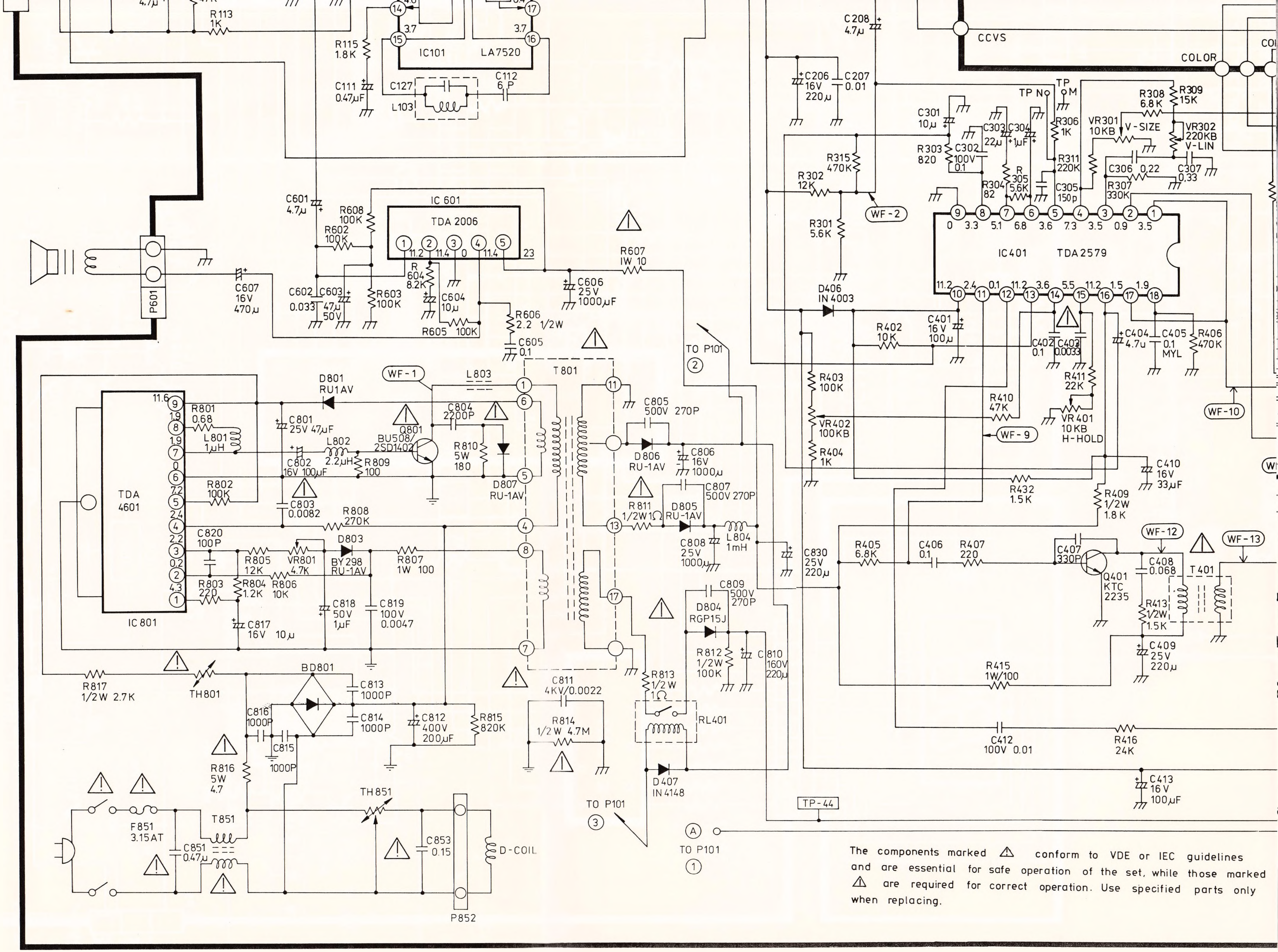
GOLDSTAR (PC-04X)

ram.
partial connection
provement.

Less than 1 are

more than 1 are





The components marked ⚠ conform to VDE or IEC guidelines and are essential for safe operation of the set, while those marked ⚠ are required for correct operation. Use specified parts only when replacing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

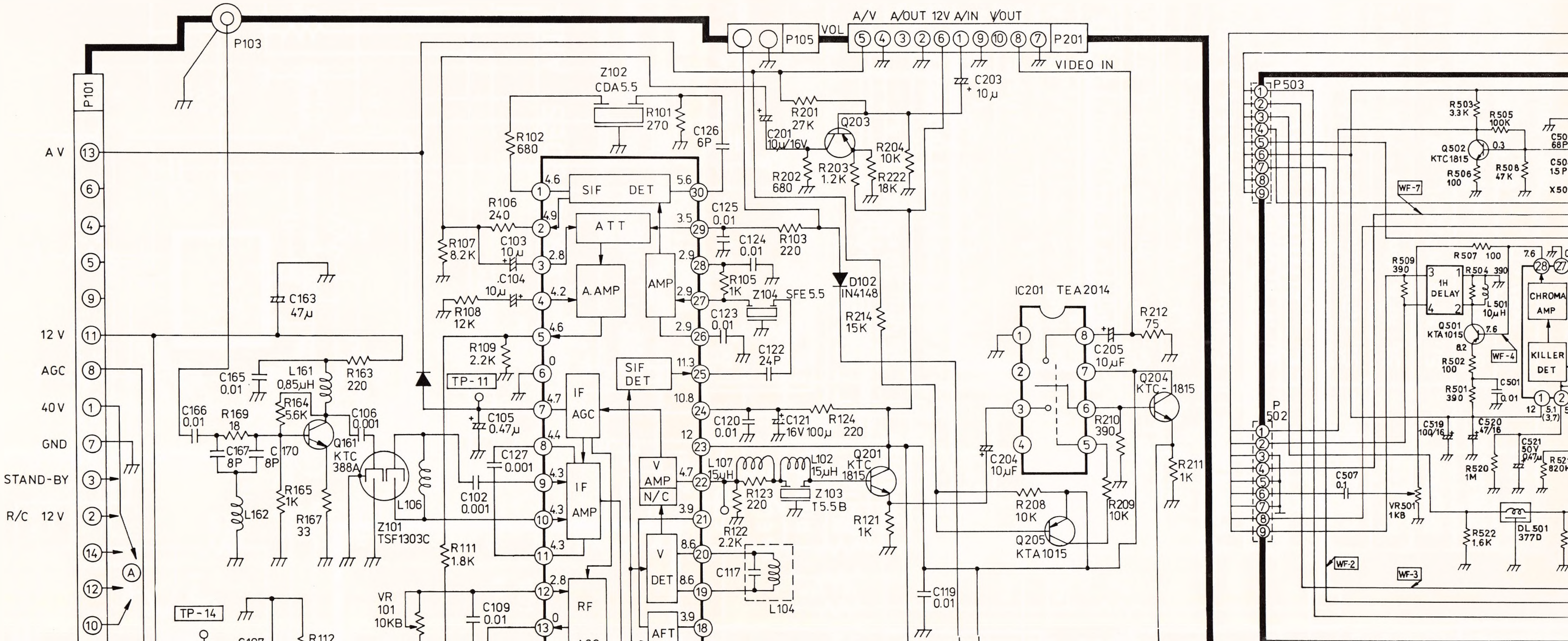
1. Voltages read with VTVM from point shown to chassis ground, line voltage 180~270 V volts, colour bar signal.
2. Voltages reading may vary ± 20 %.
3. The schematic shown is representative only.
4. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
5. Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST and COLOUR controls for best picture, make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position.
6. Waveforms are taken using a standard colour bar signal.

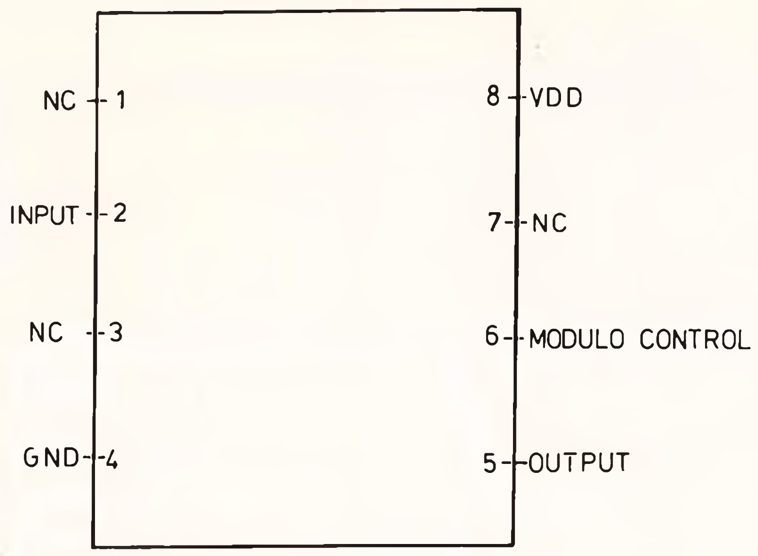
NOTICE

Since this is a basic circuit dia
The value of components and som
are subject to be changed for i

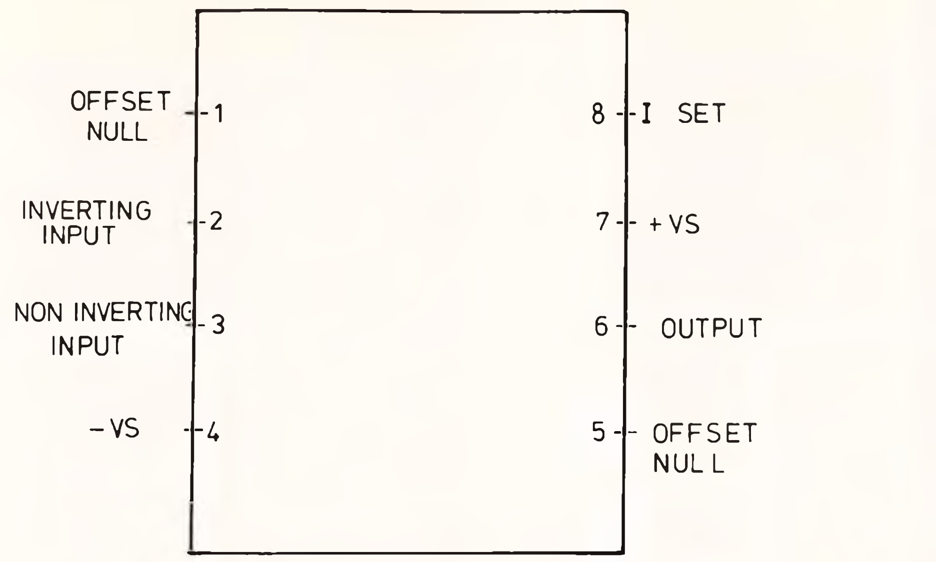
VALUE OF RESISTOR, CAPACITOR and INDUCTO

1. Resistance is shown in ohm, k = 1.000, M = 1.000.000.
2. Unless other wise noted in schematic, all capacitor values expressed in mfd and the values more than 1 in pF.
3. Unless other wise noted in schematic, all inductor values expressed in μH, and the values less than 1 in H.

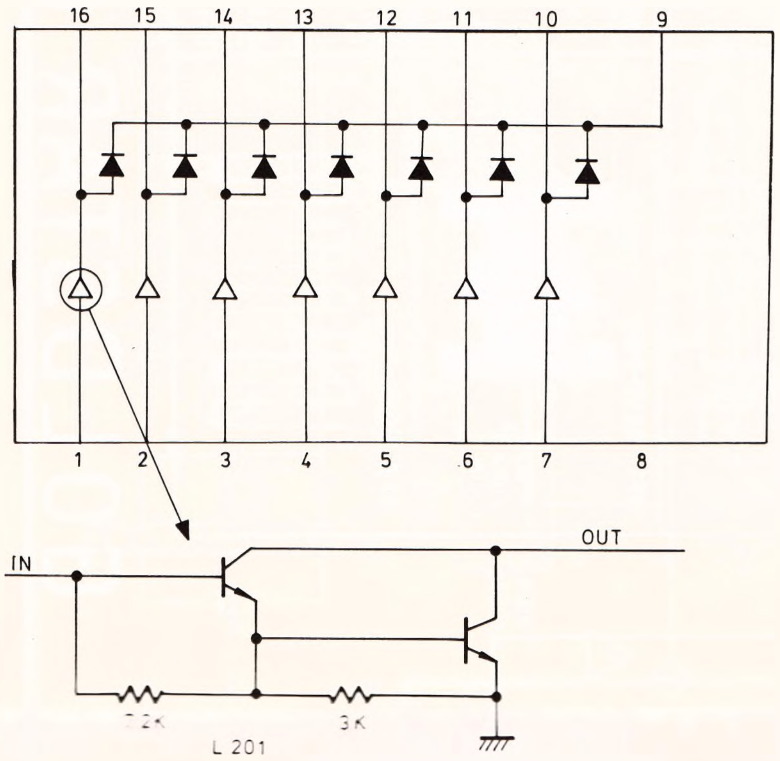




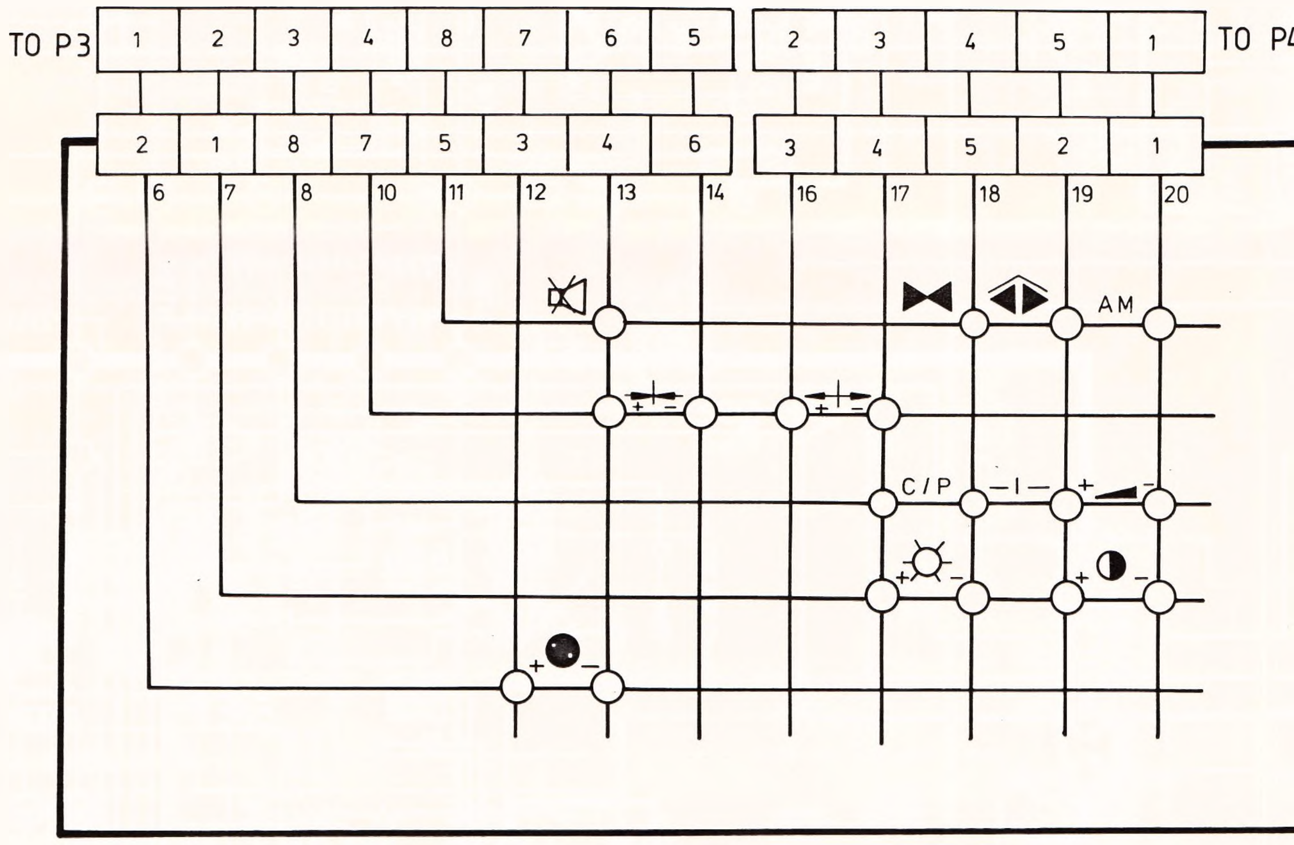
M 705



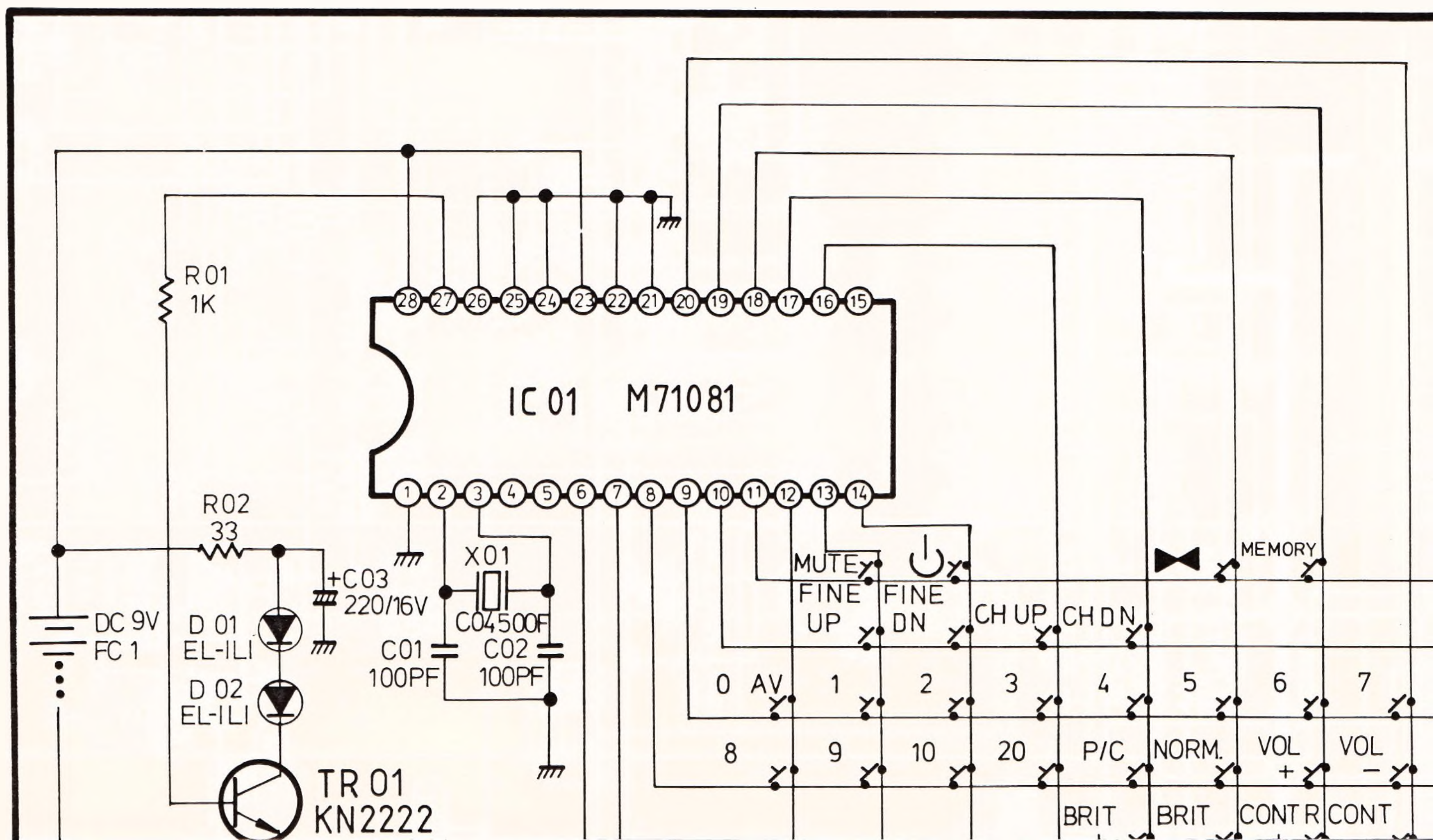
LS 776



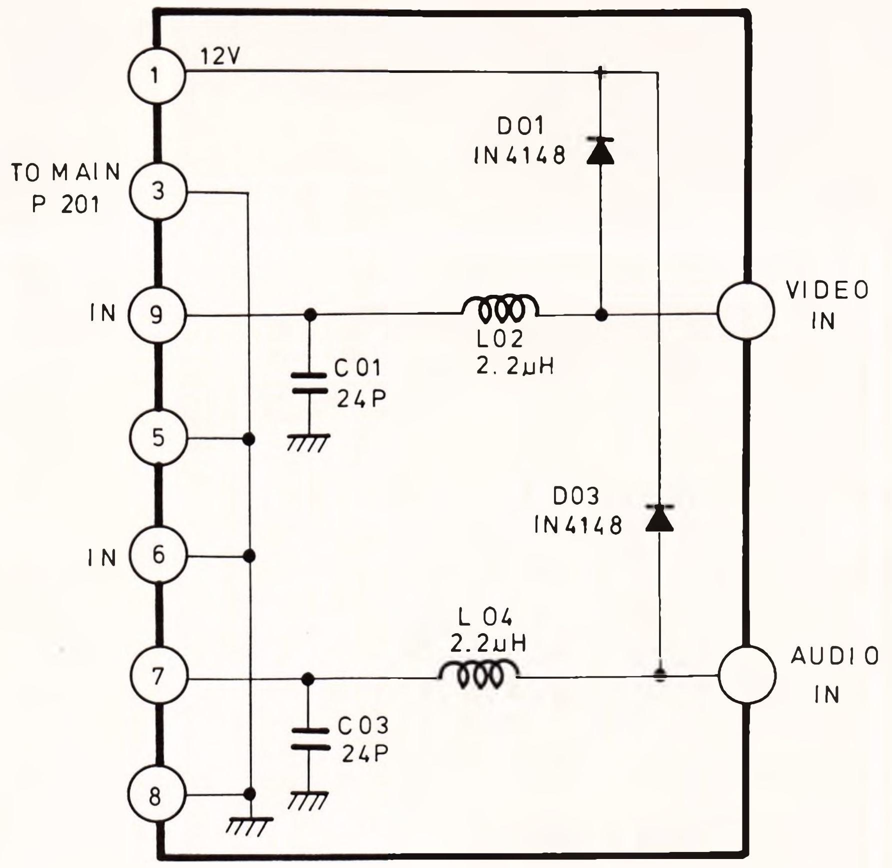
LOCAL FUNCTION KEY



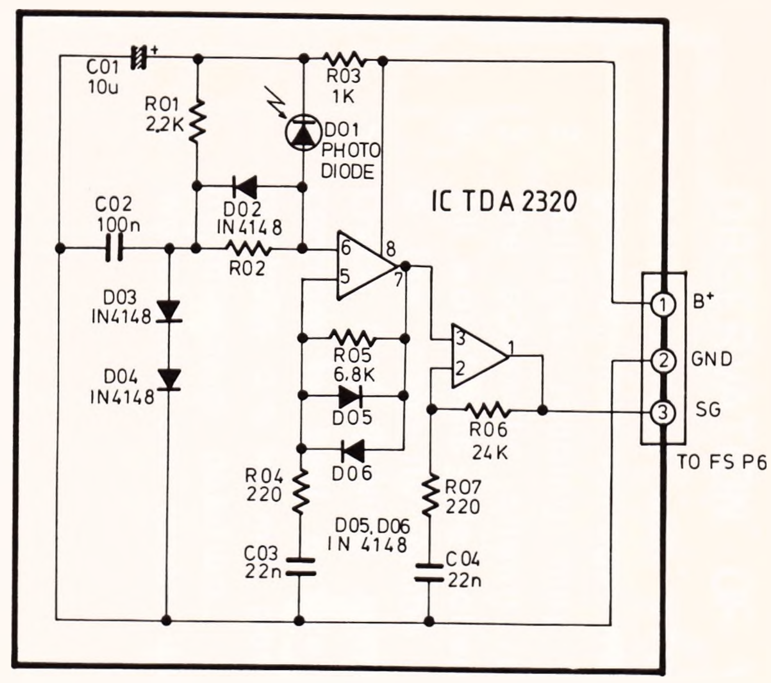
TX SCHEMATIC DIAGRAM



A / V CIRCUIT DIAGRAM



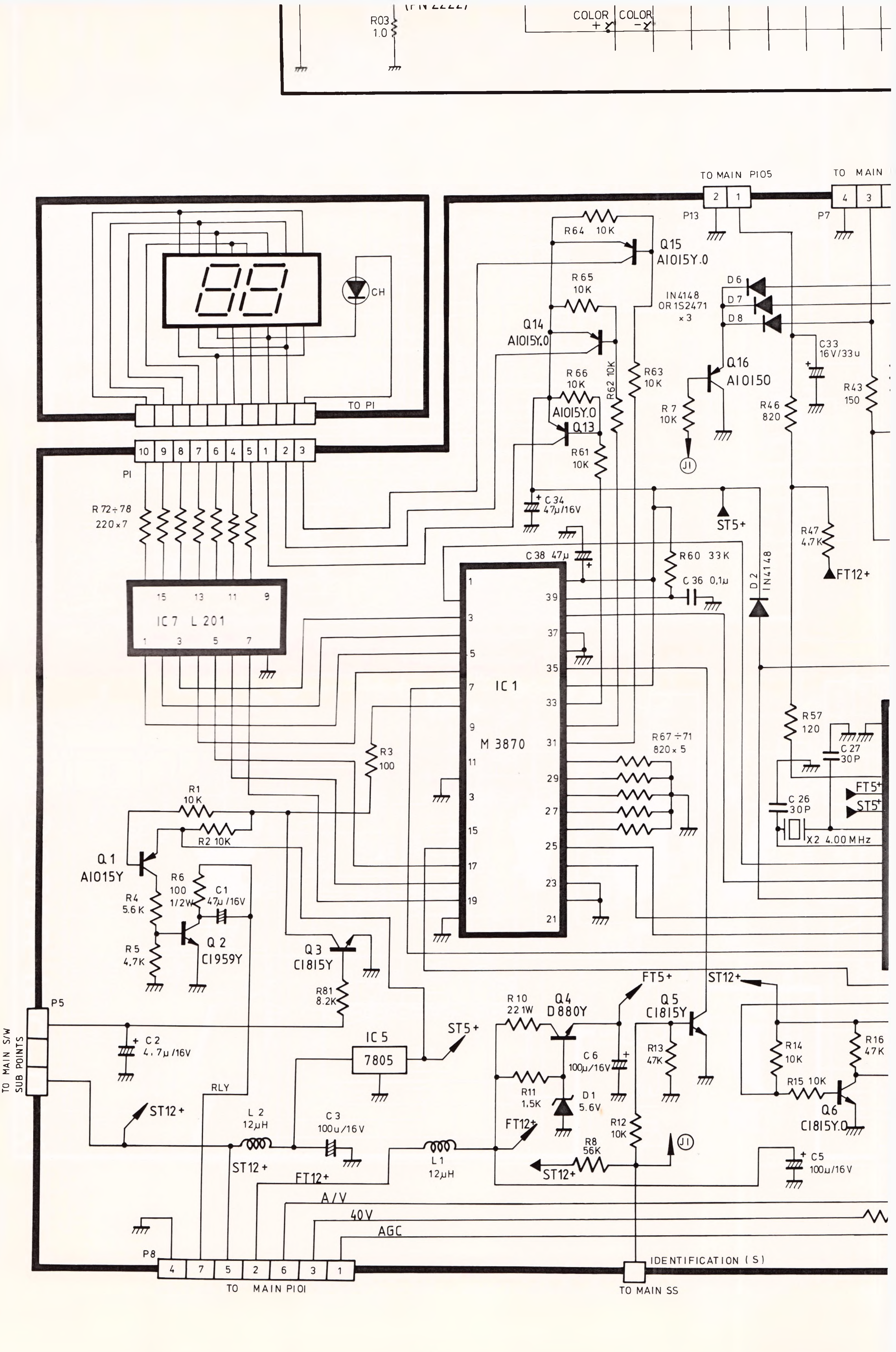
PRE – AMP



LIST OF DIODES AND TRANSISTORS

TYPE	SHORT DESCRIPTION; DATA	EQUIVALENTS
BY 298	Si; TV-RECT; 500 V; 2A; < 500 ns;	RGP30M
ERB24-06D	Si; Uni; RECT; FAST REC.; 600 V; 1A; 200 ns;	RGP30M
EL-1L1		
RGP15A ÷ M	Si; RECT; SWITCH; 50 ÷ 1000 V; 1.5 A; < 50 ÷ 500 ns;	RGP30M
RU1AV	~BY298	RGP30M
1N4001÷7	Si; Uni; 50 ÷1000 V; 1A;	
1N4148	Si; FAST SWITCH; 100 V; 0.2 A; <4 ns;	
1S2471	Si; FAST SWITCH; 90 V; 0.13 A; <4 ns;	1N4148
	TRANSISTORS	
BF421 A; (S)	Si; PNP; Vid; 300 V; 0.5 A; 0.02 A (S); 0.8 W;	
BU508A	Si; NPN; CTV-HA; 1500/700 V; 8 A; 125 W;	
KTA 1015	Si; PNP; Uni; 50 V; 0.15 A; 0.4 W; > 80 MHz;	BC 556
KTC 388A	Si; NPN; TV-ZF; 400 MHz;	BF 199
KTC 1815	Si; NPN; Uni; 60 V; 0.15 A; 0.4 W; > 80 MHz;	BC 546
KTC 1959	Si; NPN; Uni; 35 V; 0.5 A; 0.5 W; 300 MHz;	BC 639
KTC 2068	Si; NPN; Vid-E; 300 V; 0.05 A; 95 MHz;	BF 759
KTC 2235	Si; NPN; Uni; 120 V; 0.8 A; 0.9 W; 120 MHz;	(BC 639)
KN 2222	Si; NPN; Uni; 60 V - 75V; 0.8 A; 0.5 W; B>100; > 250 MHz;	BC 639 PN 2222
2SD880	Si; NPN; NF/S-L; 60 V; 3 A; 30 W; 3 MHz;	BD243C
2SD1402	Si; NPN; TV-HA; 1500 V; 5 A; 120 W;	BU508A
2SD1911	Si; NPN+ Di; TV-HA; 1500/600 V; 5 A; 50 W;	S2055AF

ABBREVIATIONS



R03 1.0
COLOR + COLOR -
TO MAIN P105
TO MAIN
P13
P7
R64 10K
Q15 A1015Y.0
R65 10K
Q14 A1015Y.0
IN4148 OR 1S2471 x3
D6 D7 D8
C33 16V/33u
Q16 A1015O
R43 150
R46 820
R7 10K
R66 10K
R62 10K
R63 10K
A1015Y.0 Q13
R61 10K
CH
TO P1
P1
R 72÷78 220x7
C34 47μ/16V
ST5+
R47 4.7K
FT12+
C38 47μ
R60 33K
C36 0,1μ
D2 IN4148
IC7 L 201
IC 1
M 3870
R3 100
R67÷71 820x5
R57 120
C27 30P
C26 30P
FT5+
ST5+
X2 4.00 MHz
R1 10K
R2 10K
Q1 A1015Y
R6 100 1/2W
C1 47μ/16V
R4 5.6K
R5 4.7K
Q2 C1959Y
Q3 C1815Y
R81 8.2K
P5
TO MAIN S/W SUB POINTS
C2 4.7μ/16V
IC5 7805
ST5+
R10 22 1W
Q4 D880Y
FT5+
ST12+
Q5 C1815Y
R14 10K
R16 47K
C6 100μ/16V
R13 47K
R11 1.5K
D1 5.6V
R15 10K
Q6 C1815Y.0
RLY
ST12+
L2 12μH
C3 100u/16V
L1 12μH
FT12+
R12 10K
R8 56K
ST12+
J1
C5 100μ/16V
ST12+
FT12+
A/V
40V
AGC
P8
4 7 5 2 6 3 1
TO MAIN P101
IDENTIFICATION (S)
TO MAIN SS

Uni - general purpose; Vid - video output stage;

E - output; ZF - intermediate frequency;

NF - audio frequency; HA - horizontal deflection;