

JVC

SERVICE MANUAL

36cm MULTI-SYSTEM COLOUR/RGB MONITOR

MODEL TM-150PSN-K



For Service Manuals
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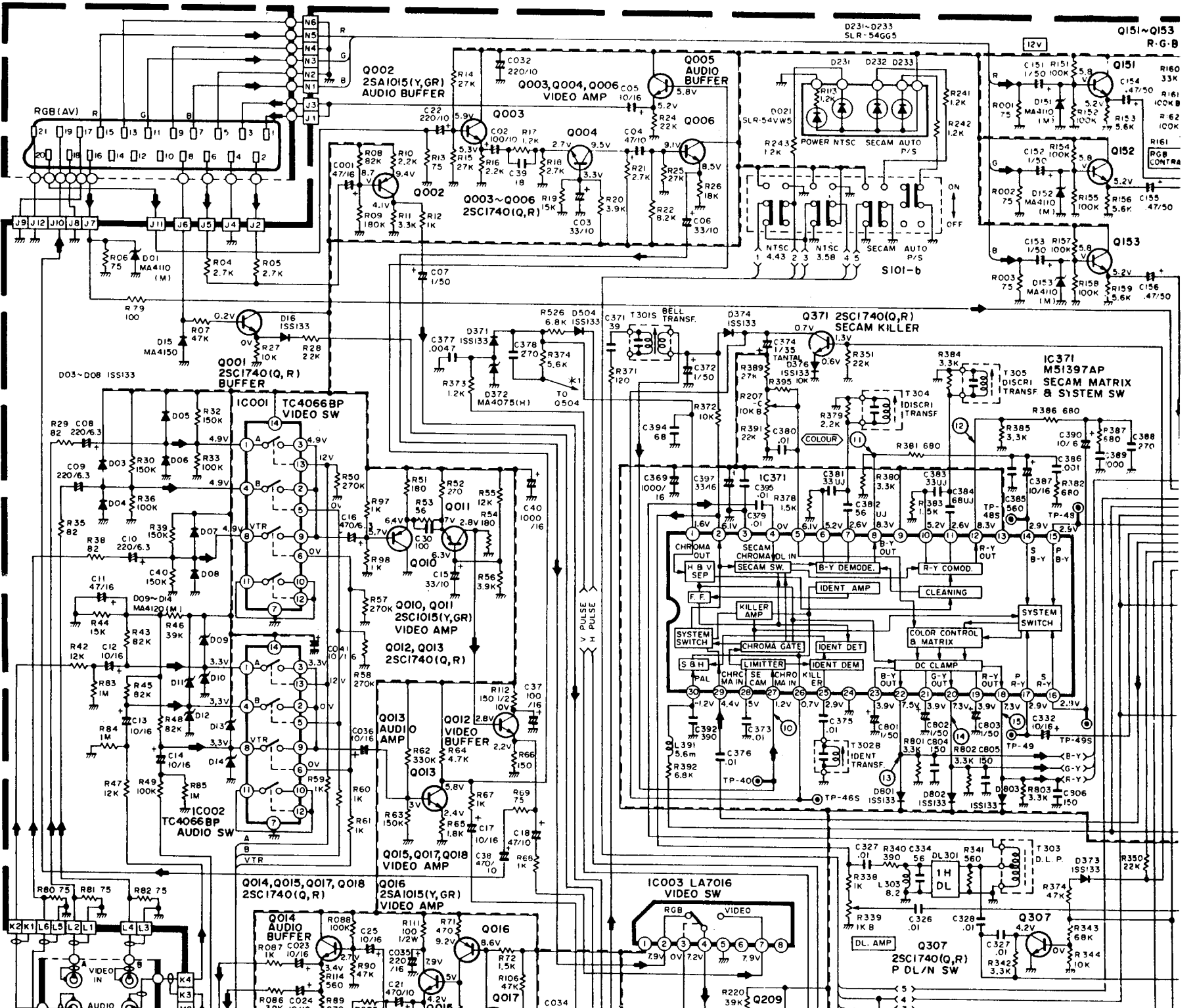
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SPECIFICATIONS

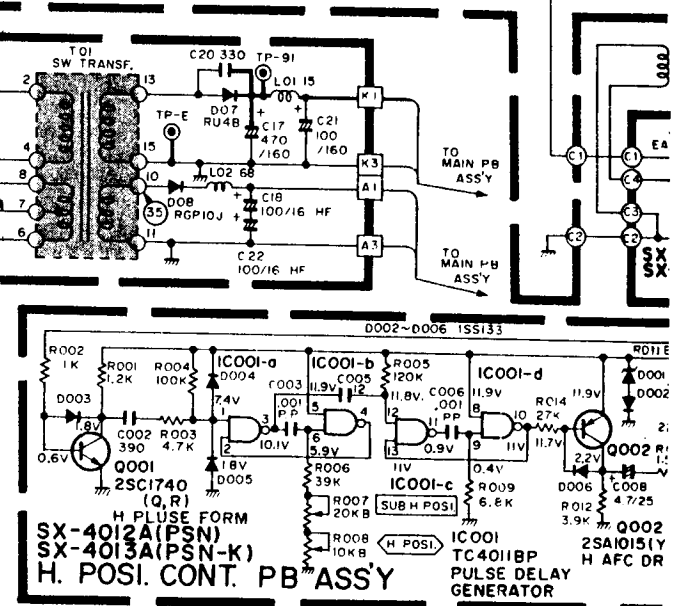
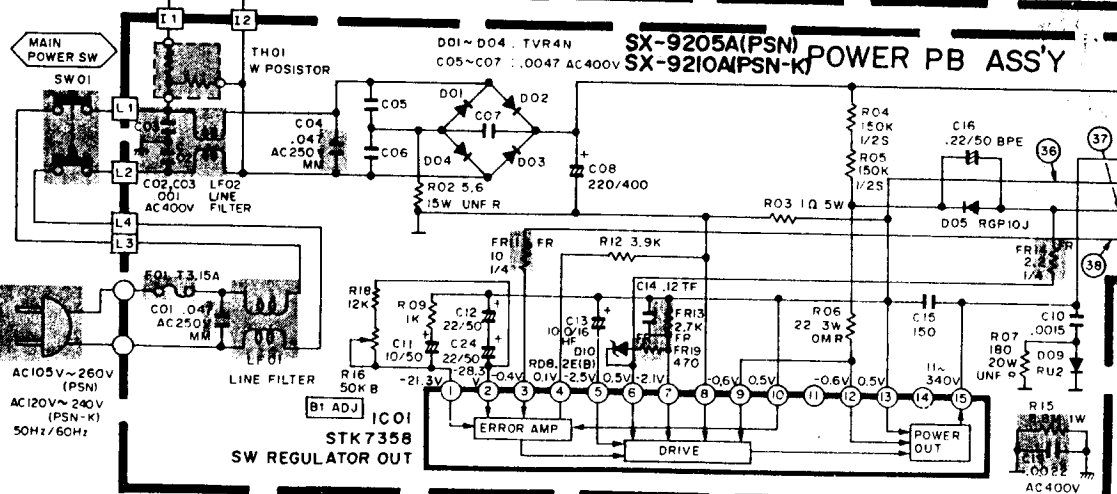
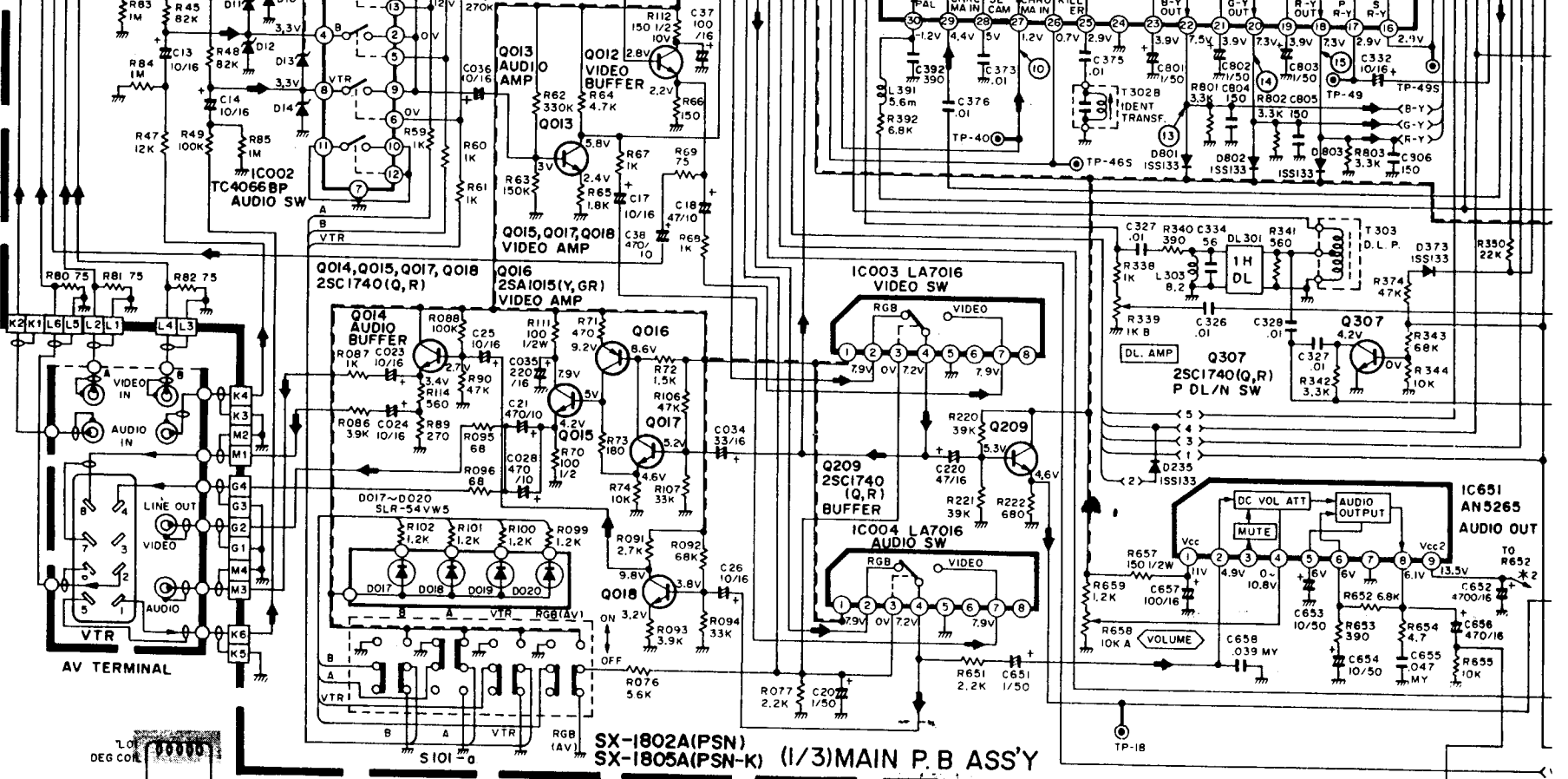
(Design and specifications subject to change without notice).

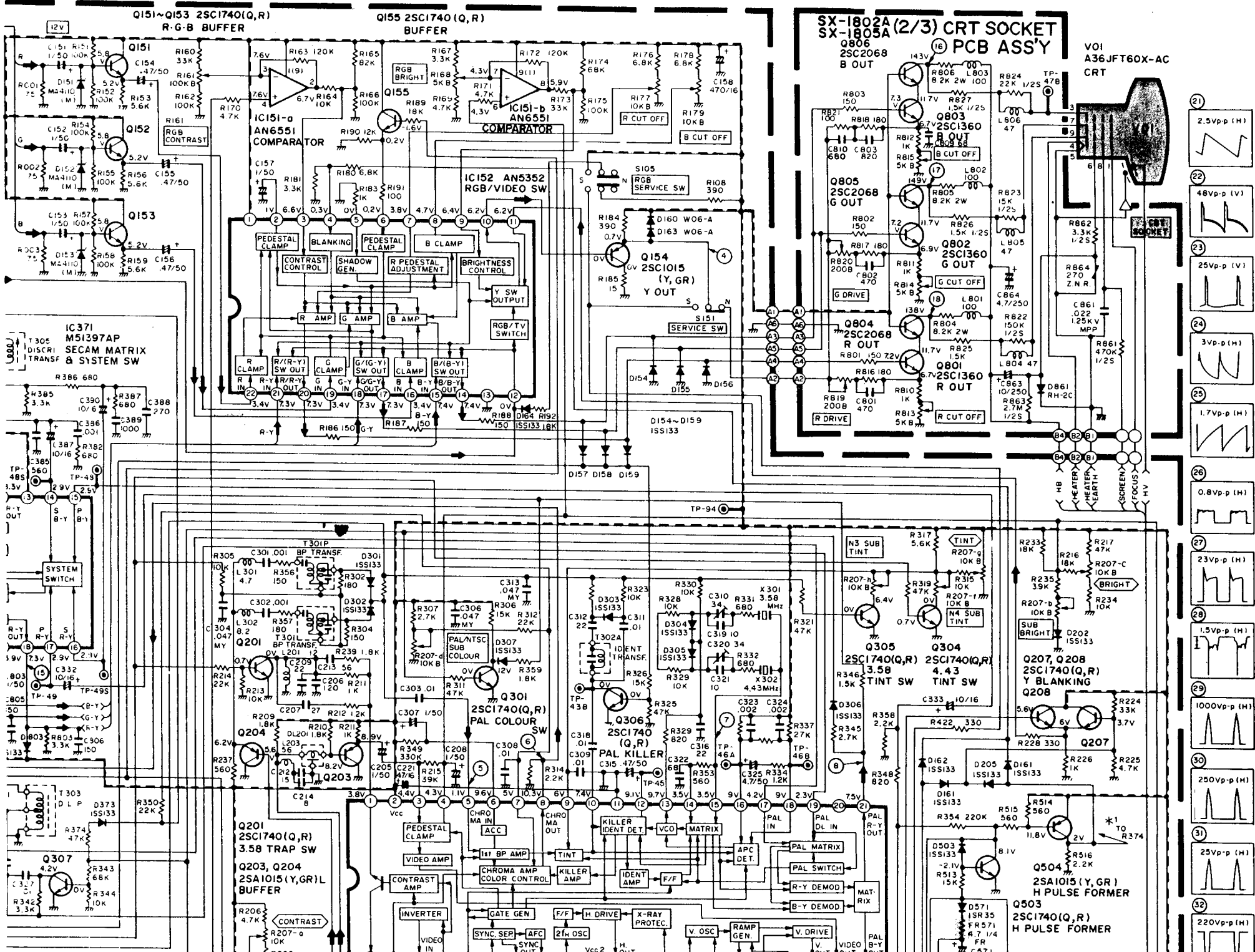
Dimensions: : 37.8 cm(W) x 40.7 cm(D) x 34.9 cm(H)	Line Output
Weight : 11.7 kg	Video 1 Vp-p, 75 Ω , BNC Type
Colour System PAL/SECAM/NTSC (3.58 MHz, 4.43 MHz)	Audio 300 mVrms (-8 dBs), Low Impedance, RCA Type
Scanning 625 Lines, 50 Hz (PAL/SECAM) 525 Lines, 60 Hz (NTSC)	RGB (AV) Connector 21 Pin Connector
Input A/B	Scan Frequency H. 15.75 kHz/15.625 kHz V. 50 Hz/60 Hz
Video 1 Vp-p, 75 Ω , BNC Type	Power Input 120 V ~ 240 V AC, 50 Hz/60 Hz
Audio 390 mVrms (-6 dBs), Hi Impedance, RCA Type	Power Consumption 75 W (max.)
VTR (EIAJ 8 Pin)	Picture Tube 36 cm In-Line Type
Video Input 1 Vp-p, 75 Ω	Viewable Picture Size 28.5 cm(W) x 21.3 cm(H)
Video Output 1 Vp-p, 75 Ω	High Voltage 24.5kV \pm 1 kV (at zero beam current)
Audio Input 1 Vrms (2.2 dBs), Hi Impedance	Speaker 8 cm round type, 8 Ω
Audio Output 100 mVrms (-17.8 dBs), Low Impedance	Audio Power Output 1.5 W

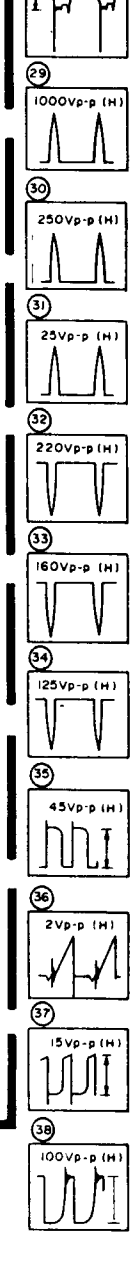
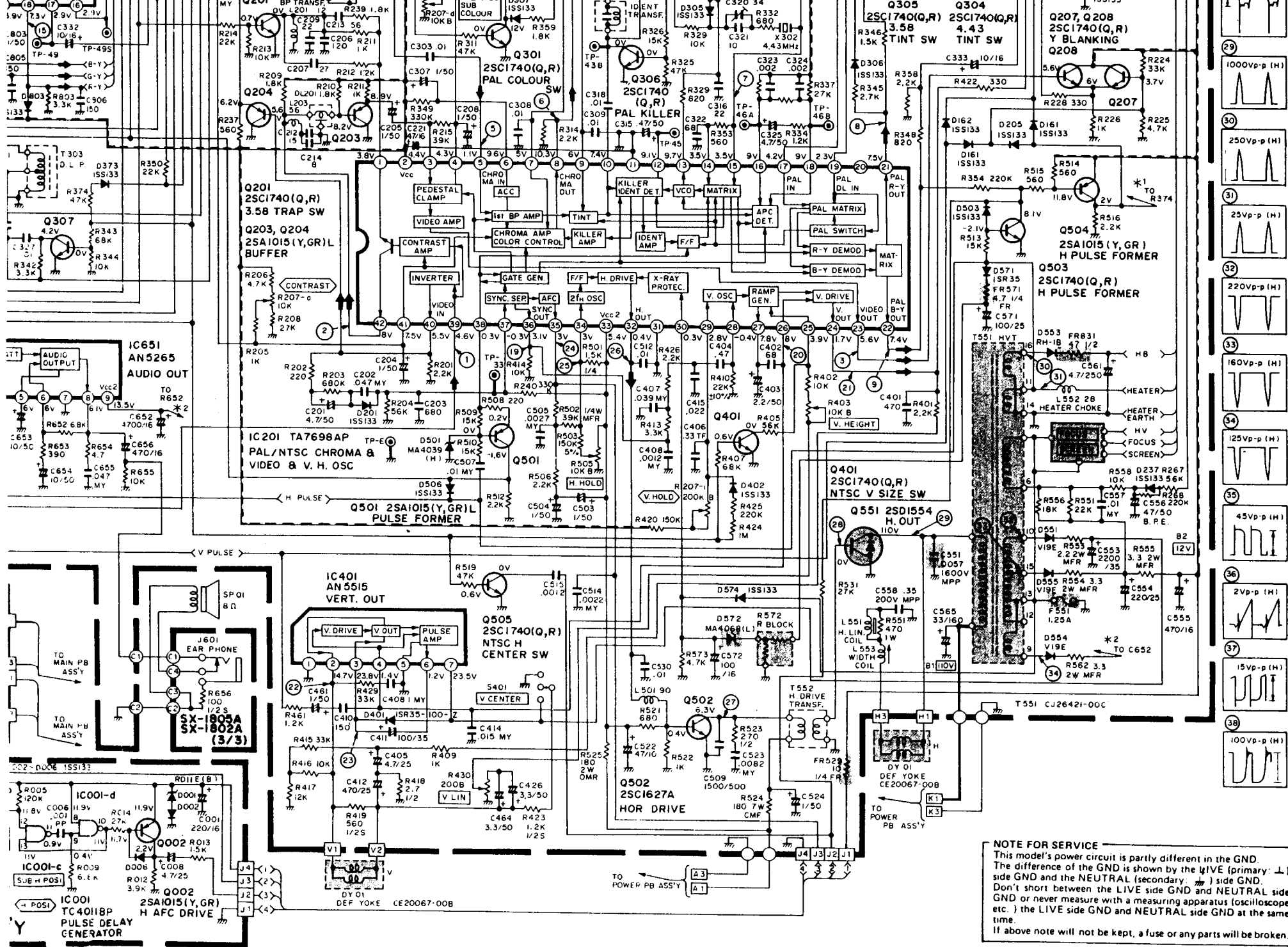
- 1 1.6Vp-p (H)
- 2 0.8Vp-p (H)
- 3 2.8Vp-p (H)
- 4 4Vp-p (H)
- 5 0.3Vp-p (H)
- 6 0.2Vp-p (H)
- 7 0.2Vp-p
- 8 1.3Vp-p (H)
- 9 1Vp-p (H)
- 10 0.2Vp-p (H)
- 11 2.5Vp-p (H)
- 12 2.2Vp-p (H)
- 13 4Vp-p (H)



- 10 PAL/NTSC
- 11 0.2Vp-p (H) SECAM
- 12 2.5Vp-p (H) SECAM
- 13 2.2Vp-p (H) SECAM
- 14 4Vp-p (H)
- 15 2Vp-p (H)
- 16 3.5Vp-p (H)
- 17 84Vp-p (H)
- 18 80Vp-p (H)
- 19 90Vp-p (H)
- 19 6.5Vp-p (H)
- 19 6.5Vp-p (H)
- 20 2Vp-p (V)

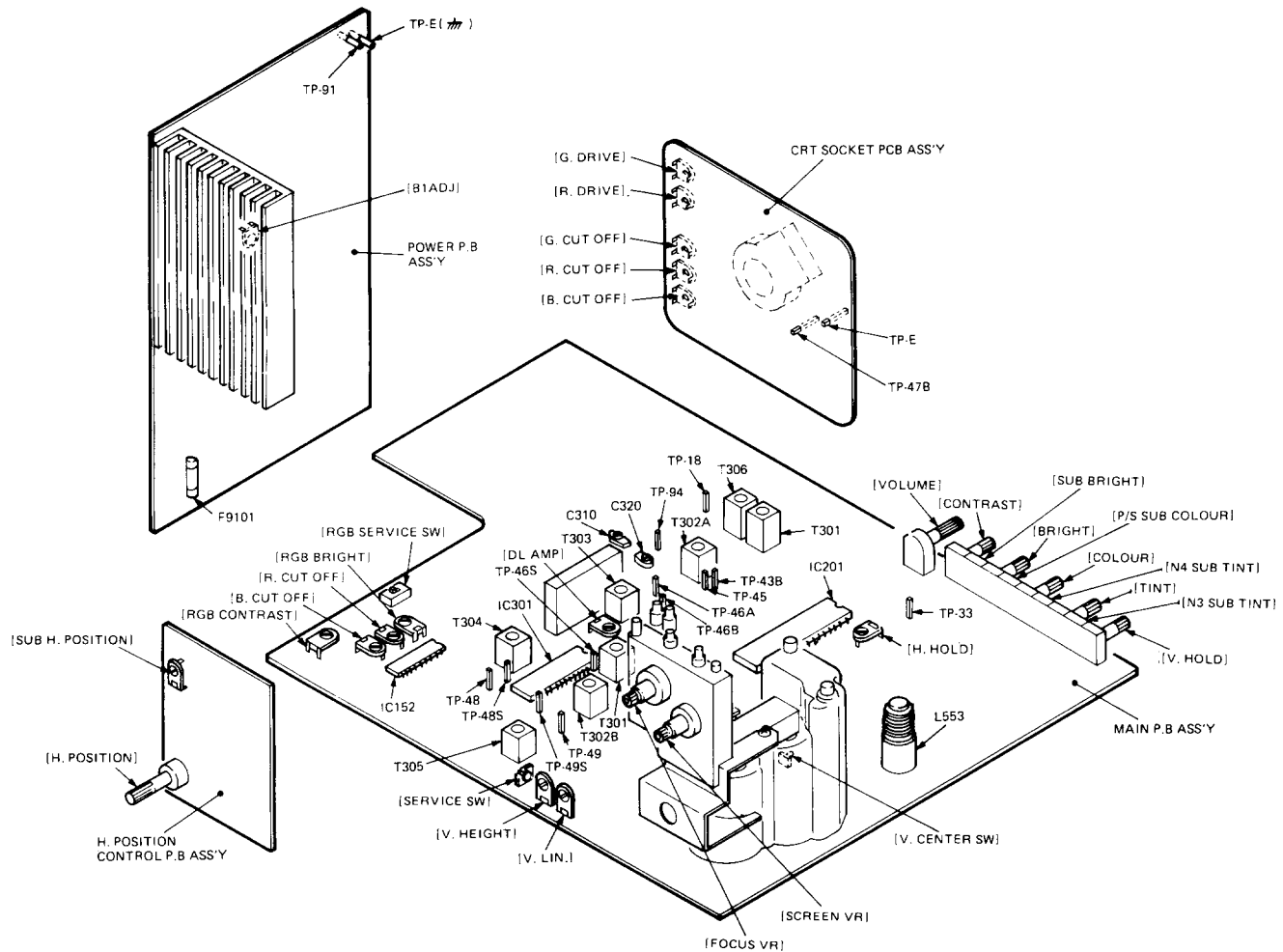






NOTE FOR SERVICE
 This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE (primary: ⊥) side GND and the NEUTRAL (secondary: ≡) side GND. Don't short between the LIVE side GND and NEUTRAL side GND or never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and NEUTRAL side GND at the same time. If above note will not be kept, a fuse or any parts will be broken.

■ ALIGNMENT LOCATION



* DIFFERENT VOLTAGE LIST

MAIN P.B. ASS'Y

System SW Position	IC001			IC002			IC003	IC004	IC152		
	IC No. IC Pin No.										
VIDEO A	5	6	13	5	6	13	3	3	16	19	22
VIDEO B	0	0	12	0	0	12	0	0	3.4	3.4	3.4
VTR	12	0	0	12	0	0	0	0	3.4	3.4	3.4
RGB (AV)	0	12	0	0	12	0	0	0	2.1	2.1	2.1
	0	0	0	0	0	0	3.8	3.8	2.1	2.1	2.1

System SW Position	IC201					IC371						
	IC No. IC Pin No.											
PAL	6	7	9	12	19	4	6	10	26	27	28	29
SECAM	9.6	5	6	9.1	2.3	0	5.2	5.2	0.7	1.2	5	4.4
NTSC (4.43)	9.9	0.1	6.4	6.9	4.2	2.9	4.2	4.2	10.2	6.1	6.1	5.4
NTSC (3.58)	9.6	0.1	6.4	6.5	2.3	0	5.2	5.2	0.7	1.2	5	4.4
	9.6	5	6	9.1	2.3	0	5.2	5.2	0.7	1.2	5	4.4

System SW Position	Q154			Q201			Q301			Q304			Q305		
	Tr Symbol Electrode														
PAL	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
SECAM	0	0.7	0	0.7	0	0	0	12	0	0.7	0	0	0	6.4	0
NTSC (4.43)	0	0.7	0	0.7	0	0	0	12	0	0.7	0	0	0	6.3	0
NTSC (3.58)	0.7	0	0	0.7	0	0	0.7	0.1	0	0	6.0	0	0.7	0	0
	0.7	0	0	0	0	0	0.7	0.1	0	0.7	0	0	0	6.3	0

System SW Position	Q306			Q307			Q371			Q401			Q505		
	Tr Symbol Electrode														
PAL	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
SECAM	0	0	0	0	4.2	0	1.3	0.7	0.6	0.6	0	0	0.6	0	0
NTSC (4.43)	0.7	0	0	0	4.2	0	0.3	10.2	0	0	3.9	0	0	0.7	0
NTSC (3.58)	0	0	0	0.6	0	0	1.3	0.7	0.6	0.6	0	0	0.7	0	0
	0	0	0	0.6	0	0	1.3	0.7	0.6	0.6	0	0	0.6	0	0