

1084S-Diag

COMMON PROBLEMS AND DIAGNOSTICS

1. If you see a blinking power LED on the front panel and hear a ticking sound coming from the monitor but it will not start up, suspect an open capacitor in the power supply. C111 is a 1uF 50V electrolytic that can cause that problem. The fuse F101 (4A) will not blow. Also check or just replace C110 (10uF 50V).

2. Dead monitor, no front panel LED indication. If you find resistor R106 (1 ohm 2 Watt) open, the main switching IC (I101) is probably shorted. This usually blows the input fuse F101 (4A). Change the above two electrolytic caps along with the IC and resistor before you power up the monitor, and check the resistance of the supply lines on the secondary side of the supply to see if there are any overloads there. Clean off the heat sink and apply fresh heat sink grease to the IC before you mount the new part.

If the 110VDC supply line reads low or shorted (measure D103 cathode to ground resistance), check the H output transistor Q202. If it's shorted, check all the solder connections (or just resolder to be sure) in the H sweep circuit, especially the H driver transformer T201 and all solder connections on the flyback (line output transformer) T202.

3. Vertical collapse (just horizontal line across the screen). Check the solder connections on I301 or just resolder all the pins. Always use fresh solder... don't just reflow the old. If that doesn't fix it, check resistor R238 (1 ohm 1 Watt) to see if it's open. If so, check diode D211 for shorts.

If the picture is stretched or shrunk vertically, check (or just replace) all the small electrolytic caps in the vertical circuit. Don't try to adjust out a fault like that... it will not fix the problem and running it that way could cause a major failure like the vertical IC.

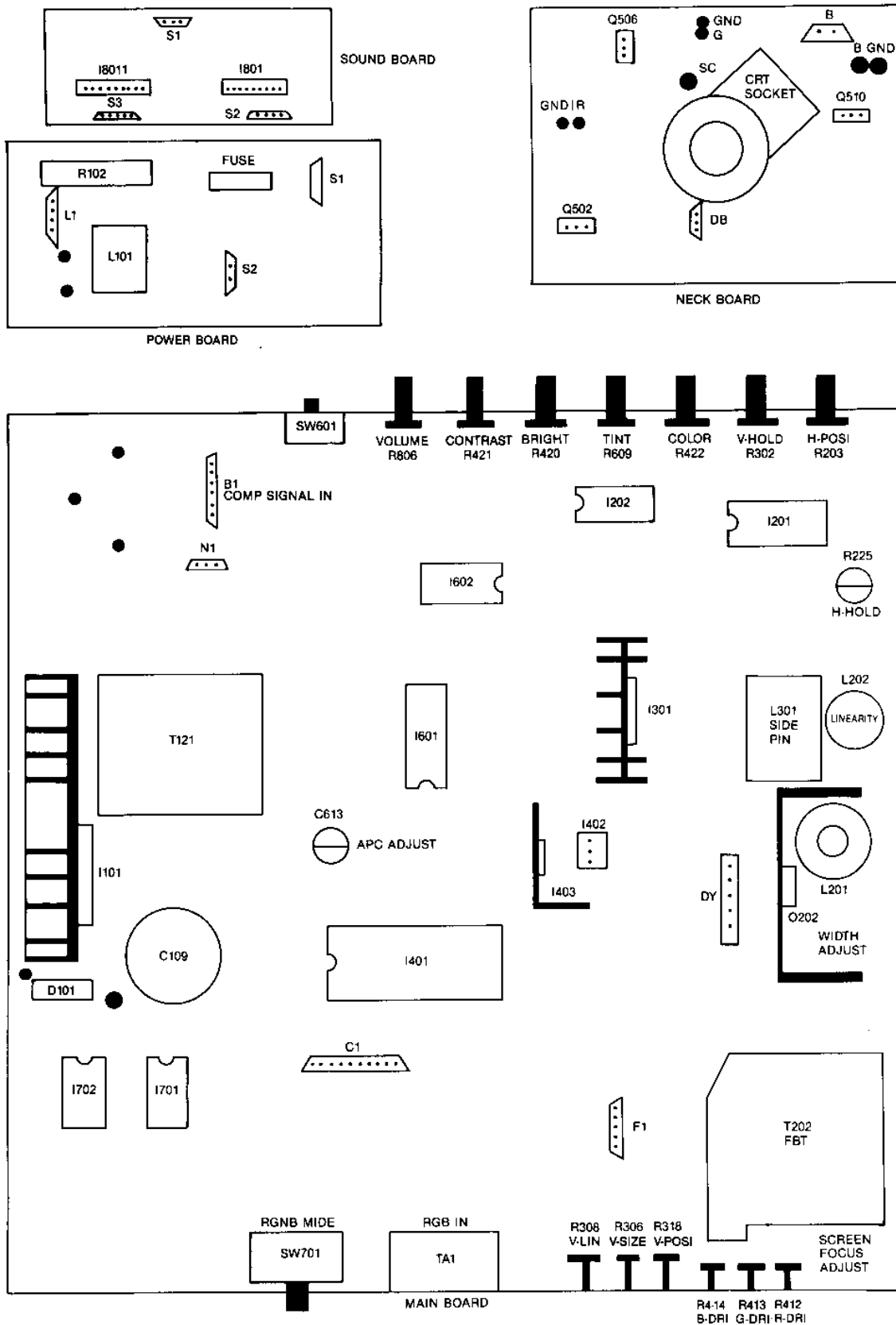
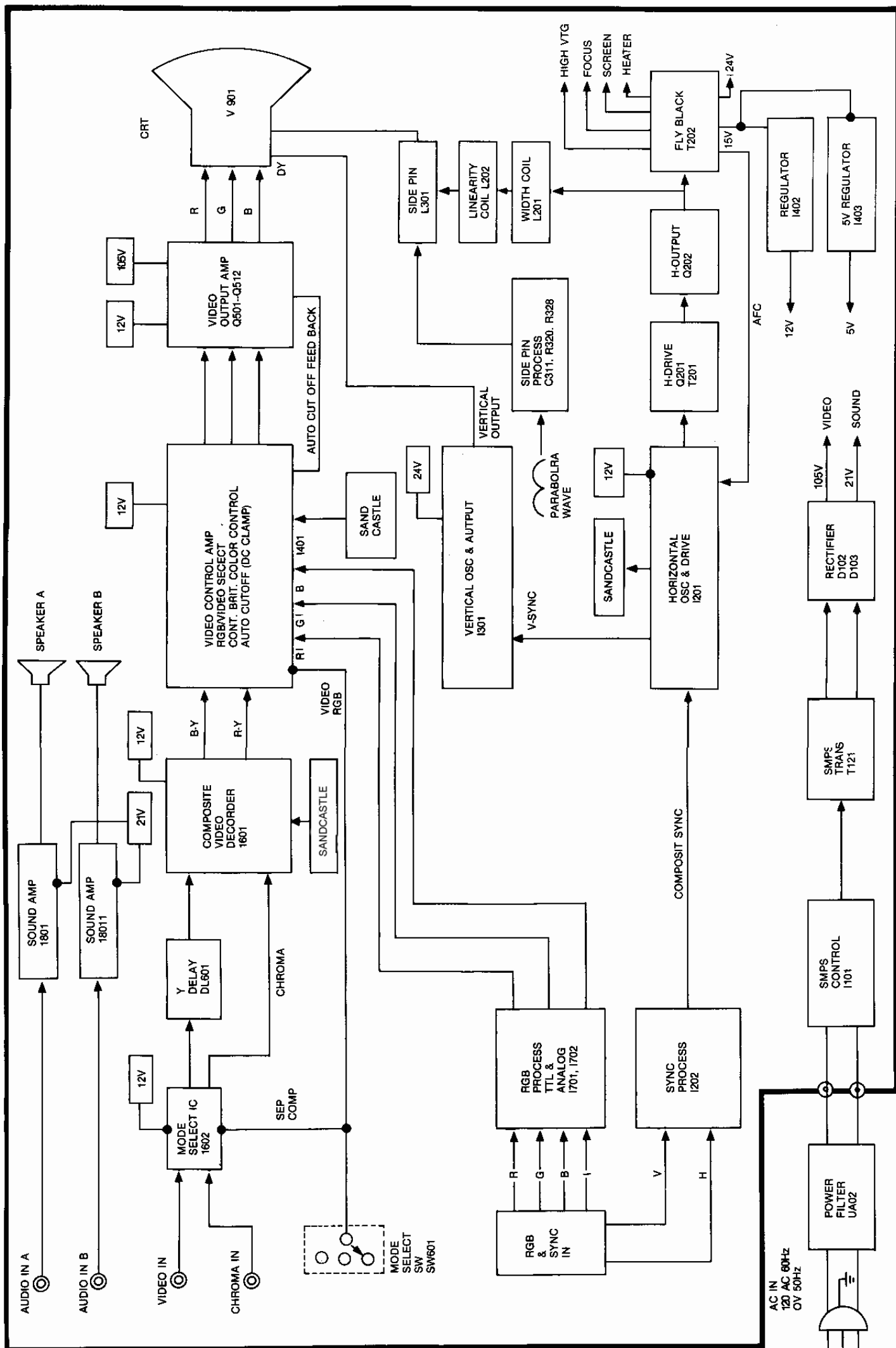
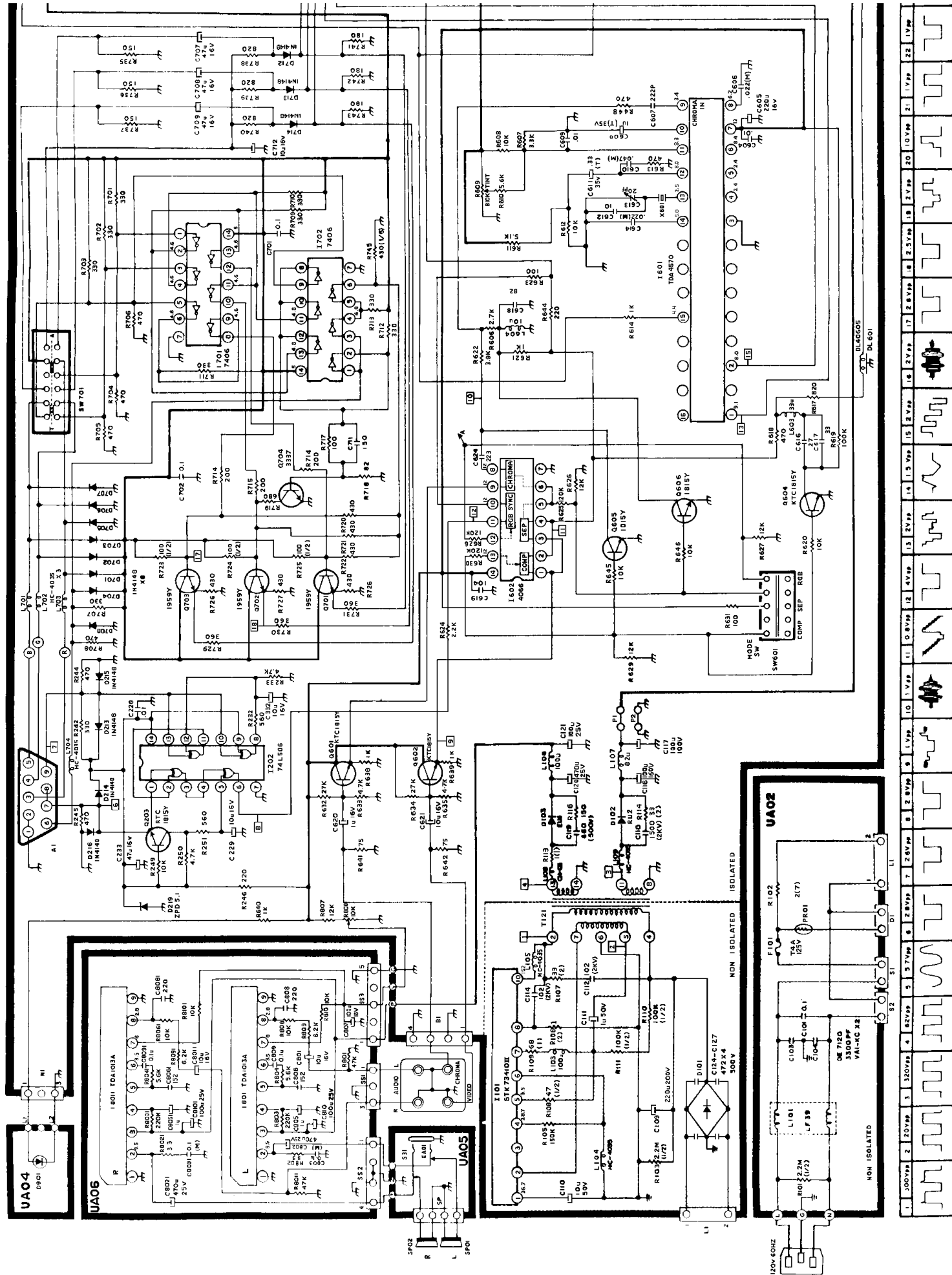


Fig. 2





1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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