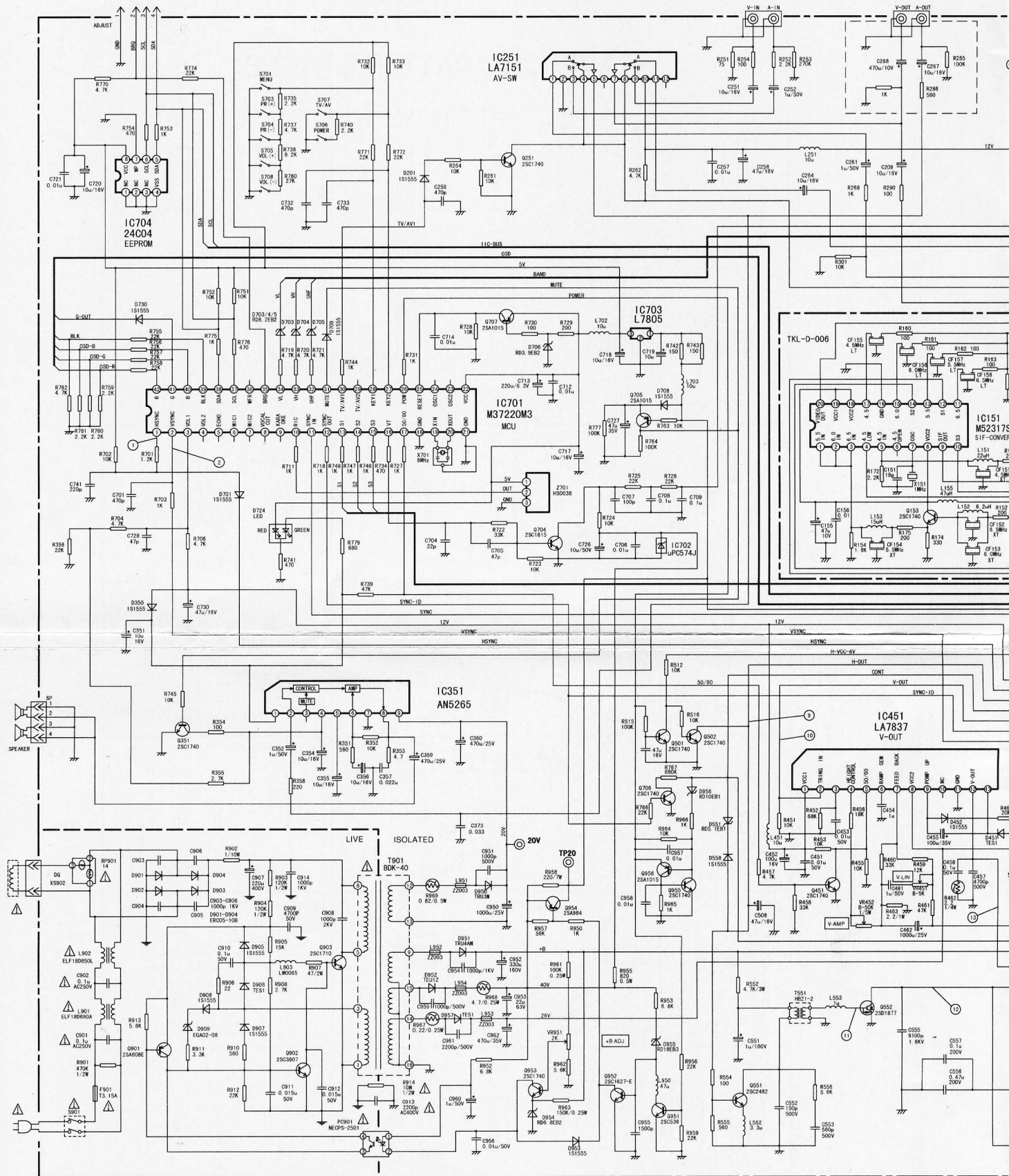
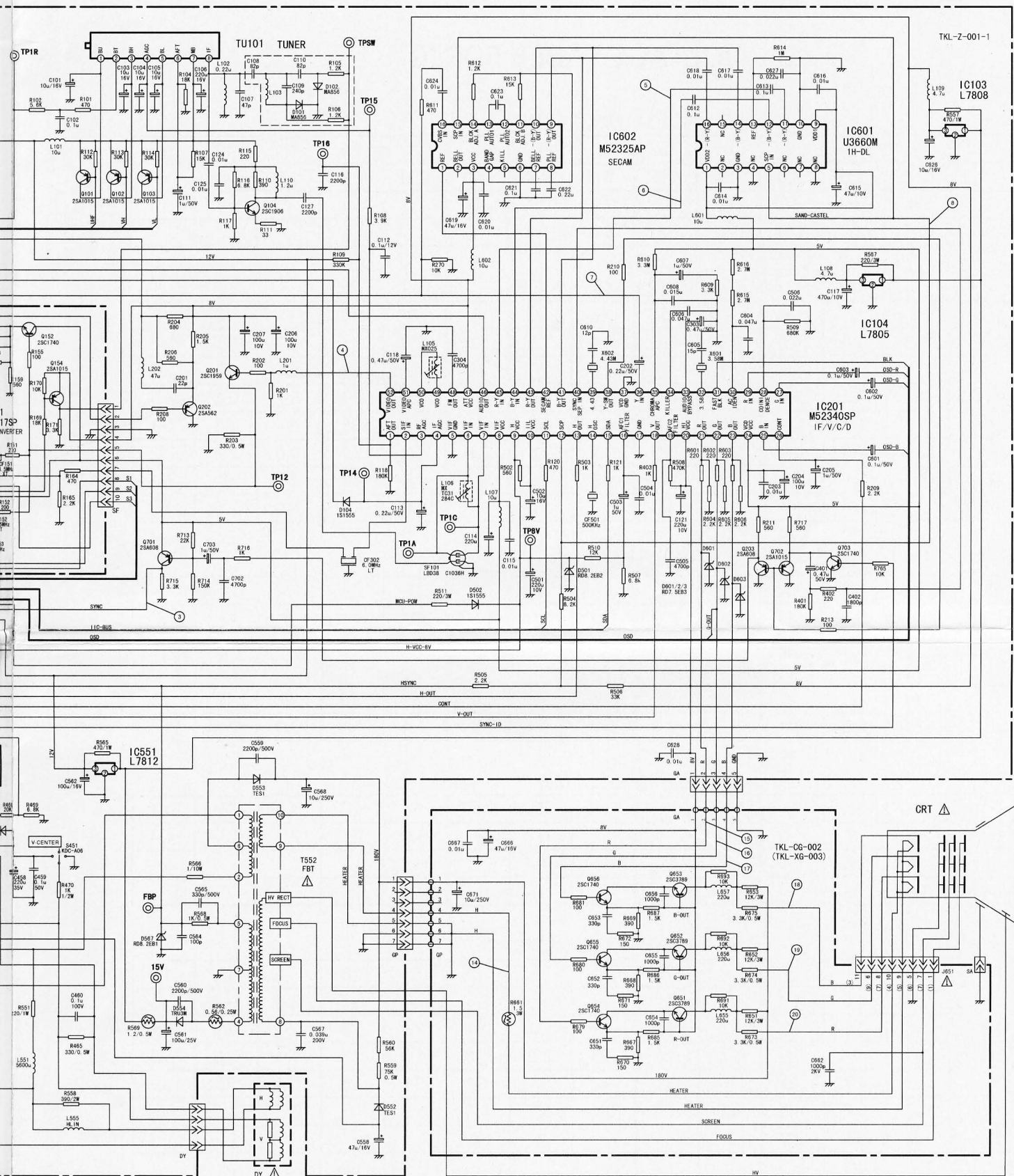


T-2188MJ Basic Circuit Diagram



- Notes: 1. All unmarked resistors are carbon 1/6W resistor. Unit of resistance is "Ω", K=1,000, M=1,000,000 .
 2. All unmarked capacitors are ceramic 50V capacitor.
 3. The number in the circle correspond with the Waveform Pattern Table at the back.

4. The area at left-down corner enclosed with dotted line directly with AC power supply. Repairing the circuit in the area, it's ne connect isolated transformer between the TV set and AC power.
 5. This is a basic circuit diagram, subject to change without notice.



The components marked with "⚠" have special characteristics important to safety. So only the manufacture's parts can be used for replacement.

ORION®

VOLTAGE TABLE FOR IC

IC151 M52317SP

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Volt(V)	2.0	2.0	2.0	3.4	2.5	0.0	2.2	5.0	2.0	5.0	1.9	0.1	1.9
Pin	14	15	16	17	18	19	20						
Volt(V)	0.1	2.0	0.0	2.0	5.0	5.0	1.9						

IC201 M52340SP

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Volt(V)	4.3	1.9	7.5	2.6	0.0	1.5	1.5	5.0	8.0	1.5	0/5	0/5	1.5
Pin	14	15	16	17	18	19	20	21	22	23	24	25	26
Volt(V)	4.3	0/5	5.5	0.0	7.0	4.8	8.0	2.9	2.9	2.9	5.0	2.6	3.3
Pin	27	28	29	30	31	32	33	34	35	36	37	38	39
Volt(V)	2.6	7.5	2.6	3.9	0.0	3.2	2.5	3.8	3.3	2.3	0.0	2.6	3.2
Pin	40	41	42	43	44	45	46	47	48	49	50	51	52
Volt(V)	6.7	2.3	1.4	2.3	3.0	3.0	3.2	8.0	3.0	4.0	4.0	2.9	3.5

IC351 AN5265

Pin	1	2	3	4	5	6	7	8	9				
Volt(V)	11.4	5.1	/	2.0	9.8	10.0	0.0	10.0	20.0				

IC451 LA7837

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Volt(V)	12.0	6.3	6.1	6.3	0.0	6.3	5.4	25.0	2.4	1.4	0.0	15.0	26.0

IC601 U3660M

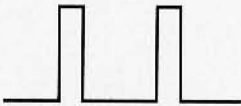
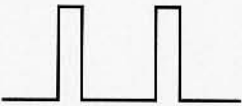
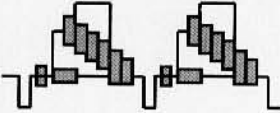
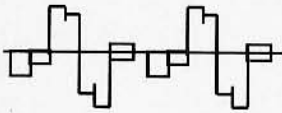
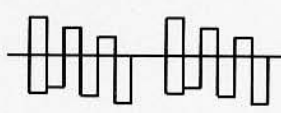
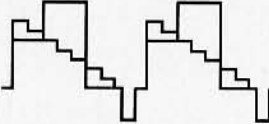
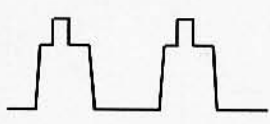
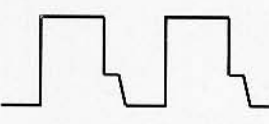
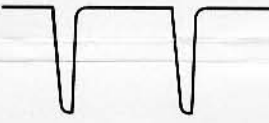
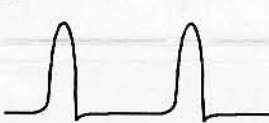
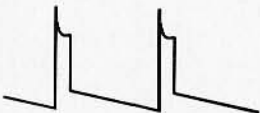
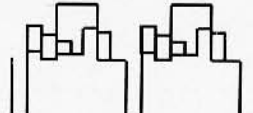
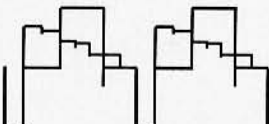
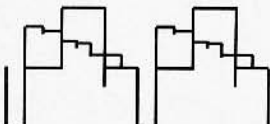
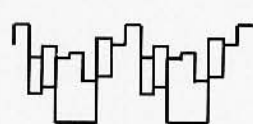
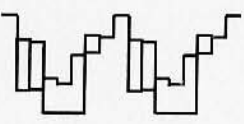
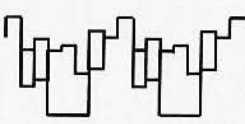
Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Volt(V)	5.0	/	0.0	/	1.1	/	/	/	5.0	0.0	2.7	2.7	1.4
Pin	14	15	16										
Volt(V)	1.4	/	1.4										

IC701 M37220M3

Pin	1	2	3	4	5	6	7	8	9	10	11	12	13
Volt(V)	0/5	0/5	0.1-11	/	/	/	/	/	/	0/5	0.5	0.5	/
Pin	14	15	16	17	18	19	20	21	22	23	24	25	26
Volt(V)	/	/	3.6	1.6	0.0	2.3	2.1	0.0	5.0	1.1	1.1	5.0	5.0
Pin	27	28	29	30	31	32	33	34	35	36	37	38	39
Volt(V)	5.0	5.0	0.0	0.0	0.0	0/5	0/5	0/5	5.0	/	0/5	0/5	0/5
Pin	40	41	42										
Volt(V)	0/5	0/5	0/5										

Note: Above DC voltage is measured with digital multimeter, inputting the signal of PAL D/K split field color bar.

WAVEFORM PATTERN TABLE

1  5.0Vp-p(64uS)	2  5.0Vp-p(20mS)	3  4.5Vp-p(64uS)
4  2.2Vp-p(64uS)	5  1.2Vp-p(64uS)	6  1.3p-p(64uS)
7  1.1Vp-p(64uS)	8  5.5Vp-p(64uS)	9  4.0Vp-p(64uS)
10  7.0Vp-p(20mS)	11  23Vp-p(64uS)	12  1150Vp-p(64uS)
13  51Vp-p(20mS)	14  24Vp-p(64uS)	15  6.5Vp-p(64uS)
16  6.5Vp-p(64uS)	17  6.5Vp-p(64uS)	18  140Vp-p(64uS)
19  140Vp-p(64uS)	20  140Vp-p(64uS)	

Note: Above waveform is measured inputting the signal of split field color bar.