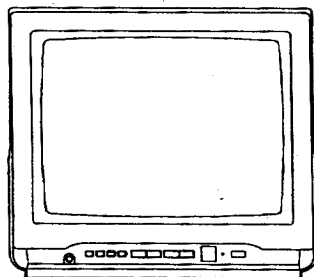


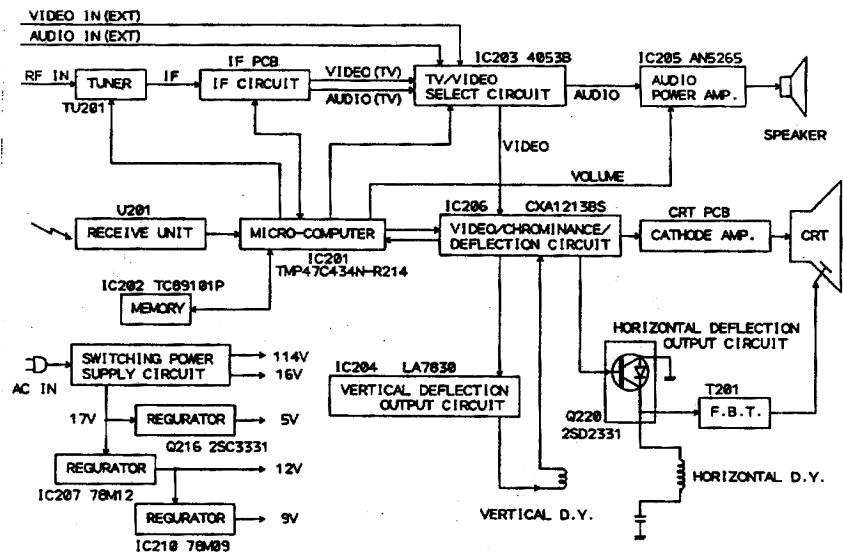
# 14" COLOR TELEVISION TV-1400A MK7



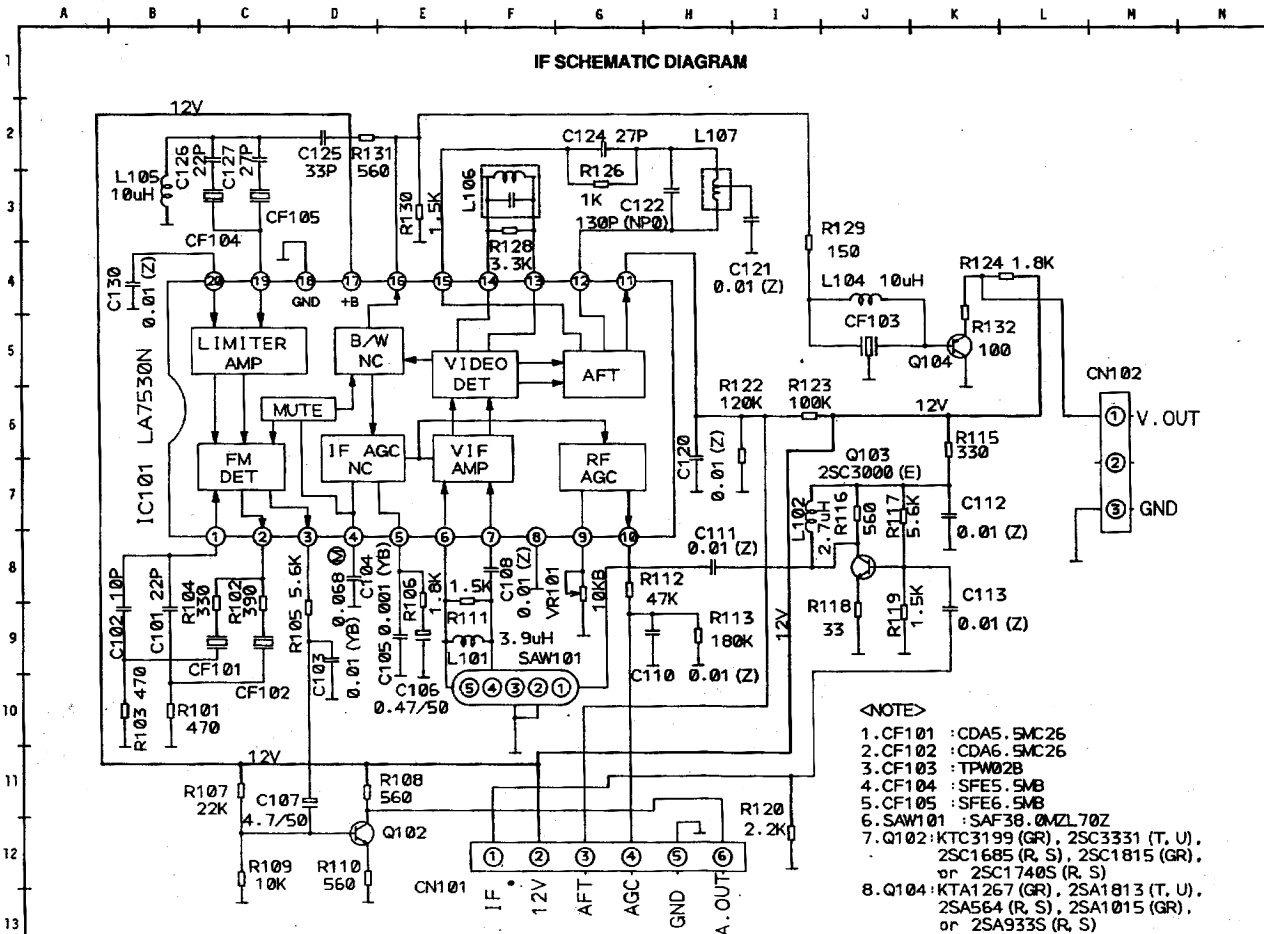
Pin No.	IC101	IC201	IC205
1	5.7	4.6	2.8
2	4.7	3.5	4.3
3	5.4	2.6	5.8
4	3.9	2.0	4.6
5	3.9	*5.0-0.1	5.8
6	4.3	0	5.8
7	4.3	5.0	6.6
8	0	0	4.4
9	1.4	2.4	NC
10	4.8	2.5	4.4
11	6.0	2.5	0
12	3.8	5.0	0
13	8.4	5.0	0
14	8.4	5.0	0
15	3.8	5.0	3.1
16	4.4	5.0	5.0
17	11.7	0	2.9
18	0	NC	0.9
19	3.0	5.0	8.9
20	3.0	3.5	0.2
21	0	0	4.8
22	NC	0	0
23	0	0	0
24	0	0	2.2
25	0	0	9.0
26	0	4.1	3.6
27	0	5.0	0.5
28	0	3.0	0
29	0	3.0	4.2
30	0	0	5.2
31	0	0	3.0
32	0	0	0.6
33	0	4.9	0.4
34	0	0	6.1
35	0	5.0	6.1
36	0	4.5	5.8
37	0	0	2.5
38	0	5.0	2.6
39	0	0	2.5
40	0	0	3.9
41	0	0	4.8
42	0	5.0	6.8
43	0	0	2.6
44	0	0	3.3
45	0	0	3.6
46	0	0	6.3
47	0	0	8.9
48	0	0	0

Pin No.	IC202	IC203	IC204	IC205
1	5.0	6.0	0	11.0
2	2.5	5.9	13.0	4.9
3	2.5	6.9	27.4	NC
4	5.0	6.9	0.8	*0.7-11.3
5	0	7.0	0.7	7.2
6	5.0	0	27.0	7.4
7	5.0	0	1.7	0
8	5.0	0	0	7.5
9	0	11.7	0	15.5
10	0	11.7	0	0
11	0	11.7	0	0
12	0	4.6	0	0
13	0	5.0	0	0
14	0	5.0	0	0
15	0	6.0	0	0
16	0	11.7	0	0

## BLOCK DIAGRAM



## IF SCHEMATIC DIAGRAM



### <NOTE>

- CF101 : CDA5.5MC26
- CF102 : CDA6.5MC26
- CF103 : TPW02B
- CF104 : SFE5.5MB
- CF105 : SFE6.5MB
- SAW101 : SAF38.0MZL70Z
- Q102 : KTC3199 (GR), 2SC3331 (T, U), 2SC1685 (R, S), 2SC1815 (GR), or 2SC1740S (R, S)
- Q104 : KTA1267 (GR), 2SA1813 (T, U), 2SA564 (R, S), 2SA1015 (GR), or 2SA933S (R, S)

# WAVEFORMS

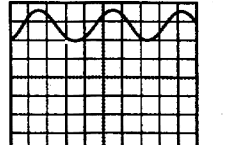
Pin No.	IC207	IC208	IC209	IC210
1	16.3	32.0	2.5	11.8
2	0	0	2.5	0
3	11.8		4.9	8.9
4			4.9	
5			1.7	
6			1.7	
7			2.5	
8			2.6	
9			3.3	
10			2.7	
11			2.7	
12			1.7	
13			0.2	
14			0	
15			2.2	
16			3.8	
17			2.3	
18			1.7	
19			4.9	
20			4.9	
21			2.5	
22			2.5	
23			0	
24			2.5	

\* Vol. Min-Max

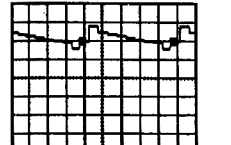
**Input:** PAL Color Bar Signal (with 1kHz Audio Signal)  
**Receiving Ch.:** E2 ch (48.25 MHz)  
**Preset Mode:** Press Picture Select button on the remote control unit, then press the number "1" button.  
 Brightness--- Center  
 Color--- Center  
 Contrast--- Approx 70%

WF1 - WF20 = Waveforms to be observed at Waveform check points. (Shown in Schematic Diagram.)

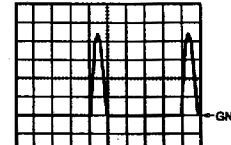
**INPUT:** PAL Color Bar Signal (with 1kHz Audio Signal)  
**RECEIVING CH.:** E2 ch (48.25 MHz)  
**PRESET MODE:** Press Picture Select button on the remote control unit, then press the number "1" button. (Brightness--- Center Color--- Center Contrast--- Approx 70%)



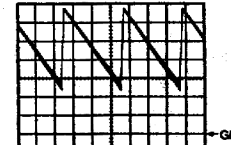
WF1 1DIV: 1V 0.2msec



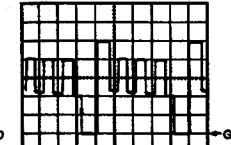
WF5 1DIV: 1V 10 μsec



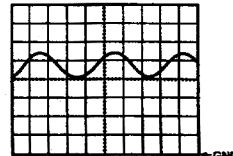
WF10 1DIV: 250V 10 μsec



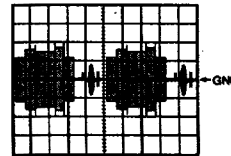
WF13 1DIV: 0.5V 5msec



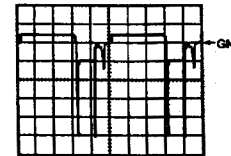
WF17 1DIV: 1V 10 μsec



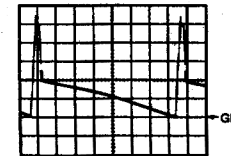
WF2 1DIV: 1V 0.2msec



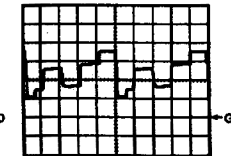
WF6 1DIV: 50mV 10 μsec



WF9 1DIV: 2V 10 μsec



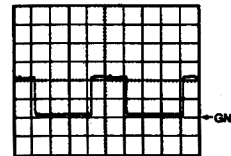
WF14 1DIV: 10V 2msec



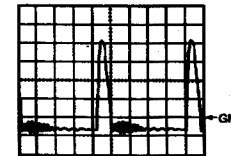
WF18 1DIV: 50V 10 μsec



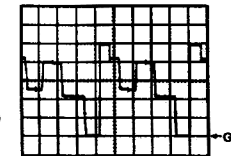
WF3 1DIV: 1V 10 μsec



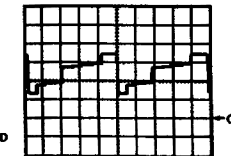
WF7 1DIV: 0.5V 10 μsec



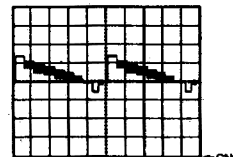
WF11 1DIV: 5V 10 μsec



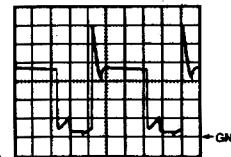
WF15 1DIV: 1V 10 μsec



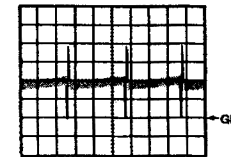
WF19 1DIV: 50V 10 μsec



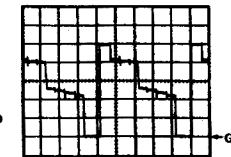
WF4 1DIV: 1V 10 μsec



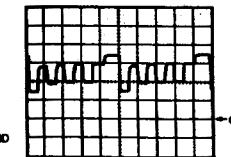
WF8 1DIV: 20V 10 μsec



WF12 1DIV: 0.5V 5msec



WF16 1DIV: 1V 10 μsec

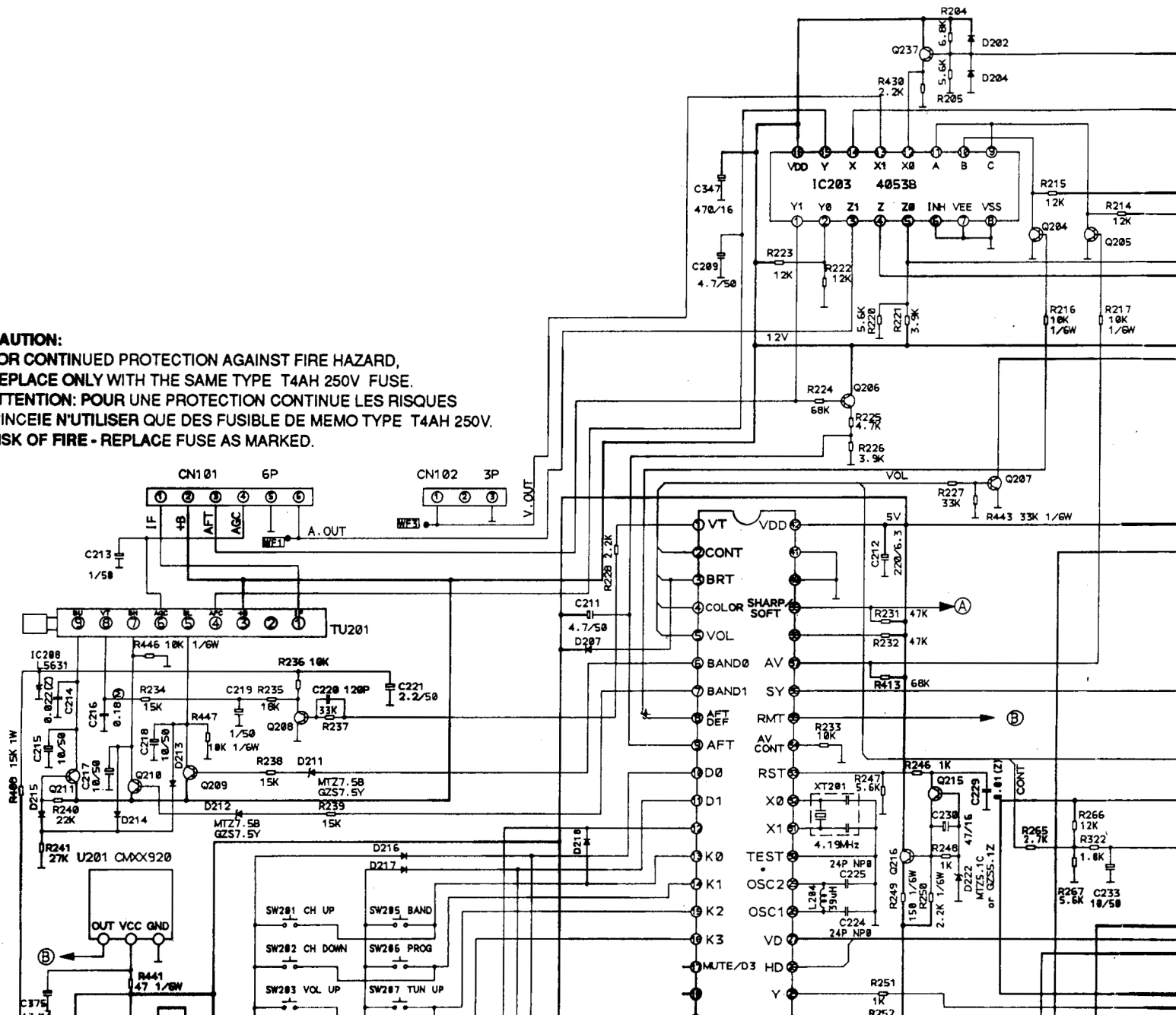


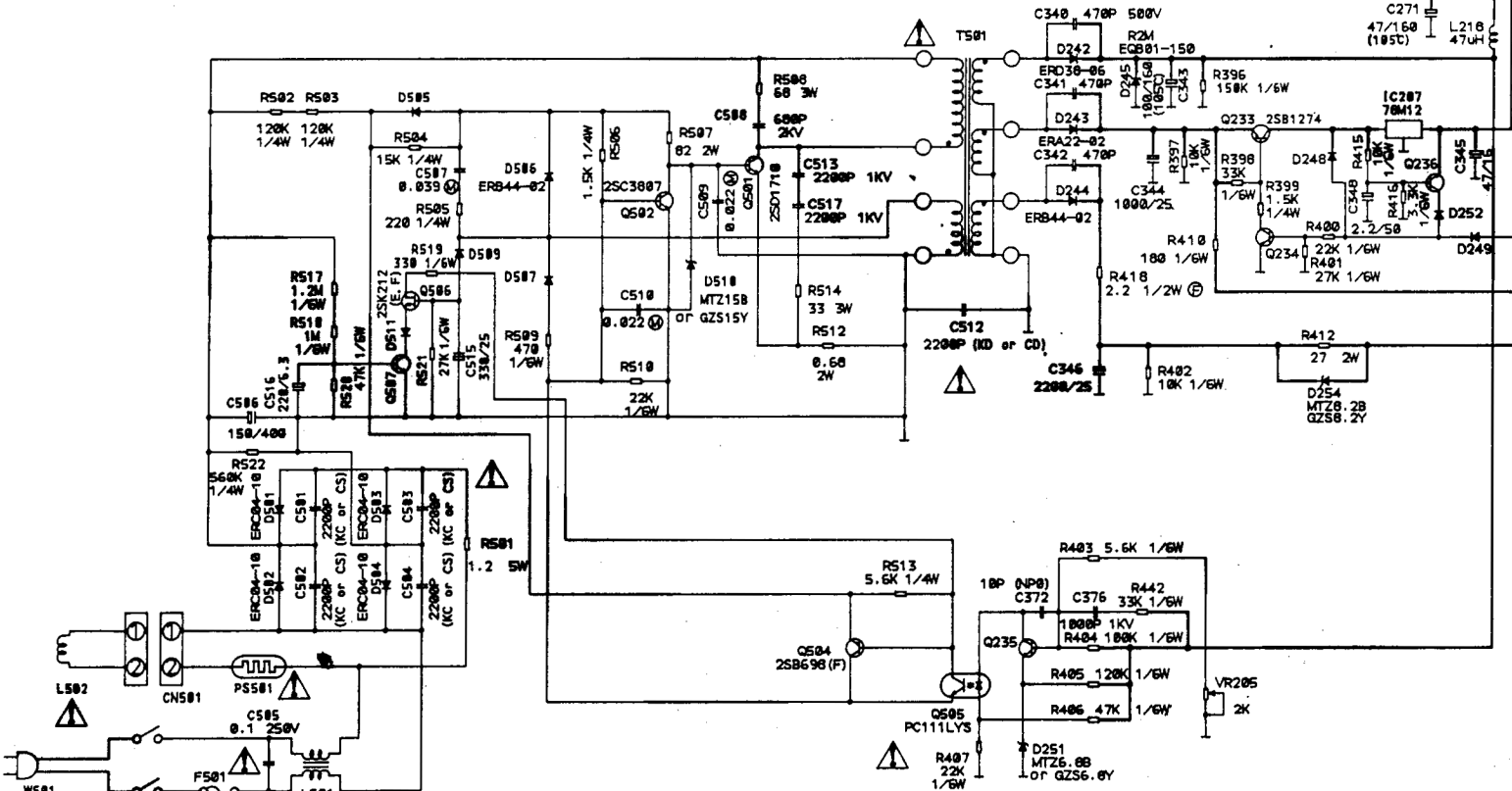
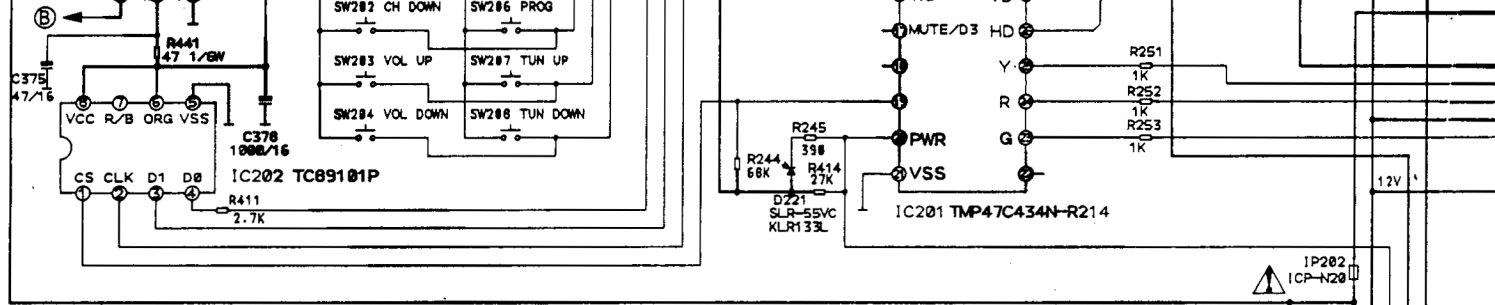
WF20 1DIV: 50V 10 μsec



**CAUTION:**

**FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,  
REPLACE ONLY WITH THE SAME TYPE T4AH 250V FUSE.  
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES  
D'INCENDIE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE T4AH 250V.  
RISK OF FIRE - REPLACE FUSE AS MARKED.**





**<NOTE>**

- 1.No indicated NPN type transistors are used KTC3199 (GR) 2SC1740S (R, S), 2SC3331 (T, U), 2SC1685 (R, S) or 2SC1815 (GR)
- 2.No indicated PNP type transistors are used KTA1267 (GR) 2SA933S (R, S), 2SA1318 (T, U), 2SA564 (R, S) or 2SA1015 (GR)
- 3.No indicated diodes are used 1-SS133 or 1SS176



