

SPECIFICATIONS

1. PICTURE TUBE

Size	: 17 inch
Gun	: In-line
Deflection Angle	: 90°
Neck Diameter	: 29.1 mm
Phosphor	: P22
Transmission	: 52%
Dot Pitch	: 0.28 mm
Low Radiation	: MPR-II, TCO-92

2. SIGNAL

2-1. HORIZONTAL & VERTICAL SYNC

- 1) Input Voltage Level : Low=0~0.8V, High=2.1~5.5V
- 2) Sync Polarity : Positive or Negative

2-2. VIDEO INPUT SIGNAL

- 1) Voltage Level : 0 ~ 0.7 Vp-p
 - a) Color 0, 0 : 0 Vp-p
 - b) Color 7, 0 : 0.467 Vp-p
 - c) Color 15, 0 : 0.7 Vp-p
- 2) Input Impedance : 75 ohm
- 3) Video Color : R, G, B Analog
- 4) Signal Format : Refer To Timing Chart

2-3. SIGNAL CONNECTOR

15 Pin D-Sub Connector

2-4. SCANNING FREQUENCY

Horizontal	: 30 ~ 65 kHz
Vertical	: 50 ~ 110 Hz

3. POWER SUPPLY

3-1. POWER RATING

AC 90 ~ 264V (Free Voltage), 50/60Hz, 1.5A Max.

3-2. POWER CONSUMPTION

MODE	H/V SYNC	POWER CONSUMPTION	LED COLOR
NORMAL (ON)	ON/ON	less than 110 W	GREEN
STAND-BY	OFF/ON	less than 15 W	GREEN/ORANGE BLINKING
SUSPEND	ON/OFF	less than 15 W	
OFF	OFF/OFF	less than 5 W	ORANGE

4.DISPLAY AREA

- 4-1. Active Video Area : 300 mm X 225 mm
(Available for Full Screen)
- 4-2. Display Color : Full Colors
- 4-3. Display Resolution : 1280 Dots X 1024 Lines
(Non-Interlace)
- 4-4. Video Bandwidth : 100 MHz

5. ENVIRONMENT

- 5-1. Operating Temperature: 10 ~ 35°C
(Ambient)
- 5-2. Relative Humidity : 8 ~ 80%
(Non-Condensing)
- 5-3. Altitude : 10,000 ft

6. DIMENSIONS (WITH TILT/SWIVEL)

Width	: 412.0 mm
Depth	: 431.0 mm
Height	: 428.5 mm


7. WEIGHT (WITH TILT/SWIVEL)

Net. Weight	: 17.0 kg
Gross Weight	: 20.5 kg

StudioWorks 76i	: Comply with the MPR-II Requirement.
StudioWorks 76T	: Comply with the TCO-92 Requirement.
76W	: No Brand Model (MPR-II)

SAFETY PRECAUTIONS

SAFETY-RELATED COMPONENT WARNING!

There are special components used in this color monitor which are important for safety. These parts are marked  on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent X-radiation, shock, fire, or other hazards. Do not modify the original design without obtaining written permission from LG Electronics Inc. or you will void the original parts and labor guarantee.

CAUTION: No modification of any circuit should be attempted.

Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines.

SAFETY CHECK

Care should be taken while servicing this color monitor because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

FIRE & SHOCK HAZARD

- An isolation transformer must be inserted between the color monitor and AC power line before servicing the chassis.
- In servicing, attention must be paid to the original lead dress specially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- All the protective devices must be reinstalled per the original design.
- Soldering must be inspected for the cold solder joints, frayed leads, damaged insulation, solder splashes, or the sharp points. Be sure to remove all foreign materials.

IMPLOSION PROTECTION

All used display tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only same type display tubes.

X-RADIATION

The only potential source of X-radiation is the picture tube. However, when the high voltage circuitry is operating properly there is no possibility of an X-radiation problem. The basic precaution which must be exercised is keep the high voltage at the factory recommended level; the normal high voltage is 25kV. The following steps describe how to measure the high voltage and how to prevent X-radiation.

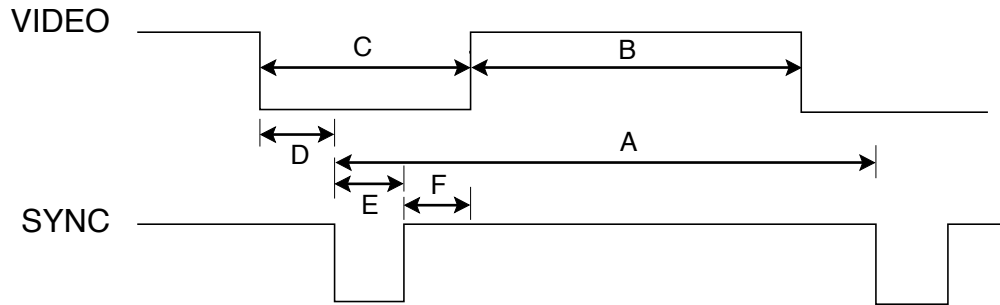
Note : It is important to use an accurate high voltage meter calibrated periodically.

- To measure the high voltage, use a high impedance high voltage meter, connect (-) to chassis and (+) to the CRT anode cap.
- Set the brightness control to maximum point at full white pattern.
- Measure the high voltage. The high voltage meter should be indicated at the factory recommended level.
- If the meter indication exceeds the maximum level, immediate service is required to prevent the possibility of premature component failure.
- To prevent X-radiation possibility, it is essential to use the specified picture tube.

CAUTION:

Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

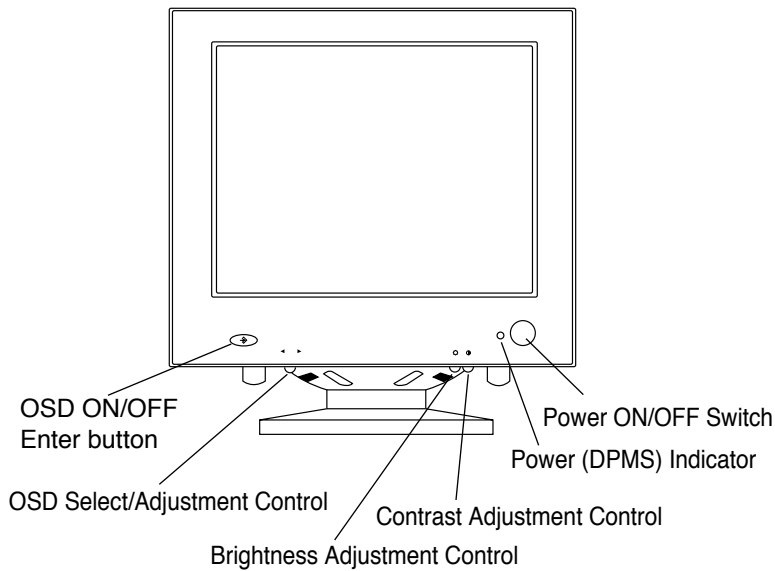
TIMING CHART



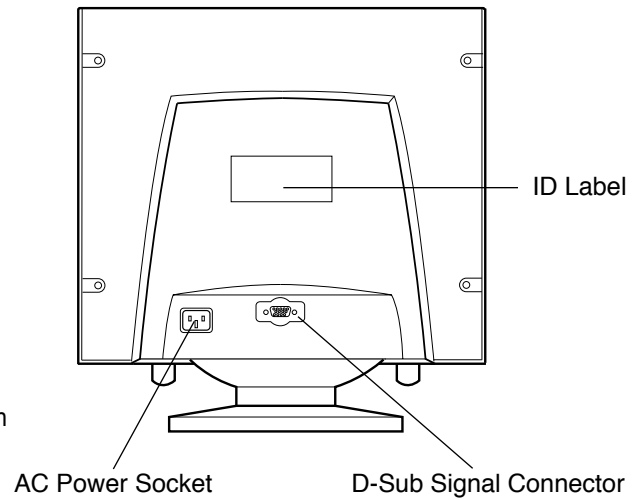
MODE			MARK	MODE 1	MODE 2	MODE 3	MODE 4	MODE5	MODE 6	MODE7
H O R I Z O N T A L	Sync Polarity			-	-	-	+	-	+	+
	Frequency	kHz		31.467	31.467	37.500	46.875	56.476	60.023	63.981
	Total Period	μ s	A	31.778	31.778	26.667	21.333	17.707	16.660	15.630
	Video Active Time	μ s	B	25.422	25.422	20.317	16.162	13.653	13.003	11.852
	Blanking Time	μ s	C	6.356	6.356	6.350	5.171	4.053	3.657	3.778
	Front Porch	μ s	D	0.636	0.636	0.508	0.323	0.320	0.203	0.444
	Sync Duration	μ s	E	3.813	3.813	2.032	1.616	1.813	1.219	1.037
	Back Porch	μ s	F	1.907	1.907	3.810	3.232	1.920	2.235	2.296
V E R T I C A L	Sync Polarity			+	-	-	+	-	+	+
	Frequency	Hz		70.077	59.941	75.000	75.000	70.069	75.029	60.020
	Total Period	ms	A	14.270	16.683	13.333	13.333	14.272	13.328	16.661
	Video Active Time	ms	B	12.711	15.253	12.800	12.800	13.599	12.795	16.005
	Blanking Time	ms	C	1.559	1.430	0.533	0.533	0.672	0.533	0.656
	Front Porch	ms	D	0.415	0.318	0.026	0.021	0.053	0.017	0.016
	Sync Duration	ms	E	0.064	0.063	0.080	0.064	0.106	0.050	0.047
	Back Porch	ms	F	1.080	1.049	0.427	0.448	0.513	0.466	0.594
Resolution				720 × 400	640 × 480	640 × 480	800 × 600	1024 × 768	1024 × 768	1280 × 1024
RECALL				Yes	Yes	Yes	Yes	Yes	Yes	Yes

OPERATING INSTRUCTIONS

FRONT VIEW

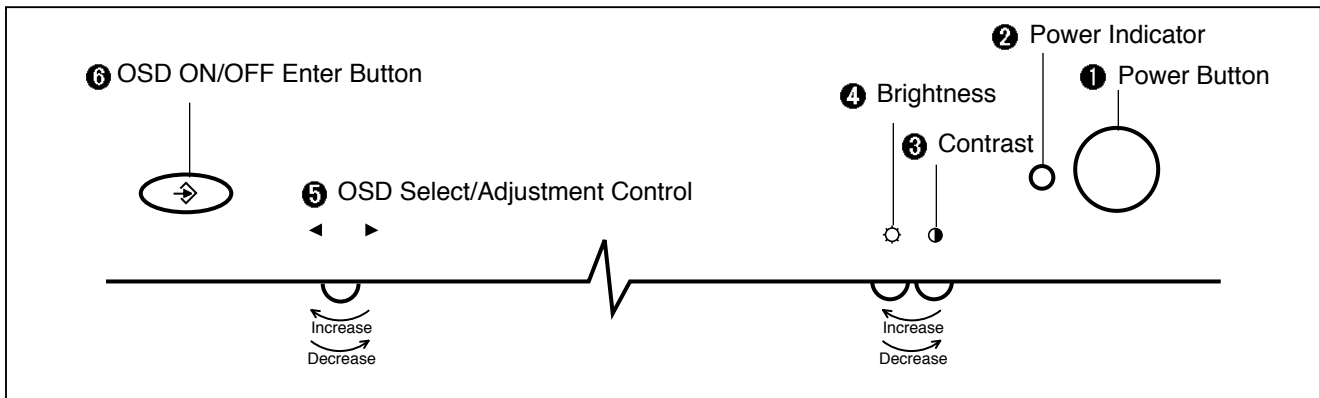


REAR VIEW



Front Control Panel

All functions are adjusted from the microprocessor based digital controls.



① POWER ON/OFF BUTTON

This button is used to turn the monitor on and off.

② POWER INDICATOR

This indicator lights up green when the monitor operates normally. If in stand-by or suspend mode, the indicator color changes to blinking green and orange; in off mode, changes to orange.

③ CONTRAST CONTROL

To adjust the image contrast level.

④ BRIGHTNESS CONTROL

To adjust the screen brightness level.

⑤ OSD SELECT / ADJUSTMENT

To select or adjust OSD menus.


⑥ ↗ ENTER BUTTON

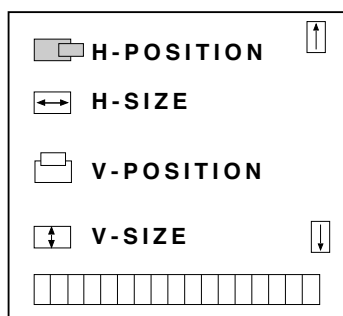
Use this button to start/enter and exit from the On Screen Display (OSD). If there is no OSD on the screen, one click (press) of this button will show the Main Menu. To remove the display, either wait 4~5 seconds or double click this button. If you are in a Sub-menu, a single click will back you out to the Main Menu.

On Screen Display (OSD) Control Adjustment

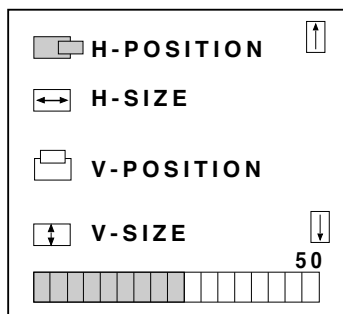
Making adjustment to the image size, position, and operating parameters of the monitor are quick and easy with the On Screen Display control system, using only the Enter button and Adjustment Control knob. A quick example is given below to familiarize you with the use of the controls. Following this section is an outline of the available adjustments and selections you can make using the OSD.

Example:

Note: (Monitor and PC should be ON, with an image or prompt on the screen). One click (press) the Enter button, present you with the Main Menu 1 of the On Screen Display system, with the first item  highlighted. The main picture area will also show the selected icon and a brief description (here H-POSITION). The OSD should look like below:



If you one more click, you are able to adjust selected icon (here H-POSITION). The display will look like below:







The bar graph shows you the current level of the selected H-POSITION control. Use the Adjustment Control knob to increase or decrease the level to fit the screen or your desired. When you are finished, press the Enter (↗) button once to return to Main Menu 1 and rotate the Adjustment Control knob to make another selection. If you have finished using the OSD after you have returned to Main Menu 1, you can double click the Enter button or wait 4~5 seconds exit the OSD.





OSD Adjustment and Selection Items

In the previous section, you were introduced to the procedure of selecting and adjusting an item using the OSD. There are four Main Menu pages; the first page has 4 most commonly use items.




Listed below are the icons, icon names, and descriptions of the items that are shown on the Main Menu 1 OSD:

-  Horizontal Position. (To move picture image left and right.)
-  Horizontal Size. (To adjust image width.)
-  Vertical Position. (To move image up and down.)
-  Vertical Size. (To adjust image height.)



Listed below are the icons, icon names, and descriptions of the items that are shown on the Main Menu 2 OSD:

-  Zoom. (To adjust H and V image size simultaneously.)
-  Side-Pincushion. (To correct the bowing in and out of the image.)
-  Trapezoid. (To correct geometric distortion.)
-  Rotation. (To adjust tilt.)

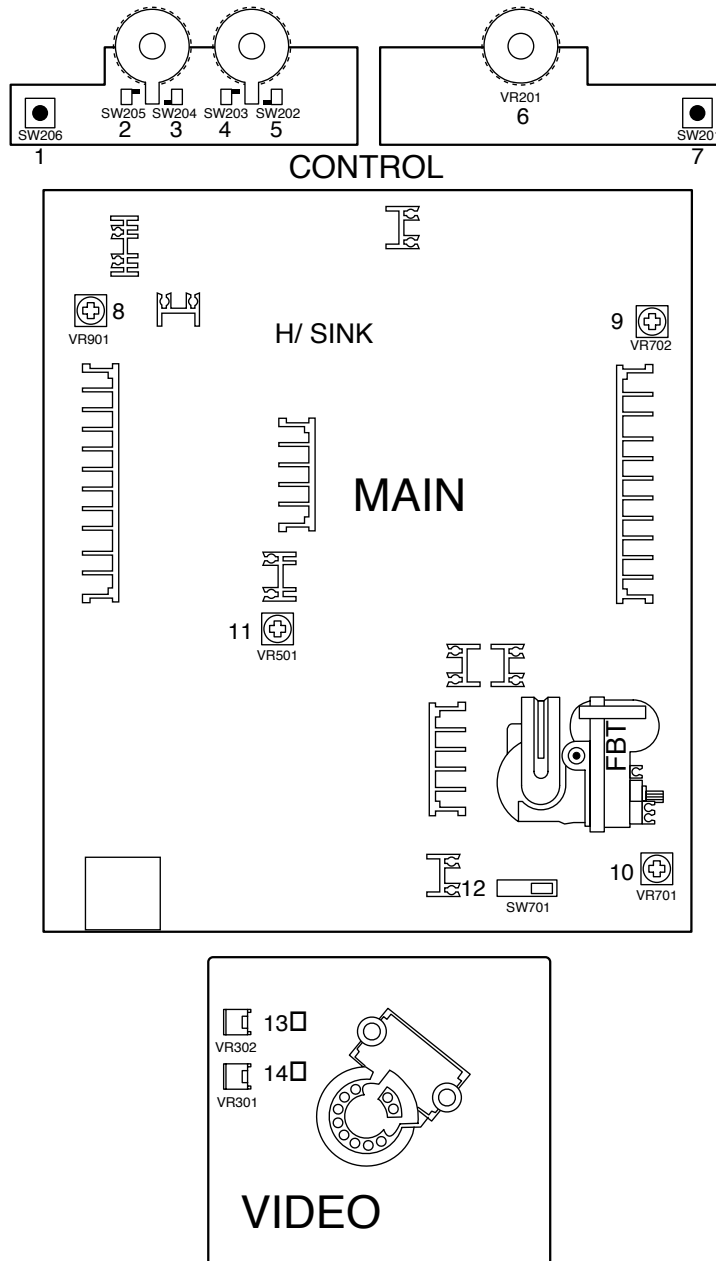
Listed below are the icons, icon names, and descriptions of the items that are shown on the Main Menu 3 OSD:

-  Degauss. (Used to demagnetize the picture to give a more accurate image and color.)
-  Recall. (To recall the factory preset mode.)
-  Help. (To inform users of preset and user mode data.)

Listed below are the icons, icon names, and descriptions of the items that are shown on the Main Menu 4 OSD:

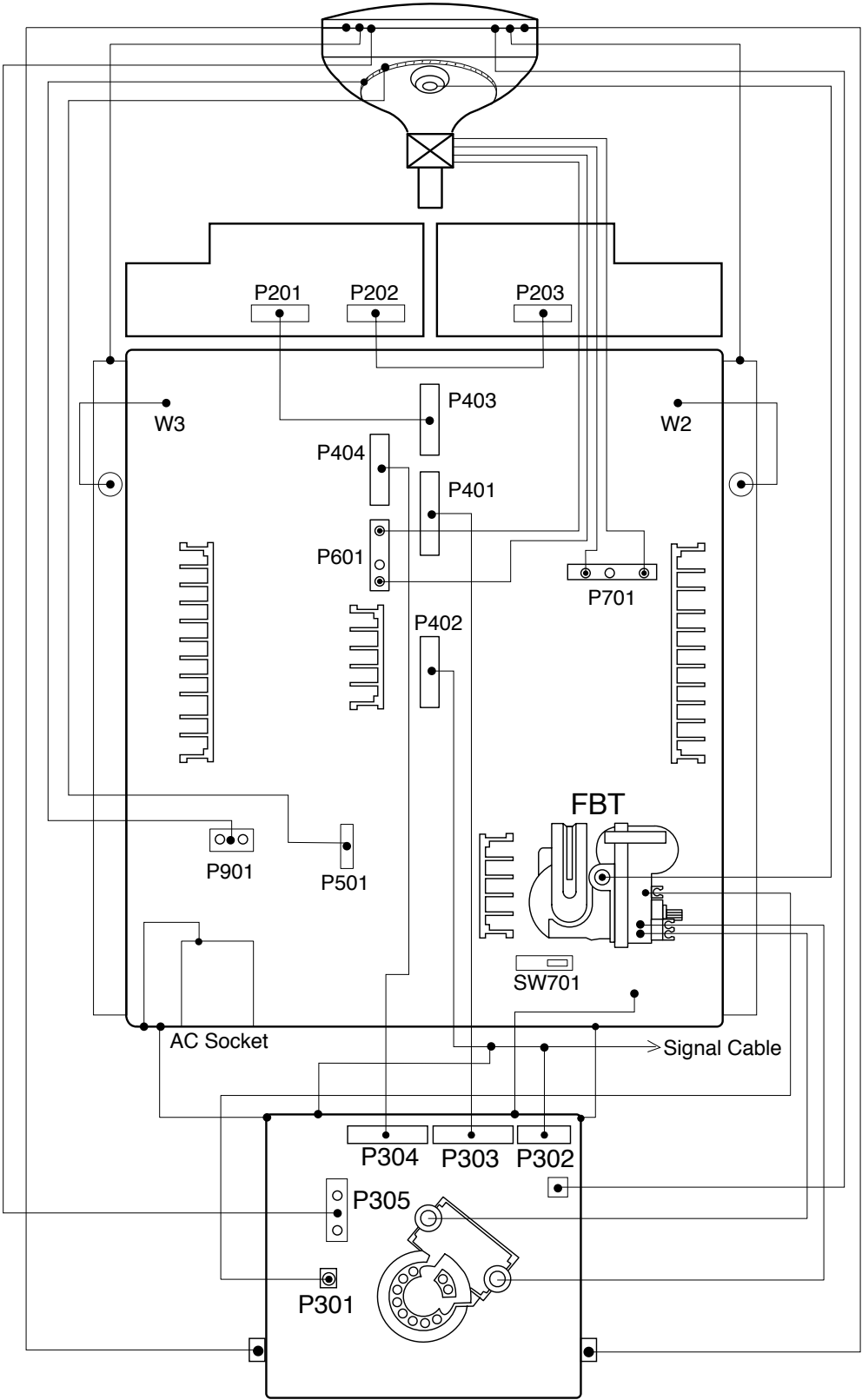
-  Color Code. (To select color temperature, 9300°K/7200°K/user.)
-  RGB Adjust. (To adjust individual R, G, B color at user color code.)

CONTROL LOCATIONS

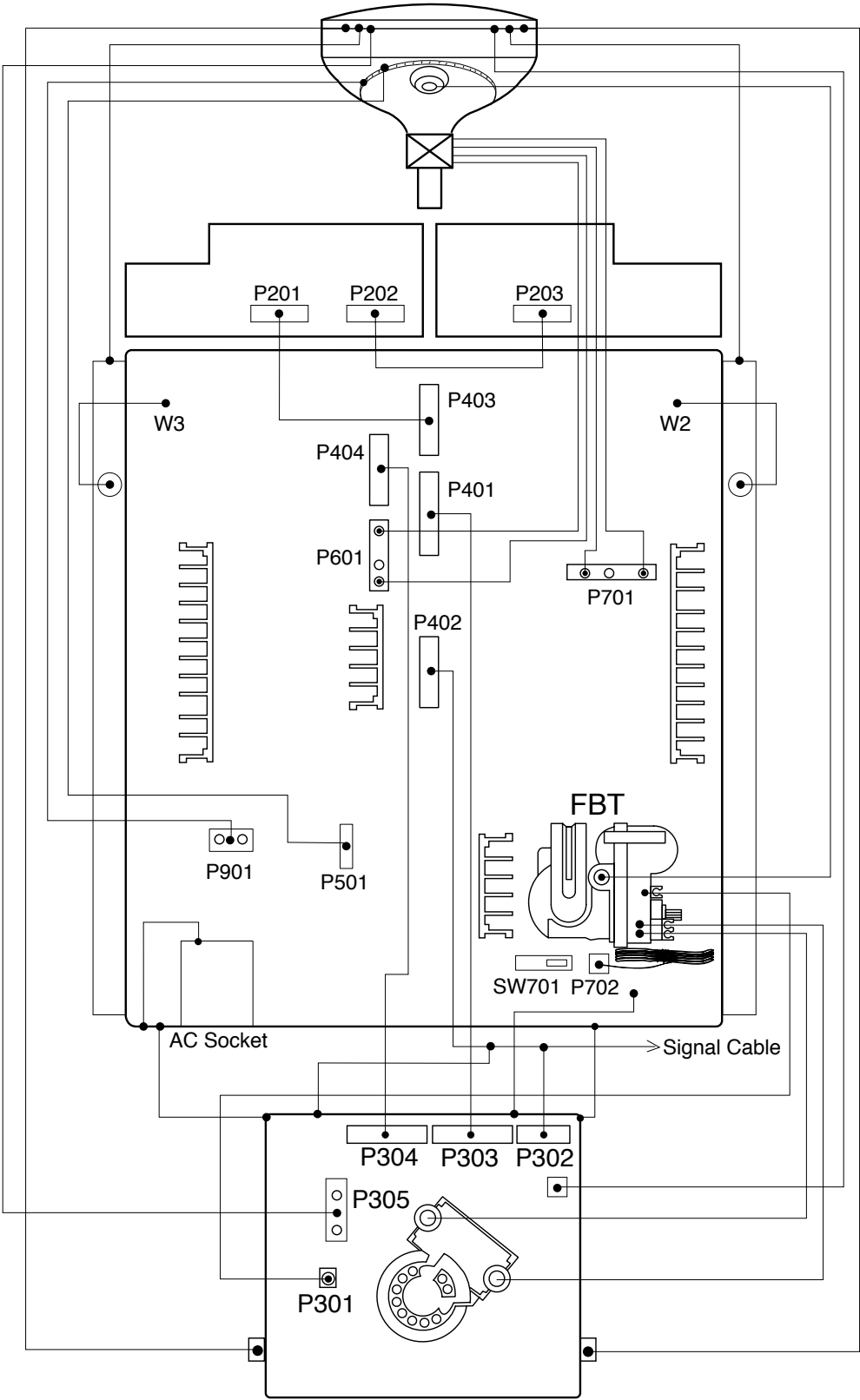


No.	Ref. No.	Control Function	No.	Ref. No.	Control Function
1	SW206	POWER SWITCH	8	VR901	B ⁺ ADJUSTMENT
2	SW205	CONTRAST INCREASE	9	VR702	H-LIN. ADJUSTMENT
3	SW204	CONTRAST DECREASE	10	VR701	HIGH-VOLTAGE ADJUSTMENT
4	SW203	BRIGHTNESS INCREASE	11	VR501	SUB-BRIGHT ADJUSTMENT
5	SW202	BRIGHTNESS DECREASE	12	SW701	H-RASTER CENTER SW.
6	VR201	OSD SELECT	13	VR302	R CUT-OFF (R-BIAS)
7	SW201	ENTER	14	VR301	G CUT-OFF (G-BIAS)

WIRING DIAGRAM



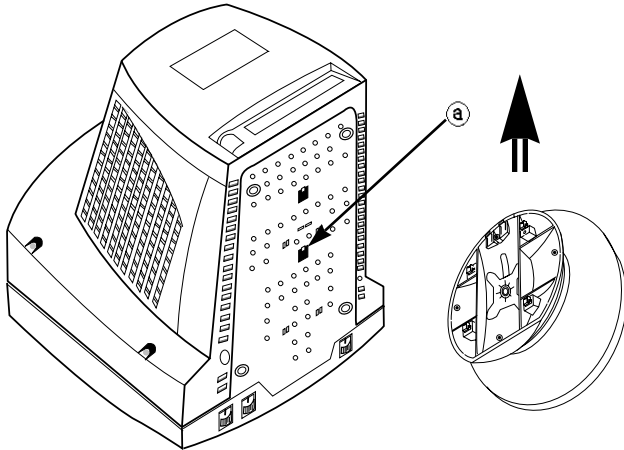
WIRING DIAGRAM (TCO-92)



DISASSEMBLY

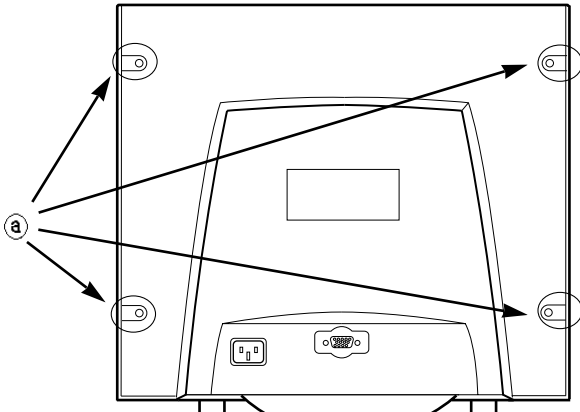
1. TILT/SWIVEL REMOVAL

- ① Set the monitor face down.
- ② Pressing the latch (a), carefully remove the Tilt/Swivel by pulling it upward.



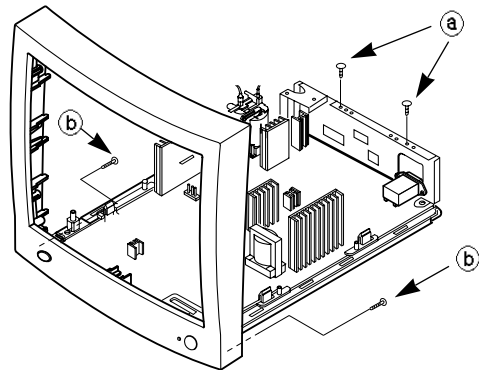
2. BACK COVER REMOVAL

- ① Remove four screws (a) from the Back Cover.
- ② Slide the Back Cover away from the Front Cabinet of the monitor.



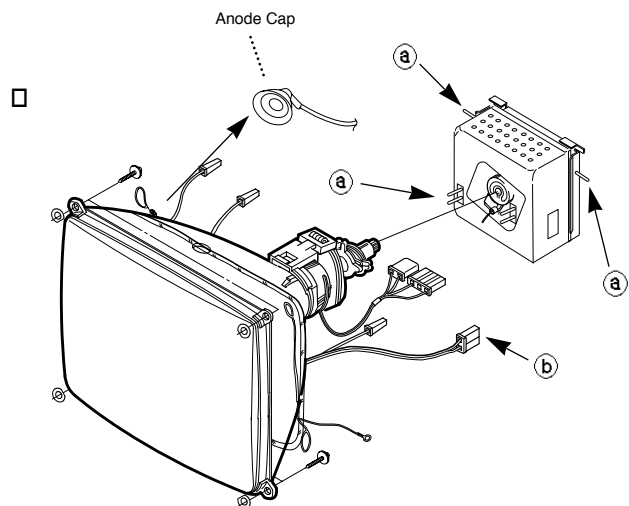
3. TOTAL CHASSIS ASSEMBLY REMOVAL

- ① Disconnect P901 (Degaussing pin), P701 (H-DY pin), and P601 (V-DY pin).
- ② Remove two screws (a) from the Rear Bracket to remove the Ground Wire of the CRT.
- ③ Remove two screws (b) from the Main Bracket to separate it from the Front Cabinet.



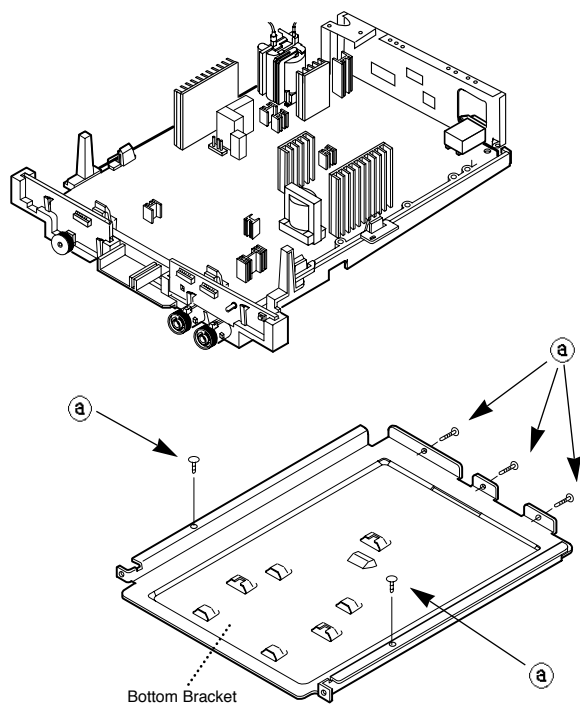
4. CRT BOARD ASSEMBLY REMOVAL

- ① Remove three pins (a).
- ② Remove CRT ground connector (b).
- ③ Carefully separate the CRT Board Assembly from the CRT neck.
- ④ Discharge the remaining static electricity by shorting between the Anode Cap and the CRT ground.
- ⑤ Disconnect the Anode Cap from the CRT.



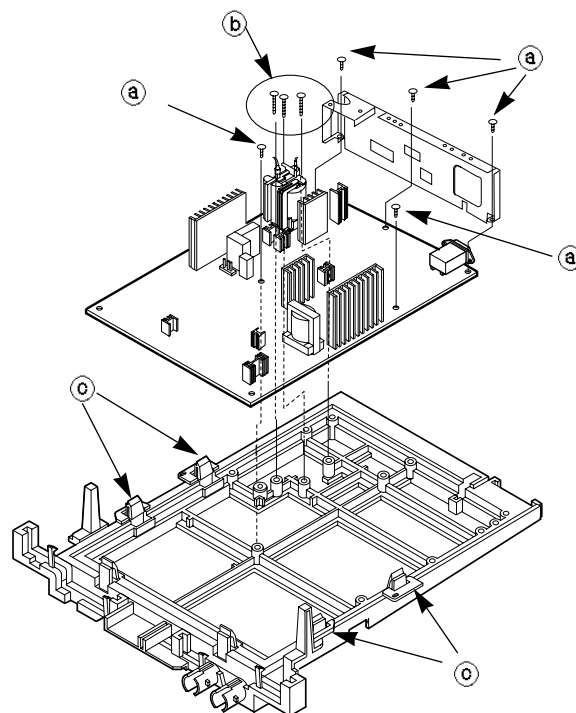
5. BOTTOM BRACKET REMOVAL

- ① Remove five screws (a).
- ② Remove the Bottom Bracket.

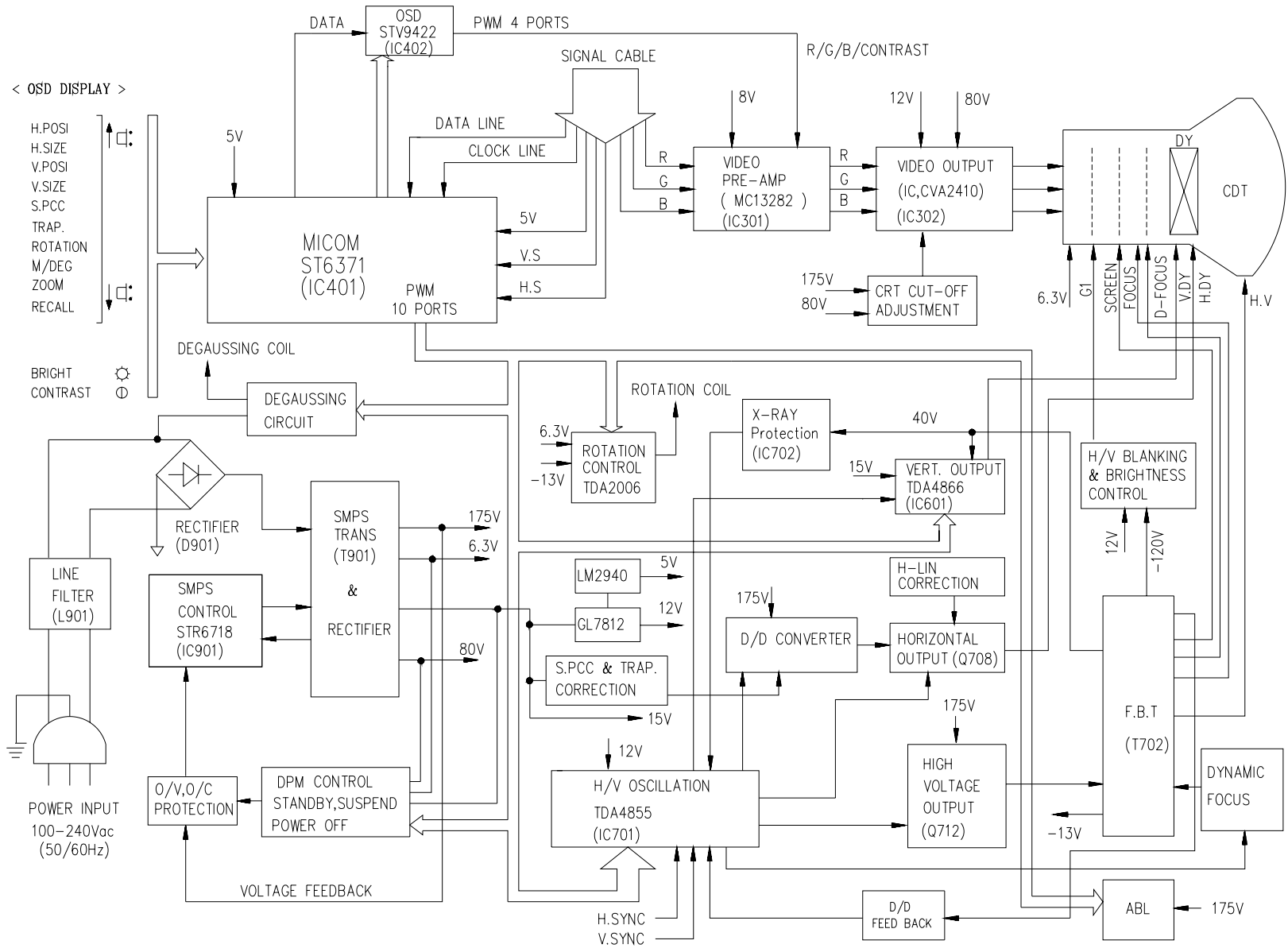


6. MAIN BOARD ASSEMBLY REMOVAL

- ① Remove five screws (a).
- ② Remove three screws (b).
- ③ Release four latches (c) from the Main Board Assembly.



<< CS770 BLOCK DIAGRAM >>



BLOCK DIAGRAM

DESCRIPTION OF BLOCK DIAGRAM

1. Line Filter & Associated Circuit.


This is used for suppressing noise of the power input line flowing into the monitor and/or some noise generated in this monitor flowing out through the power input line.

That is to say, this circuit prevents interference between the monitor and other electric appliances.

2. Degauss Circuit & Coil.

The degauss circuit consists of the degaussing coil, the PTC (Positive Temperature Coefficient) thermistor (TH902), and the relay (RL901).

This circuit eliminates abnormal color of the screen automatically by degaussing the shadow mask in the CRT when turning on the power switch.

When you need to degauss while using the monitor, select  (DEGAUSS) on the OSD menu.

3. SMPS (Switching Mode Power Supply).

This circuit is working in the condition of 110-240VAC (50/60Hz).

The operation procedure is as follows:

- 1) AC input voltage is rectified and smoothed by the bridge diode (D901) and the capacitor (C907).
- 2) The rectified voltage (DC voltage) is applied to the primary coil of the transformer (T901).
- 3) The control IC (IC901) generates switching pulse to turn on and off the primary coil of the transformer (T901) repeatedly.
- 4) Depending on the turn ratio of the transformer, the secondary voltages appear at the secondary coils of the transformer (T901).
- 5) These secondary voltages are rectified by each diode (D909, D912~D916) and operate the other circuits. (Deflection, Video Amplifier, etc.)

4. Over Voltage Protection Circuit.

This circuit consists of the photo-coupler (IC902), the programmable shunt regulator diode (IC903), and the associated circuit. If the secondary voltage exceeds the specified voltage, the current of the photo-coupler LED flows excessively. Then, collector current of the photo-coupler flows excessively and stops the oscillation of the control IC (IC901). Consequently, the secondary voltage drops to zero volts.

5. X-ray Protection.

If the high voltage of the FBT reaches up to 30kV (abnormal state), OP amp (IC702) pin 7 comes to high level. It charges high level at the X-ray protection pin of IC701 (TDA4855) then, B-DRV (Pin 6) function of this IC will be shut down, so high voltage will not be generated. (In the normal state, the high voltage is about 25kV.)

6. Micom (Microprocessor) Circuit.

The operating procedure of the Micom (Microprocessor) and its associated circuit is as follows:

- 1) H and V sync signal is supplied from the signal cable.
- 2) The Micom (IC401) distinguishes polarity and frequency of H and V sync from the H and V sync signal.
- 3) The Micom controls each OSD function signals. (H-size, H-position, V-size, etc.)
- 4) The controlled data of each mode is stored in itself.
- 5) User can adjust screen condition by each OSD function. The data of the adjusted condition is stored in itself automatically.

7. Horizontal and Vertical Oscillation.

This circuit generates the horizontal pulse and the vertical pulse by taking the H and V sync signal.

This circuit consists of the TDA4855 (IC701) and the associated circuit.

8. Oscillating Circuit for D/D Converter.

This circuit generates the saw-tooth wave which has the horizontal period by taking the output of the TDA4855 (IC701).

9. D/D (DC to DC) Converter.

This circuit supplies DC voltage to the horizontal deflection output circuit by decreasing DC 175V which is the secondary voltage of the SMPS in accordance with the input horizontal sync signal.

10. Side-Pincushion & Trapezoid Correcting Circuit.

This circuit improves the Side-pincushion and the Trapezoid distortion by mixing parabola and saw-tooth wave to the D/D converter which is used for the supply voltage source (B^+) of the horizontal deflection circuit.

11. Horizontal Deflection Output Circuit.

This circuit makes the horizontal deflection by supplying the saw-tooth current to the horizontal deflection yoke.

12. High Voltage Output & FBT (Flyback Transformer).

The high voltage output circuit is used for generating pulse wave to the primary coil of the FBT (Flyback Transformer; T701). A boosted voltage (about 25kV) appears at the secondary circuit of the FBT and it is supplied to the anode of CRT. And there are other output voltages such as the dynamic focus and the screen voltage.

13. H-Linearity Correction Circuit.

This circuit corrects the horizontal linearity for each horizontal sync frequency.

14. H-Raster Centering Circuit.

This circuit makes that the back raster stay in center of the screen by adjusting the SW701.

15. Vertical Output Circuit.

This circuit takes the vertical ramp wave from the TDA4855 (IC701) and performs the vertical deflection by supplying the saw-tooth wave current to the vertical deflection yoke.

16. Dynamic Focus Output Circuit.

This circuit takes H and V parabola waves from the TDA4855 (IC701) and amplifies these waves to offer to the FBT (T701).

17. H & V Blanking and Brightness Control.

This circuit eliminates the retrace line by supplying a negative pulse wave to the G1 of the CRT. This circuit is used for control of the screen brightness by changing the DC level of G1.

18. Image Rotation Circuit.

This circuit corrects the tilt of the screen by supplying the image rotation signal to the tilt coil which is attached to the CRT near the deflection yoke.

19. OSD Circuit.

This circuit is used for performing the OSD (On Screen Display) function.

When a user selects the Enter button and OSD Select/Adjust control, the adjustment status displays on the screen.

20. Video Pre-Amp Circuit.

This circuit amplifies the analog video signal from 0-0.7V to 0-4V. This circuit is operated by taking the clamp, R, G, B drives, and contrast signals from the Micom (IC401).

21. Video Output Amp Circuit.

This circuit amplifies the video signal which comes from the video pre-amp circuit and amplified video signal is applied to the CRT cathode.

ADJUSTMENT

GENERAL INFORMATION

All adjustments are thoroughly checked and corrected when the monitor leaves the factory. Therefore, the monitor should operate normally and produce proper color and pictures upon installation.


However, several minor adjustments may be required, depending on the particular location in which the monitor is operated.

Carefully draw out the monitor from the carton and remove all packing materials. Check and adjust all the customer controls such as Brightness and Contrast to obtain a normal picture.

- Alignment appliances and tools.
 - IBM compatible PC & Monitor.
 - Programmable Signal Generator (eg. VG-819 made by Astrodesign Co.)
 - E(E)PROM with saved each mode data.
 - Oscilloscope with probe.
 - Alignment cable with adaptor.
 - Digital Voltmeter.
 - Software (Alignment program for this monitor).
 - White Balance Meter.
 - Luminance Meter.

AUTOMATIC DEGAUSSING / MANUAL DEGAUSSING

The degaussing coil is mounted around the CRT so that external degaussing is normally unnecessary after turn on the monitor. The monitor should be degaussing properly upon installation.

If the monitor is moved or faced in a different direction, or the chassis or parts of the cabinet become magnetized to cause poor color purity, press  (DEGAUSSING) on the OSD menu.

ADJUSTMENT PROCEDURE & METHOD

Install the cable for adjustment such as figure 1 and run the alignment program on the DOS for the IBM compatible PC.

1. Adjustment for the B⁺ Voltage

- ① Display cross hatch pattern at Mode 7.
- ② Adjust D914 cathode voltage to $175 \pm 0.2V$ with VR901.

2. Adjustment for the HIGH-VOLTAGE

- ① Display cross hatch pattern at Mode 7.
- ② Adjust D713 cathode voltage to $41 \pm 0.5V$ with VR701.


3. Adjustment for the Horizontal Raster Center

- ① Display cross hatch pattern at Mode 7.
- ② Adjust the raster should be center of the screen with SW701.

4. Adjustment for the Screen Image

- ① Display cross hatch pattern at Mode 1.
- ② Adjust H-SIZE as arrow keys to $300 \pm 2mm$.
- ③ Adjust H-POSITION as arrow keys to center of the screen.
- ④ Adjust V-SIZE as arrow keys to $225 \pm 2mm$.
- ⑤ Adjust V-POSITION as arrow keys to center of the screen.
- ⑥ Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
- ⑦ Adjust TRAPEZOID as arrow keys to be the best condition.
- ⑧ Display from Mode 2 to Mode 7 and repeat the adjustments from no. ② to no. ⑦ as stated above.

5. Adjustment for the White Balance and Luminance.

- ① Set the White Balance Meter.
- ② Press the  (DEGAUSSING) on the OSD menu for demagnetized CRT.
- ③ Display color 0,0 pattern at Mode 7.
- ④ Set Brightness and VR501 (Sub-Bright) volume to max position.
- ⑤ Set Contrast to max and Sub-Contrast to center position.
- ⑥ Set VR301 (R-Bias) and VR302 (G-Bias) to min position.
- ⑦ Adjust Screen control on the FBT to 0.1FL of the raster luminance.
- ⑧ Adjust VR301 (R-Bias) and VR302 (G-Bias) to white balance $x=0.281 \pm 0.015$ and $y=0.311 \pm 0.015$.
- ⑨ Adjust VR501 (Sub-Bright) to $0.3 \pm 0.1FL$ of the raster luminance.
- ⑩ Display color 15,0 box pattern ($70 \times 70mm$) at Mode 7.
- ⑪ Adjust R-DRIVE 1, G-DRIVE 1, and B-DRIVE 1 to white balance $x=0.281 \pm 0.003$ and $y=0.311 \pm 0.003$ with arrow keys.
- ⑫ Save in the COLOR 1.
- ⑬ Adjust SUB-CONTRAST 1 to $55 \pm 1FL$ of the box pattern luminance.
- ⑭ Adjust R-DRIVE 2, G-DRIVE 2, and B-DRIVE 2 to white balance $x=0.297 \pm 0.003$ and $y=0.320 \pm 0.003$ with arrow keys.
- ⑮ Save in the COLOR 2.

- ⑮ Adjust SUB-CONTRAST 2 to 55 ± 1 FL of the box pattern luminance.
- ⑯ Display color 15,0 full white pattern at Mode 7.
- ⑰ Adjust ABL to 30 ± 1 FL of the luminance.
- ⑱ Exit from the program.

6. Adjustment for the Focus.

- ① Set the Brightness and Contrast to max position.
- ② Display H character in full screen at Mode 7.
- ③ Adjust Focus control on the FBT that focus should be the best condition.

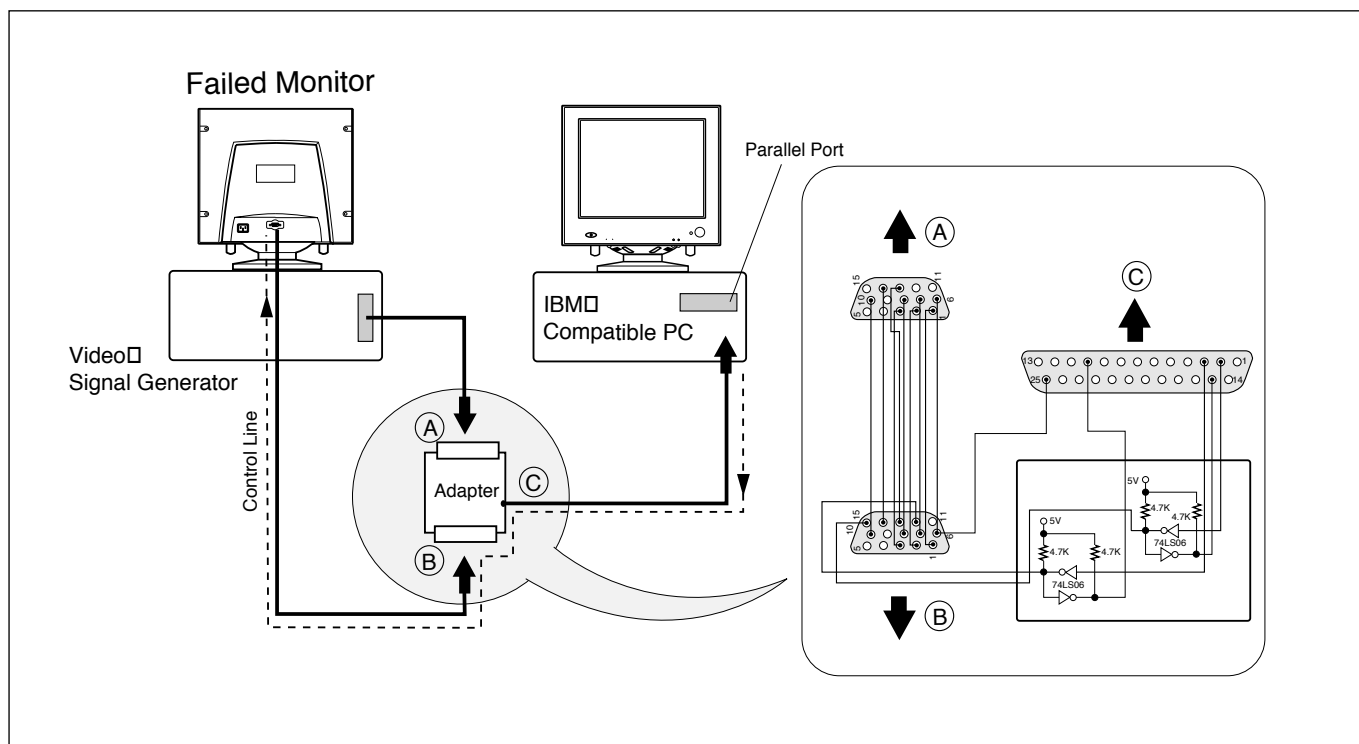
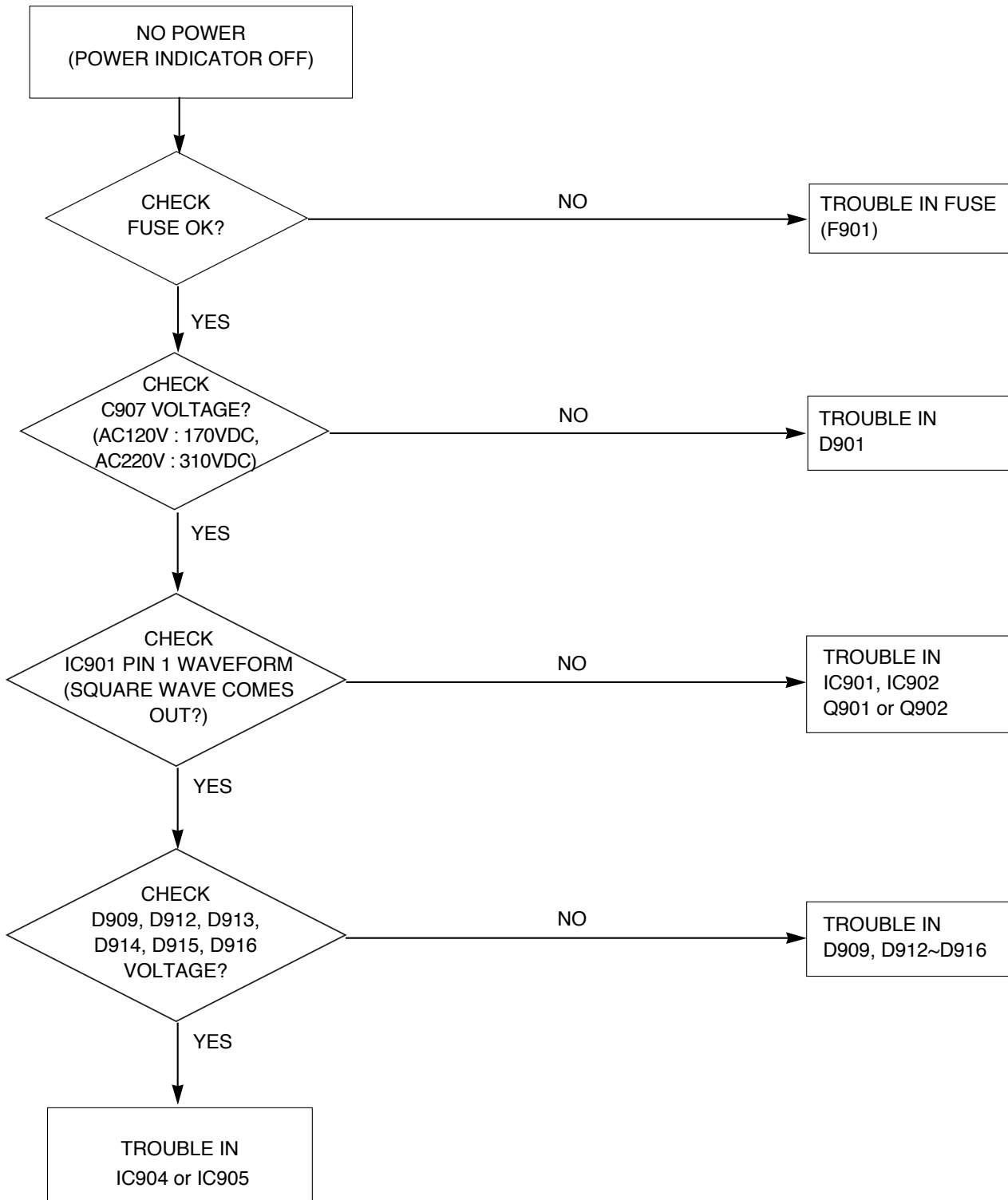


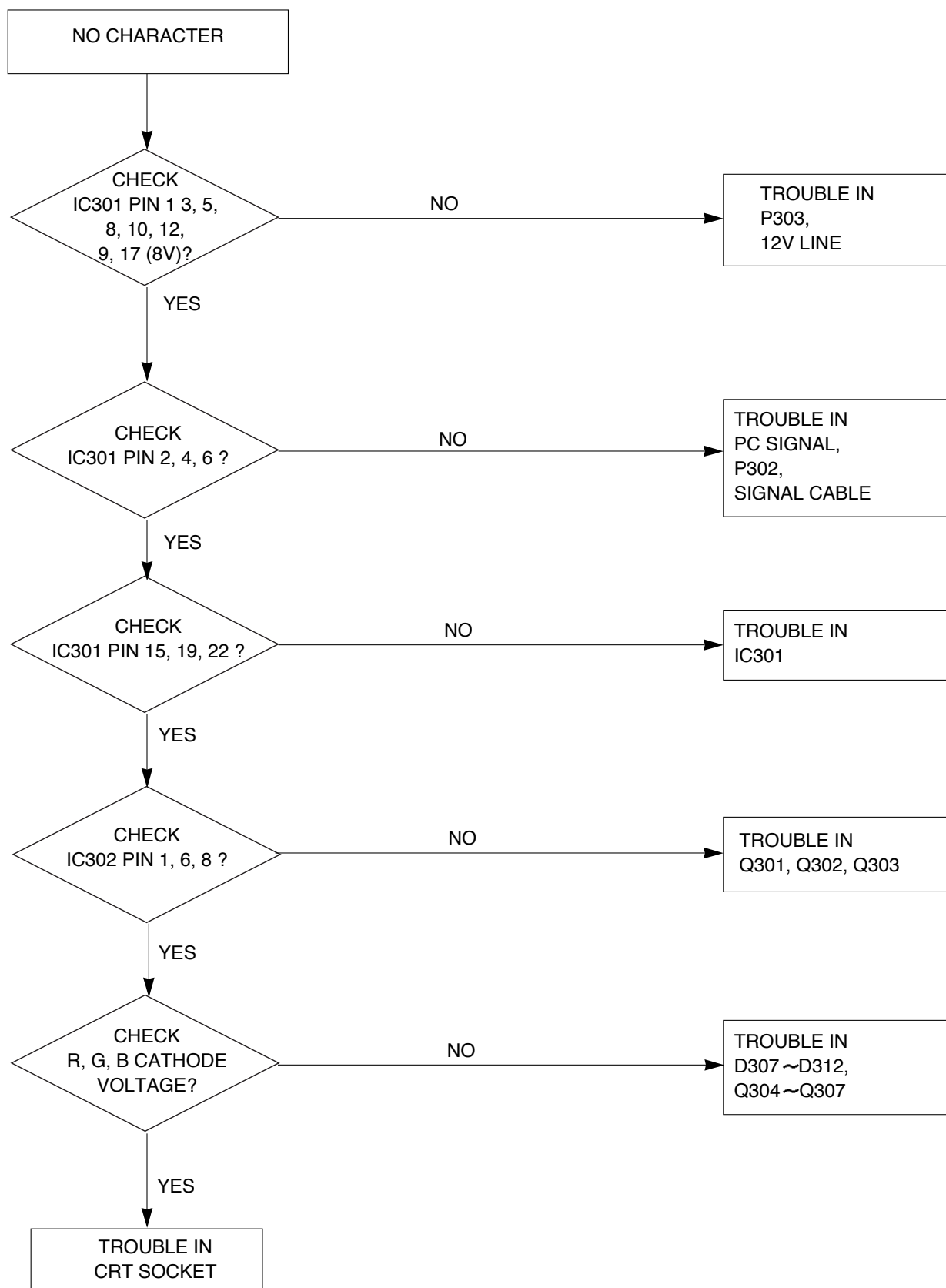
Figure 1, Cable Connection

TROUBLE-SHOOTING GUIDE

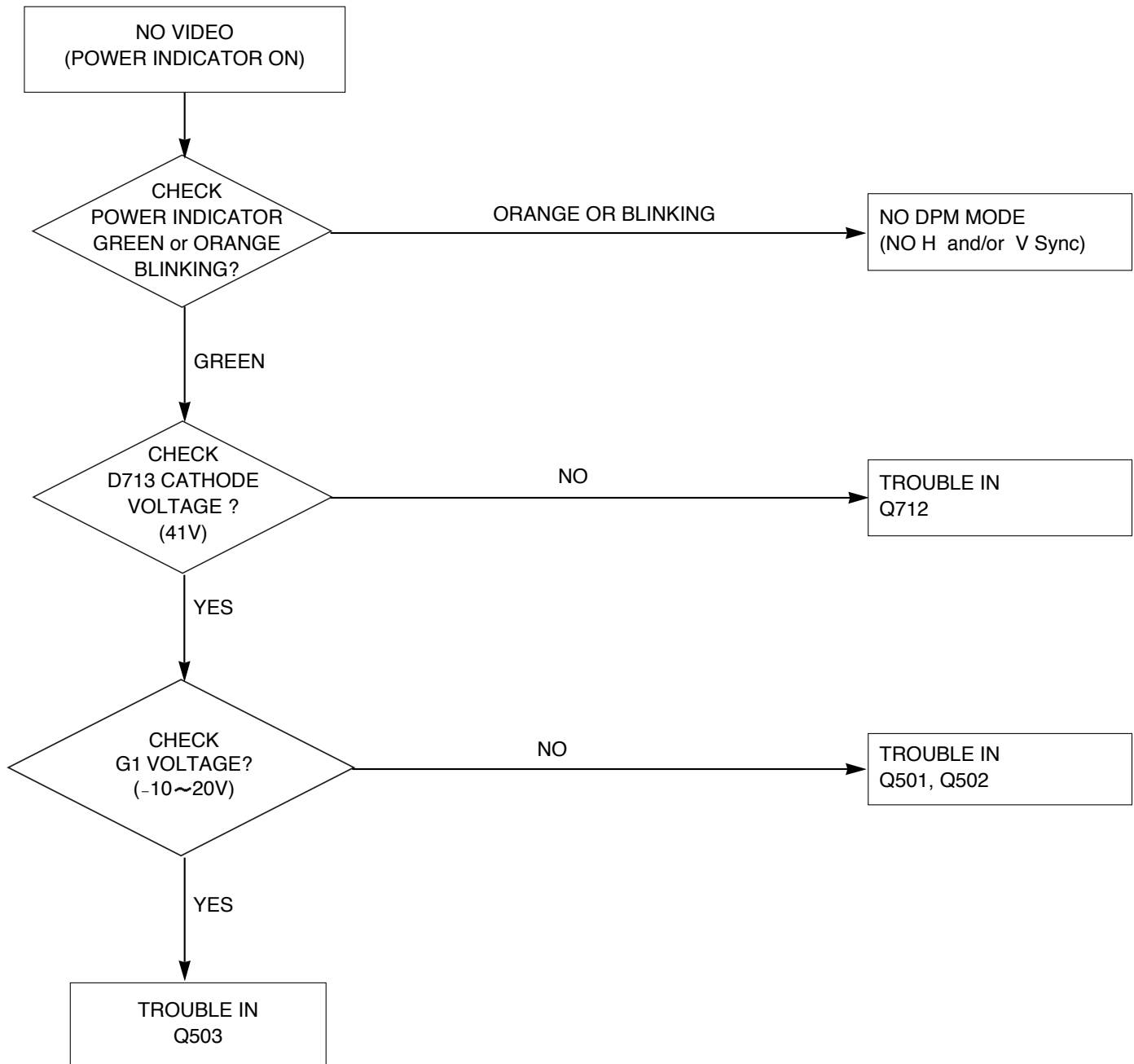
1. NO POWER



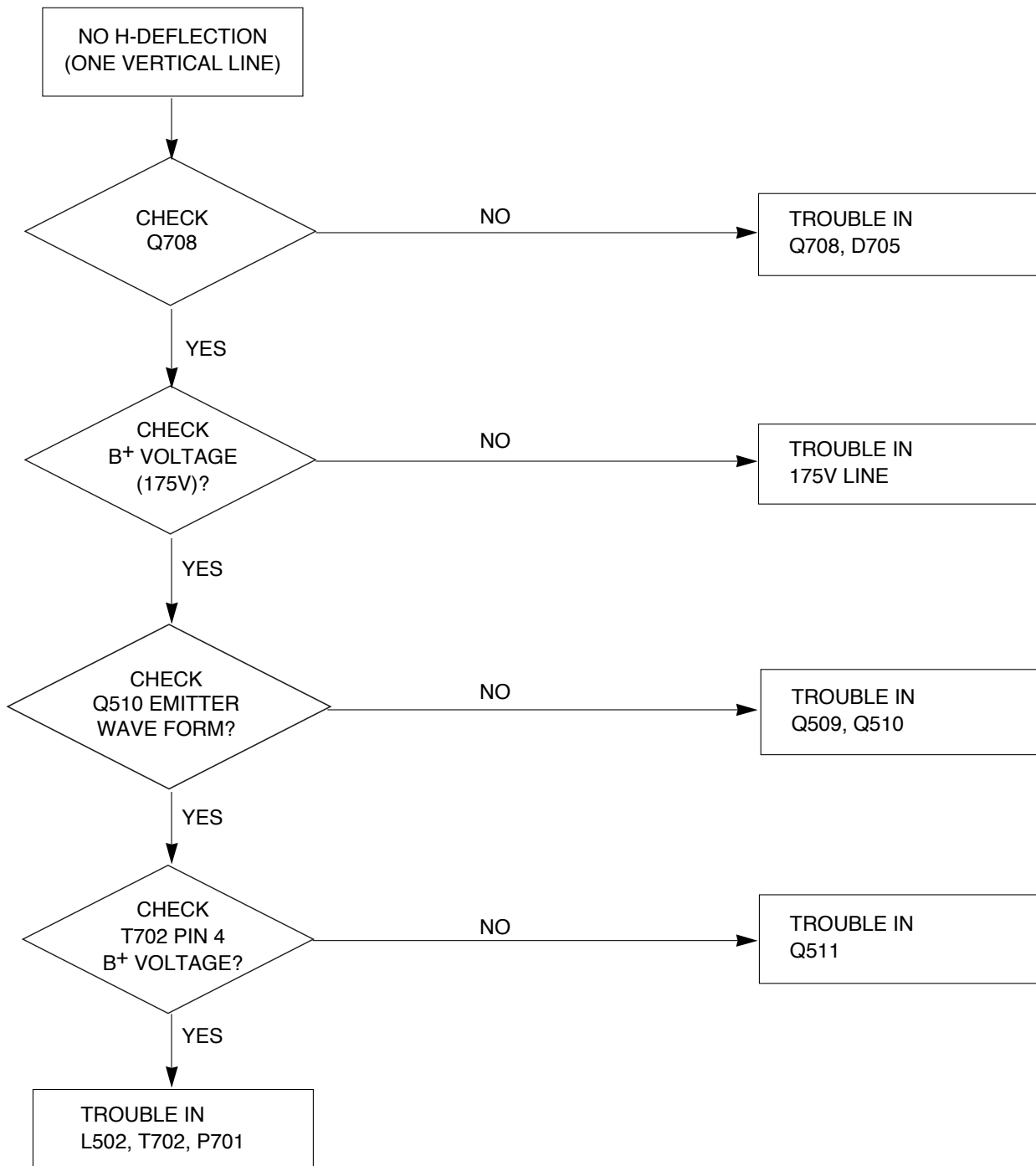
2. NO CHARACTER



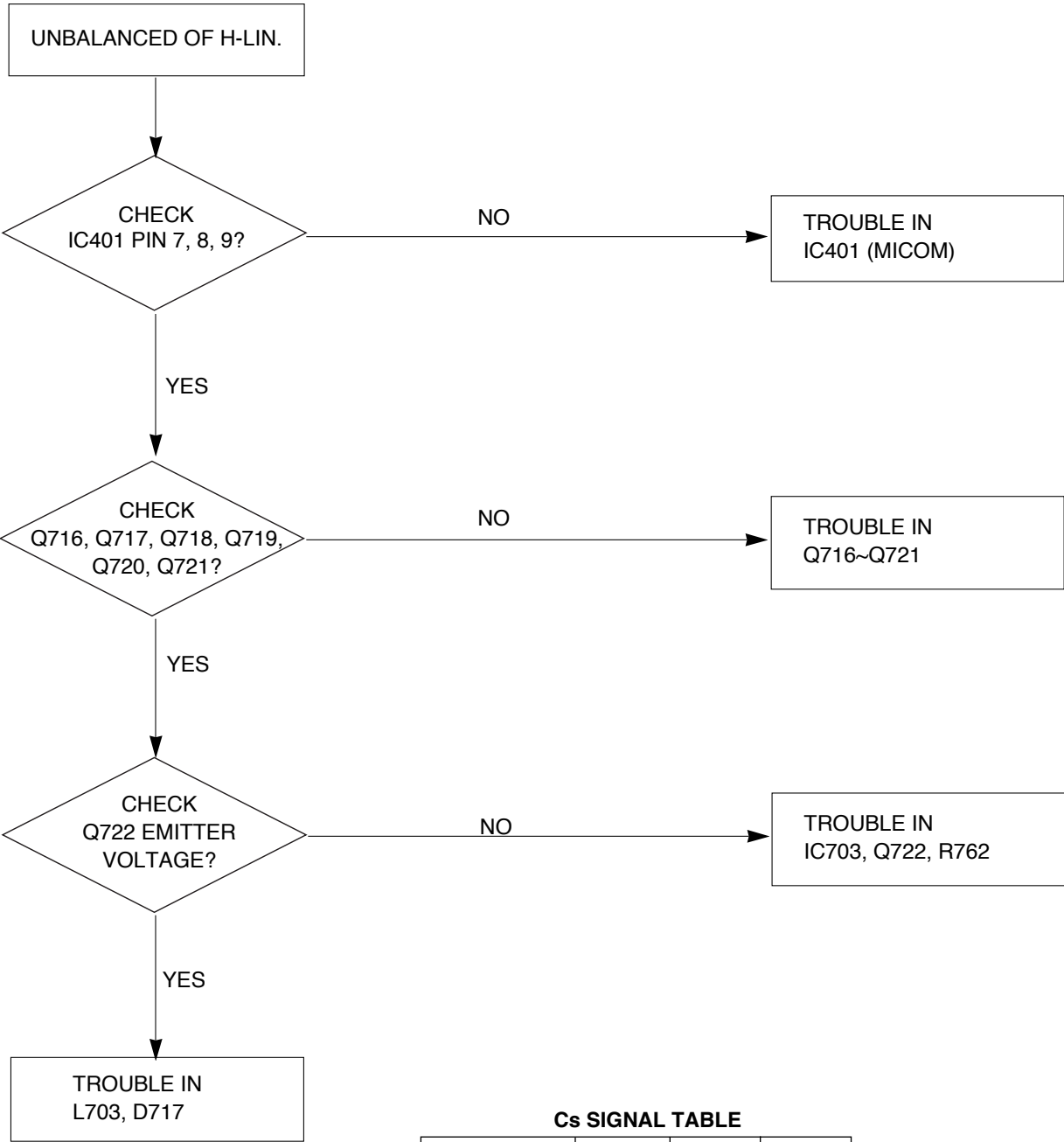
3. NO RASTER



4. NO HORIZONTAL DEFLECTION



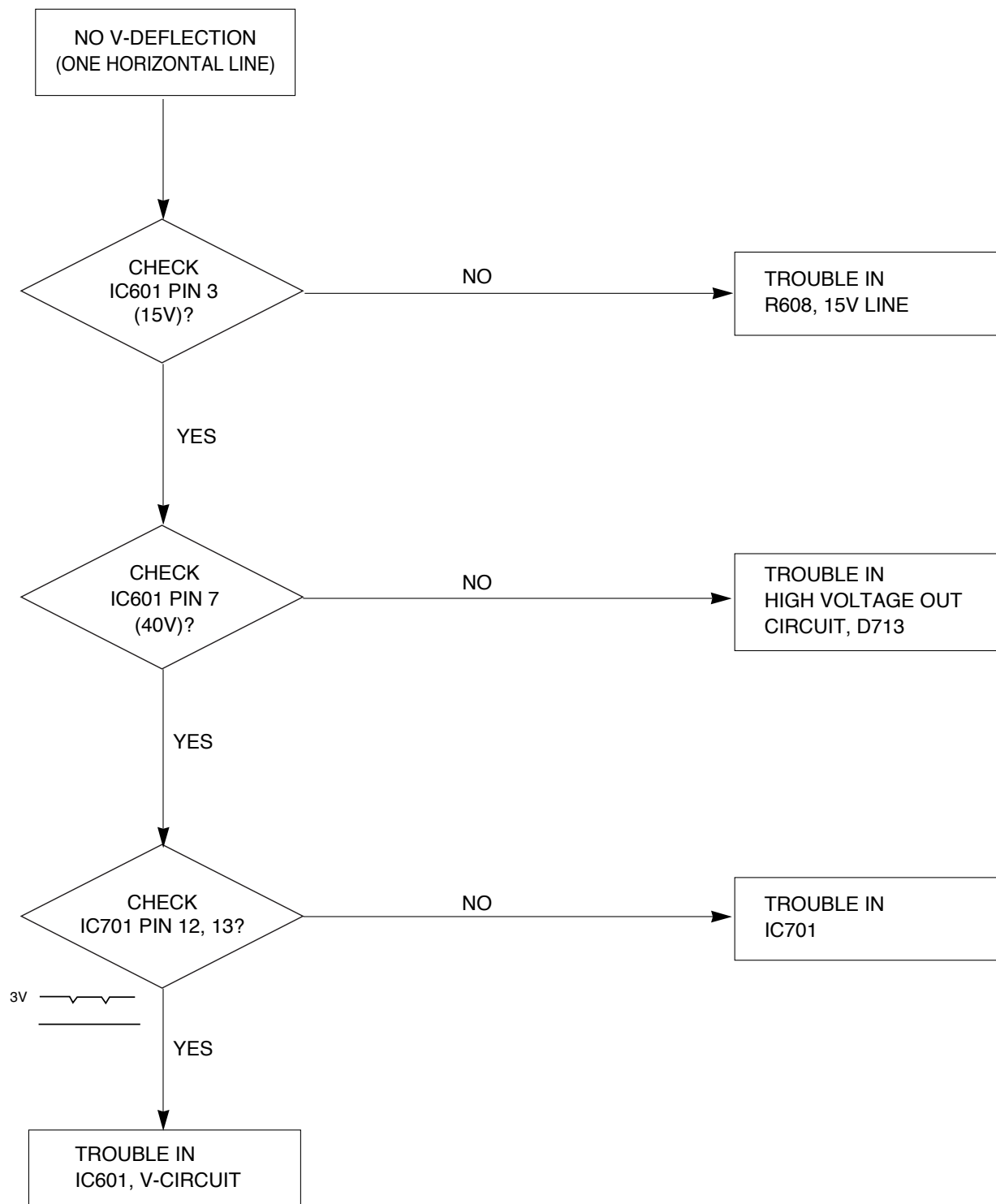
5. TROUBLE IN H-LINEARITY



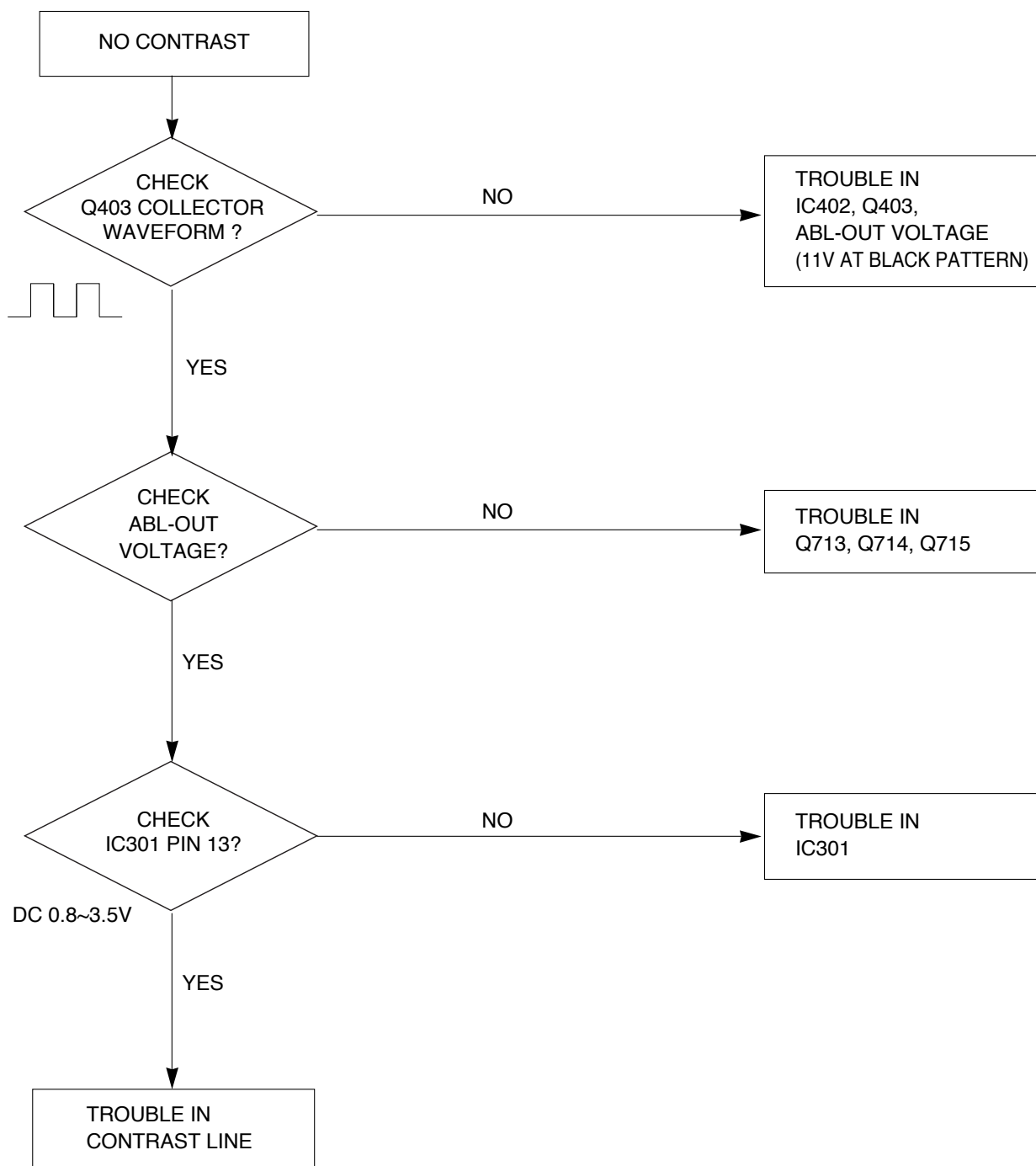
Cs SIGNAL TABLE

HORIZONTAL FREQUENCY(f_H)	Cs 0	Cs 1	Cs 2
30~33kHz	L	L	L
33.1~43kHz	L	H	L
43.1~52kHz	H	H	L
52.1~60kHz	H	L	H
60.1~67kHz	H	H	H

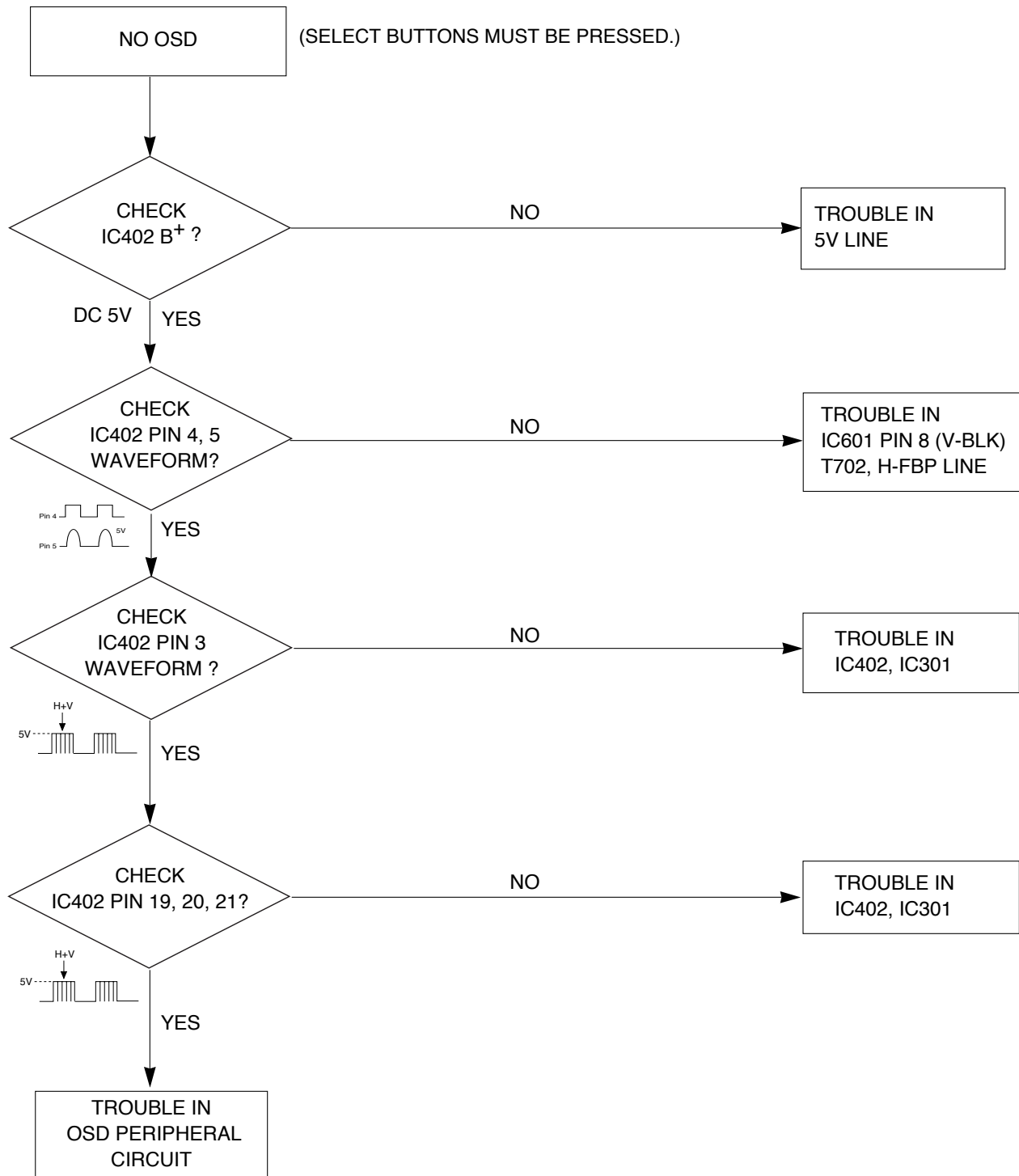
6. NO VERTICAL DEFLECTION



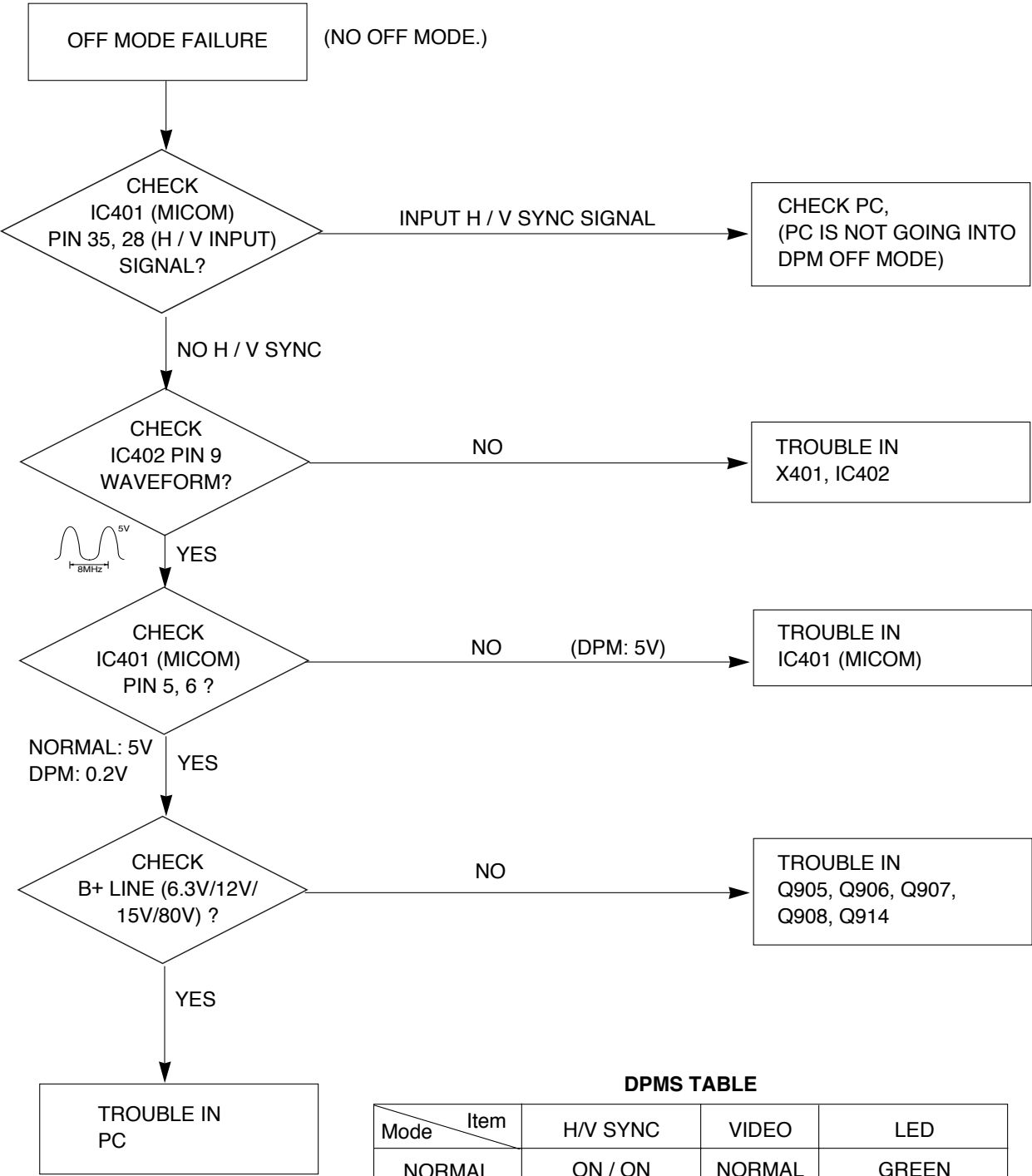
7. NO CONTRAST



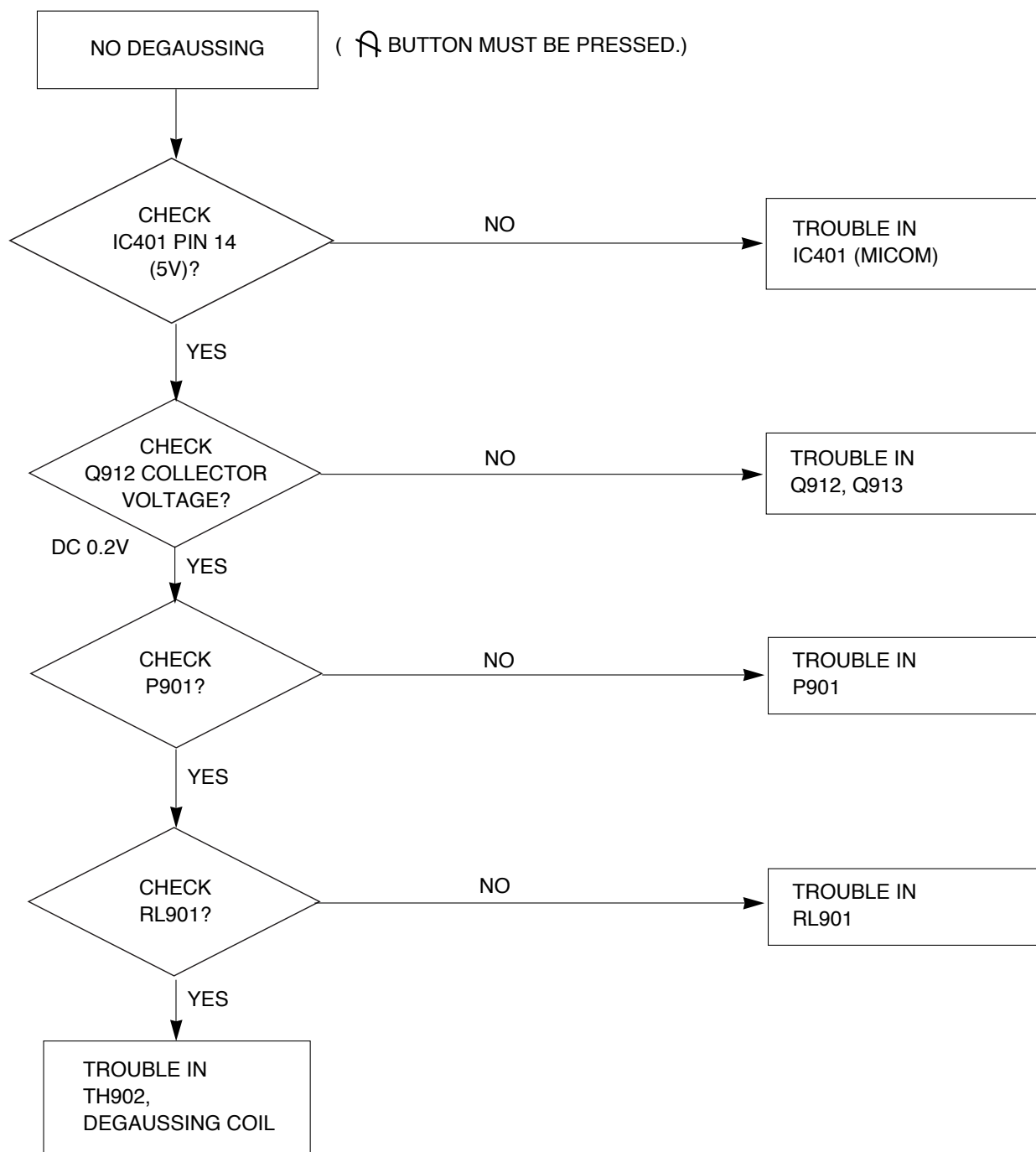
8. TROUBLE IN OSD



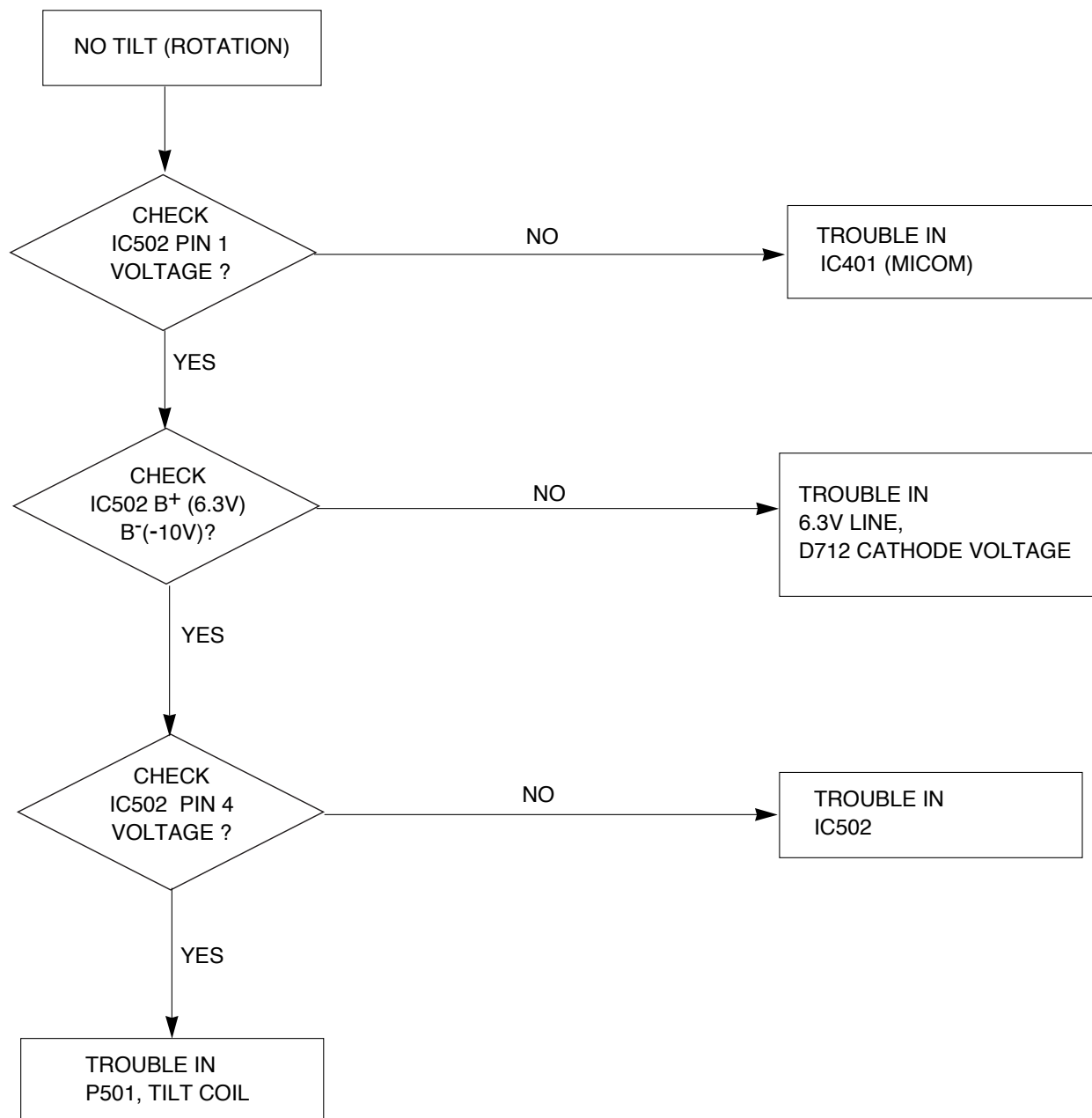
9. TROUBLE IN DPM



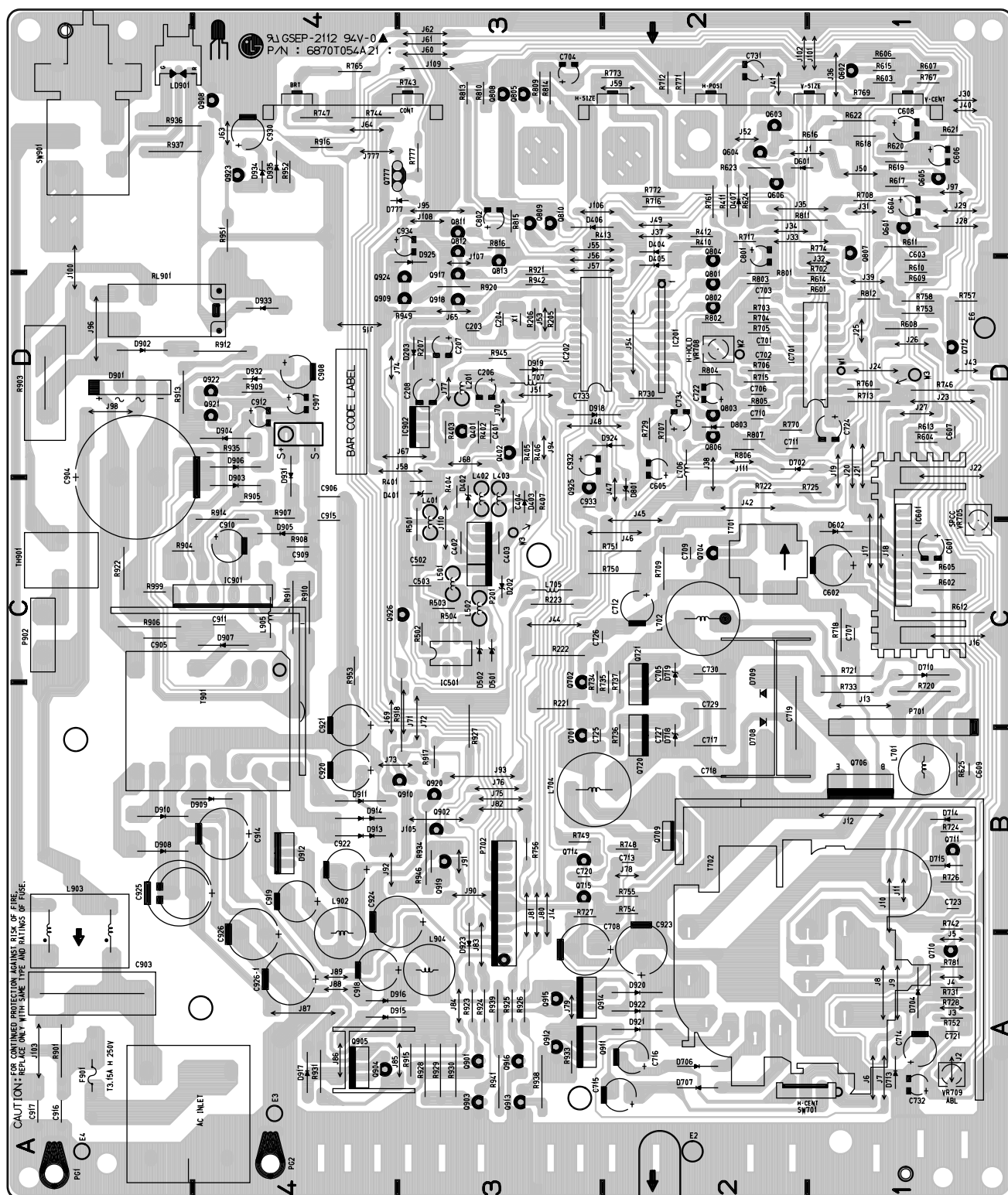
10. NO DEGAUSSING



11. NO TILT (ROTATION)



1. MAIN BOARD (Component Side)



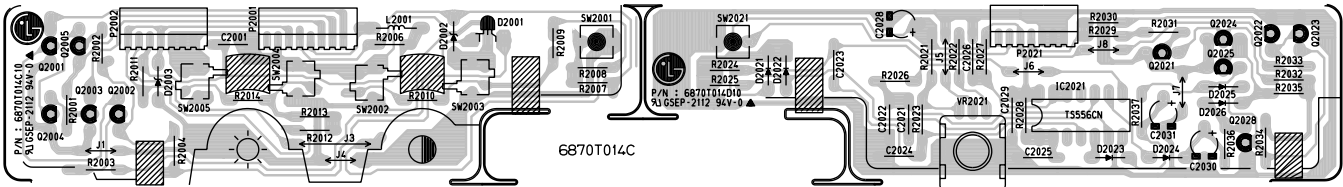
2. MAIN BOARD (Solder Side)



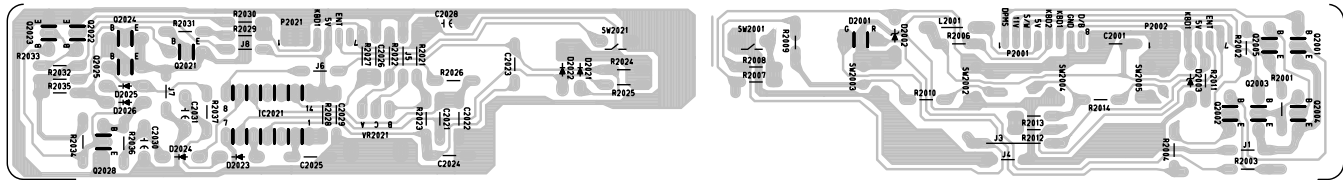
3. VIDEO BOARD (Component Side)



5. CONTROL BOARD (Component Side)



6. CONTROL BOARD (Solder Side)



EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Material
1	300-D19A	CABINET ASS'Y, FOR StudioWorks 76i (MPR-II)	1	LGC ABS 345 UL94-5V
	300-D19U	CABINET ASS'Y, FOR NO BRAND (76W)		
	3091TKC007G	CABINET ASS'Y, FOR StudioWorks 76T (TCO-92)		
2	112-882A	M41KVZ680X72(Q)(NORTHERN HEMISPHERE)	1	
	2423GC0B81A	M41LFQ803X01N (NORTHERN HEMISPHERE)		
	2423GC0081A	M41LFQ803X01R(EQUATORIAL HEMISPHERE)		
	2423GC0B81R	M41LFQ803X01S (SOUTHERN HEMISPHERE)		
	6318TN1702A	CDT, M41LDQ102XX31, FOR TCO-92		
3	341-832B	HOLDER, FIX FOR DEGAUSSING COIL	4	
4-1	340-715A	BRACKET, SIDE TOP-LEFT	1	LGC ABS 303S UL 94-V0
4-2	340-716A	BRACKET, SIDE TOP-RIGHT	1	LGC ABS 303S UL 94-V0
4-3	340-718A	BRACKET, SIDE BOTTOM-RIGHT	1	LGC ABS 303S UL 94-V0
4-4	340-717A	BRACKET, SIDE BOTTOM-LEFT	1	LGC ABS 303S UL 94-V0
5	339-002D	SCREW, PHP+5°ø30 BP+GW18	4	
6	340-772B	BRACKET, VIDEO FRONT	1	AL (t=1.0)
7	6871TVH007E	PCB ASS'Y, VIDEO FOR USA/CAN	1	
	6871TVH007C	PCB ASS'Y, VIDEO FOR EUROPE/AUS/JAPAN		
	6871TVH007D	PCB ASS'Y, VIDEO FOR MEXICO		
	6871TVH007K	PCB ASS'Y, VIDEO FOR TCO-92		
8	4815TKV001D	METAL ASS'Y, VIDEO REAR SHIELD	1	SBHG1-A (t=1.0)
9	339-008B	SCREW MP+3°ø8 FOR VIDEO BRACKET	1	
10	150-B16A	DEGAUSSING COIL	1	
11	170-128D	CRT GROUND	1	
12	6871TMT003E	PCB ASS'Y, MAIN FOR USA/CAN	1	
	6871TMT003C	PCB ASS'Y, MAIN FOR EUROPE/AUS/JAPAN		
	6871TMT003D	PCB ASS'Y, MAIN FOR MEXICO		
	6871TMT003H	PCB ASS'Y, MAIN FOR PANAMA		
	6871TMT003K	PCB ASS'Y, MAIN FOR TCO-92		
13	407-T99C	PLATE, HEAT SINK FOR Q708, D705	1	AL (t=2.0)
14	154-245A	FBT, Y265274	1	
15	407-T98B	PLATE, HEAT SINK FOR Q712	1	AL
16	407-T68A	PLATE, HEAT SINK FOR IC502	1	AL
17	407-T20B	PLATE, HEAT SINK FOR Q511	1	AL (t=2.0)
18	407-T99B	PLATE, HEAT SINK FOR IC901	1	AL
19	407-T98B	PLATE, HEAT SINK FOR IC601	1	AL
20	407-S29D	PLATE, HEAT SINK FOR IC904	1	AL
21	407-T68D	PLATE, HEAT SINK FOR D916	1	AL
22	407-T68D	PLATE, HEAT SINK FOR Q725, Q726	2	AL
23	407-T68B	PLATE, HEAT SINK FOR IC905	1	AL
24	387-803H	CONNECTOR ASS'Y, 15P D-SUB	1	

EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Material	
25	4810TKK009A	BRACKET, REAR	1		
26	340-713A	BRACKET, MAIN	1	LGC ABS 303S	UL94-V0
27	440-957A	KNOB, BRIGHT & CONTRAST	2	LGC ABS 303S	UL94-V0
28	440-958A	KNOB, MICOM CONTROL	1	LGC ABS 303S	UL94-V0
29	6871TST003E	PCB ASS'Y, CONTROL FOR USA/CAN	1		
	6871TST003C	PCB ASS'Y, CONTROL FOR EUROPE/AUS/JAPAN			
	6871TST003D	PCB ASS'Y, CONTROL FOR MEXICO			
	6871TST003J	PCB ASS'Y, CONTROL FOR TCO-92			
30	340-714A	BRACKET, BOTTOM SHIELD	1	SBHG1-A (t=1.0)	
31	332-102F	SCREW, PTP+4°ø20	2		
32	303-K25B	BACK COVER	1	LGC ABS HF345	UL94-5V
33	332-102G	SCREW, PTP+4°ø30	4		
34	231-047A	TILT SWIVEL ASS'Y	1	LGC ABS HF350	UL94-HB
35	6631T23001A	WIRE, GROUND FOR TCO-92 MODEL ONLY	1		
A	6871TVT005E	CHASSIS ASS'Y, VIDEO FOR USA/CAN	1		
	6871TVT005C	CHASSIS ASS'Y, VIDEO FOR EUROPE/AUS/JAPAN			
	6871TVT005D	CHASSIS ASS'Y, VIDEO FOR MEXICO			
	6871TVT005H	CHASSIS ASS'Y, VIDEO FOR PANAMA			
	6871TVT005K	CHASSIS ASS'Y, VIDEO FOR TCO-92			
B	309-516C	CHASSIS ASS'Y, REAR D-SUB	1		
C	3313T17005E	CHASSIS ASS'Y, TOTAL FOR USA/CAN	1		
	3313T17005C	CHASSIS ASS'Y, TOTAL FOR EUROPE			
	3313T17005D	CHASSIS ASS'Y, TOTAL FOR MEXICO			
	3313T17005H	CHASSIS ASS'Y, TOTAL FOR PANAMA			
	3313T17005K	CHASSIS ASS'Y, TOTAL FOR AUS			
	3313T17005J	CHASSIS ASS'Y, TOTAL FOR JAPAN			
	3313T17005P	CHASSIS ASS'Y, TOTAL FOR NO BRAND (76W)			
	3313T17005R	CHASSIS ASS'Y, TOTAL FOR TCO-92			